

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090418\
 Data File : VX004348.D
 Acq On : 04 Sep 2018 15:45
 Operator : JC/MD
 Sample : VX0904WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/5/2018 4:52:23 PM

Quant Time: Sep 05 07:14:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	287122	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	411317	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	395123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	230877	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	185271	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
35) Dibromofluoromethane	5.50	113	159663	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
50) Toluene-d8	8.71	98	594410	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
62) 4-Bromofluorobenzene	11.14	95	219140	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	62953	18.93	ug/l	97
3) Chloromethane	1.32	50	70533	19.37	ug/l	99
4) Vinyl Chloride	1.40	62	72502	19.27	ug/l	99
5) Bromomethane	1.64	94	36615	18.47	ug/l	98
6) Chloroethane	1.71	64	58469	21.05	ug/l	98
7) Trichlorofluoromethane	1.92	101	99622	19.32	ug/l	93
8) Diethyl Ether	2.18	74	45531	20.63	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	63137	19.55	ug/l	99
10) Methyl Iodide	2.51	142	57579	18.72	ug/l	98
11) Tert butyl alcohol	3.07	59	89490	112.18	ug/l	99
12) 1,1-Dichloroethene	2.37	96	58763	19.32	ug/l	99
13) Acrolein	2.29	56	21694	112.80	ug/l	99
14) Allyl chloride	2.72	41	115277	20.63	ug/l	96
15) Acrylonitrile	3.15	53	213186	107.91	ug/l	100
16) Acetone	2.45	43	174726	109.85	ug/l	100
17) Carbon Disulfide	2.56	76	143779	17.55	ug/l	99
18) Methyl Acetate	2.78	43	151542	27.29	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	207340	20.68	ug/l	96
20) Methylene Chloride	2.85	84	73190	20.32	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	62863	18.67	ug/l	99
22) Diisopropyl ether	3.87	45	210525	20.18	ug/l	96
23) Vinyl Acetate	3.82	43	807955	95.54	ug/l	99
24) 1,1-Dichloroethane	3.69	63	125785	20.69	ug/l	100
25) 2-Butanone	4.71	43	272774	107.15	ug/l	99
26) 2,2-Dichloropropane	4.58	77	86543	18.15	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	72658	19.03	ug/l	99
28) Bromochloromethane	5.01	49	57360	21.31	ug/l	99
29) Tetrahydrofuran	5.17	42	171131	106.43	ug/l	100
30) Chloroform	5.21	83	123890	20.32	ug/l	98
31) Cyclohexane	5.57	56	98606	18.79	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	100734	19.81	ug/l	99
36) 1,1-Dichloropropene	5.79	75	88029	19.04	ug/l	99
37) Ethyl Acetate	4.86	43	94479	20.77	ug/l	100
38) Carbon Tetrachloride	5.78	117	86319	19.84	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	96706	18.32	ug/l	99
40) Benzene	6.14	78	277718	20.10	ug/l	98
41) Methacrylonitrile	5.06	41	56131	21.29	ug/l	99
42) 1,2-Dichloroethane	6.20	62	94871	20.13	ug/l	99
43) Isopropyl Acetate	6.46	43	143341	20.51	ug/l	99
44) Trichloroethene	7.21	130	74103	19.37	ug/l	99
45) 1,2-Dichloropropane	7.52	63	72741	21.03	ug/l	100
46) Dibromomethane	7.67	93	46075	20.01	ug/l	99
47) Bromodichloromethane	7.90	83	86382	20.16	ug/l	99
48) Methyl methacrylate	7.78	41	76858	20.55	ug/l	99
49) 1,4-Dioxane	7.76	88	37751	444.67	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	522108	102.83	ug/l	99
52) Toluene	8.79	92	175521	20.29	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	92441	19.53	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	104849	20.34	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	74018	21.20	ug/l	99
56) Ethyl methacrylate	9.18	69	95636	20.12	ug/l	99
57) 1,3-Dichloropropane	9.37	76	123969	21.06	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	246598	101.26	ug/l	99
59) 2-Hexanone	9.50	43	395550	102.12	ug/l	99
60) Dibromochloromethane	9.59	129	69334	20.38	ug/l	100
61) 1,2-Dibromoethane	9.67	107	74954	20.74	ug/l	98
64) Tetrachloroethene	9.34	164	78579	20.13	ug/l	98
65) Chlorobenzene	10.14	112	194474	19.61	ug/l	92
66) 1,1,1,2-Tetrachloroethane	10.23	131	68208	19.94	ug/l	98
67) Ethyl Benzene	10.26	91	311094	19.32	ug/l	99
68) m/p-Xylenes	10.36	106	252096	40.03	ug/l	99
69) o-Xylene	10.70	106	119105	20.00	ug/l	99
70) Styrene	10.71	104	199994	20.74	ug/l	99
71) Bromoform	10.86	173	53156	19.28	ug/l #	98
73) Isopropylbenzene	11.02	105	326916	21.56	ug/l	100
74) N-amyl acetate	10.90	43	116779	20.00	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	112989	21.29	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	102109m	21.75	ug/l	
77) Bromobenzene	11.26	156	88718	20.86	ug/l	98
78) n-propylbenzene	11.36	91	373109	21.39	ug/l	100
79) 2-Chlorotoluene	11.42	91	225249	20.98	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	271441	21.62	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	28535	19.72	ug/l	97
82) 4-Chlorotoluene	11.51	91	260772	20.64	ug/l	99
83) tert-Butylbenzene	11.77	119	264208	20.91	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	282397	21.91	ug/l	99
85) sec-Butylbenzene	11.94	105	328306	21.89	ug/l	100
86) p-Isopropyltoluene	12.07	119	285729	21.26	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	161793	20.20	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	162422	19.24	ug/l	98
89) n-Butylbenzene	12.39	91	221739	20.28	ug/l	99
90) Hexachloroethane	12.60	117	39972	21.27	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	155892	21.30	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21247	22.73	ug/l	95

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Instrument :
MSVOA_X
ClientSampleId :
VX0904WBSD02

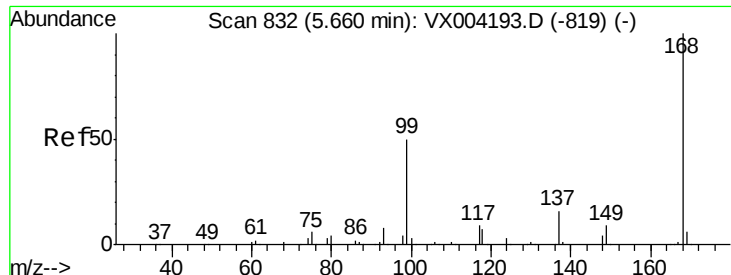
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	109291	20.52	ug/l	99
94) Hexachlorobutadiene	13.79	225	57653	23.20	ug/l	96
95) Naphthalene	13.83	128	338878	22.50	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	119842	21.26	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX004348.D

Acq: 04 Sep 2018 15:45

Instrument :

MSVOA_X

ClientSampleId :

VX0904WBSD02

Tot Ion:168 Resp: 287122

Ion Ratio Lower Upper

168 100

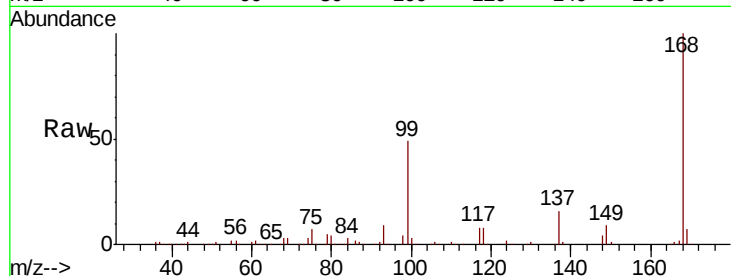
99 49.2 39.9 59.9

Manual Integrations

APPROVED

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

20000

0

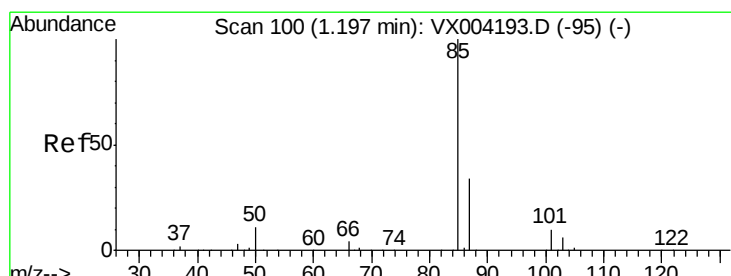
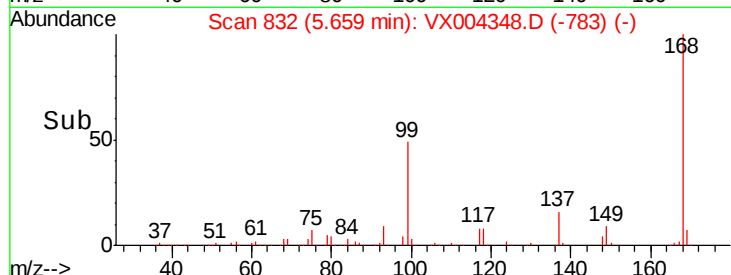
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.93 ug/l

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX004348.D

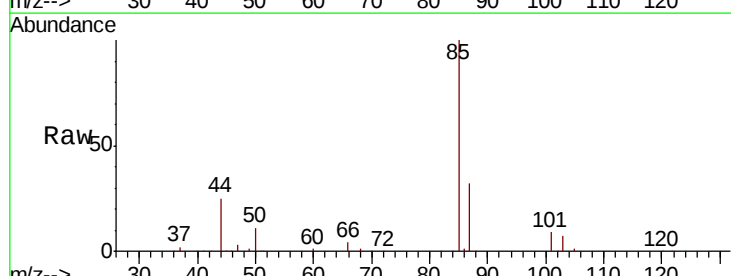
Acq: 04 Sep 2018 15:45

Tgt Ion: 85 Resp: 62953

Ion Ratio Lower Upper

85 100

87 32.3 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

60000

40000

20000

0

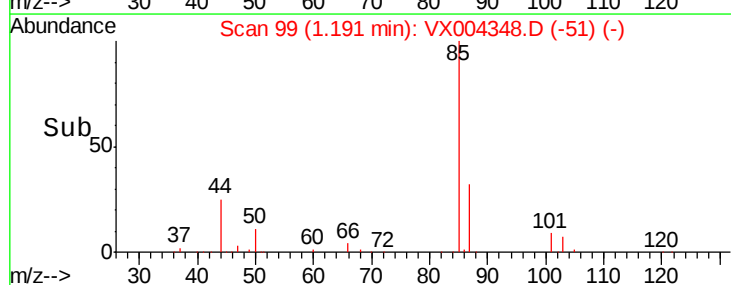
1.15

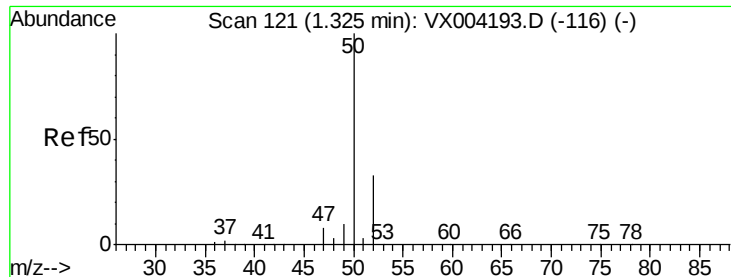
1.20

1.25

1.30

Time-->





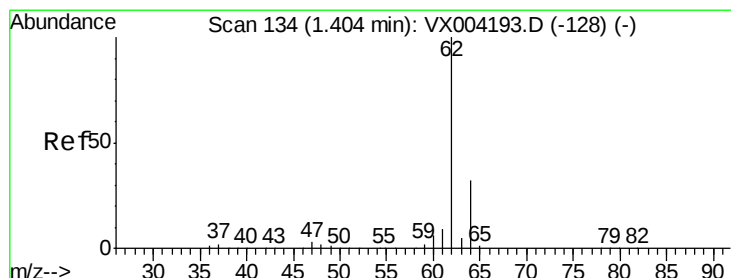
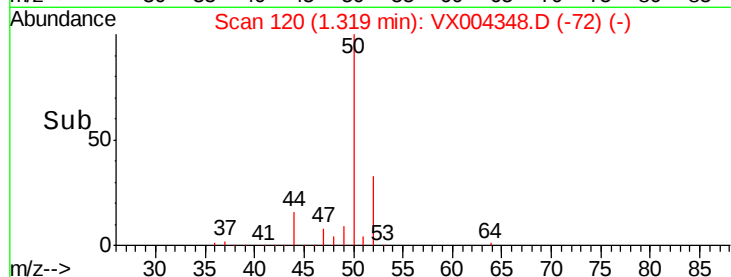
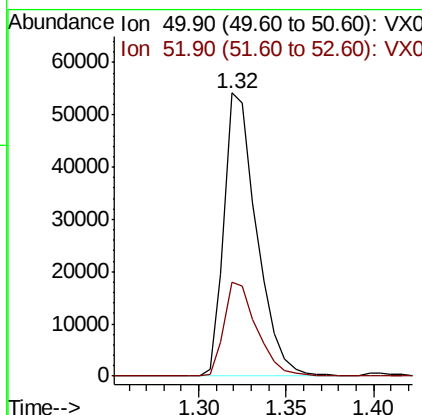
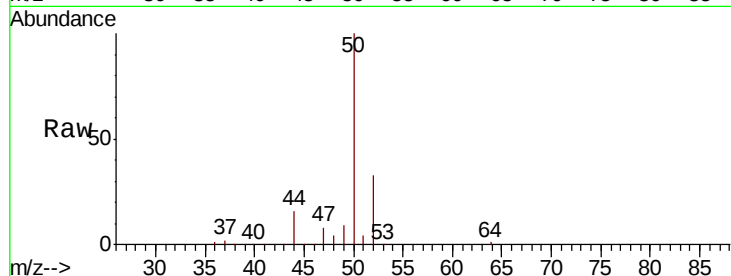
#3
Chloromethane
Concen: 19.37 ug/l
RT: 1.32 min Scan# 120
Delta R.T. -0.01 min
Lab File: VX004348.D
Acq: 04 Sep 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VX0904WBSD02

Tot Ion: 50 Resp: 70533
Ion Ratio Lower Upper
50 100
52 33.1 26.2 39.2

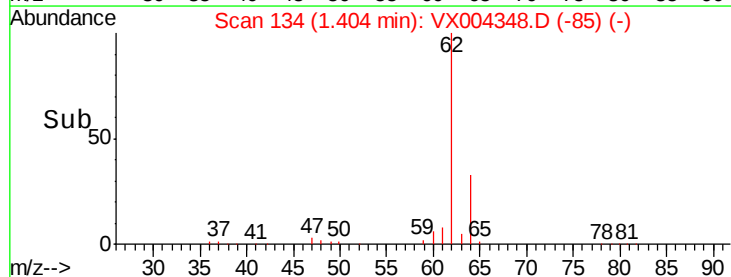
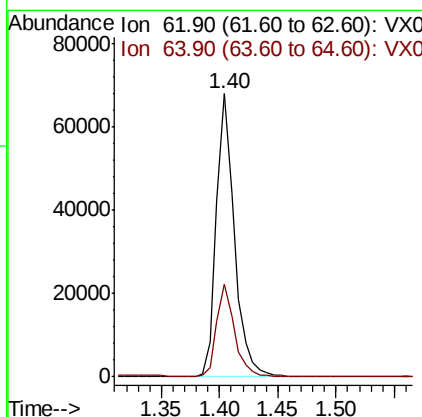
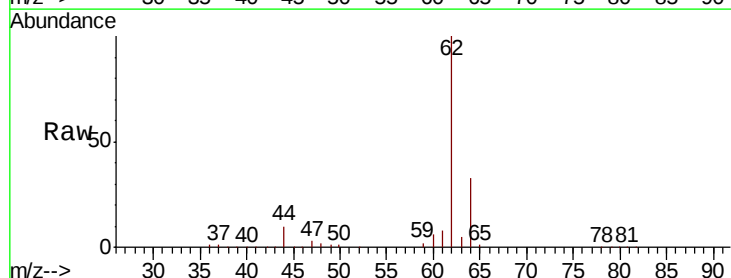
Manual Integrations
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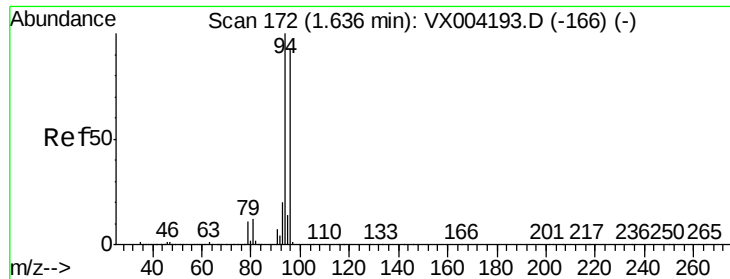
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#4
Vinyl Chloride
Concen: 19.27 ug/l
RT: 1.40 min Scan# 134
Delta R.T. -0.00 min
Lab File: VX004348.D
Acq: 04 Sep 2018 15:45

Tgt Ion: 62 Resp: 72502
Ion Ratio Lower Upper
62 100
64 32.6 25.8 38.8





#5

Bromomethane

Concen: 18.47 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004348.D

Acq: 04 Sep 2018 15:45

Instrument :

MSVOA_X

ClientSampleId :

VX0904WBSD02

Tot Ion: 94 Resp: 36615

Ion Ratio Lower Upper

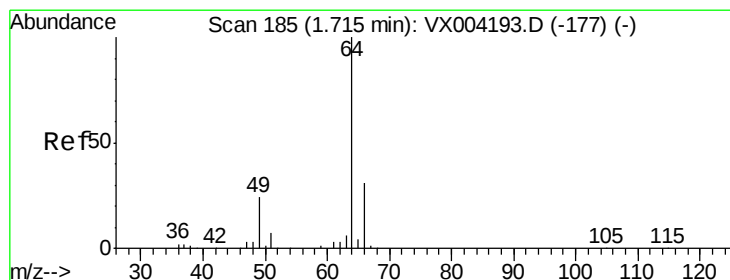
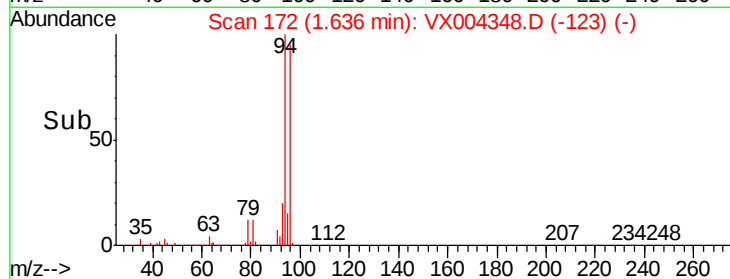
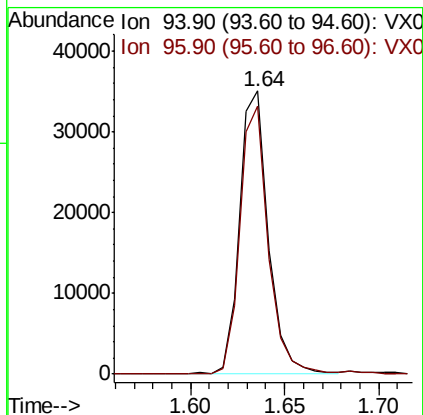
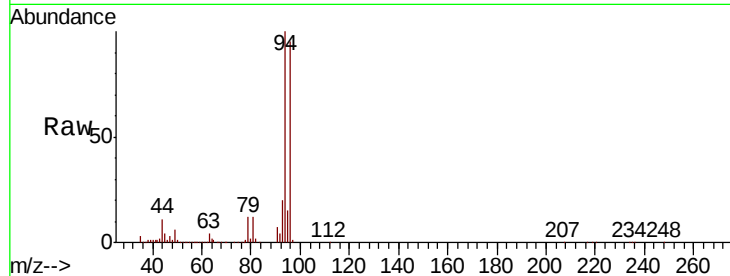
94 100

96 94.7 74.5 111.7

Manual Integrations
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#6

Chloroethane

Concen: 21.05 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.00 min

Lab File: VX004348.D

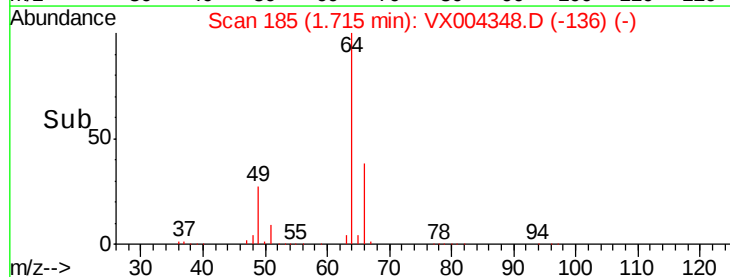
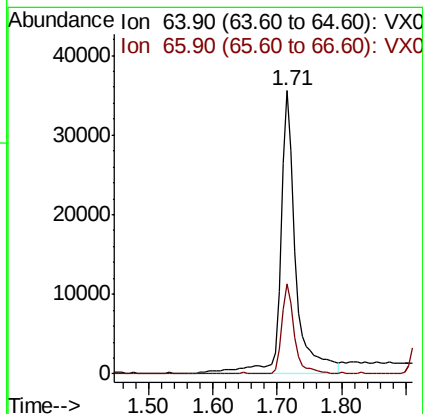
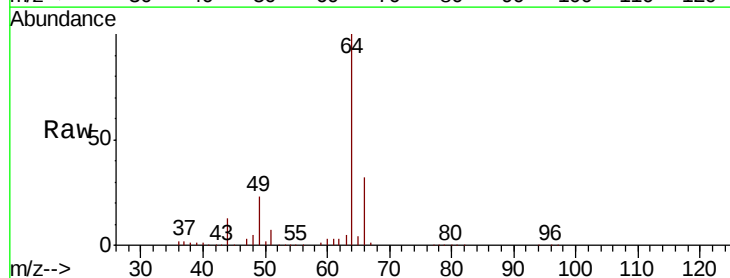
Acq: 04 Sep 2018 15:45

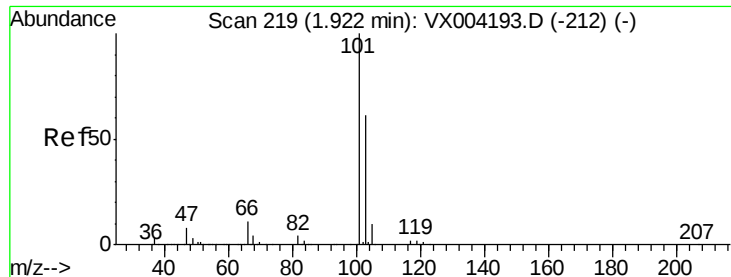
Tgt Ion: 64 Resp: 58469

Ion Ratio Lower Upper

64 100

66 31.9 24.6 36.8





#7

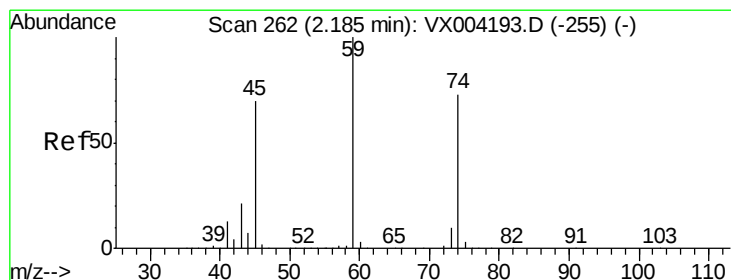
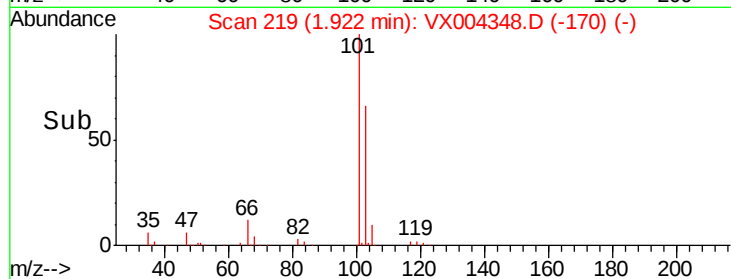
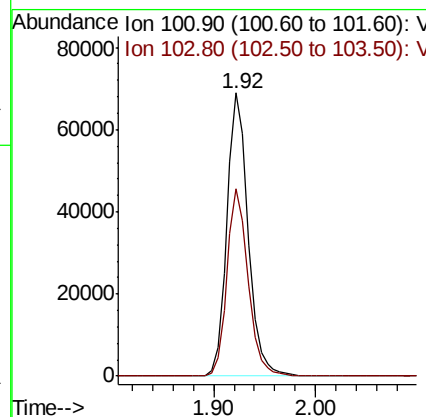
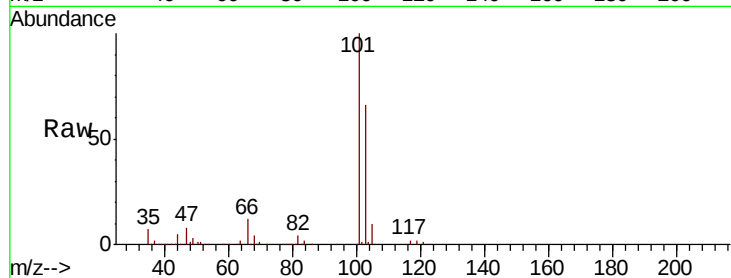
Trichlorofluoromethane
 Concen: 19.32 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.00 min
 Lab File: VX004348.D
 Acq: 04 Sep 2018 15:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	48.9	73.3

Manual Integrations
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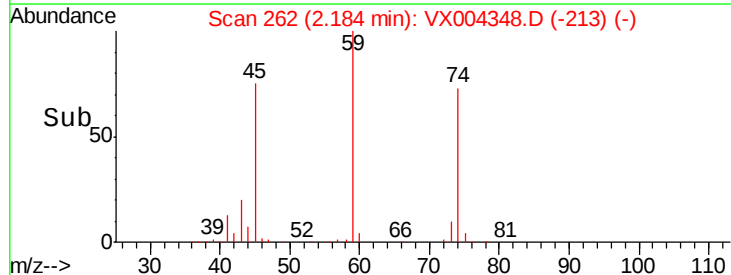
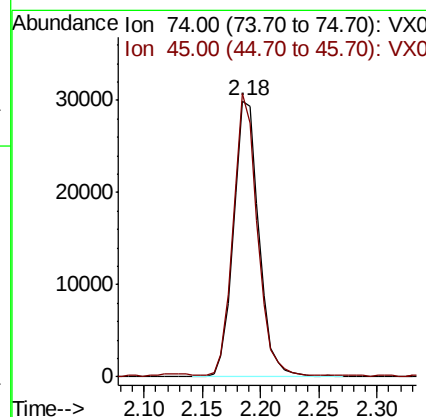
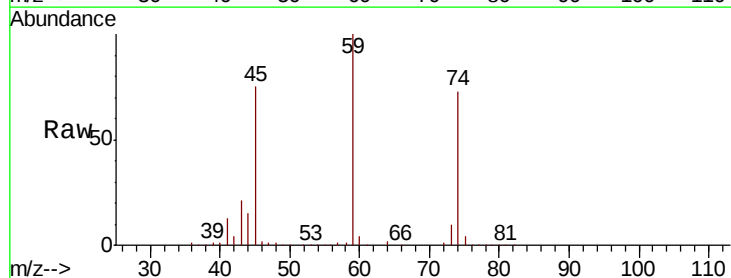
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 9/5/2018 4:52:23 PM

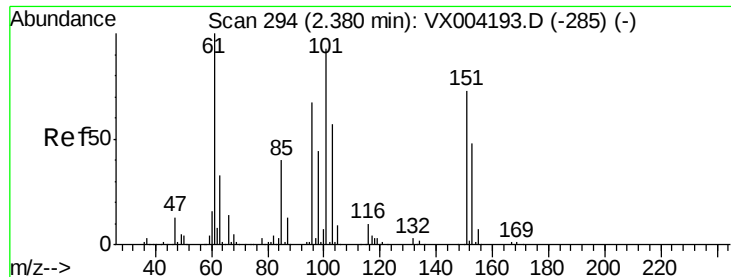


#8

Diethyl Ether
 Concen: 20.63 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.00 min
 Lab File: VX004348.D
 Acq: 04 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.3	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.55 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX004348.D

Acq: 04 Sep 2018 15:45

Instrument :

MSVOA_X

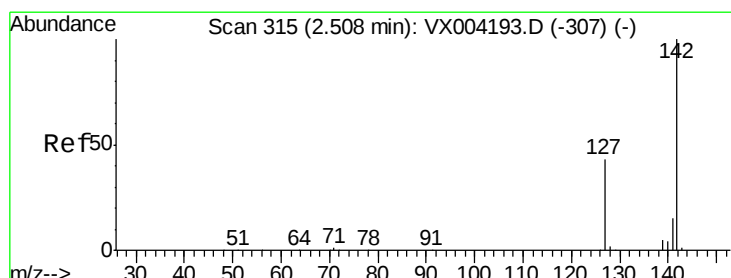
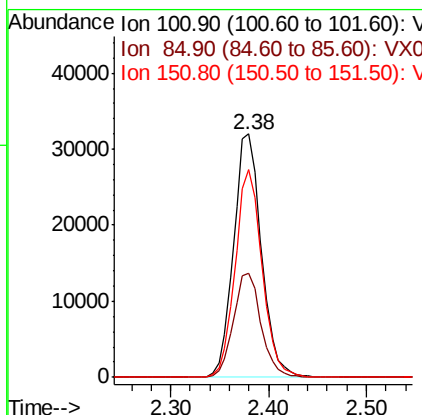
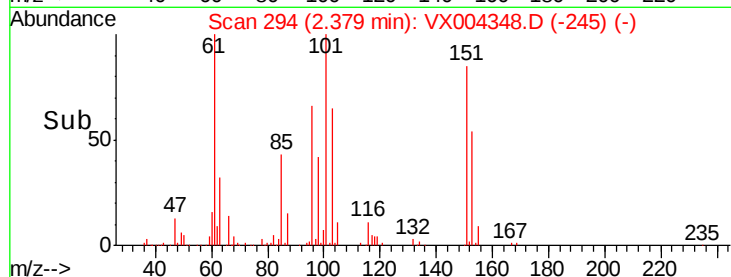
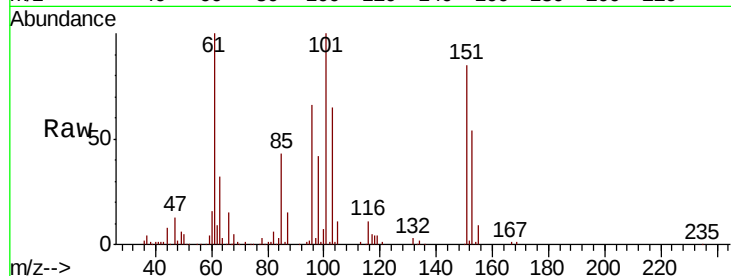
ClientSampleId :

VX0904WBSD02

Tot Ion:	101	Resp:	63137
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.2	51.4
151	82.6	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 18.72 ug/l

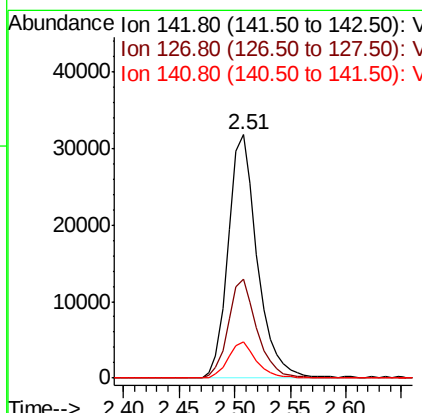
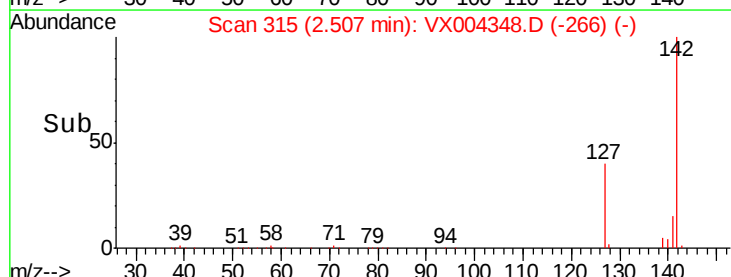
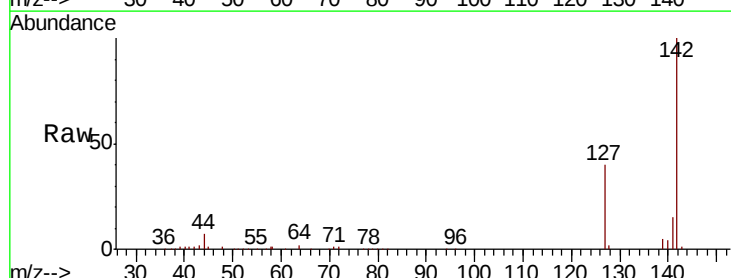
RT: 2.51 min Scan# 315

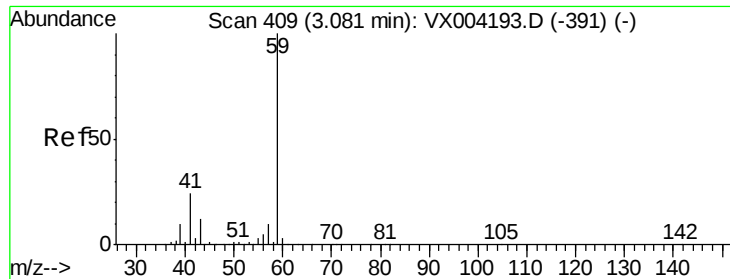
Delta R.T. 0.00 min

Lab File: VX004348.D

Acq: 04 Sep 2018 15:45

Tgt Ion:	142	Resp:	57579
Ion Ratio	Lower	Upper	
142	100		
127	40.4	33.8	50.6
141	14.4	11.4	17.0





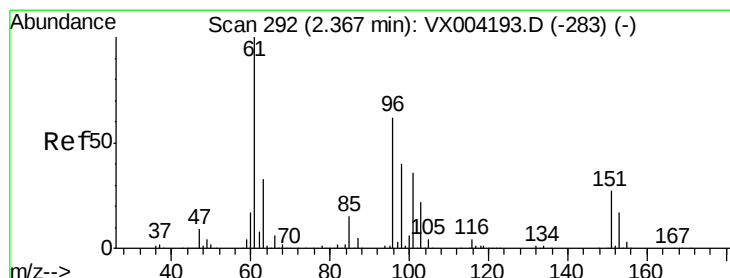
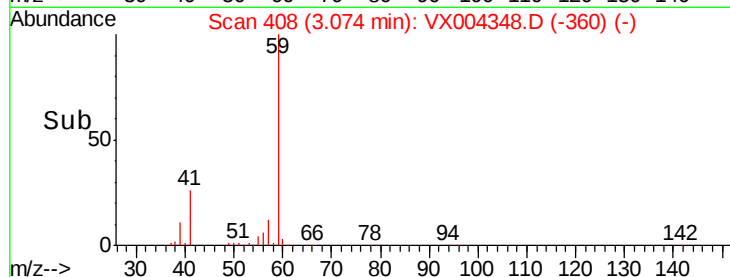
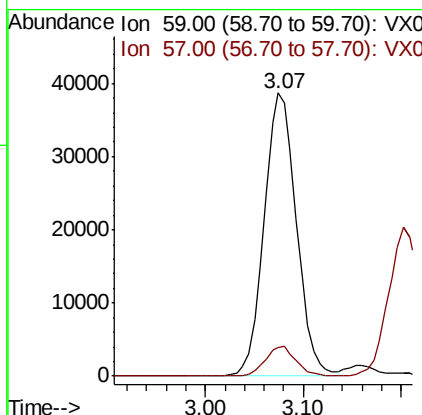
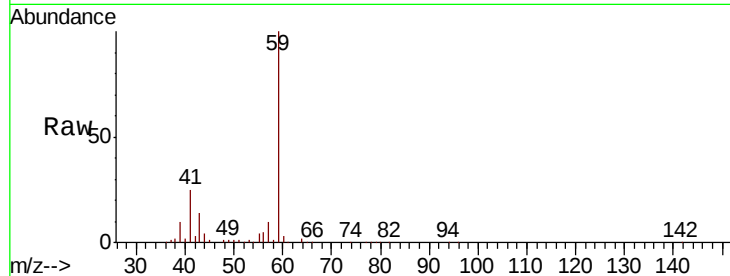
#11
Tert butyl alcohol
Concen: 112.18 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX004348.D
Acq: 04 Sep 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VX0904WBSD02

Tot Ion: 59 Resp: 89490
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.4

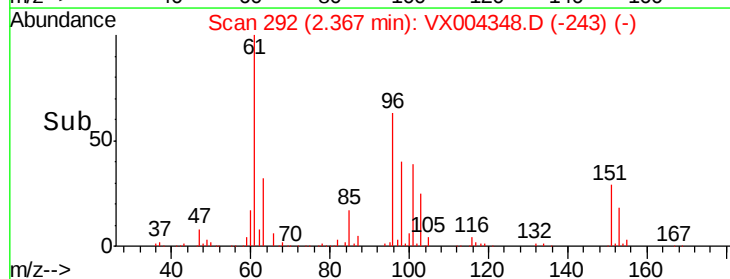
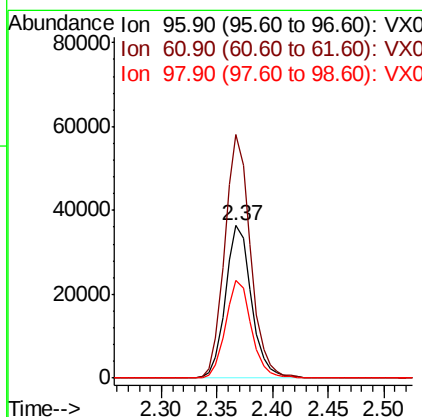
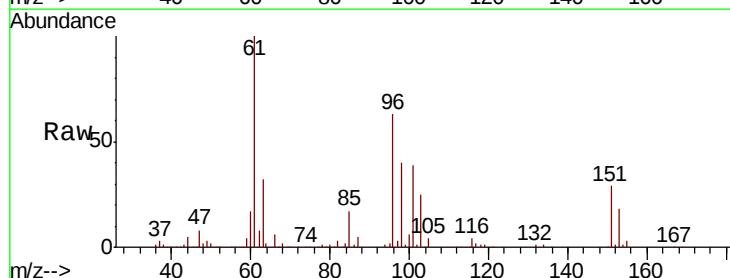
Manual Integrations
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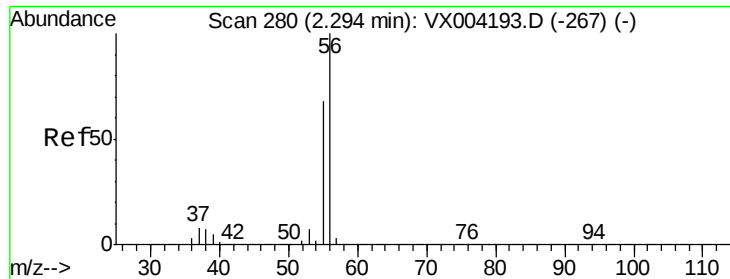
MMDadoda
9/5/2018 4:52:23 PM



#12
1,1-Dichloroethene
Concen: 19.32 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.00 min
Lab File: VX004348.D
Acq: 04 Sep 2018 15:45

Tgt Ion: 96 Resp: 58763
Ion Ratio Lower Upper
96 100
61 159.9 128.8 193.2
98 64.4 52.2 78.2





#13

Acrolein

Concen: 112.80 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004348.D

Acq: 04 Sep 2018 15:45

Instrument :

MSVOA_X

ClientSampleId :

VX0904WBSD02

Tot Ion: 56 Resp: 21694

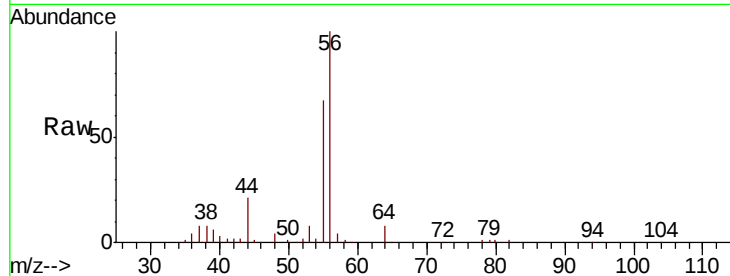
Ion Ratio Lower Upper

56 100

55 67.5 54.7 82.1

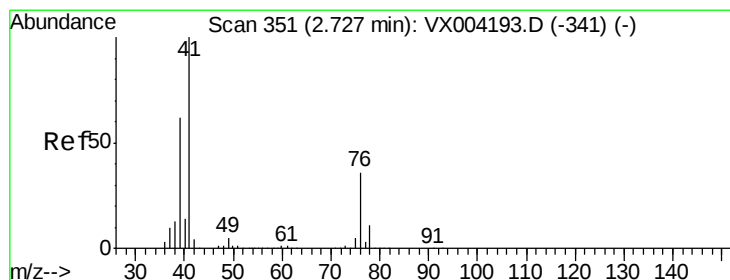
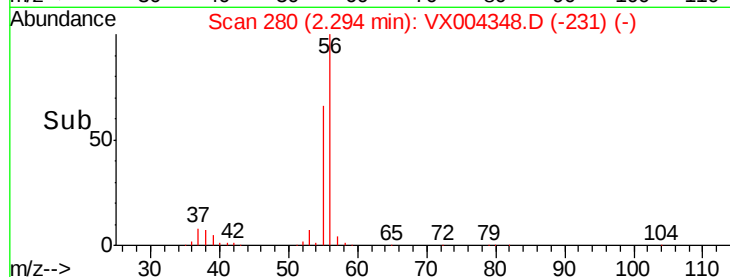
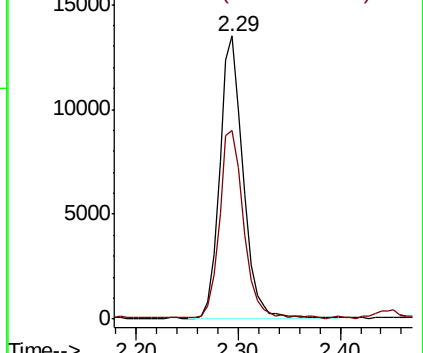
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 20.63 ug/l

RT: 2.72 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX004348.D

Acq: 04 Sep 2018 15:45

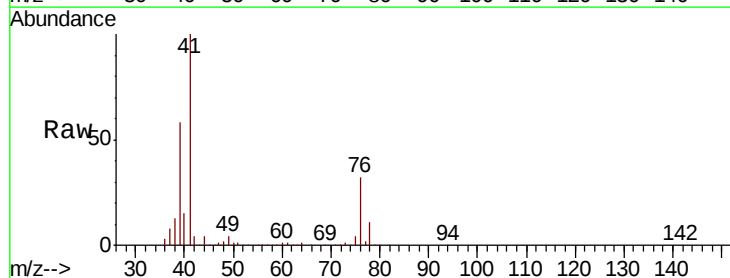
Tgt Ion: 41 Resp: 115277

Ion Ratio Lower Upper

41 100

39 57.8 48.9 73.3

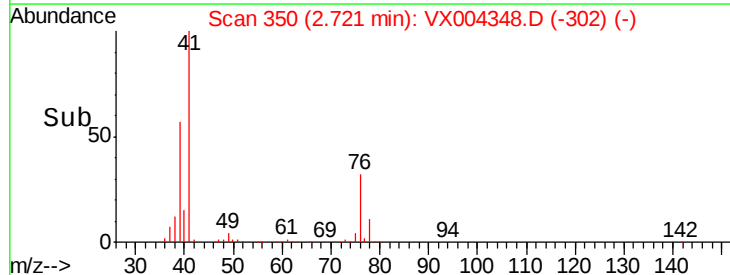
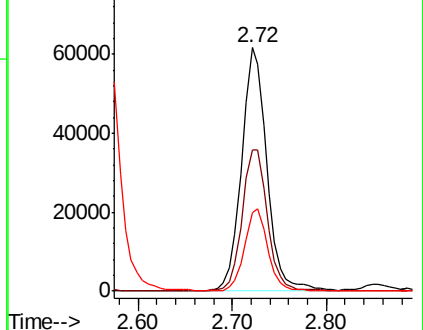
76 31.3 26.7 40.1

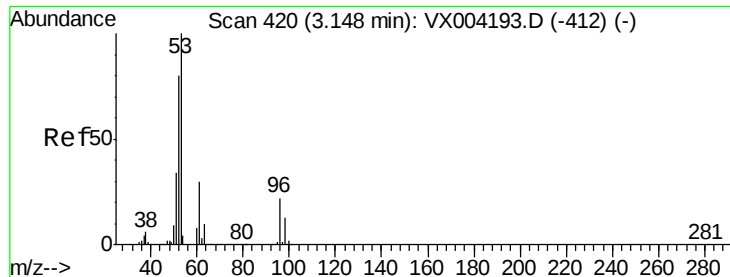


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 107.91 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VX004348.D

Acq: 04 Sep 2018 15:45

Instrument :

MSVOA_X

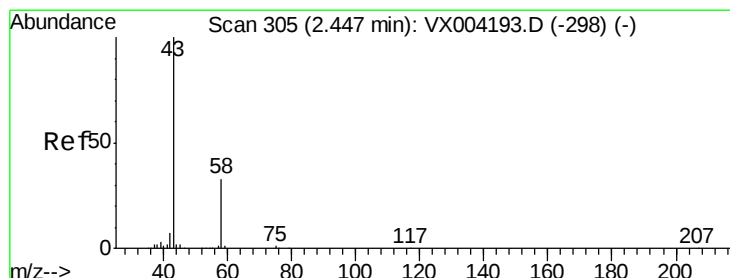
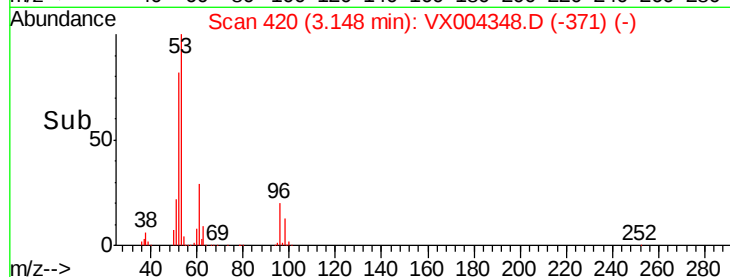
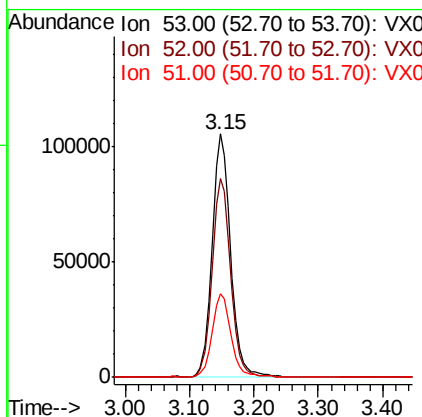
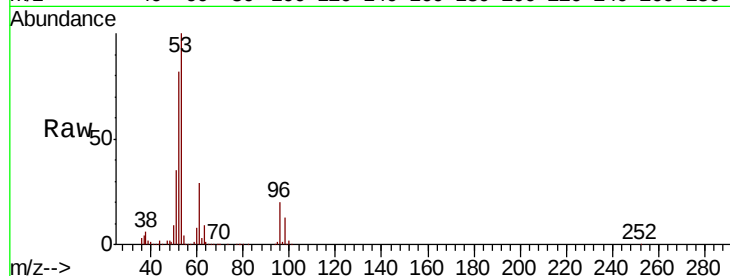
ClientSampleId :

VX0904WBSD02

Tot Ion:	53	Resp:	213186
Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.2	97.8
51	35.0	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 109.85 ug/l

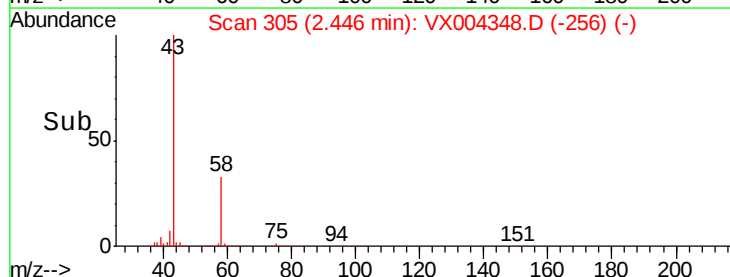
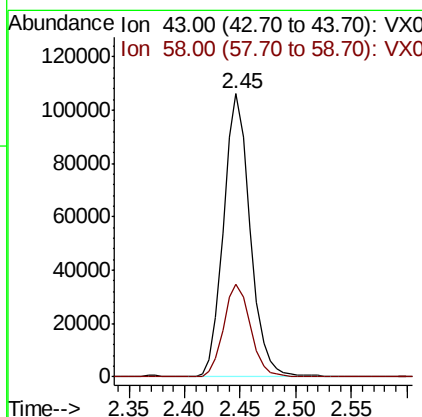
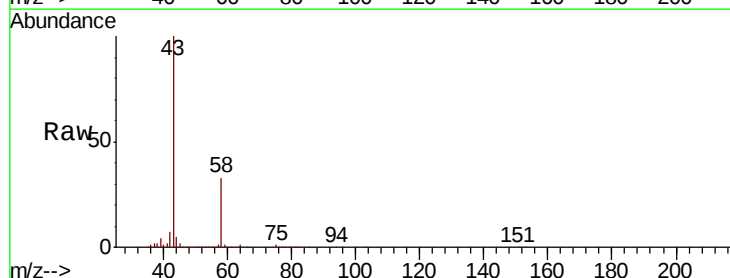
RT: 2.45 min Scan# 305

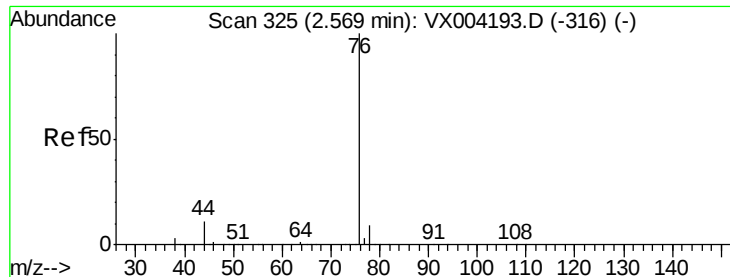
Delta R.T. 0.00 min

Lab File: VX004348.D

Acq: 04 Sep 2018 15:45

Tgt Ion:	43	Resp:	174726
Ion	Ratio	Lower	Upper
43	100		
58	32.9	26.2	39.4





#17

Carbon Disulfide

Concen: 17.55 ug/l

RT: 2.56 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX004348.D

Acq: 04 Sep 2018 15:45

Instrument :

MSVOA_X

ClientSampleId :

VX0904WBSD02

Tot Ion: 76 Resp: 143779

Ion Ratio Lower Upper

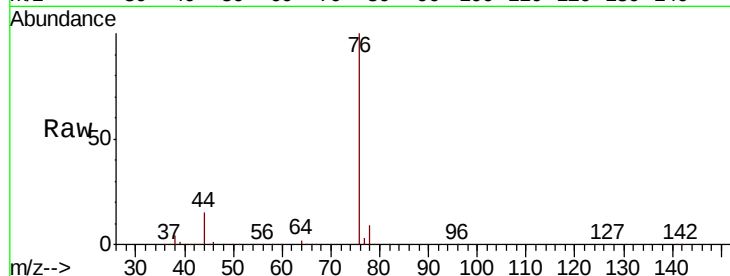
76 100

78 9.1 7.0 10.6

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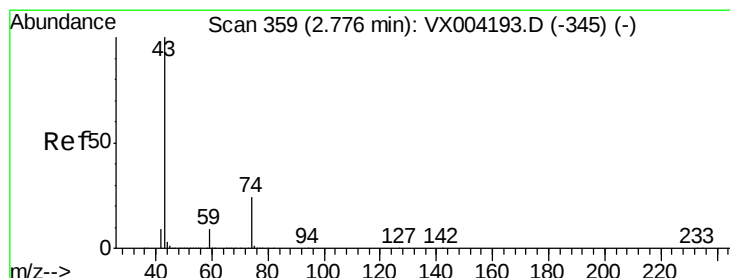
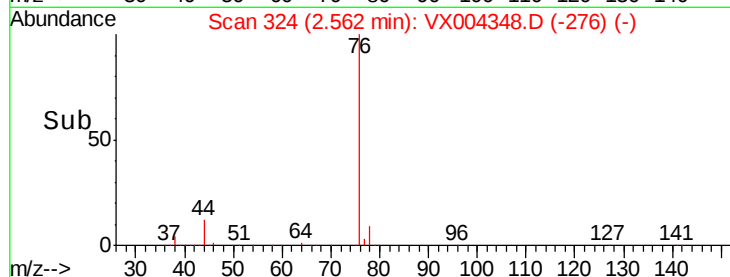
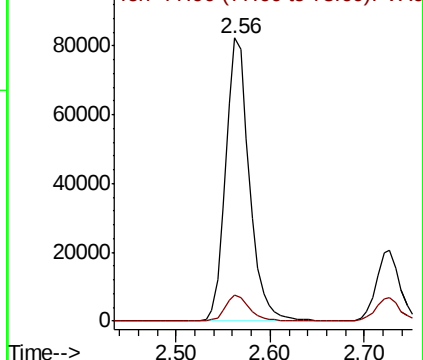
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 27.29 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.00 min

Lab File: VX004348.D

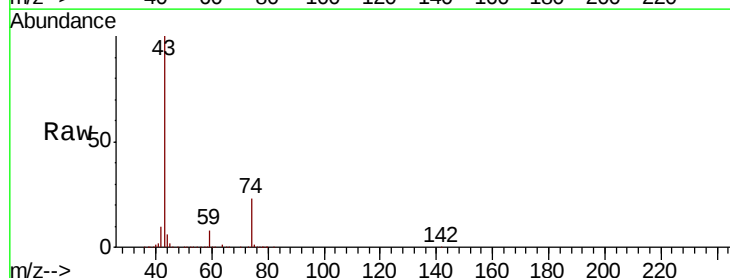
Acq: 04 Sep 2018 15:45

Tgt Ion: 43 Resp: 151542

Ion Ratio Lower Upper

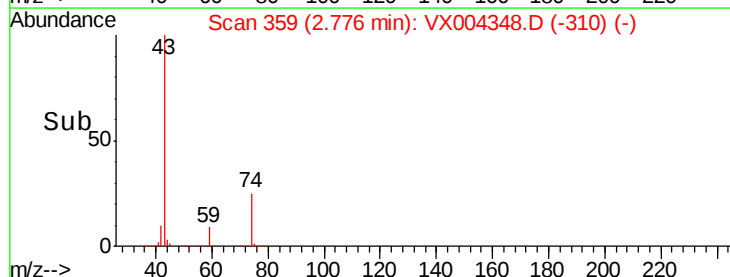
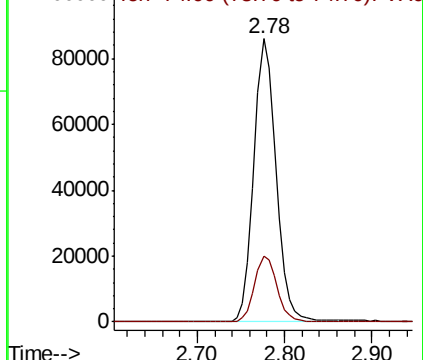
43 100

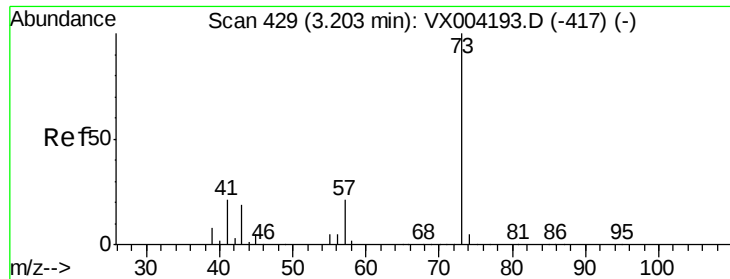
74 24.0 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

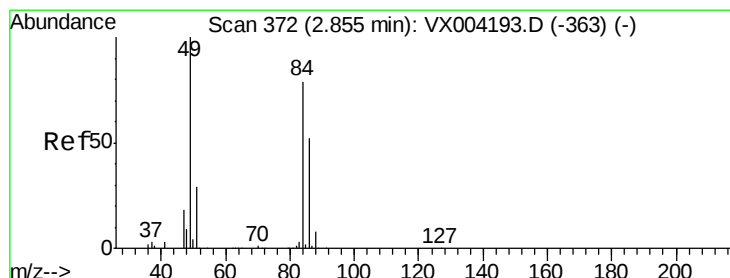
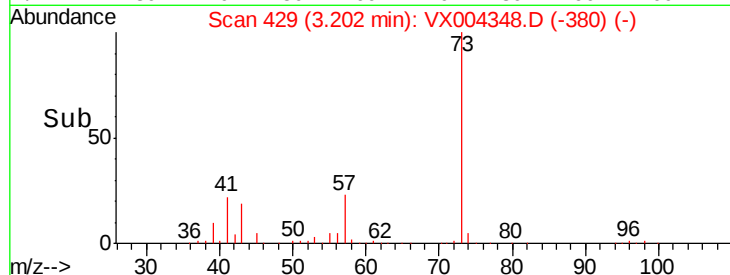
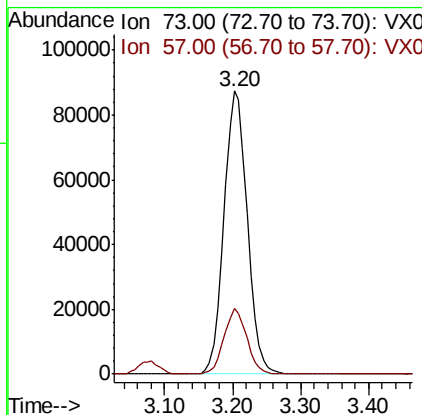
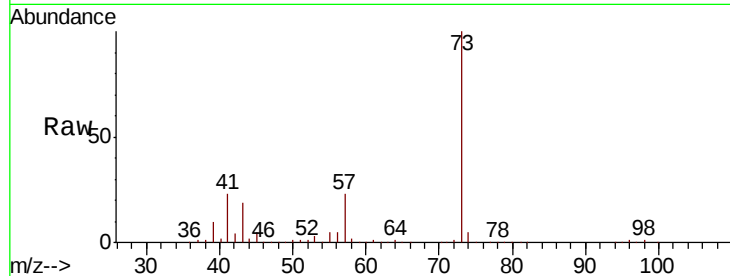
Methyl tert-butyl Ether
 Concen: 20.68 ug/l
 RT: 3.20 min Scan# 429
 Delta R.T. -0.00 min
 Lab File: VX004348.D
 Acq: 04 Sep 2018 15:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904WBSD02

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.2	17.1	25.7

Manual Integrations
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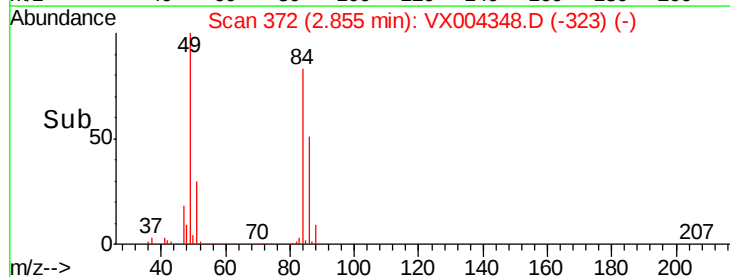
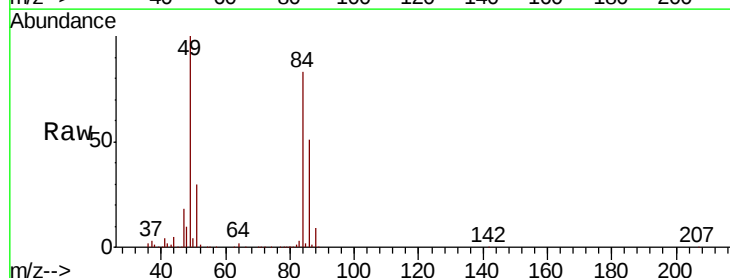
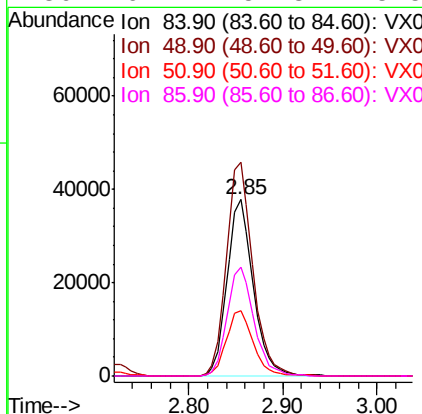
MMDadoda
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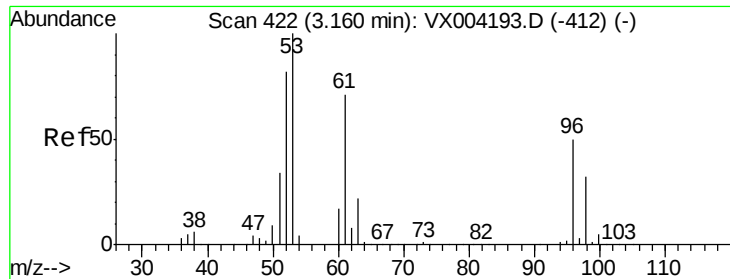


#20

Methylene Chloride
 Concen: 20.32 ug/l
 RT: 2.85 min Scan# 372
 Delta R.T. -0.00 min
 Lab File: VX004348.D
 Acq: 04 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.0	101.2	151.8
51	36.6	29.5	44.3
86	61.7	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 18.67 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004348.D

Acq: 04 Sep 2018 15:45

Instrument :

MSVOA_X

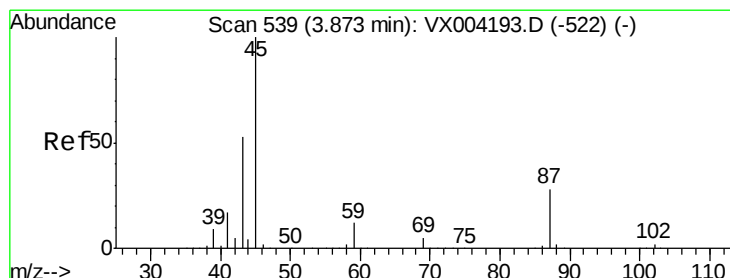
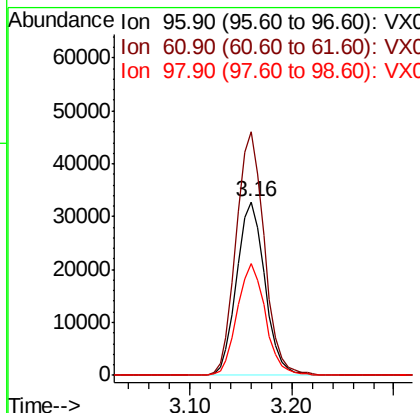
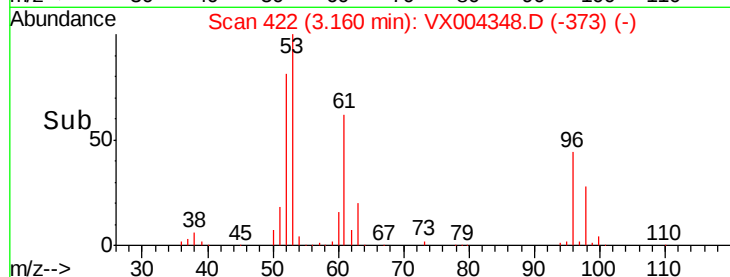
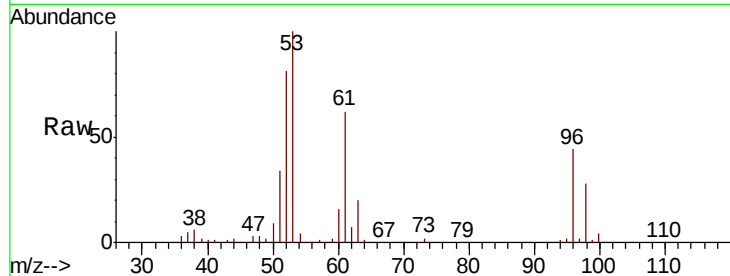
ClientSampleId :

VX0904WBSD02

Tot Ion:	96	Resp:	62863
Ion	Ratio	Lower	Upper
96	100		
61	140.3	113.8	170.6
98	64.0	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.18 ug/l

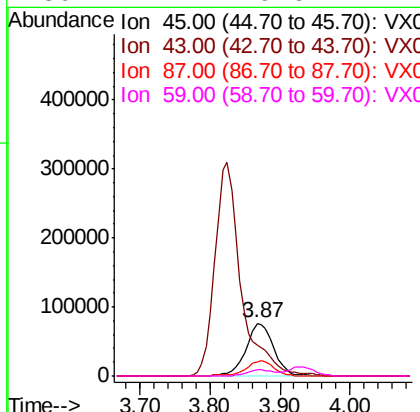
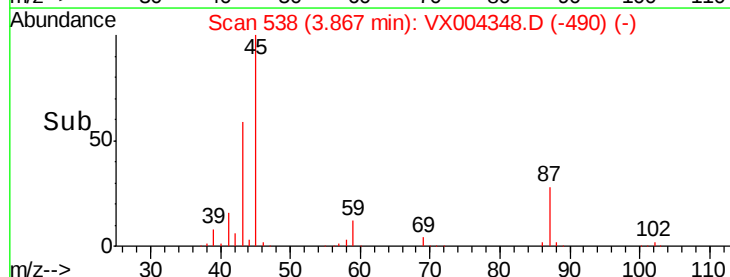
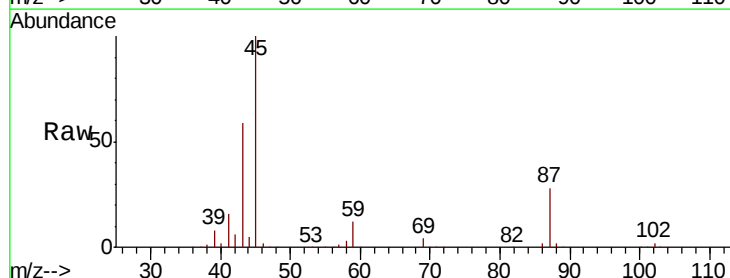
RT: 3.87 min Scan# 538

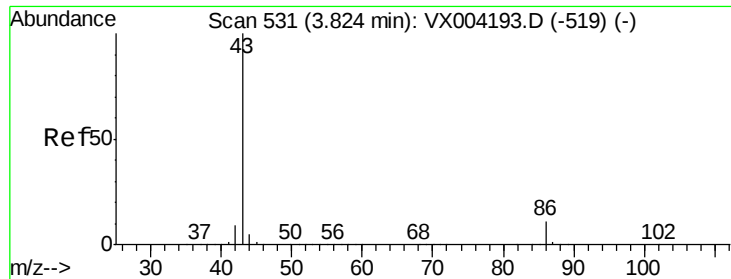
Delta R.T. -0.01 min

Lab File: VX004348.D

Acq: 04 Sep 2018 15:45

Tgt Ion:	45	Resp:	210525
Ion	Ratio	Lower	Upper
45	100		
43	58.5	42.8	64.2
87	27.6	22.6	34.0
59	12.2	9.6	14.4





#23

Vinyl Acetate

Concen: 95.54 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.00 min

Lab File: VX004348.D

Acq: 04 Sep 2018 15:45

Instrument :

MSVOA_X

ClientSampleId :

VX0904WBSD02

Tot Ion: 43 Resp: 807955

Ion Ratio Lower Upper

43 100

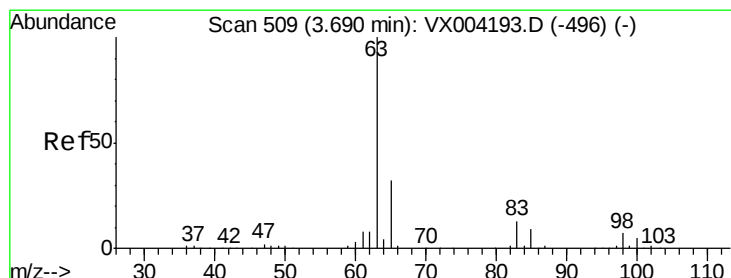
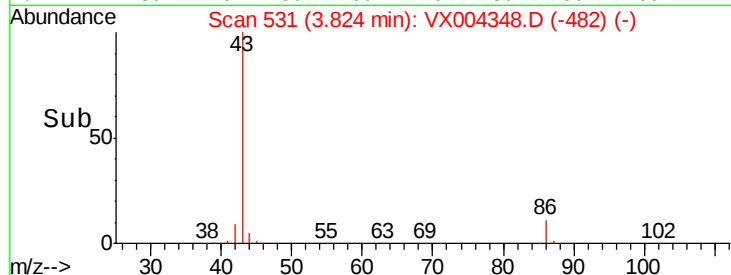
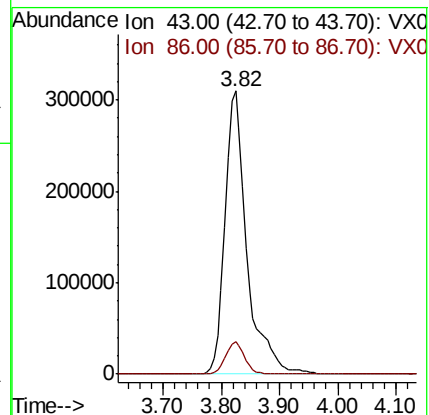
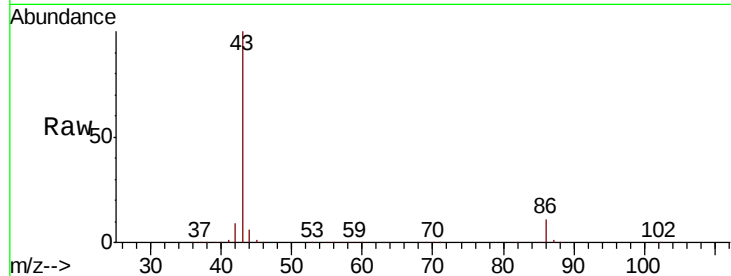
86 11.3 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.69 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.00 min

Lab File: VX004348.D

Acq: 04 Sep 2018 15:45

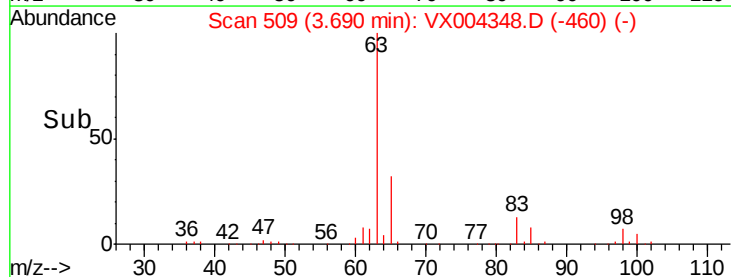
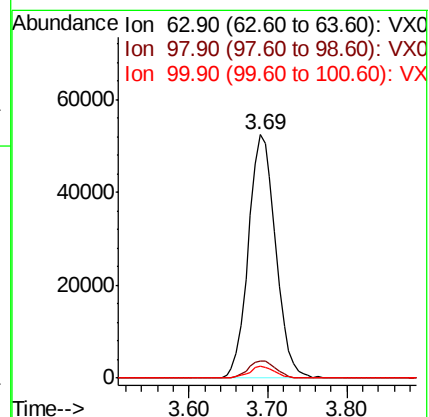
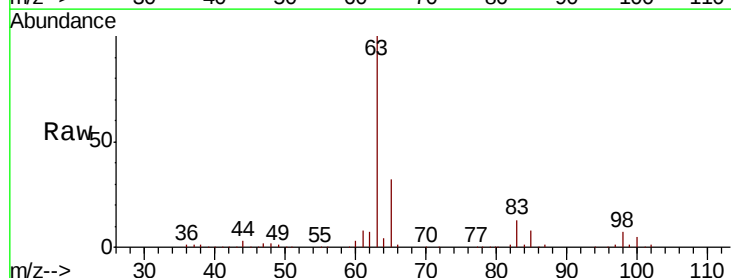
Tgt Ion: 63 Resp: 125785

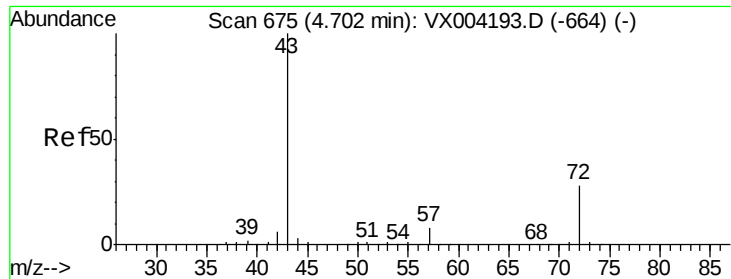
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

100 4.8 2.4 7.1





#25

2-Butanone

Concen: 107.15 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX004348.D

Acq: 04 Sep 2018 15:45

Instrument :

MSVOA_X

ClientSampleId :

VX0904WBSD02

Tot Ion: 43 Resp: 272774

Ion Ratio Lower Upper

43 100

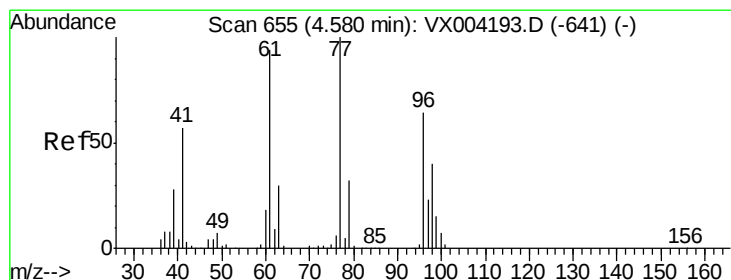
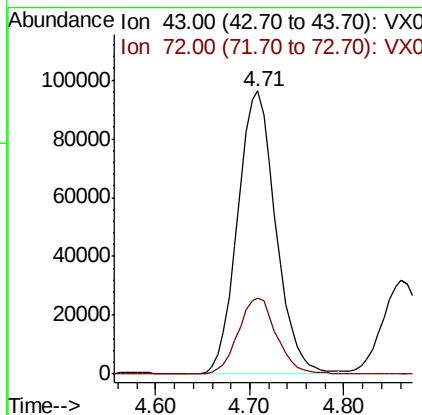
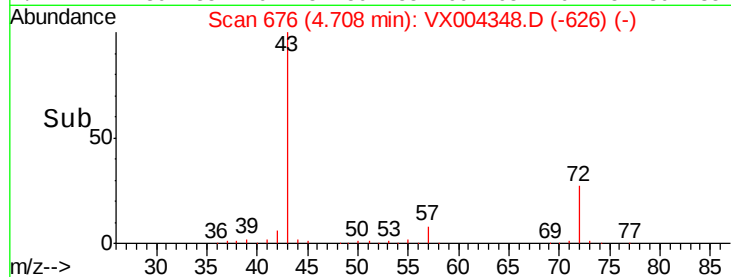
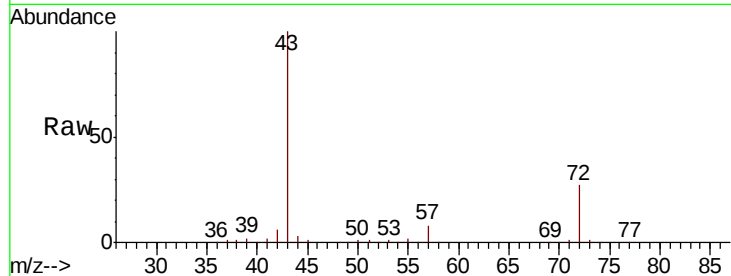
72 27.0 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.15 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX004348.D

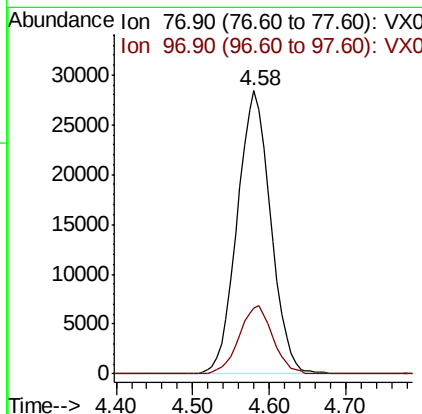
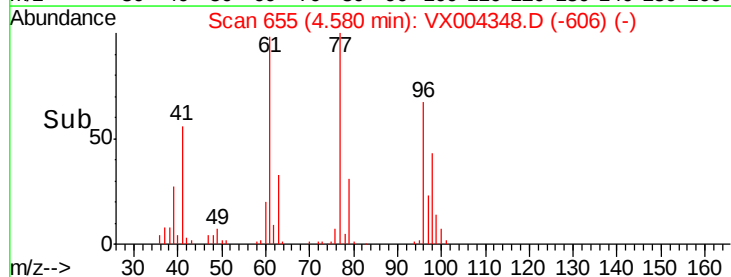
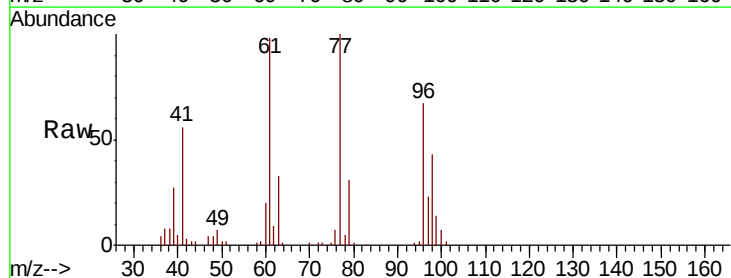
Acq: 04 Sep 2018 15:45

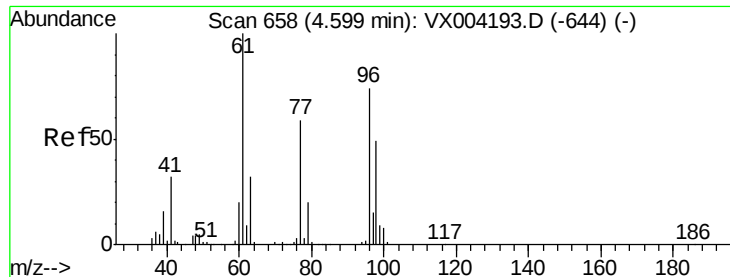
Tgt Ion: 77 Resp: 86543

Ion Ratio Lower Upper

77 100

97 24.1 11.7 35.0





#27

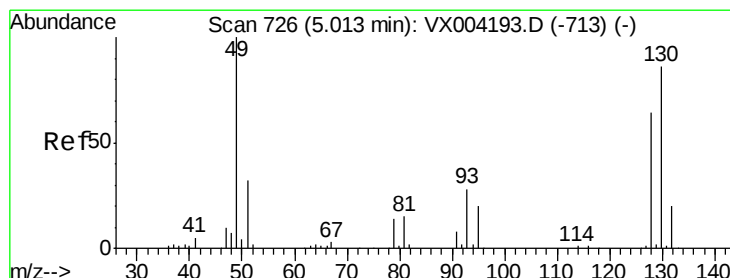
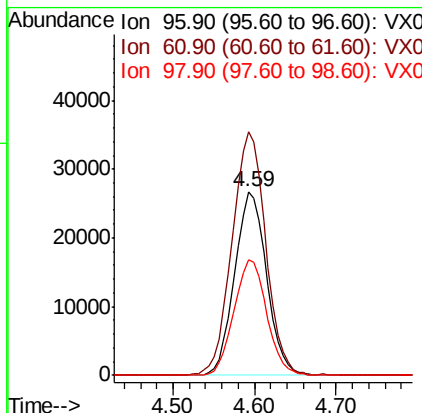
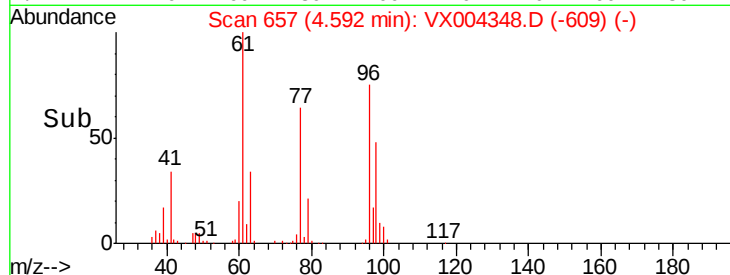
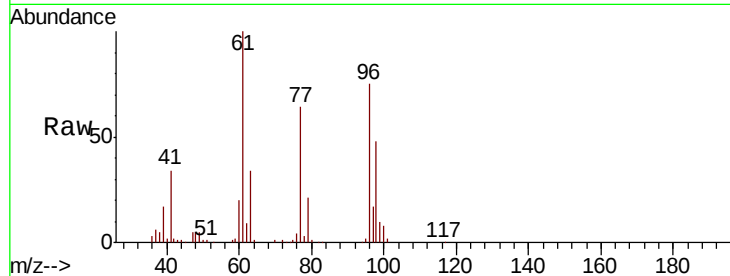
cis-1,2-Dichloroethene
Concen: 19.03 ug/l
RT: 4.59 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX004348.D
Acq: 04 Sep 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VX0904WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	139.6	0.0	282.6	
98	64.4	0.0	130.2	

Manual Integrations
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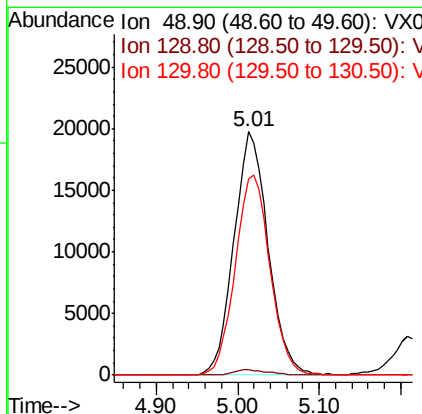
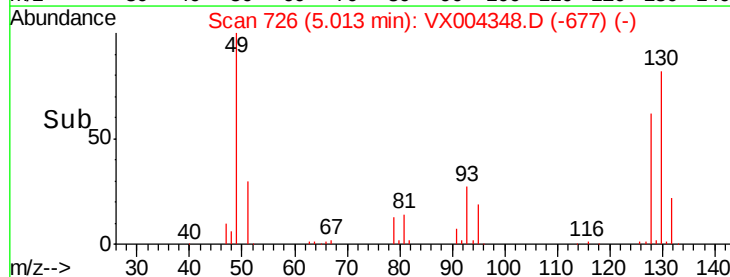
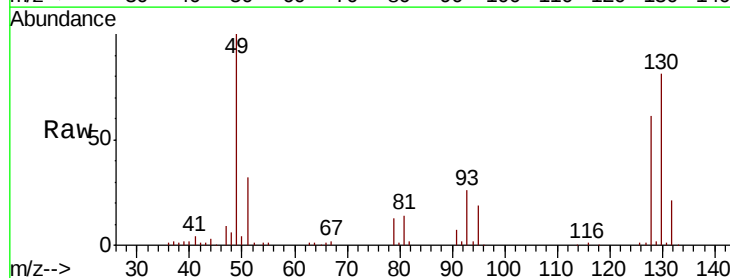
MMDadoda
9/5/2018 4:52:23 PM

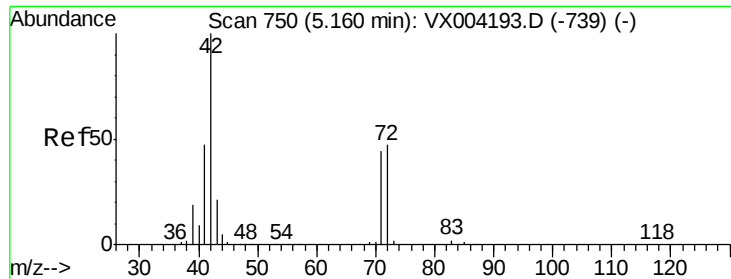


#28

Bromochloromethane
Concen: 21.31 ug/l
RT: 5.01 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX004348.D
Acq: 04 Sep 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	4.2	
130	83.6	67.5	101.3	





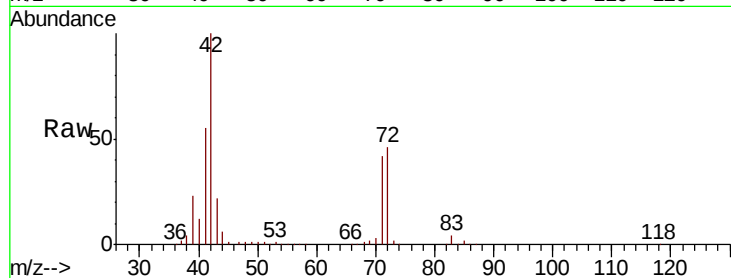
#29
Tetrahydrofuran
Concen: 106.43 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.01 min
Lab File: VX004348.D
Acq: 04 Sep 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VX0904WBSD02

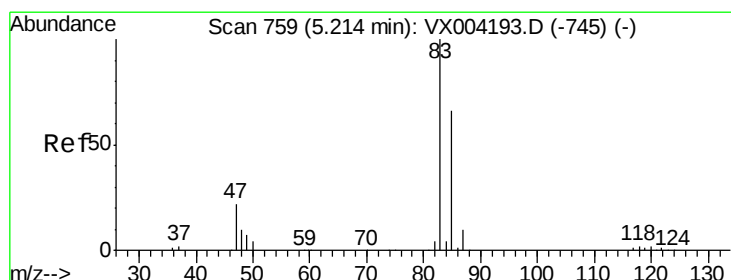
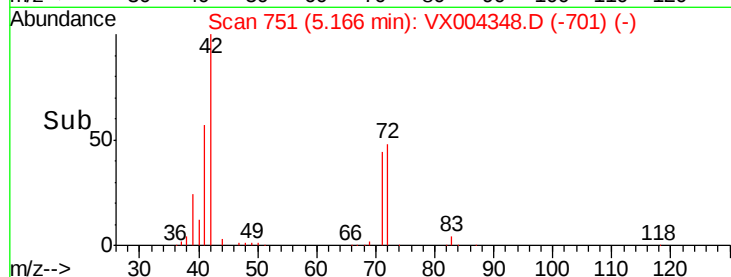
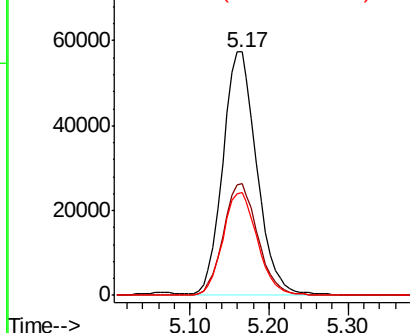
Tot Ion	Ratio	Lower	Upper
42	100		
72	46.7	37.4	56.0
71	43.3	34.5	51.7

Manual Integrations
APPROVED

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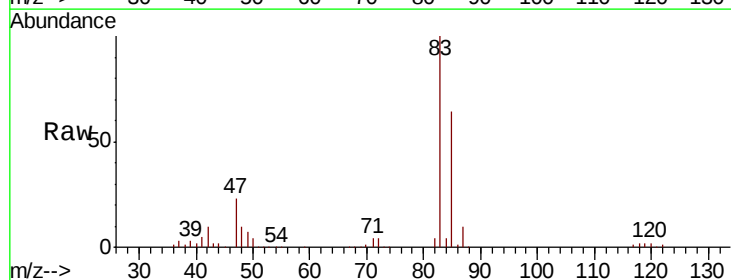


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

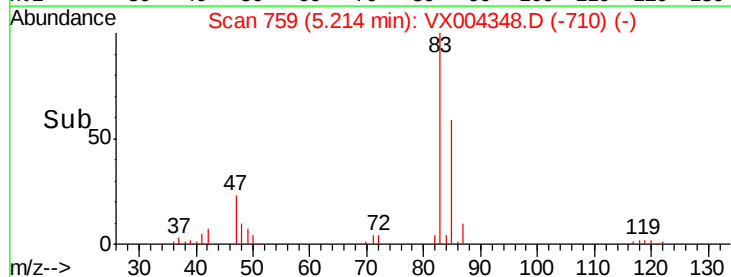
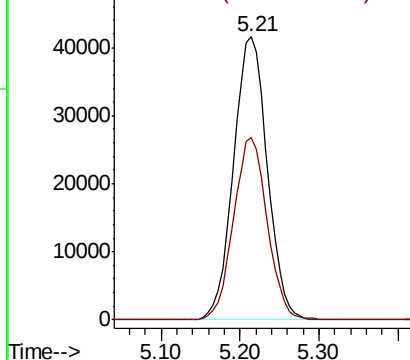


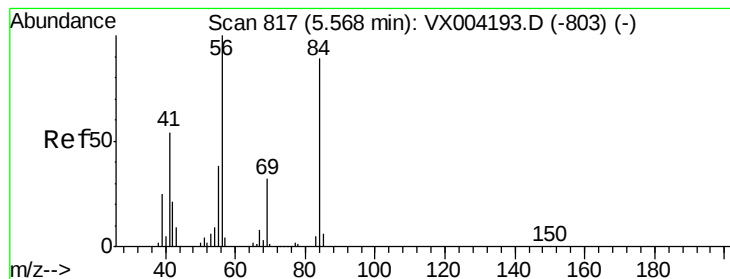
#30
Chloroform
Concen: 20.32 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004348.D
Acq: 04 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.6	79.0



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 18.79 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX004348.D

Acq: 04 Sep 2018 15:45

Instrument :

MSVOA_X

ClientSampleId :

VX0904WBSD02

Tot Ion: 56 Resp: 98606

Ion Ratio Lower Upper

56 100

69 30.2 25.4 38.2

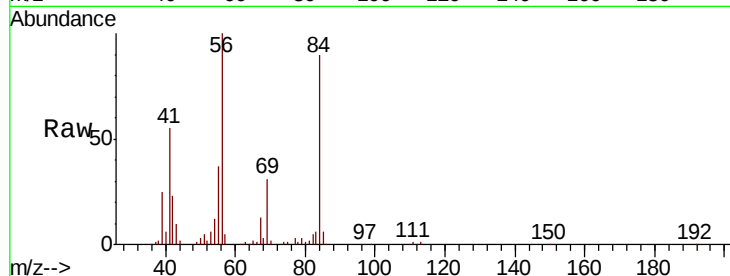
84 88.4 71.4 107.2

Manual Integrations

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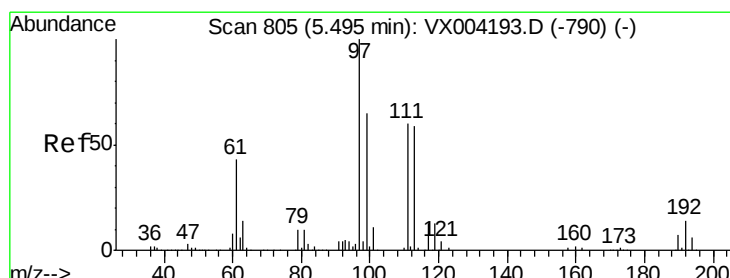
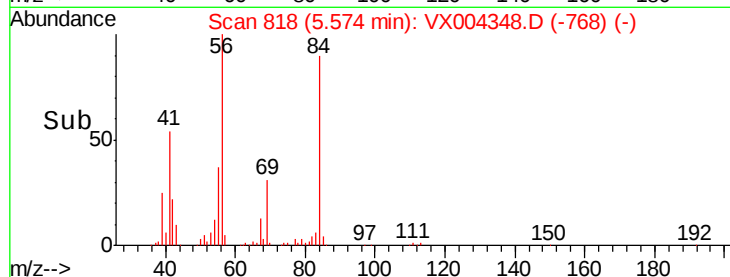
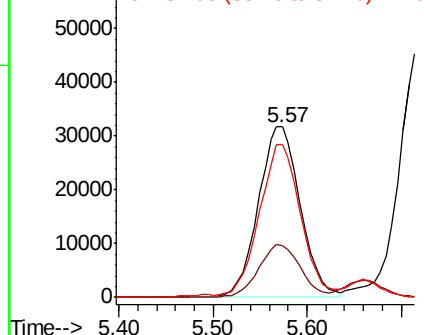


Abundance

Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 19.81 ug/l

RT: 5.49 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX004348.D

Acq: 04 Sep 2018 15:45

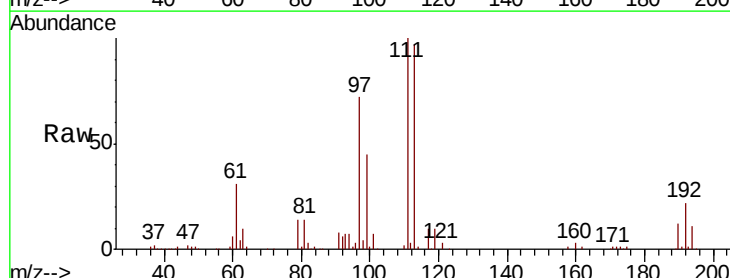
Tgt Ion: 97 Resp: 100734

Ion Ratio Lower Upper

97 100

99 65.2 52.0 78.0

61 44.1 34.9 52.3

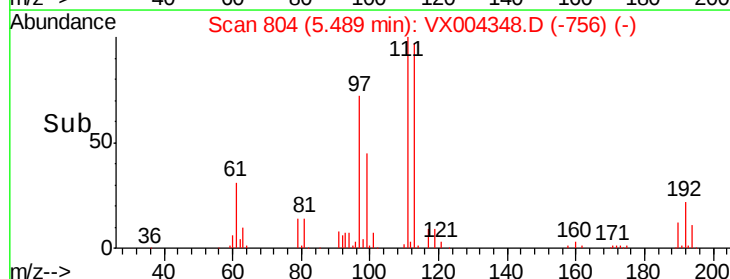
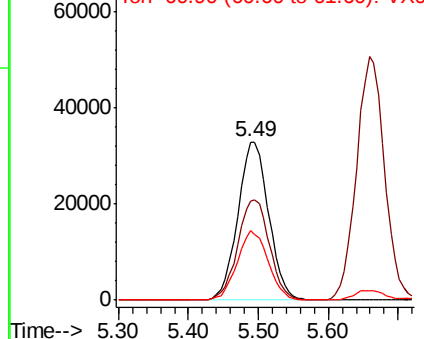


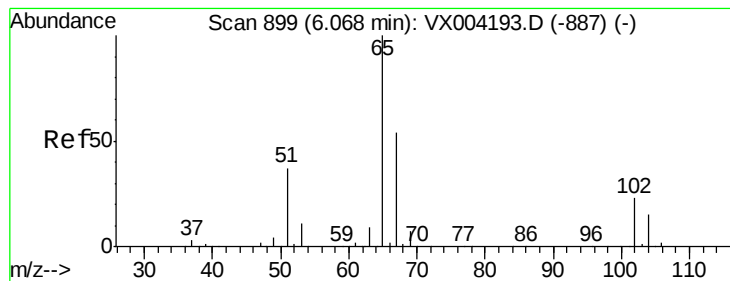
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.51 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.00 min

Lab File: VX004348.D

Acq: 04 Sep 2018 15:45

Tot Ion: 65 Resp: 185271

Ion Ratio Lower Upper

65 100

67 53.7 0.0 106.8

Instrument :

MSVOA_X

ClientSampleId :

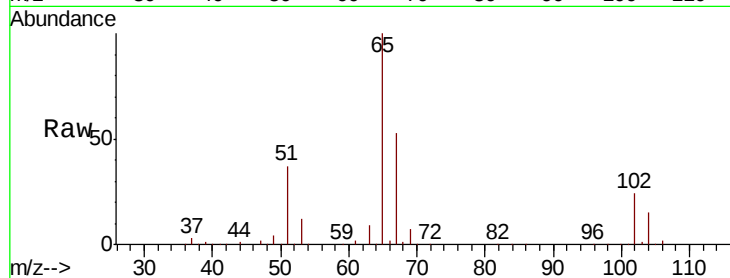
VX0904WBSD02

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

80000

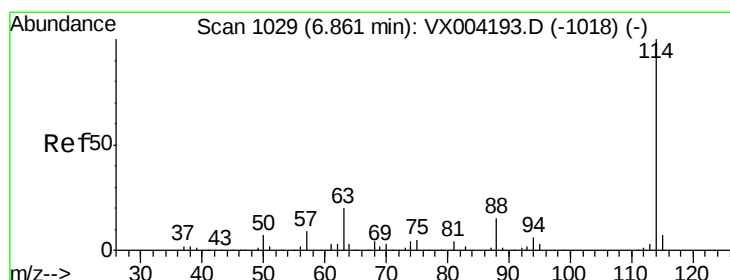
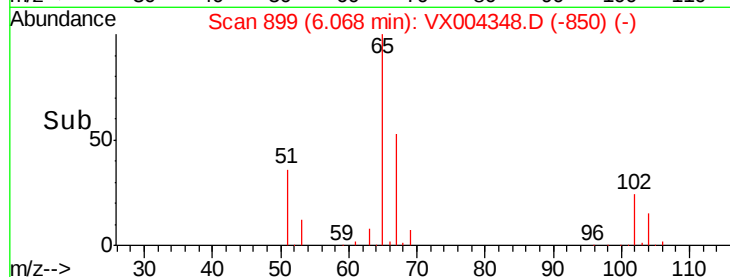
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VX004348.D

Acq: 04 Sep 2018 15:45

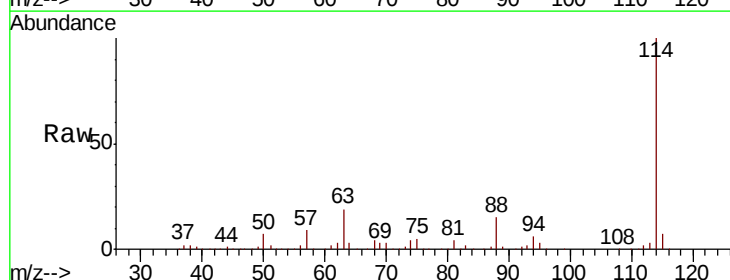
Tgt Ion: 114 Resp: 411317

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.0

88 15.2 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

200000

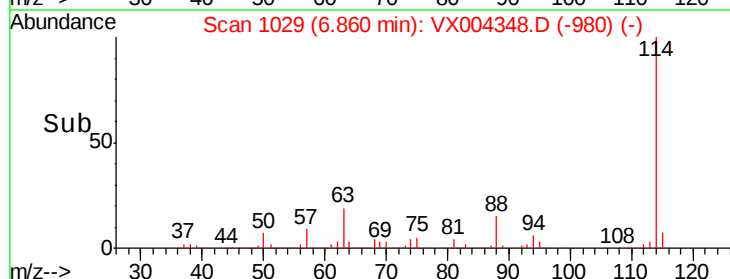
150000

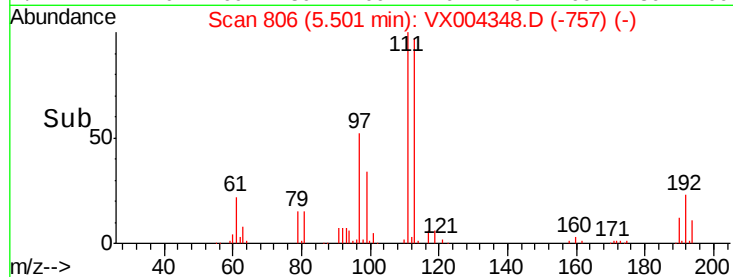
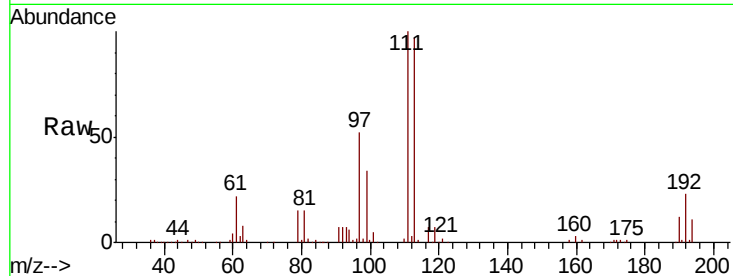
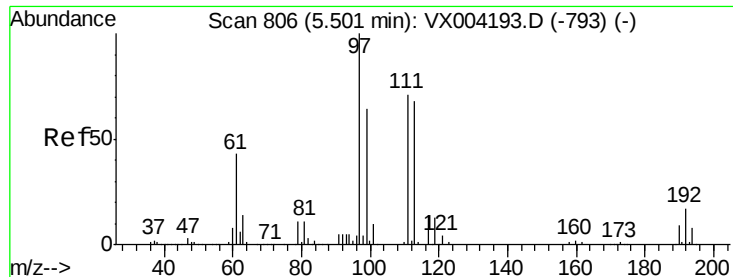
100000

50000

0

Time-->





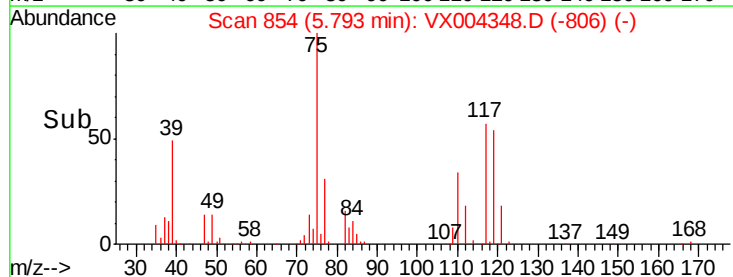
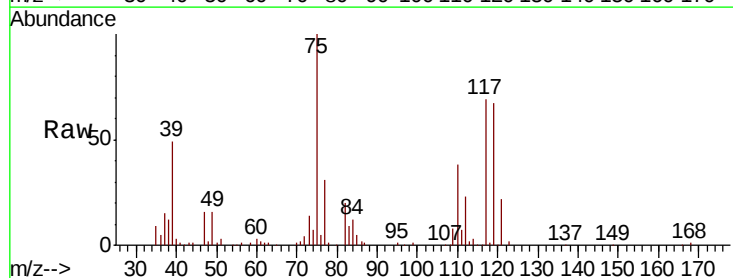
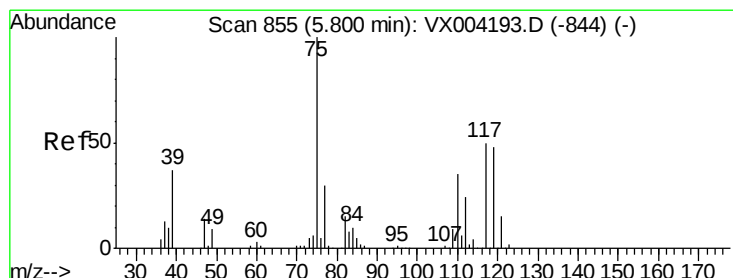
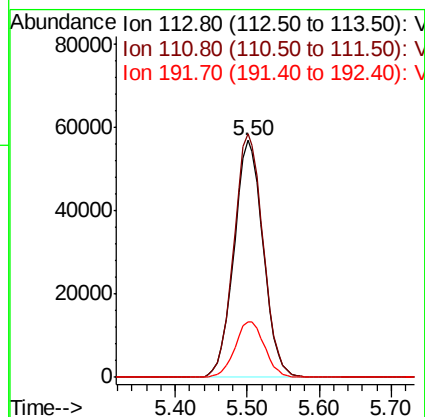
#35
Dibromofluoromethane
Concen: 52.18 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX004348.D
Acq: 04 Sep 2018 15:45

Tot Ion	Ratio	Resp	Lower	Upper
113	100	159663		
111	103.4	82.4	123.6	
192	23.9	19.4	29.2	

Instrument :
MSVOA_X
ClientSampleId :
VX0904WBSD02

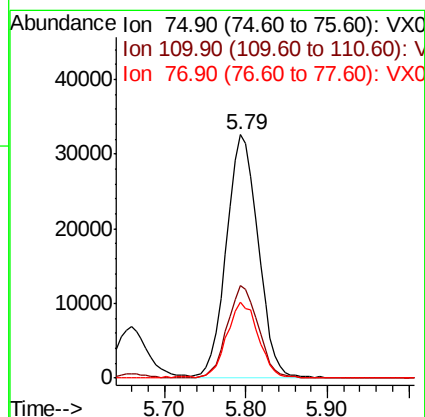
Manual Integrations
APPROVED

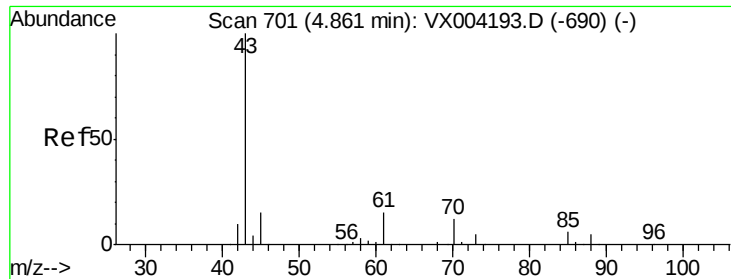
MMDadoda
9/5/2018 4:52:23 PM



#36
1,1-Dichloropropene
Concen: 19.04 ug/l
RT: 5.79 min Scan# 854
Delta R.T. -0.01 min
Lab File: VX004348.D
Acq: 04 Sep 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	88029		
110	36.9	18.0	54.0	
77	30.9	24.6	36.8	





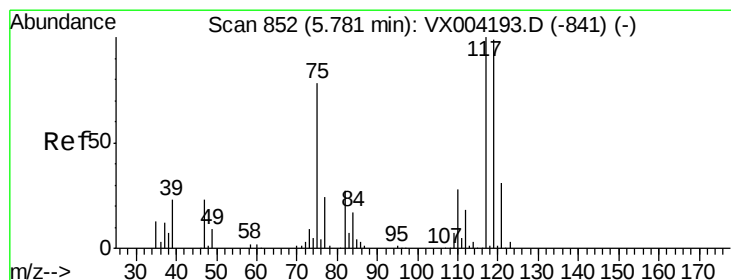
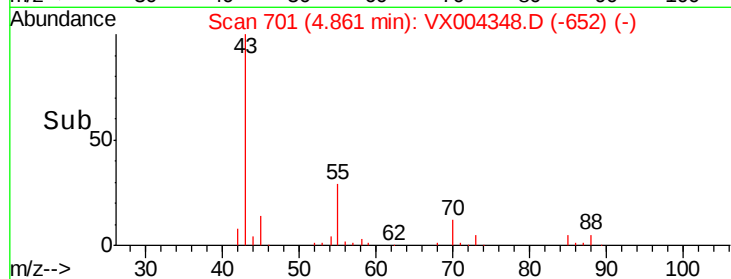
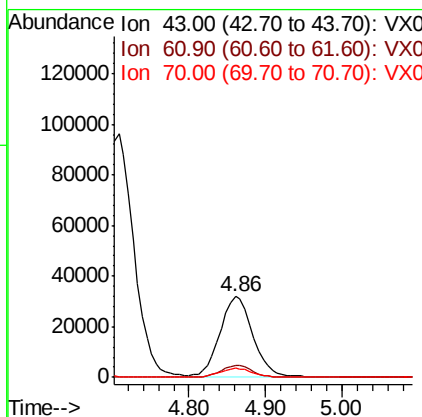
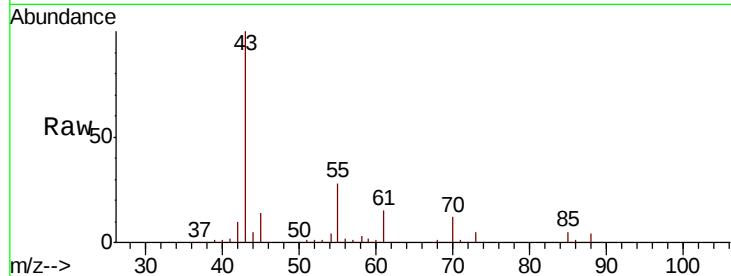
#37
Ethyl Acetate
Concen: 20.77 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.00 min
Lab File: VX004348.D
Acq: 04 Sep 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VX0904WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.5	17.3
70	11.6	9.0	13.6

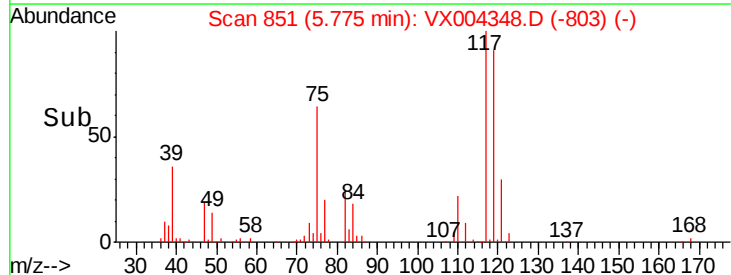
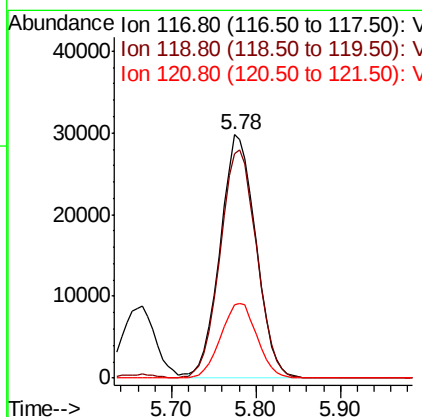
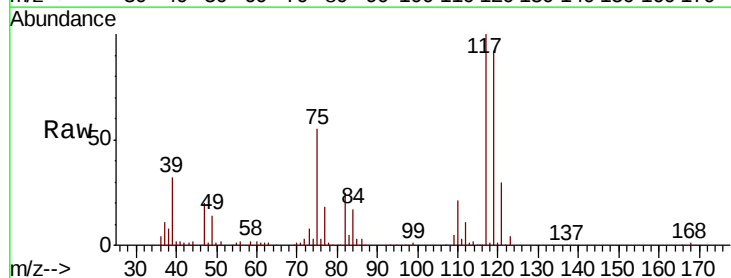
Manual Integrations
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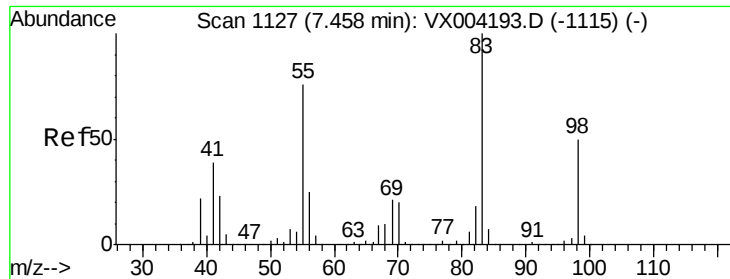
MMDadoda
9/5/2018 4:52:23 PM



#38
Carbon Tetrachloride
Concen: 19.84 ug/l
RT: 5.78 min Scan# 851
Delta R.T. -0.01 min
Lab File: VX004348.D
Acq: 04 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.3	78.8	118.2
121	29.9	24.9	37.3





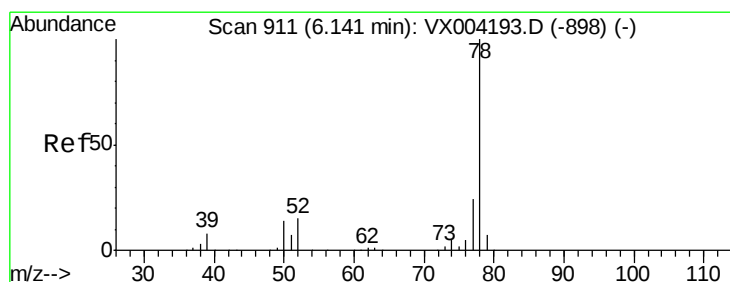
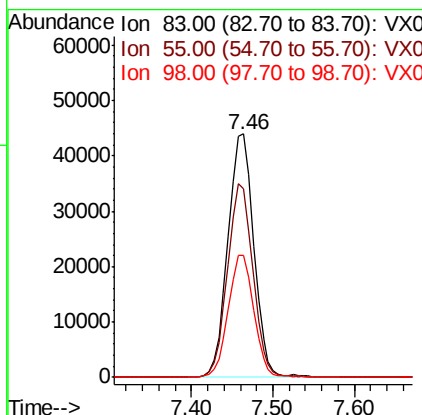
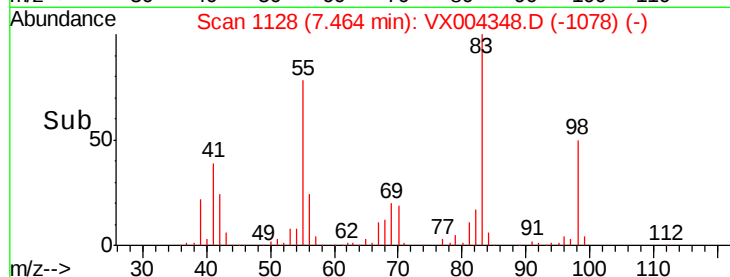
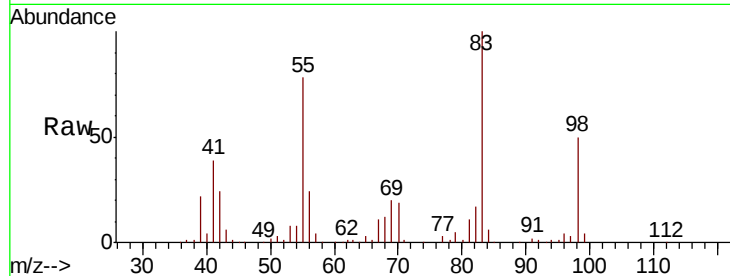
#39
Methvlcvclohexane
Concen: 18.32 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX004348.D
Acq: 04 Sep 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VX0904WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.5	61.0	91.4
98	50.2	39.6	59.4

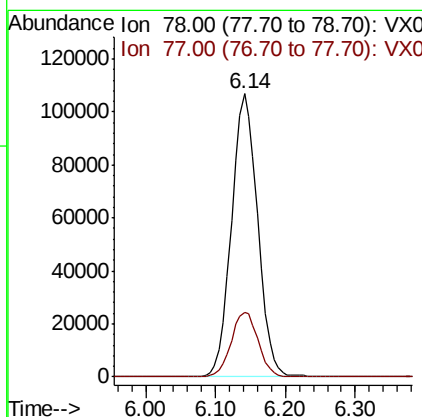
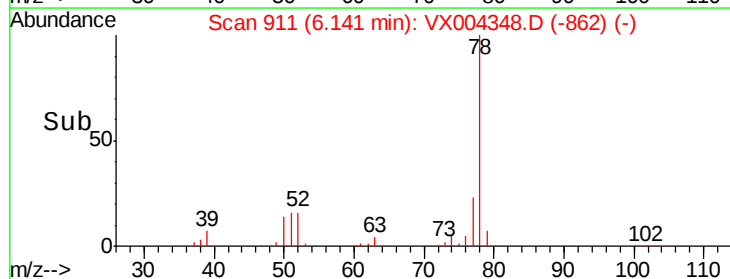
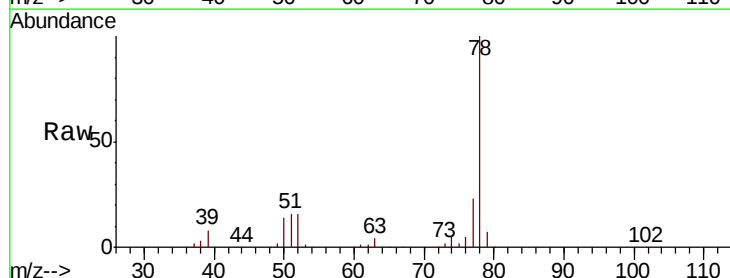
Manual Integrations
APPROVED

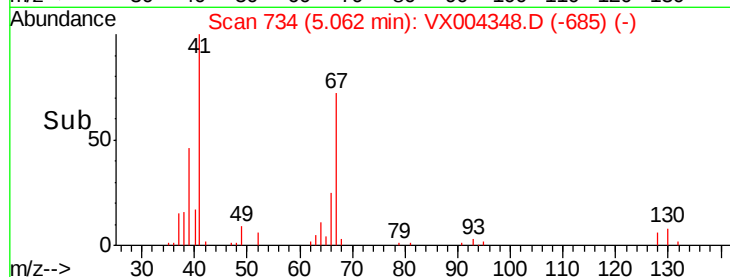
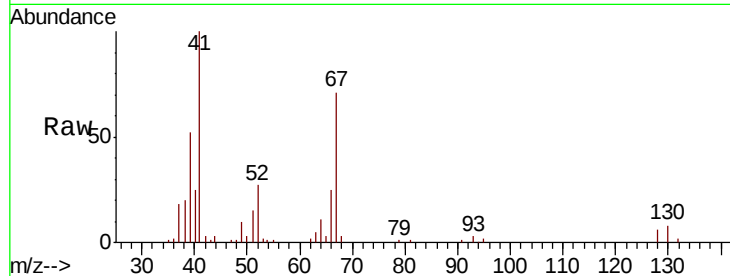
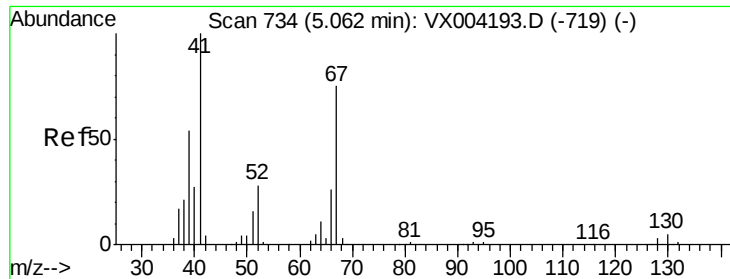
MMDadoda
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#40
Benzene
Concen: 20.10 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX004348.D
Acq: 04 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.0	28.4





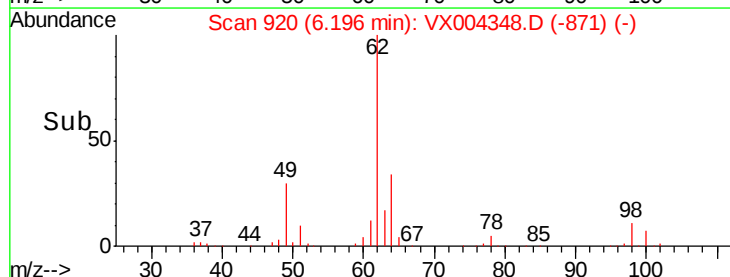
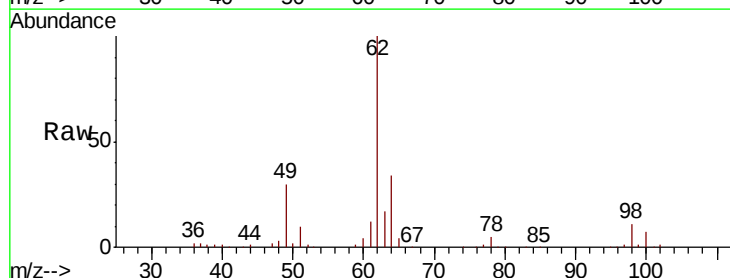
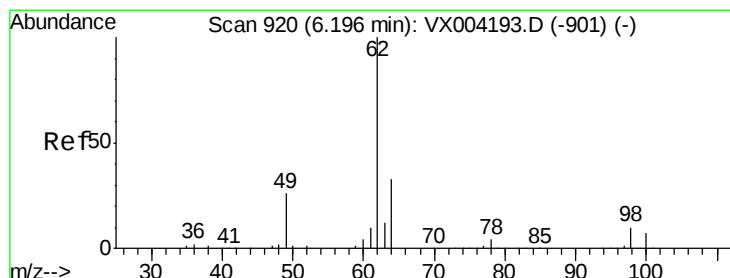
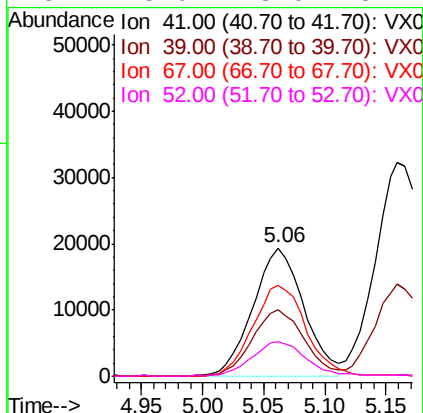
#41
Methacrylonitrile
Concen: 21.29 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.00 min
Lab File: VX004348.D
Acq: 04 Sep 2018 15:45

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.6	42.4	63.6	
67	74.4	59.2	88.8	
52	28.0	23.0	34.4	

Instrument :
MSVOA_X
ClientSampleId :
VX0904WBSD02

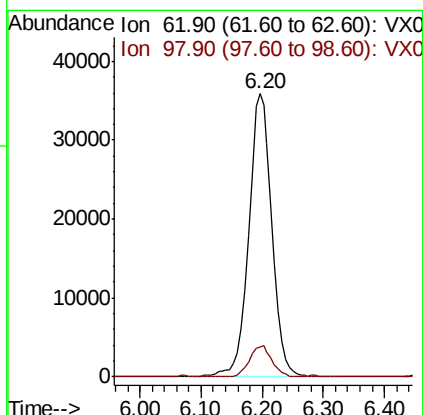
Manual Integrations
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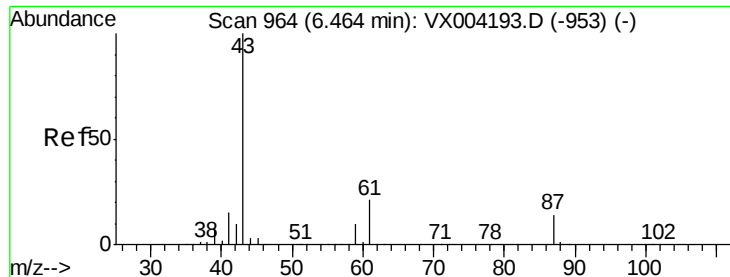
MMDadoda
9/5/2018 4:52:23 PM



#42
1,2-Dichloroethane
Concen: 20.13 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004348.D
Acq: 04 Sep 2018 15:45

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.7	0.0	20.6	





#43

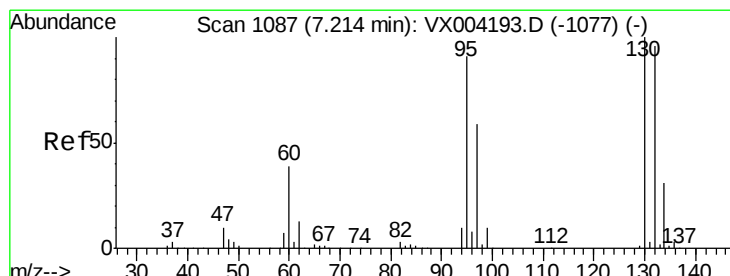
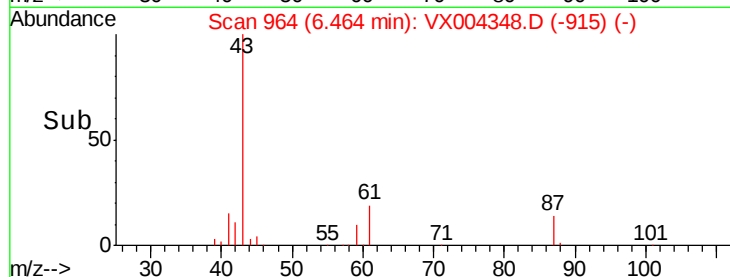
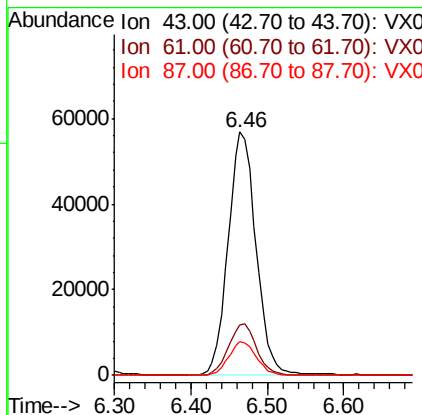
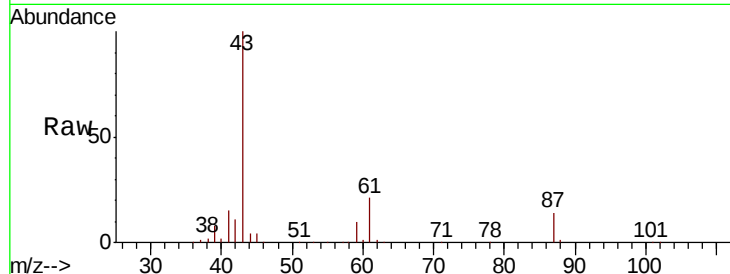
Isopropyl Acetate
 Concen: 20.51 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VX004348.D
 Acq: 04 Sep 2018 15:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.3	17.0	25.4
87	13.8	11.4	17.2

Manual Integrations
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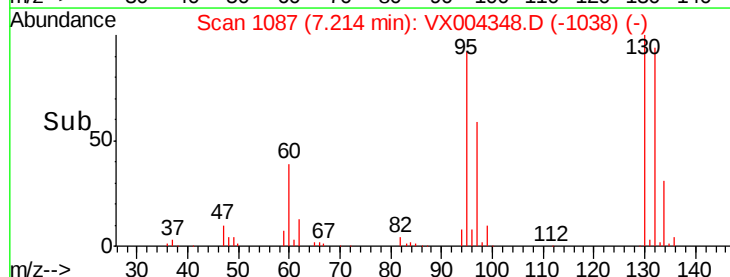
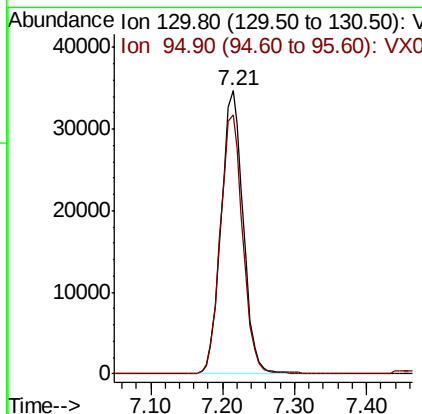
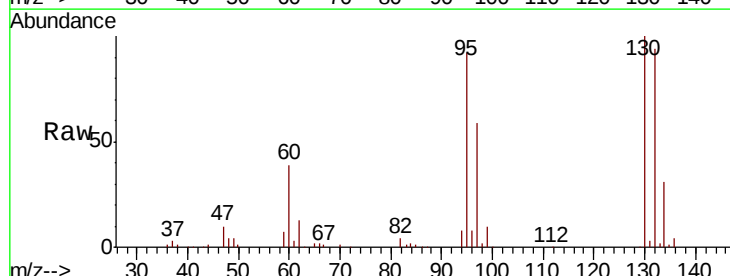
MMDadoda
 9/5/2018 4:52:23 PM

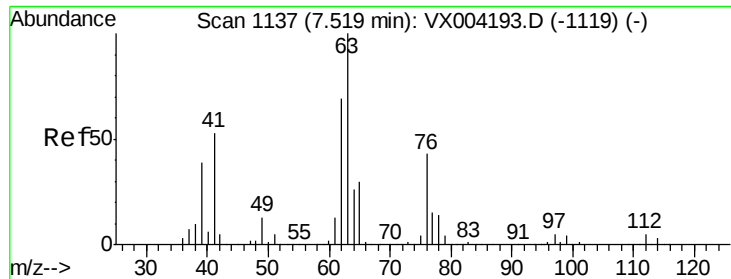


#44

Trichloroethene
 Concen: 19.37 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX004348.D
 Acq: 04 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.7	0.0	181.6





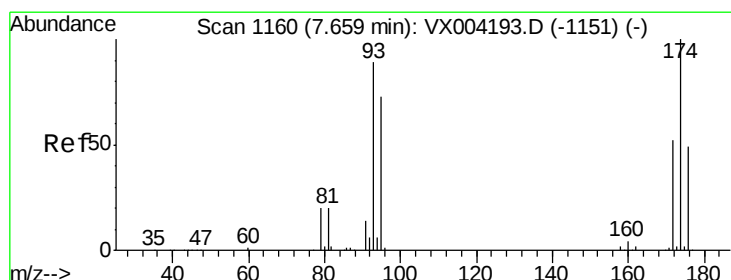
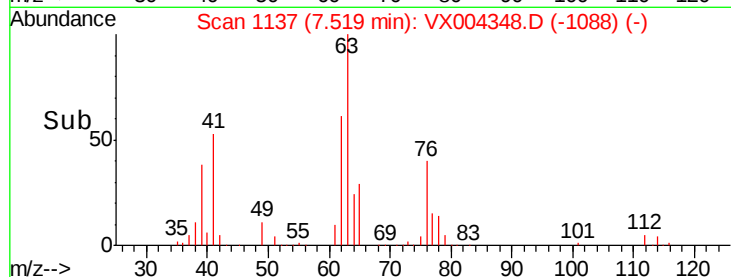
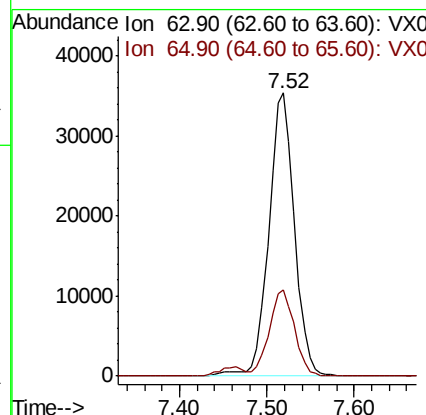
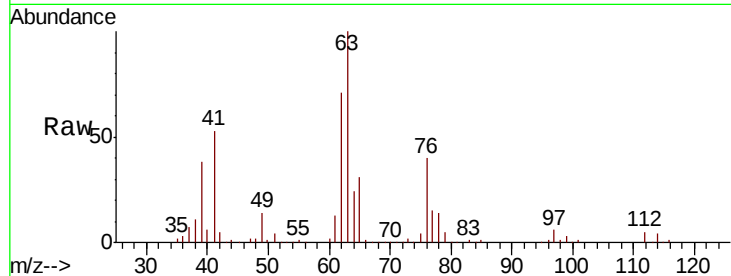
#45
 1,2-Dichloropropane
 Concen: 21.03 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004348.D
 Acq: 04 Sep 2018 15:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904WBSD02

Tot Ion: 63 Resp: 72741
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.3 36.5

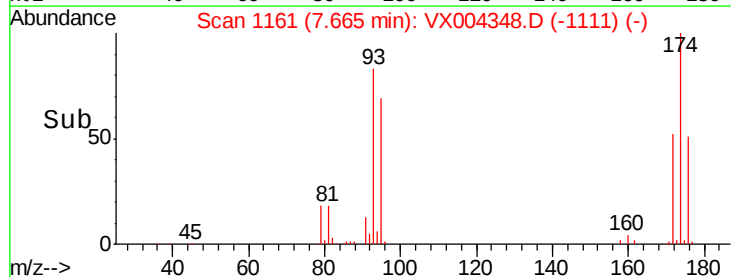
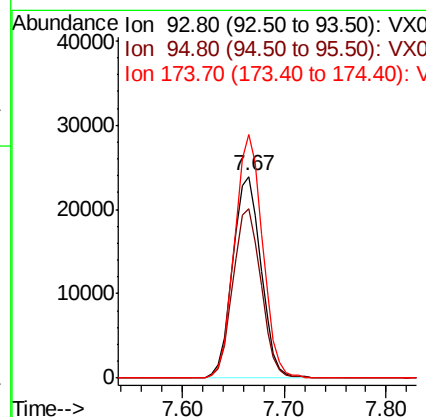
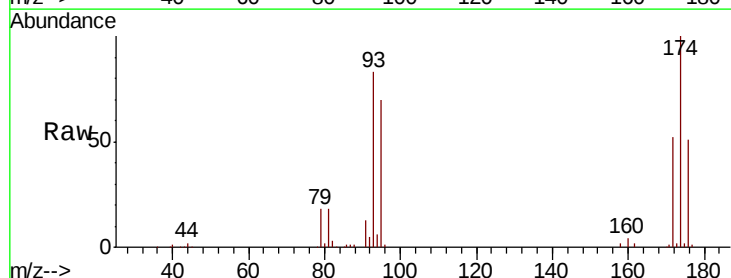
Manual Integrations
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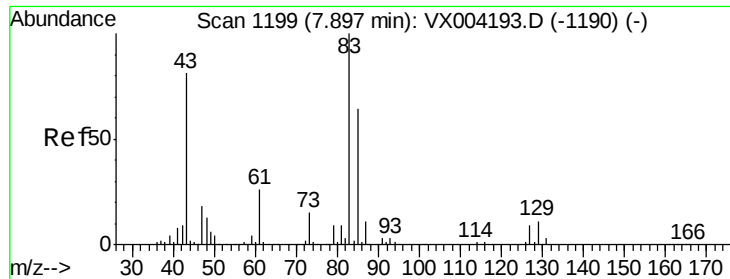
MMDadoda
 9/5/2018 4:52:23 PM



#46
 Dibromomethane
 Concen: 20.01 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.01 min
 Lab File: VX004348.D
 Acq: 04 Sep 2018 15:45

Tgt Ion: 93 Resp: 46075
 Ion Ratio Lower Upper
 93 100
 95 82.9 65.5 98.3
 174 118.9 94.2 141.4





#47

Bromodichloromethane

Concen: 20.16 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VX004348.D

Acq: 04 Sep 2018 15:45

Instrument :

MSVOA_X

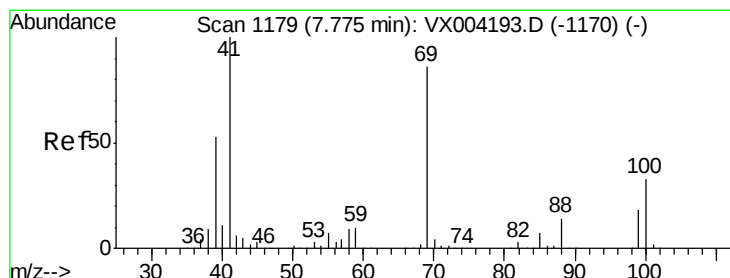
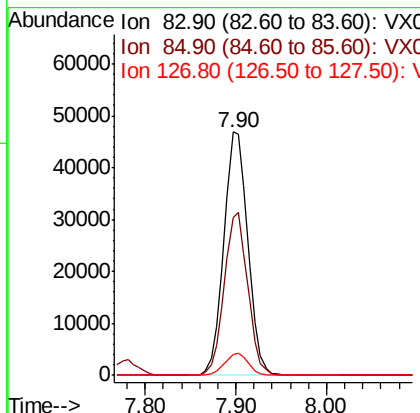
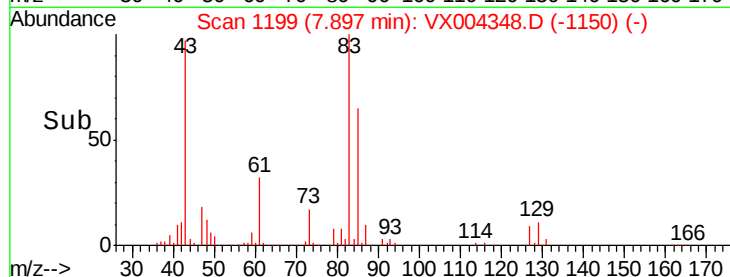
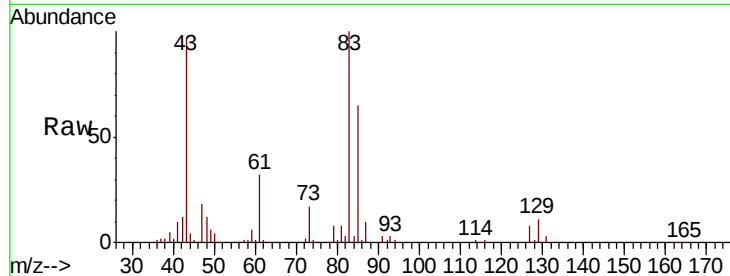
ClientSampleId :

VX0904WBSD02

Tot Ion:	83	Resp:	86382
Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.9	76.3
127	8.5	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.55 ug/l

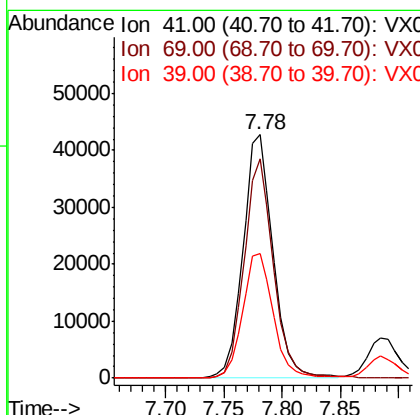
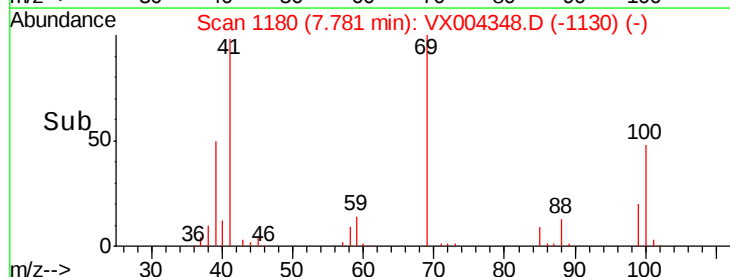
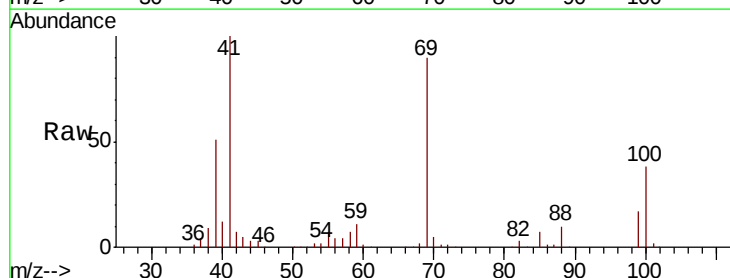
RT: 7.78 min Scan# 1180

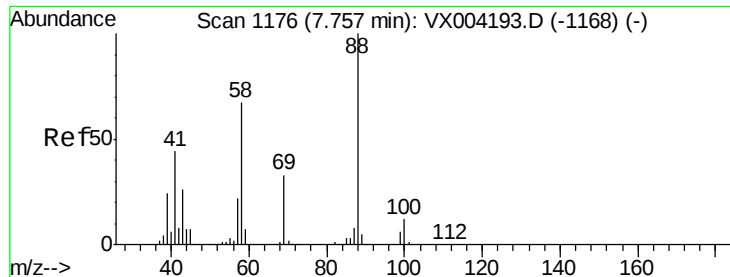
Delta R.T. 0.01 min

Lab File: VX004348.D

Acq: 04 Sep 2018 15:45

Tgt Ion:	41	Resp:	76858
Ion	Ratio	Lower	Upper
41	100		
69	88.2	70.2	105.4
39	52.0	42.7	64.1





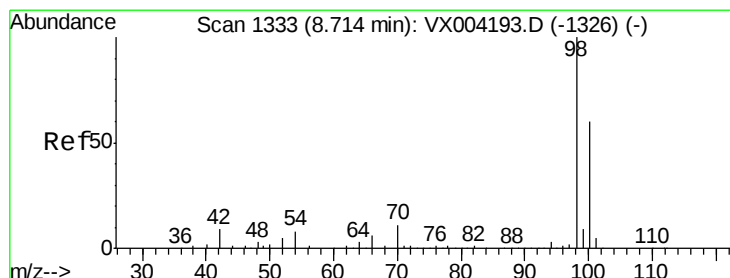
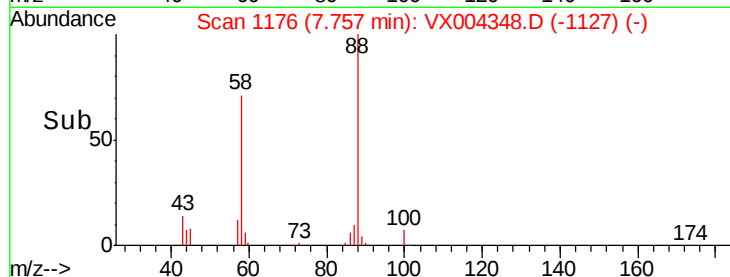
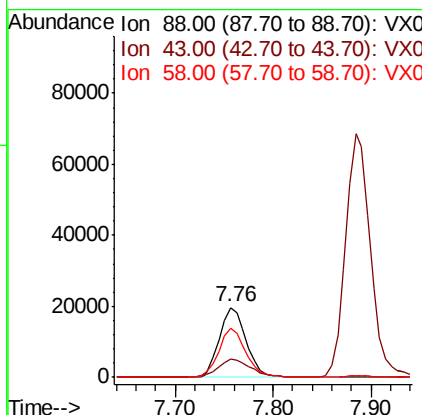
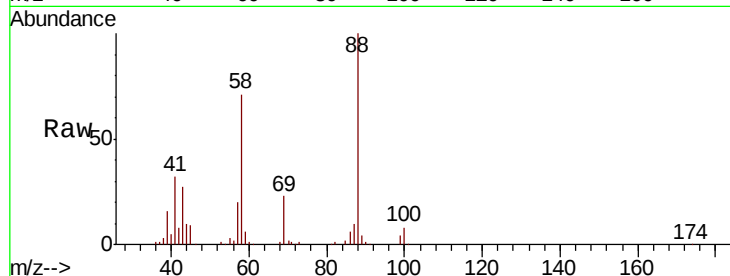
#49
1,4-Dioxane
Concen: 444.67 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004348.D
Acq: 04 Sep 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VX0904WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.9	24.7	37.1
58	70.8	55.3	82.9

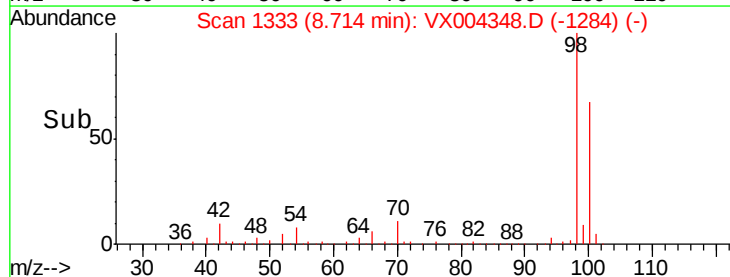
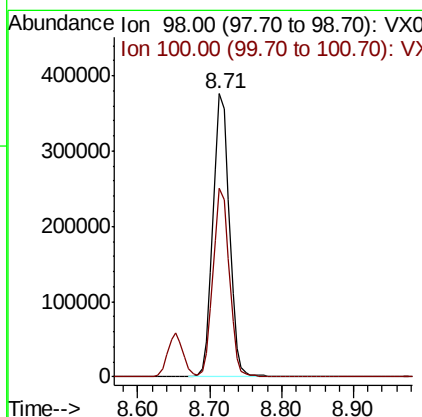
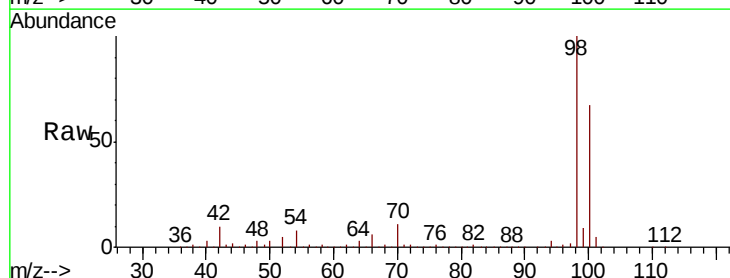
Manual Integrations
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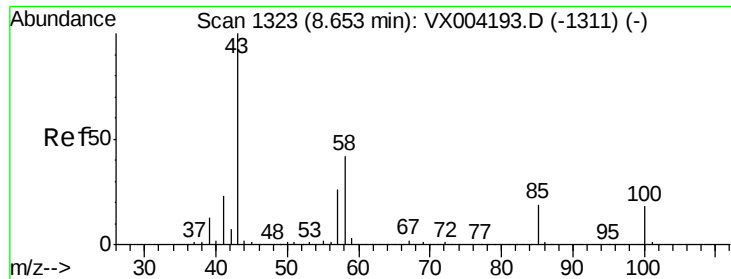
MMDadoda
9/5/2018 4:52:23 PM



#50
Toluene-d8
Concen: 51.46 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004348.D
Acq: 04 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 102.83 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004348.D

Acq: 04 Sep 2018 15:45

Instrument :

MSVOA_X

ClientSampleId :

VX0904WBSD02

Tot Ion: 43 Resp: 522108

Ion Ratio Lower Upper

43 100

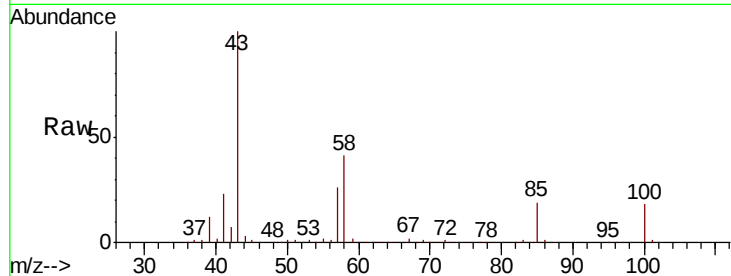
58 40.6 33.1 49.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

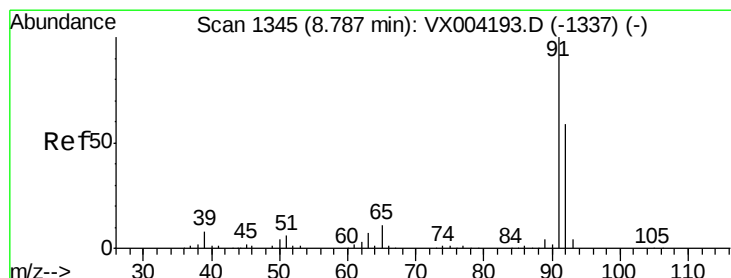
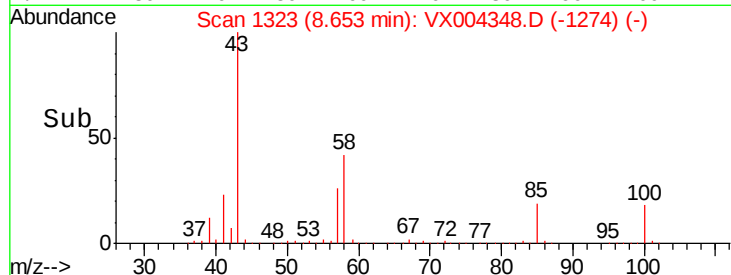
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.29 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004348.D

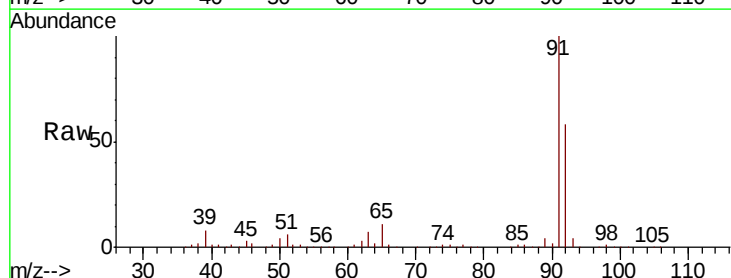
Acq: 04 Sep 2018 15:45

Tgt Ion: 92 Resp: 175521

Ion Ratio Lower Upper

92 100

91 170.7 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

200000

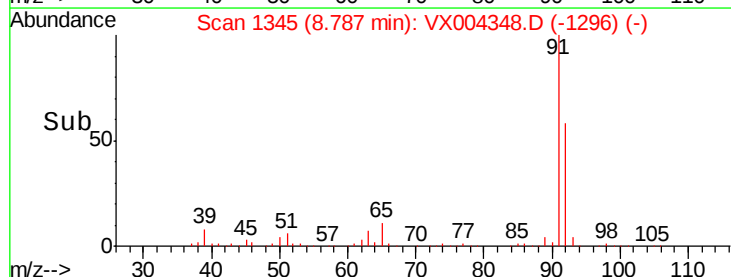
150000

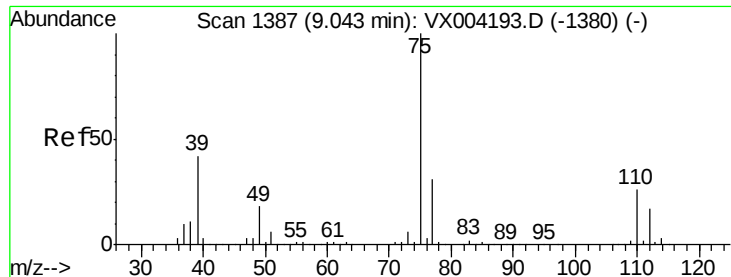
100000

50000

0

Time-->





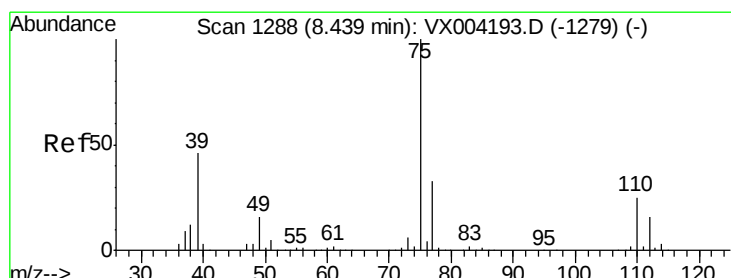
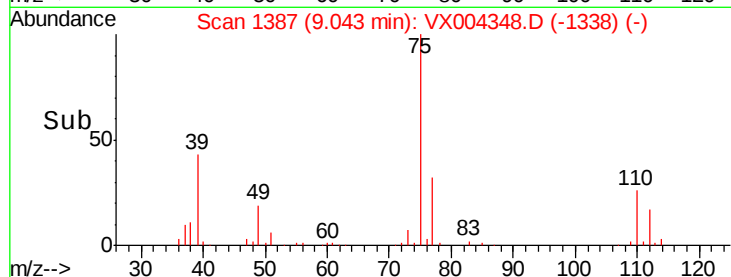
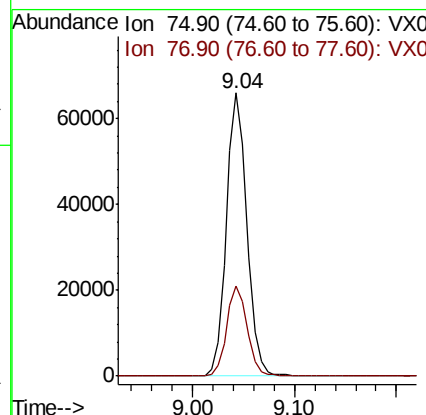
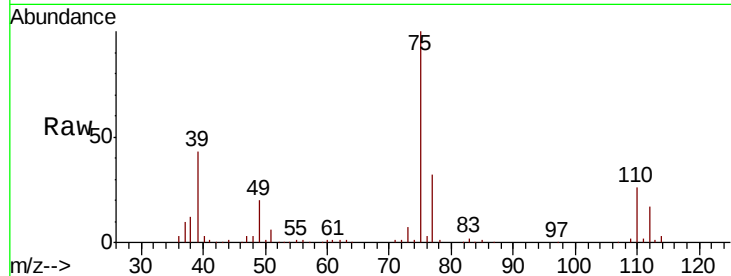
#53
 t-1,3-Dichloropropene
 Concen: 19.53 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX004348.D
 Acq: 04 Sep 2018 15:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904WBSD02

Tot Ion: 75 Resp: 92441
 Ion Ratio Lower Upper
 75 100
 77 31.6 24.6 37.0

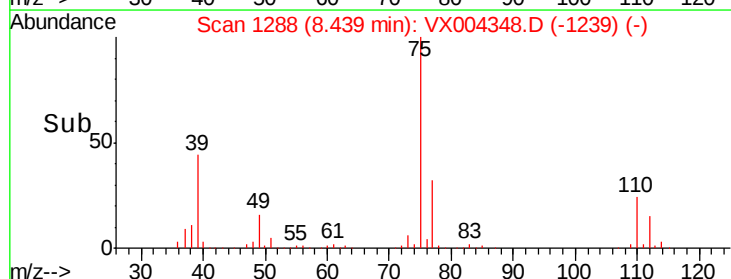
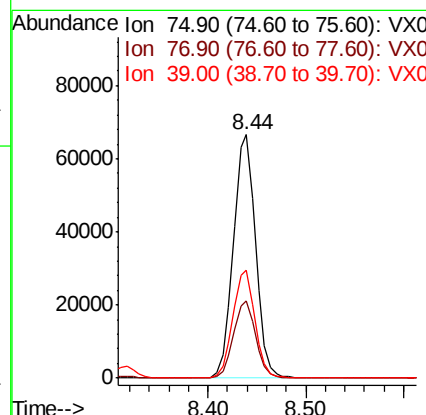
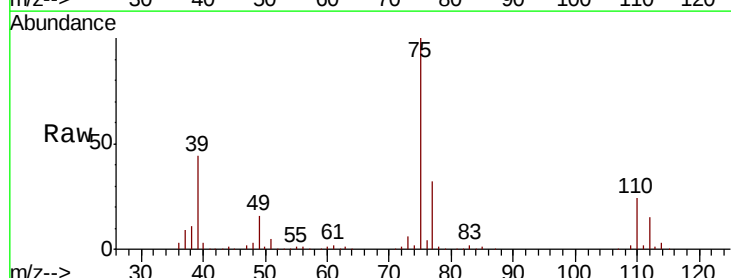
Manual Integrations
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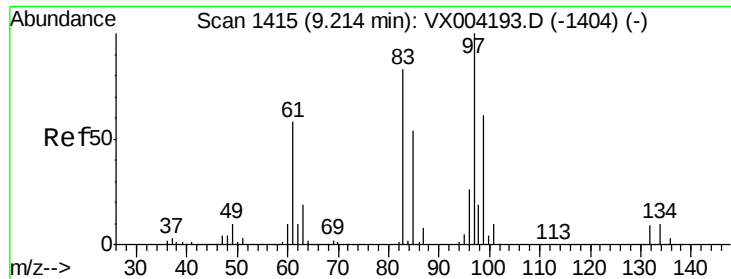
MMDadoda
 9/5/2018 4:52:23 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.34 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VX004348.D
 Acq: 04 Sep 2018 15:45

Tgt Ion: 75 Resp: 104849
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.2 39.2
 39 44.2 36.4 54.6





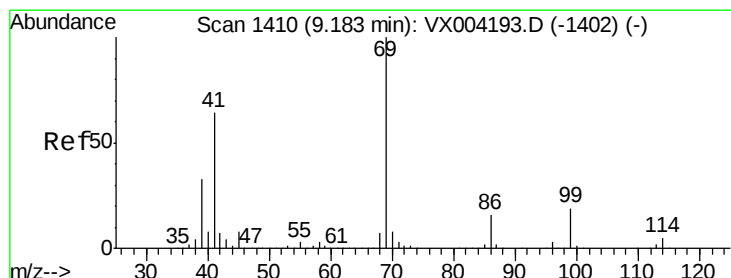
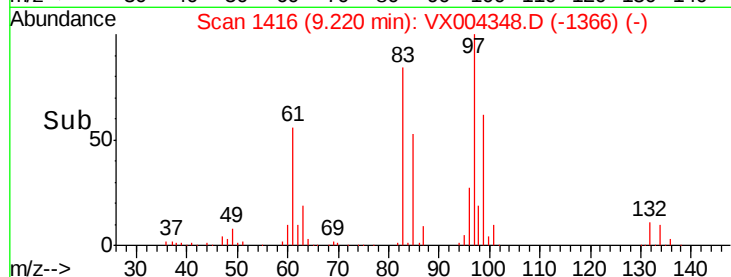
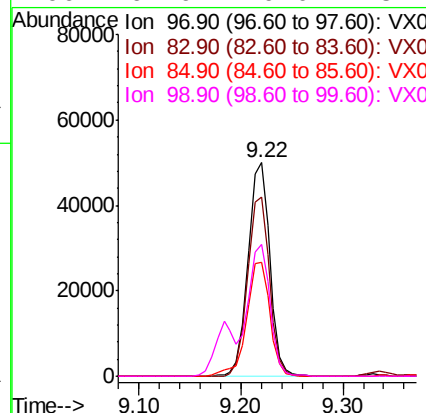
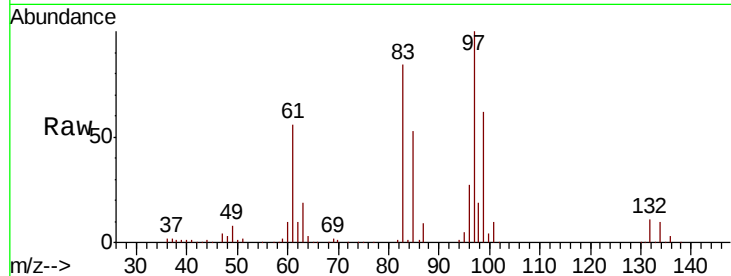
#55
1,1,2-Trichloroethane
Concen: 21.20 ug/l
RT: 9.22 min Scan# 1416
Delta R.T. 0.01 min
Lab File: VX004348.D
Acq: 04 Sep 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VX0904WBSD02

Tot Ion	97	Resp	74018
Ion	Ratio	Lower	Upper
97	100		
83	83.7	66.4	99.6
85	53.2	43.3	64.9
99	61.9	49.0	73.4

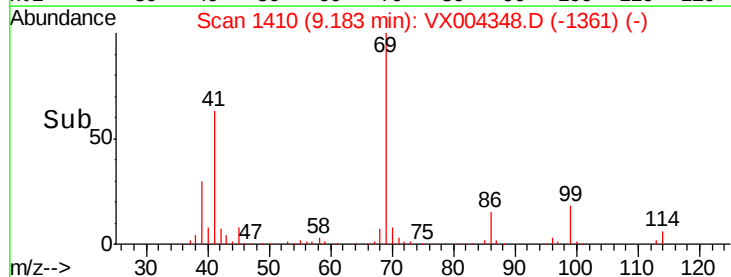
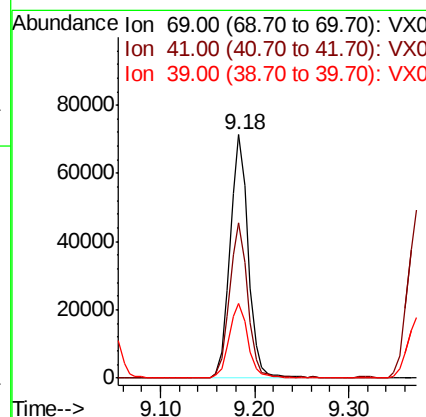
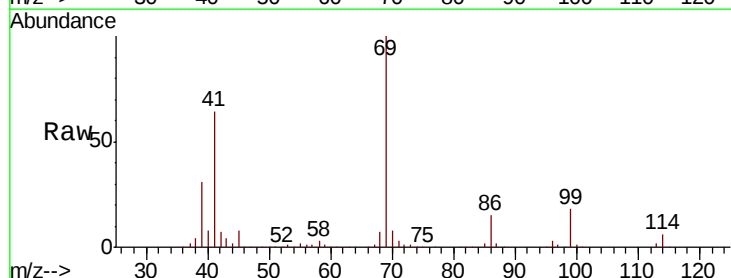
Manual Integrations
APPROVED

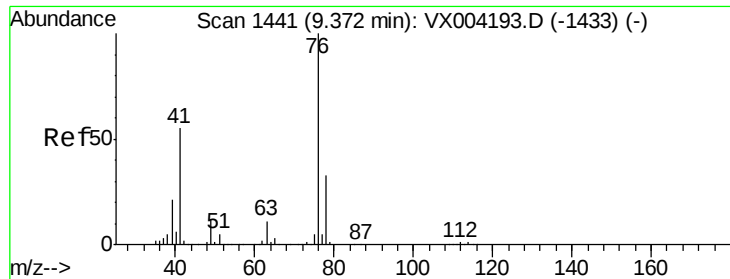
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#56
Ethyl methacrylate
Concen: 20.12 ug/l
RT: 9.18 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX004348.D
Acq: 04 Sep 2018 15:45

Tgt Ion	69	Resp	95636
Ion	Ratio	Lower	Upper
69	100		
41	63.4	51.0	76.4
39	31.5	26.1	39.1





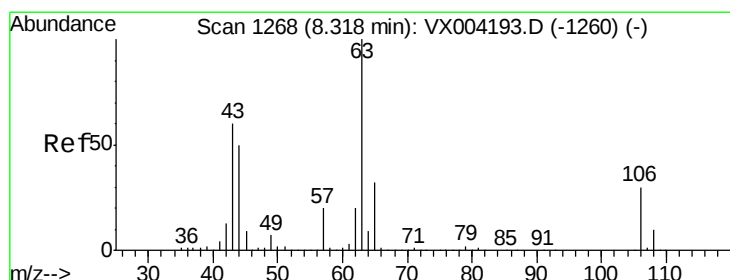
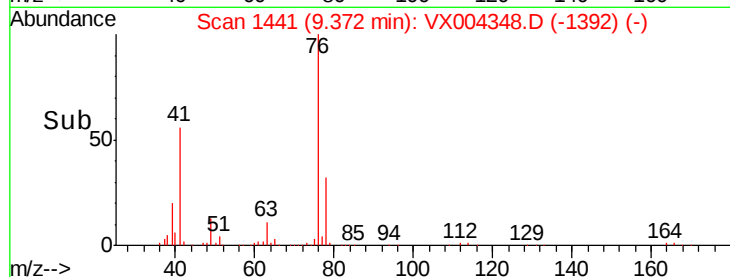
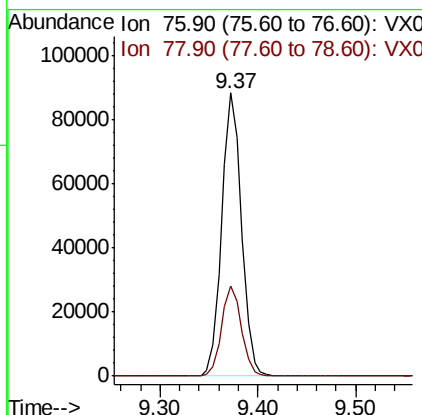
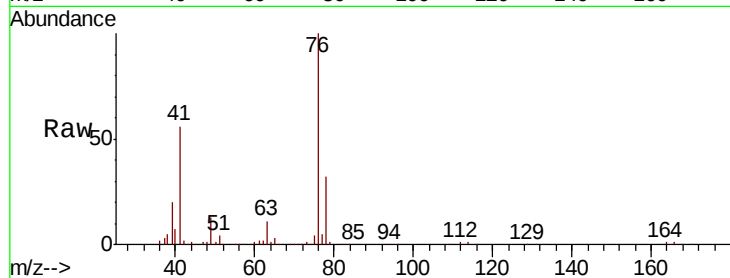
#57
 1,3-Dichloropropane
 Concen: 21.06 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004348.D
 Acq: 04 Sep 2018 15:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3

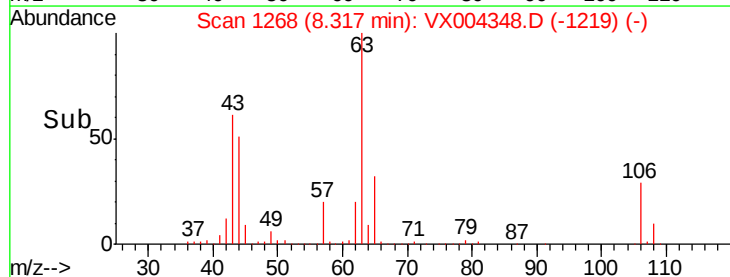
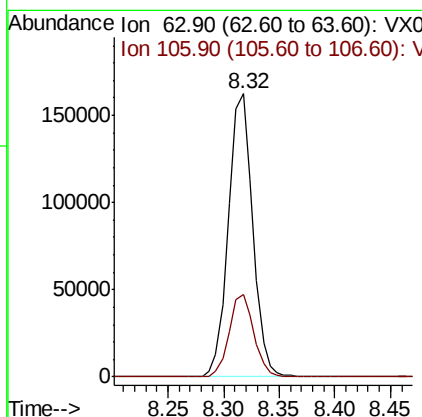
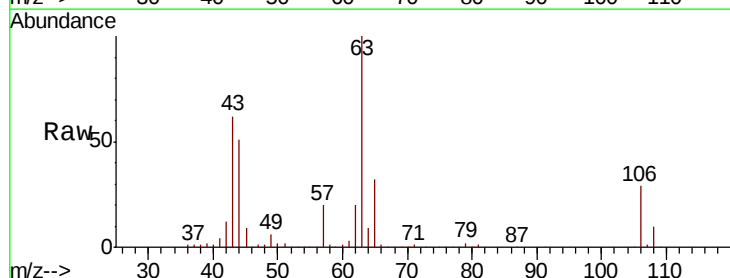
Manual Integrations
 APPROVED

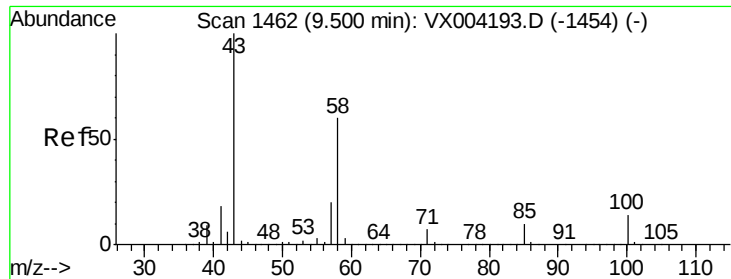
MMDadoda
 9/5/2018 4:52:23 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.26 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX004348.D
 Acq: 04 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.3	23.9	35.9





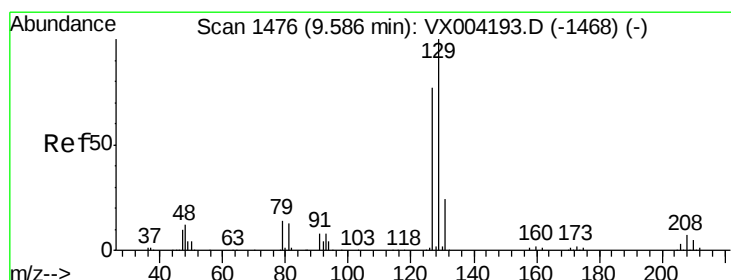
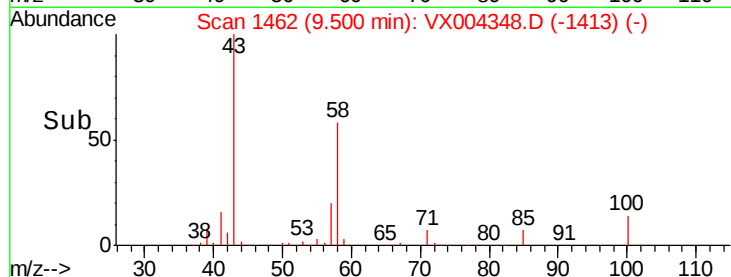
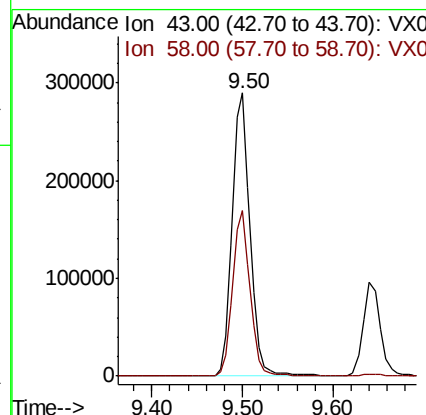
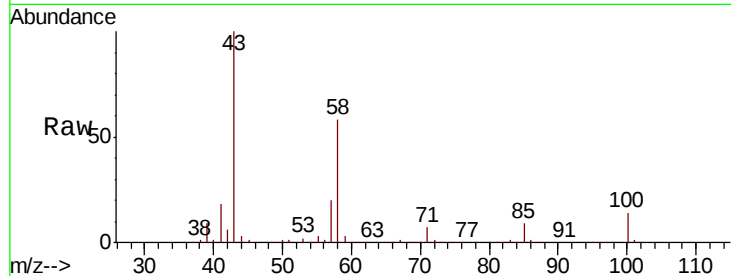
#59
2-Hexanone
Concen: 102.12 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004348.D
Acq: 04 Sep 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VX0904WBSD02

Tot Ion: 43 Resp: 395550
Ion Ratio Lower Upper
43 100
58 57.3 29.0 87.0

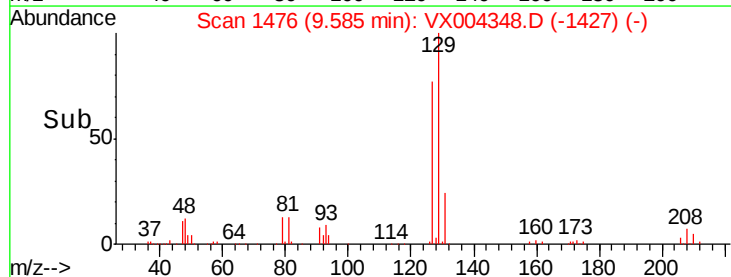
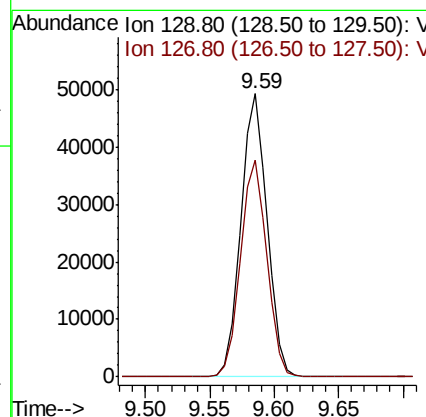
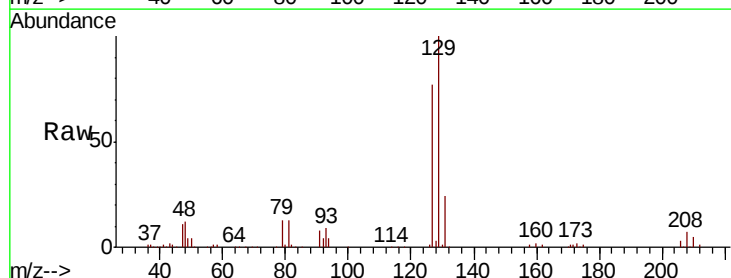
Manual Integrations
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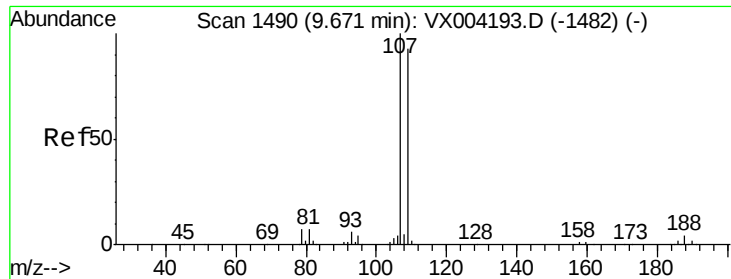
MMDadoda
9/5/2018 4:52:23 PM



#60
Dibromochloromethane
Concen: 20.38 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004348.D
Acq: 04 Sep 2018 15:45

Tgt Ion: 129 Resp: 69334
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.74 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.00 min

Lab File: VX004348.D

Acq: 04 Sep 2018 15:45

Instrument :

MSVOA_X

ClientSampleId :

VX0904WBSD02

Tot Ion:107 Resp: 74954

Ion Ratio Lower Upper

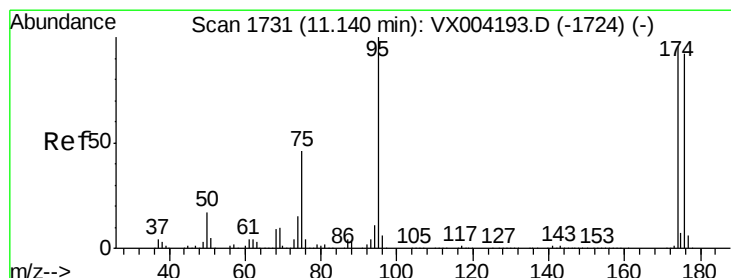
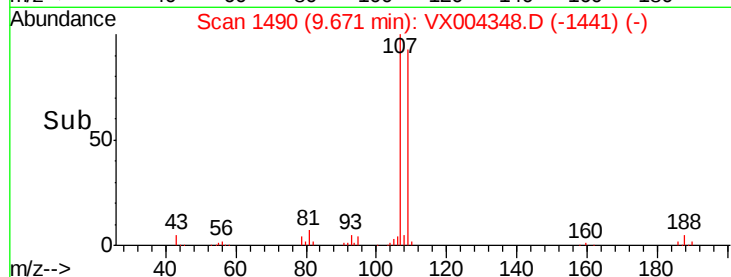
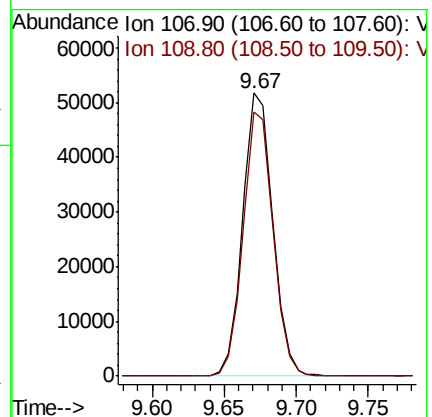
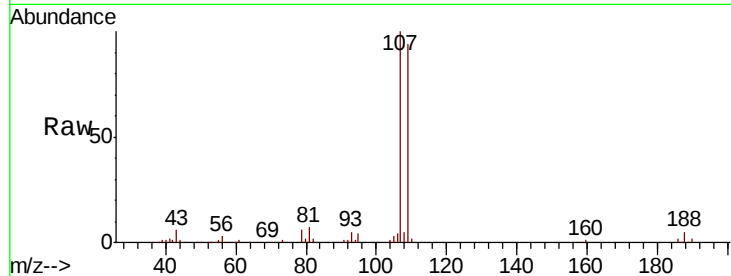
107 100

109 93.4 76.0 114.0

Manual Integrations
APPROVED

MMDadoda

9/5/2018 4:52:23 PM



#62

4-Bromofluorobenzene

Concen: 50.85 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004348.D

Acq: 04 Sep 2018 15:45

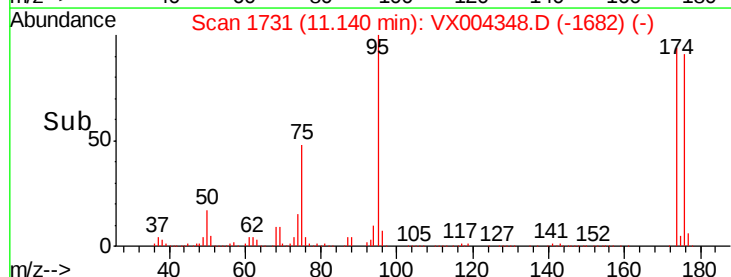
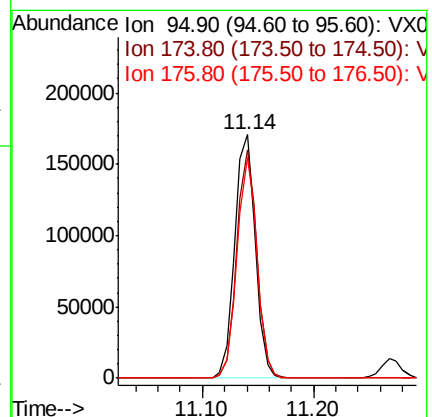
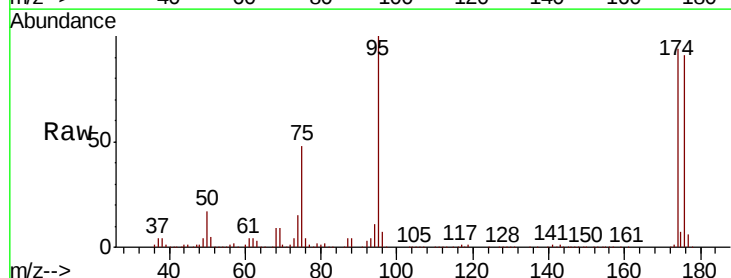
Tgt Ion: 95 Resp: 219140

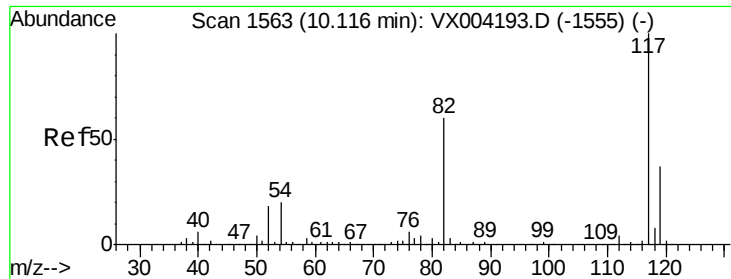
Ion Ratio Lower Upper

95 100

174 91.5 0.0 185.2

176 88.3 0.0 178.6





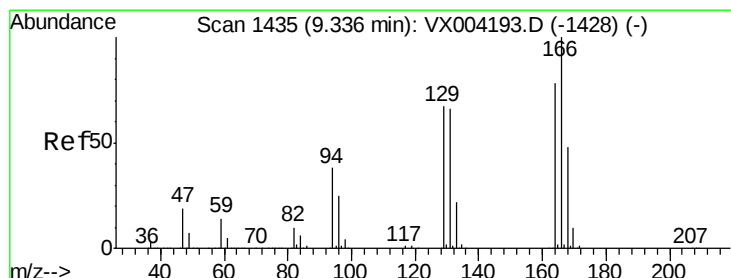
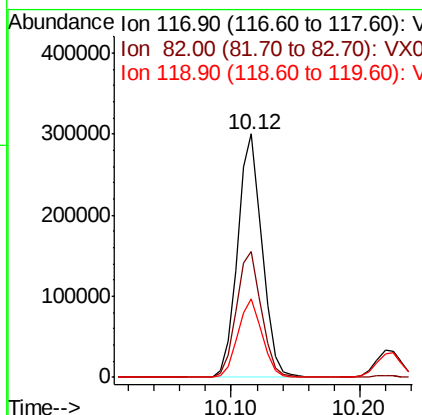
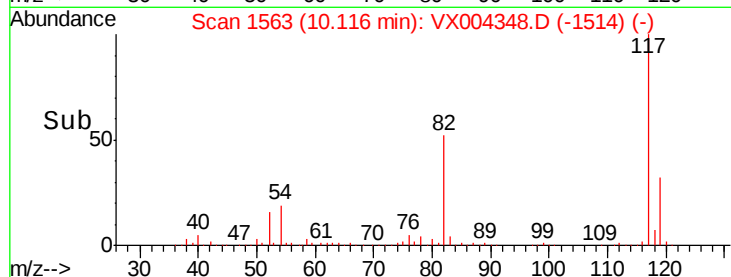
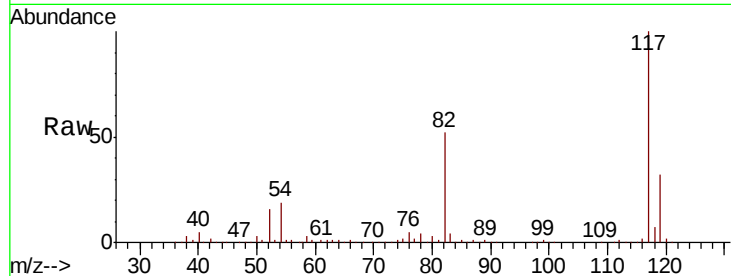
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004348.D
Acq: 04 Sep 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VX0904WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	395123		
82	51.9	47.8	71.6	
119	32.1	29.3	43.9	

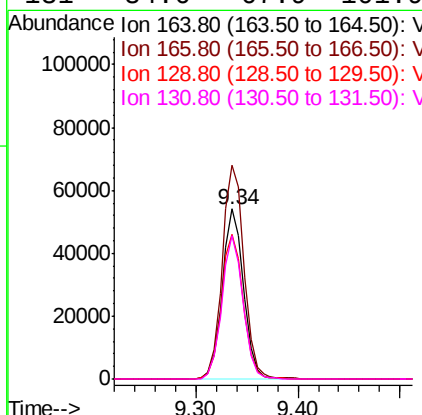
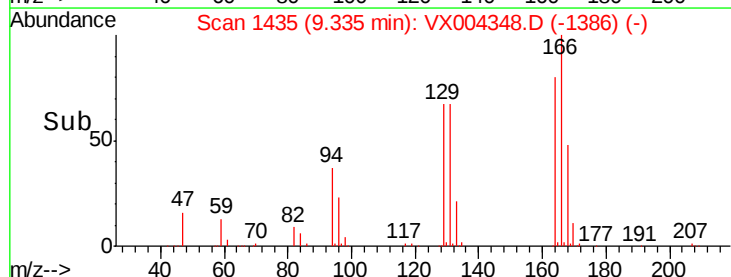
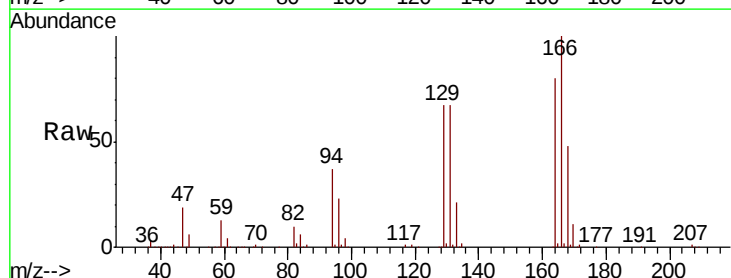
Manual Integrations
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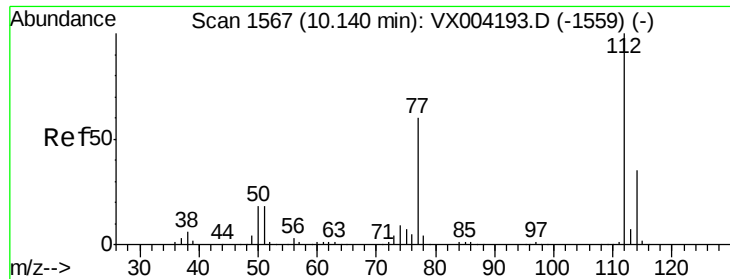
MMDadoda
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#64
Tetrachloroethene
Concen: 20.13 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004348.D
Acq: 04 Sep 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	78579		
166	125.7	102.8	154.2	
129	84.9	69.4	104.0	
131	84.6	67.9	101.9	





#65

Chlorobenzene

Concen: 19.61 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX004348.D

Acq: 04 Sep 2018 15:45

Instrument :

MSVOA_X

ClientSampleId :

VX0904WBSD02

Tot Ion:112 Resp: 194474

Ion Ratio Lower Upper

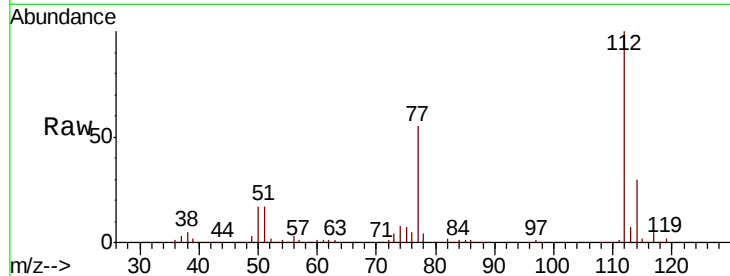
112 100

114 30.2 27.8 41.8

Manual Integrations
APPROVED

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

150000

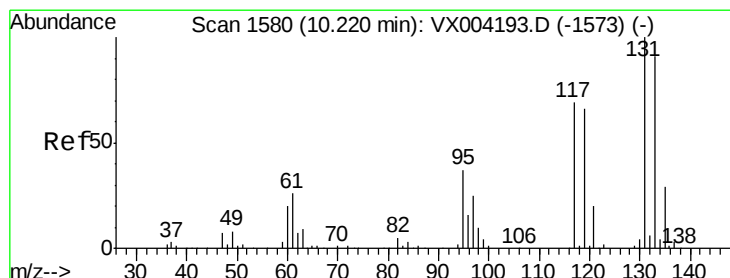
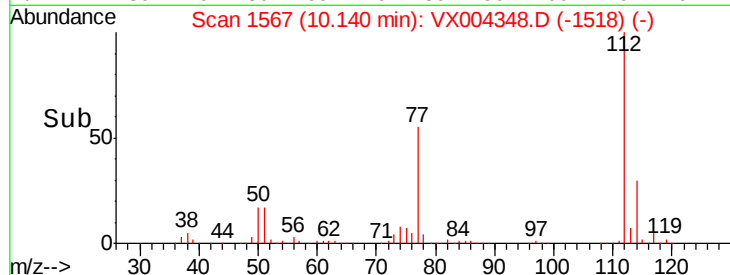
100000

50000

0

10.10 10.20 10.30

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.94 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.01 min

Lab File: VX004348.D

Acq: 04 Sep 2018 15:45

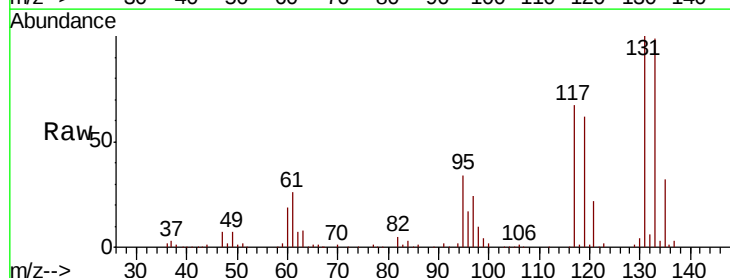
Tgt Ion:131 Resp: 68208

Ion Ratio Lower Upper

131 100

133 95.5 48.1 144.4

119 62.5 32.9 98.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.23

60000

50000

40000

30000

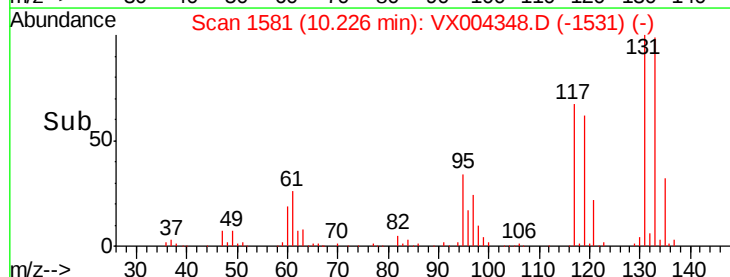
20000

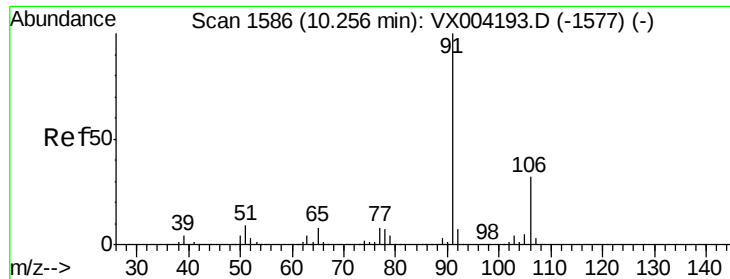
10000

0

10.15 10.20 10.25 10.30

Time-->





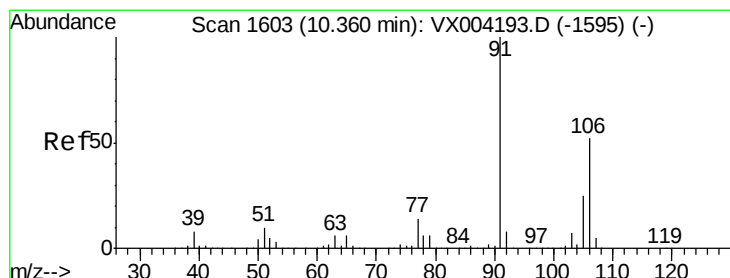
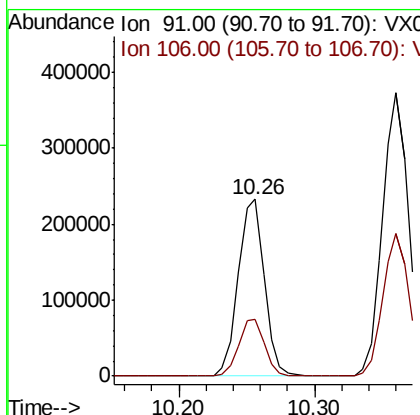
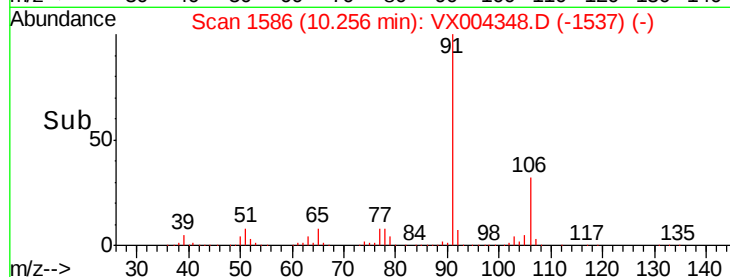
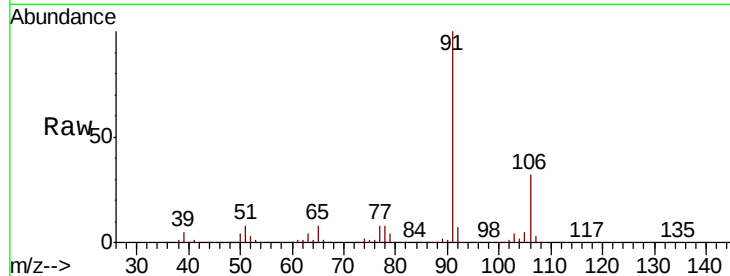
#67
Ethyl Benzene
Concen: 19.32 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX004348.D
Acq: 04 Sep 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VX0904WBSD02

Tot Ion: 91 Resp: 311094
Ion Ratio Lower Upper
91 100
106 31.9 25.9 38.9

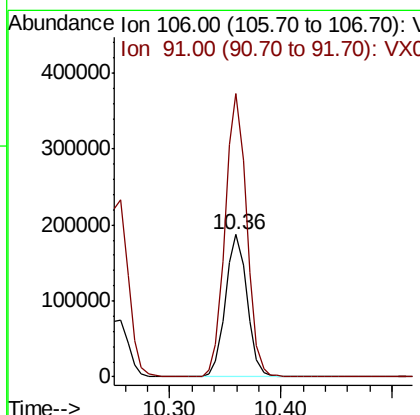
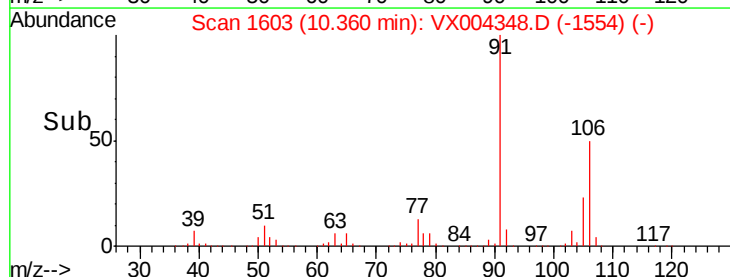
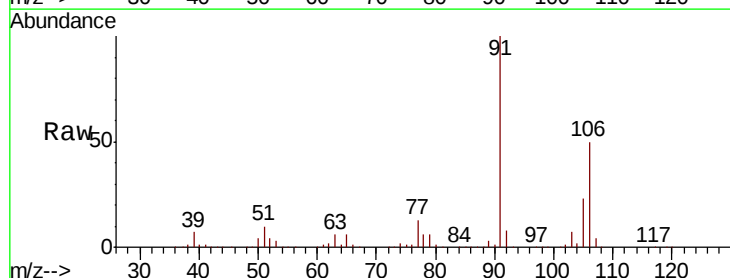
Manual Integrations
APPROVED

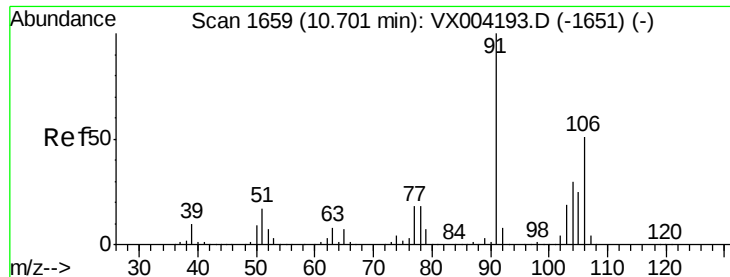
MMDadoda
9/5/2018 4:52:23 PM



#68
m/p-Xylenes
Concen: 40.03 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004348.D
Acq: 04 Sep 2018 15:45

Tgt Ion: 106 Resp: 252096
Ion Ratio Lower Upper
106 100
91 198.2 157.1 235.7





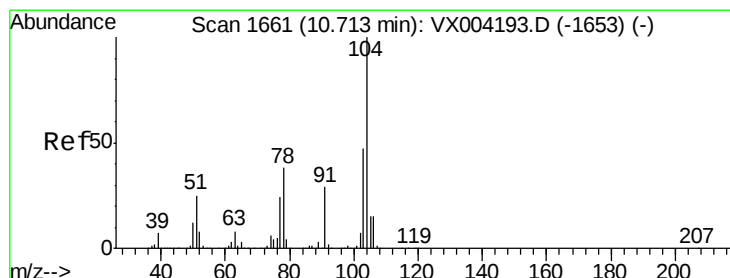
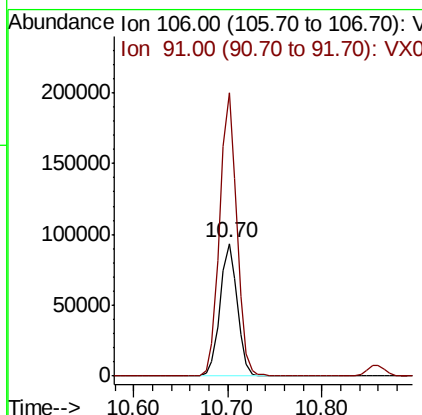
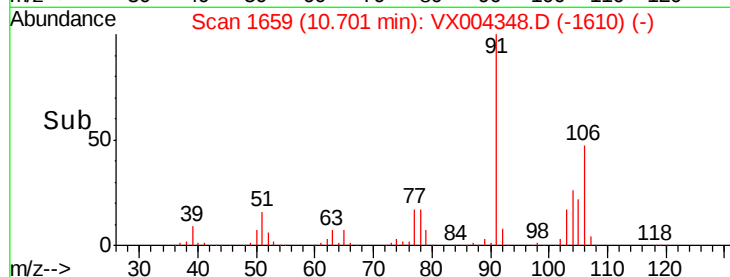
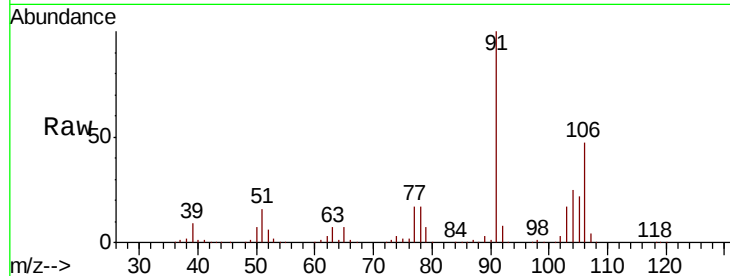
#69
o-Xylene
Concen: 20.00 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004348.D
Acq: 04 Sep 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VX0904WBSD02

Tot Ion:106 Resp: 119105
Ion Ratio Lower Upper
106 100
91 211.7 105.1 315.1

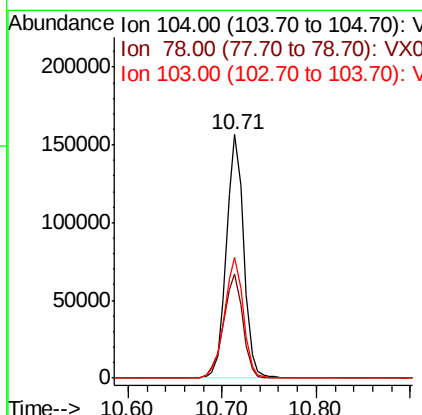
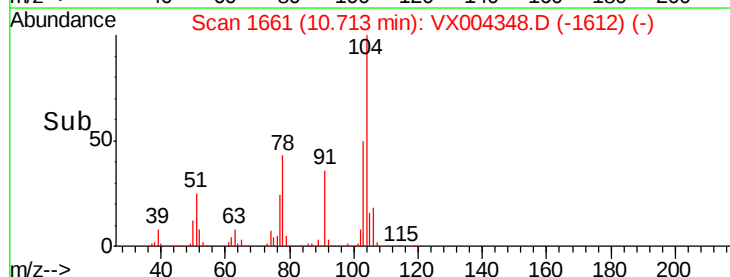
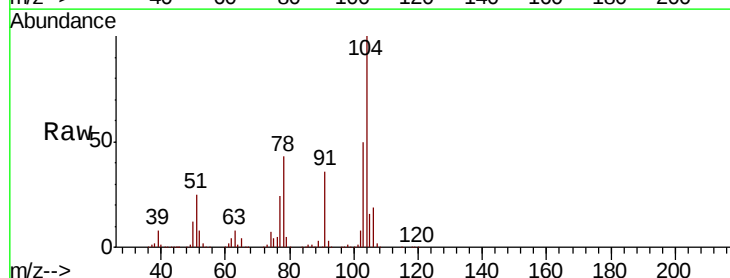
Manual Integrations
APPROVED

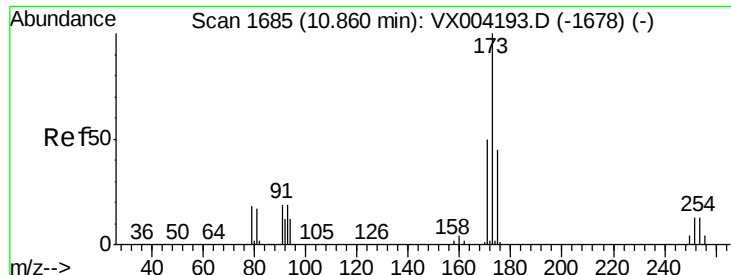
MMDadoda
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#70
Styrene
Concen: 20.74 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004348.D
Acq: 04 Sep 2018 15:45

Tgt Ion:104 Resp: 199994
Ion Ratio Lower Upper
104 100
78 47.8 37.4 56.0
103 54.6 43.8 65.6





#71

Bromoform

Concen: 19.28 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004348.D

Acq: 04 Sep 2018 15:45

Instrument :

MSVOA_X

ClientSampleId :

VX0904WBSD02

Tot Ion:173 Resp: 53156

Ion Ratio Lower Upper

173 100

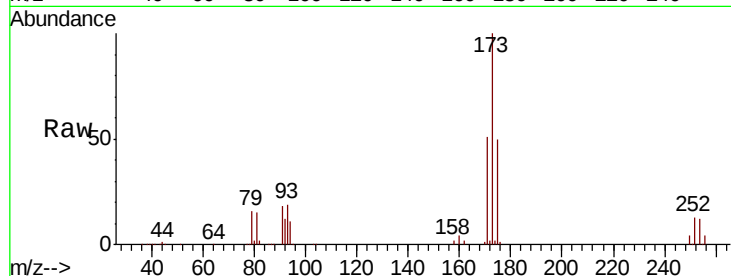
175 49.5 24.1 72.3

254 0.1 0.2 0.2#

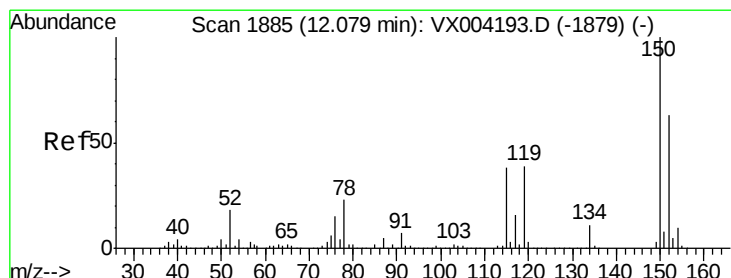
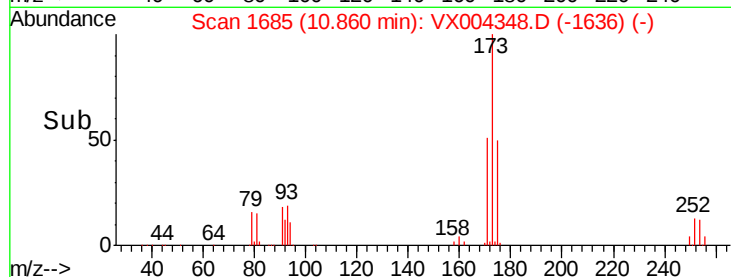
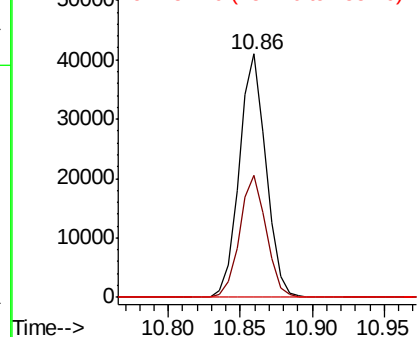
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004348.D

Acq: 04 Sep 2018 15:45

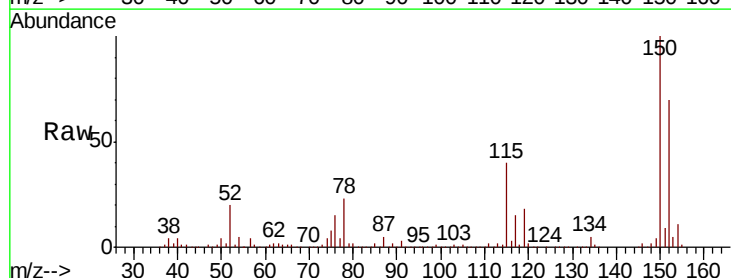
Tgt Ion:152 Resp: 230877

Ion Ratio Lower Upper

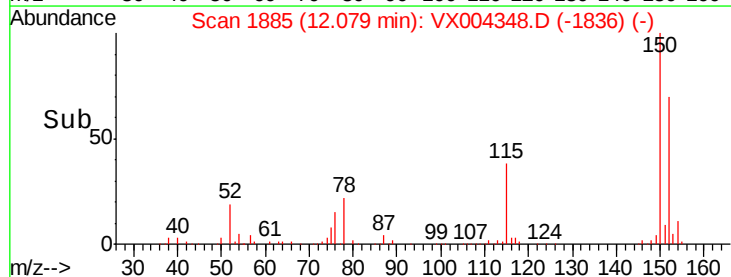
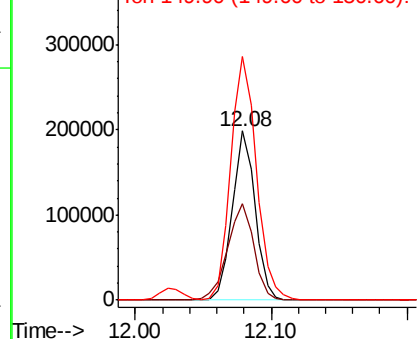
152 100

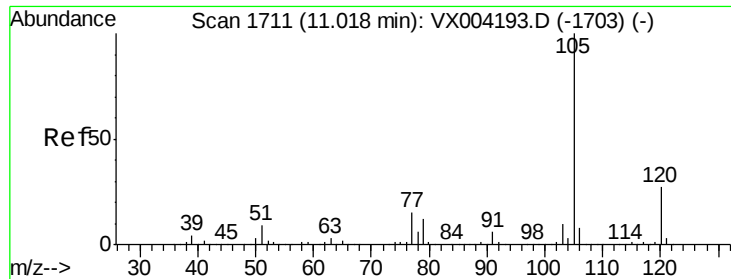
115 65.5 39.0 117.0

150 162.4 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.56 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004348.D

Acq: 04 Sep 2018 15:45

Instrument :

MSVOA_X

ClientSampleId :

VX0904WBSD02

Tot Ion: 105 Resp: 326916

Ion Ratio Lower Upper

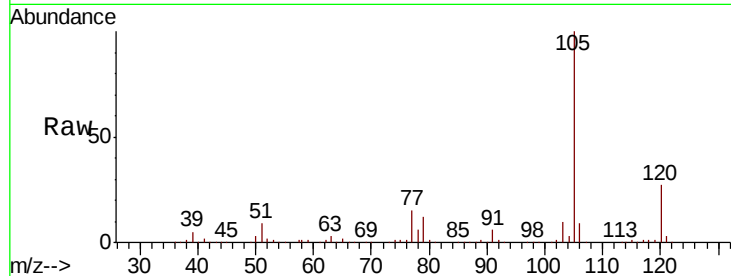
105 100

120 27.1 13.5 40.4

Manual Integrations
APPROVED

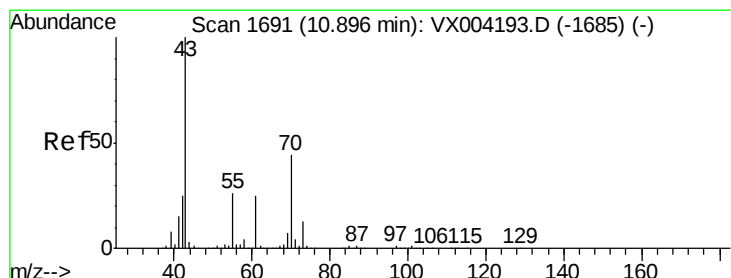
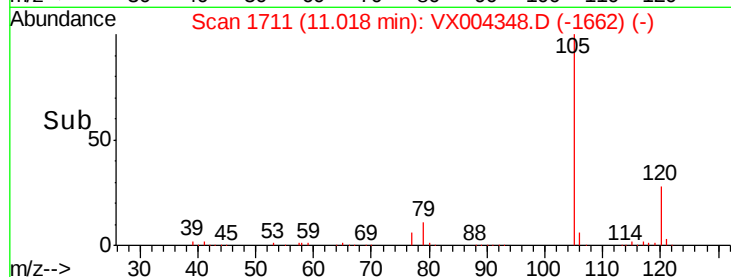
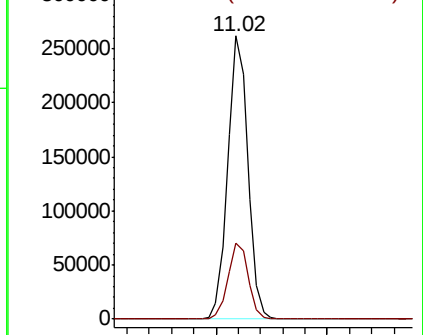
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.00 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004348.D

Acq: 04 Sep 2018 15:45

Tgt Ion: 43 Resp: 116779

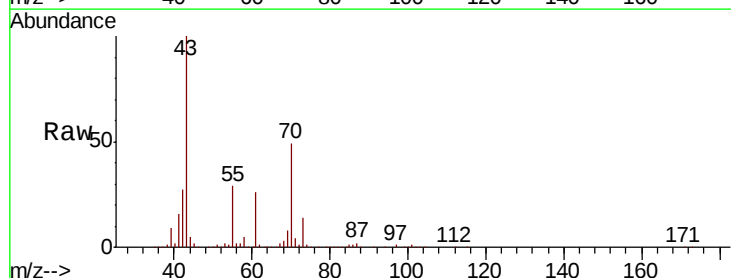
Ion Ratio Lower Upper

43 100

70 47.0 37.4 56.0

55 28.9 21.8 32.8

61 25.3 20.6 30.8

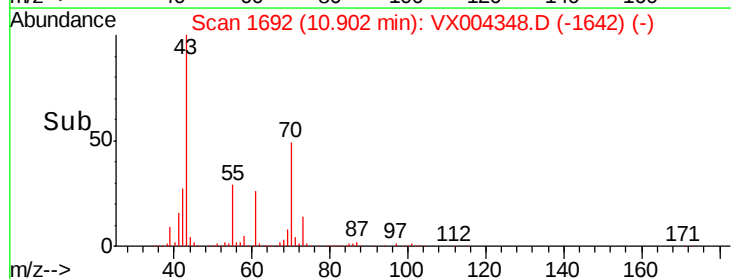
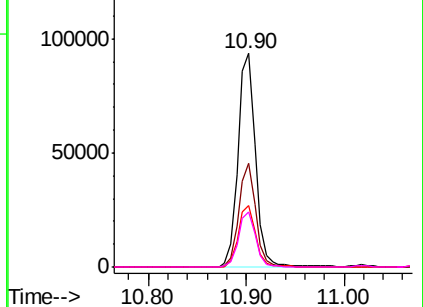


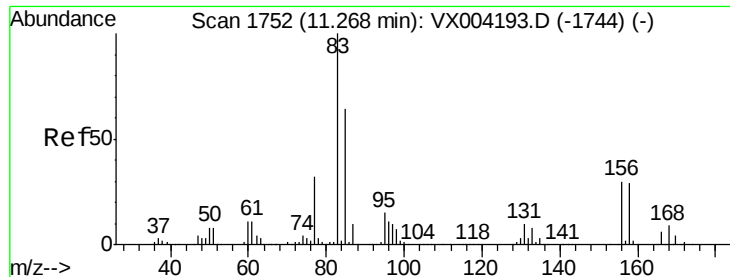
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.29 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004348.D

Acq: 04 Sep 2018 15:45

Instrument :

MSVOA_X

ClientSampleId :

VX0904WBSD02

Tot Ion: 83 Resp: 112989

Ion Ratio Lower Upper

83 100

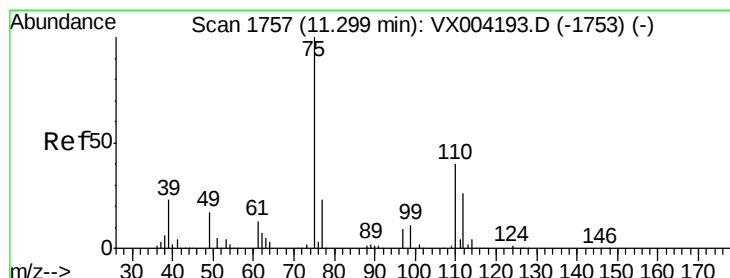
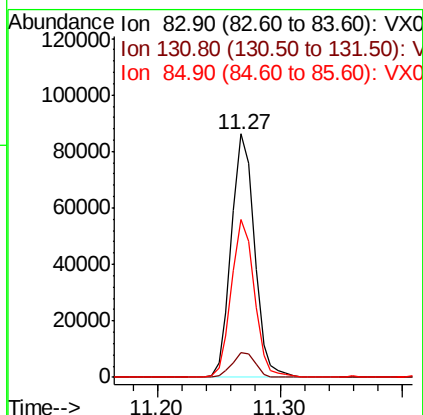
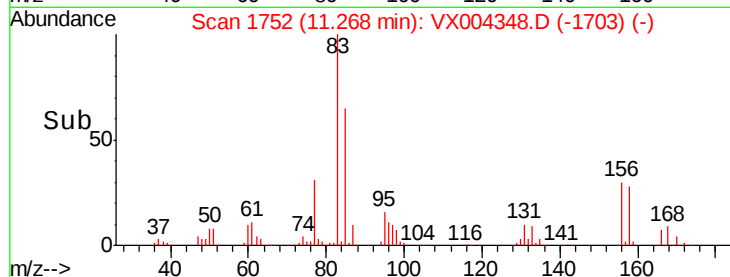
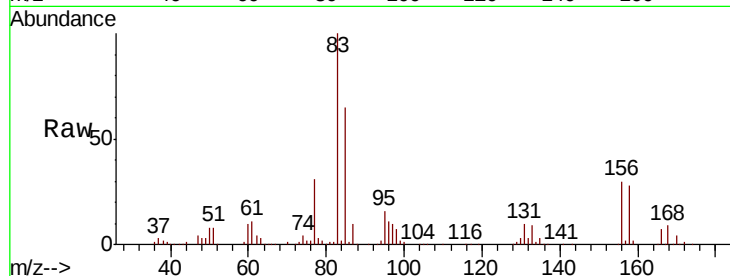
131 10.3 5.2 15.6

85 64.4 32.3 96.8

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#76

1,2,3-Trichloropropane

Concen: 21.75 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004348.D

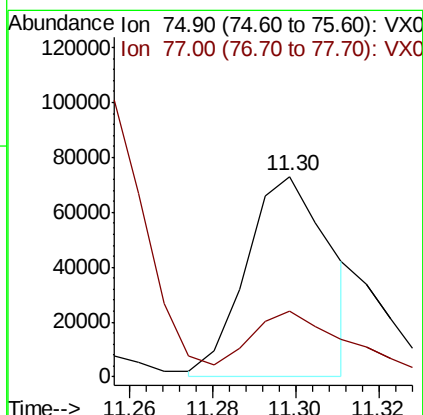
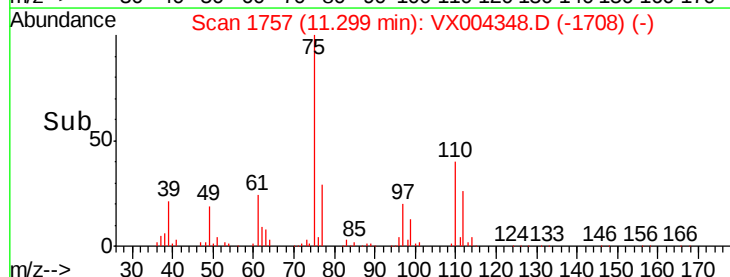
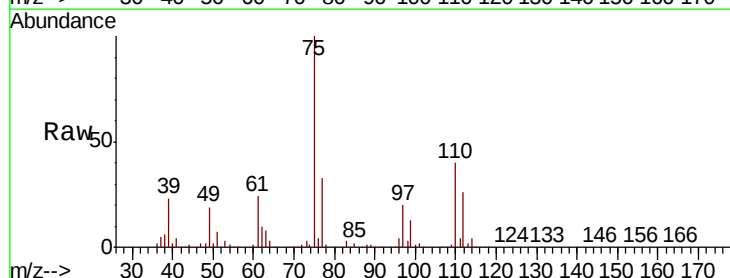
Acq: 04 Sep 2018 15:45

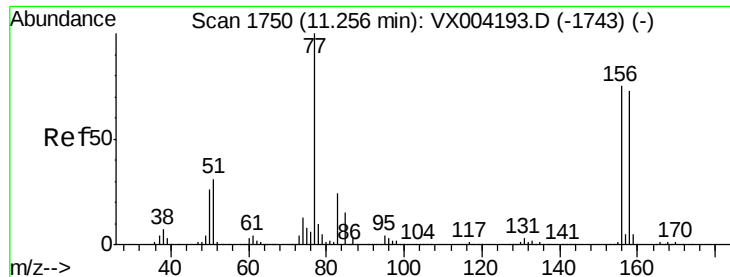
Tgt Ion: 75 Resp: 102109

Ion Ratio Lower Upper

75 100

77 38.8 20.2 60.6





#77

Bromobenzene

Concen: 20.86 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004348.D

Acq: 04 Sep 2018 15:45

Instrument :

MSVOA_X

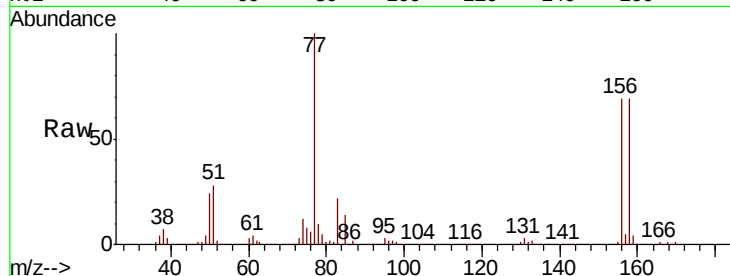
ClientSampleId :

VX0904WBSD02

Tot Ion:	156	Resp:	88718
Ion	Ratio	Lower	Upper
156	100		
77	145.9	71.5	214.3
158	97.8	48.9	146.8

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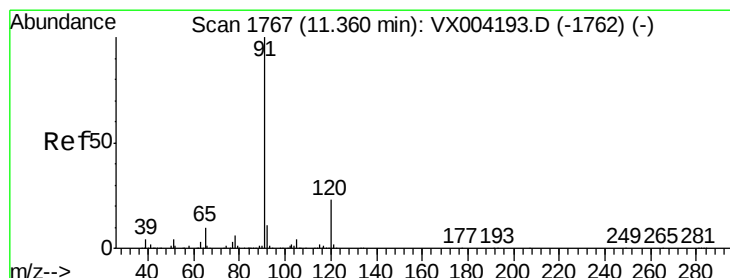
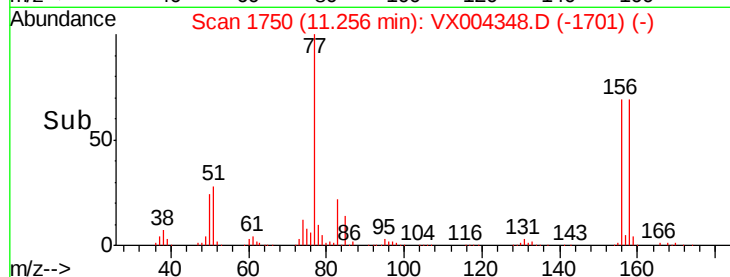
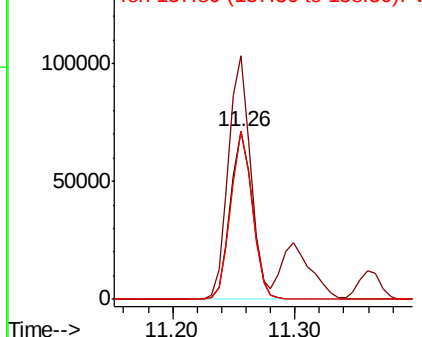
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.39 ug/l

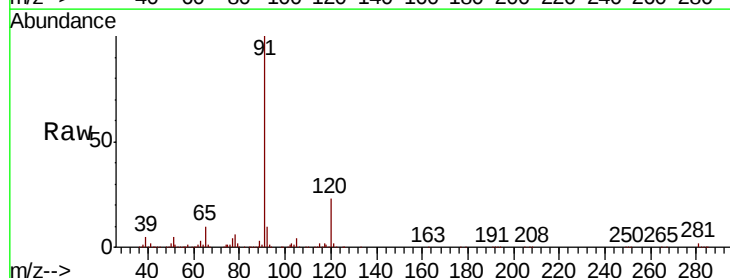
RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004348.D

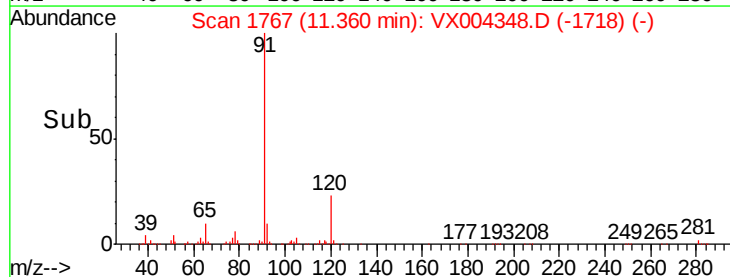
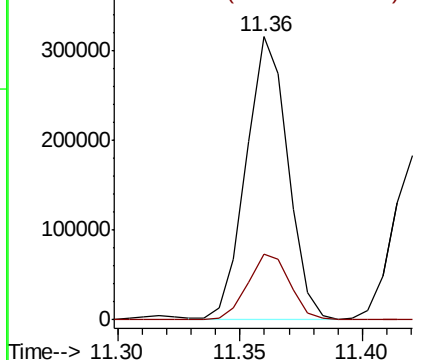
Acq: 04 Sep 2018 15:45

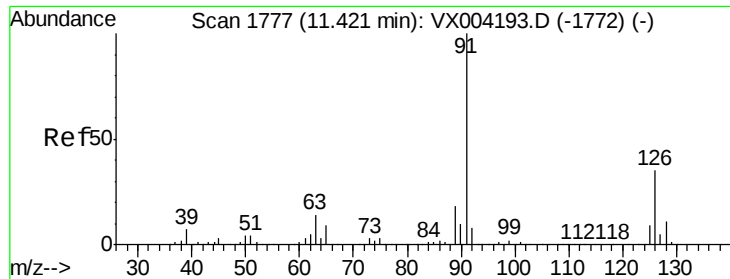
Tgt Ion:	91	Resp:	373109
Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





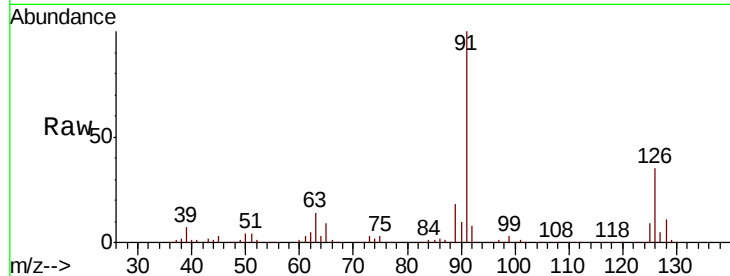
#79
 2-Chlorotoluene
 Concen: 20.98 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. -0.00 min
 Lab File: VX004348.D
 Acq: 04 Sep 2018 15:45

Instrument :
 MSVOA_X
 ClientSampled :
 VX0904WBSD02

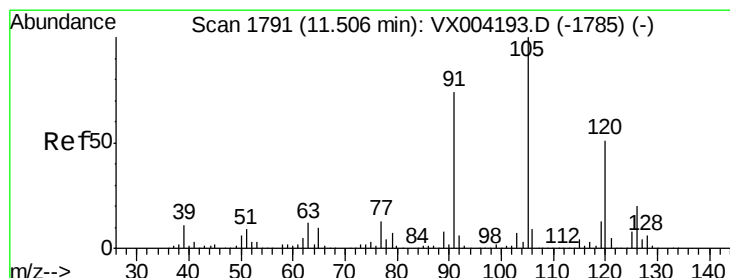
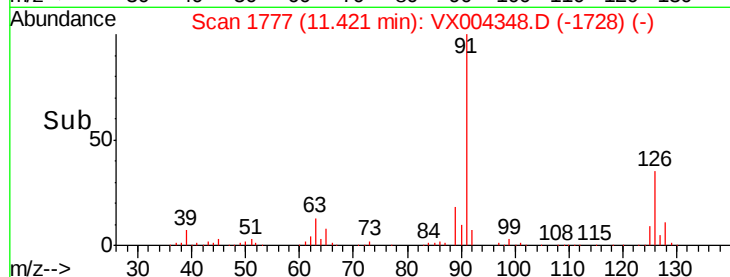
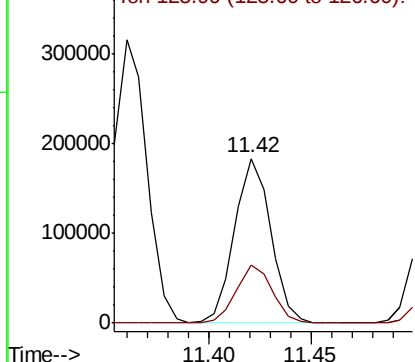
Tot Ion: 91 Resp: 225249
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.9 53.7

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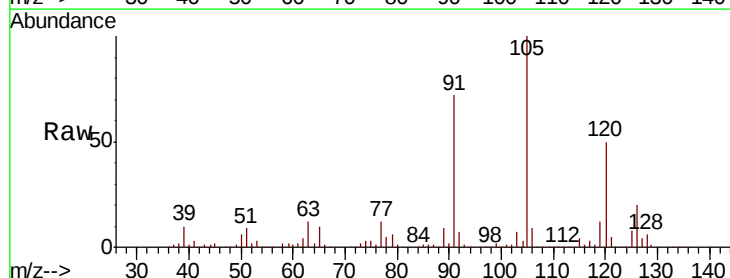


Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 125.90 (125.60 to 126.60): V

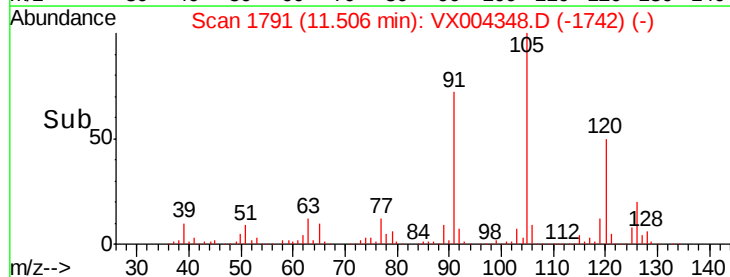
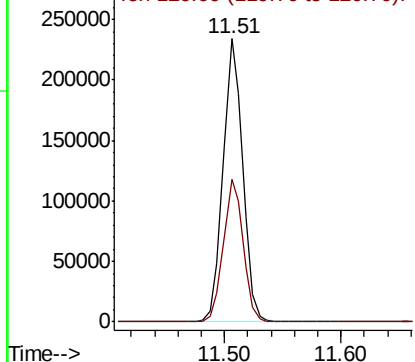


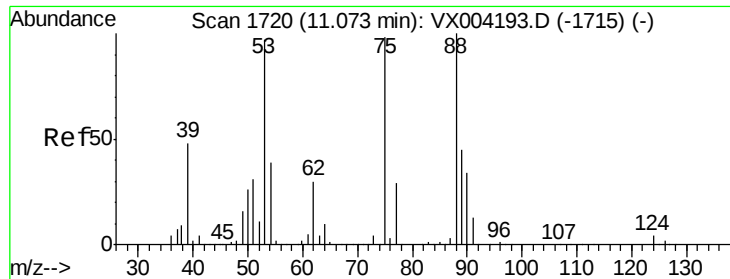
#80
 1,3,5-Trimethylbenzene
 Concen: 21.62 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX004348.D
 Acq: 04 Sep 2018 15:45

Tgt Ion:105 Resp: 271441
 Ion Ratio Lower Upper
 105 100
 120 51.0 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.72 ug/l

RT: 11.07 min Scan# 1720

Delta R.T. -0.00 min

Lab File: VX004348.D

Acq: 04 Sep 2018 15:45

Instrument :

MSVOA_X

ClientSampled :

VX0904WBSD02

Tot Ion: 75 Resp: 28535

Ion Ratio Lower Upper

75 100

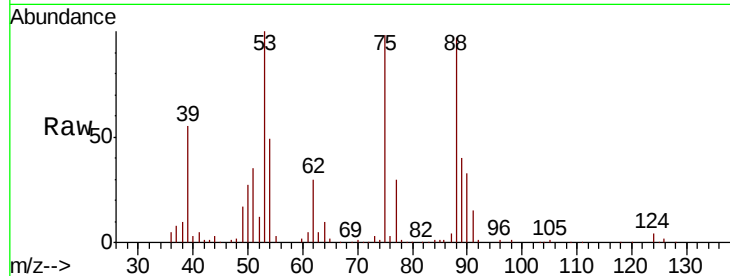
53 103.2 80.1 120.1

89 45.4 37.2 55.8

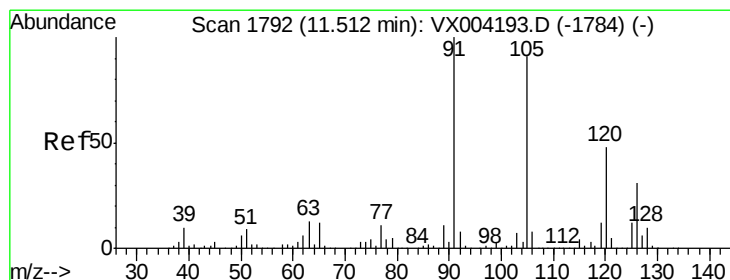
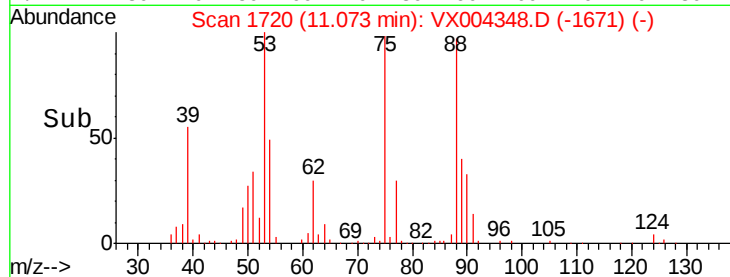
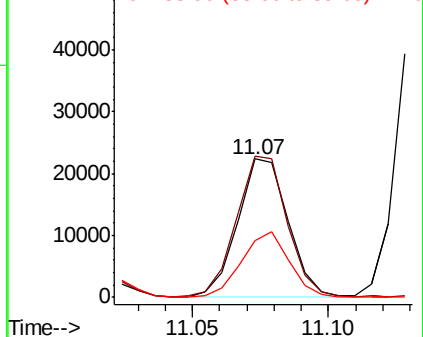
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 20.64 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004348.D

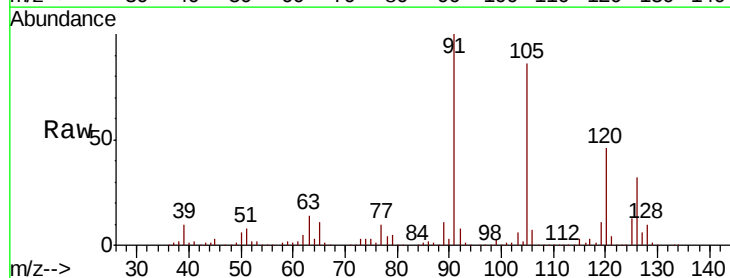
Acq: 04 Sep 2018 15:45

Tgt Ion: 91 Resp: 260772

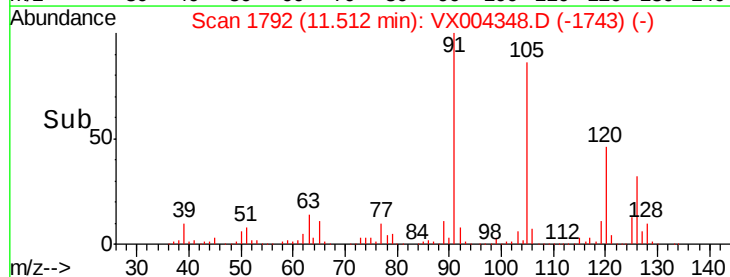
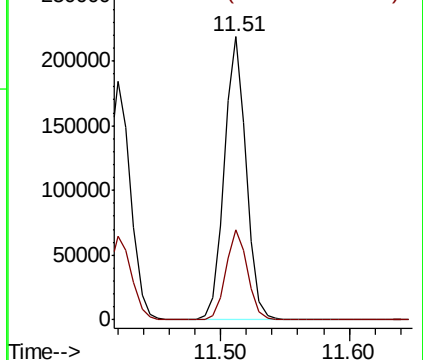
Ion Ratio Lower Upper

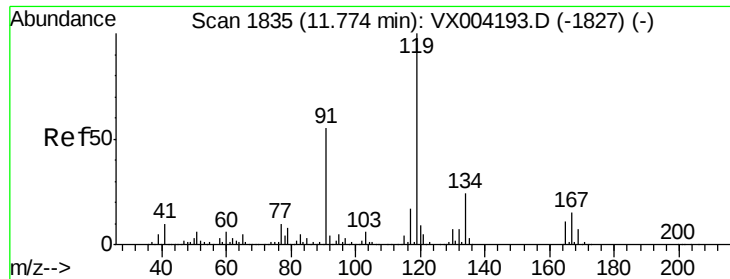
91 100

126 31.7 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





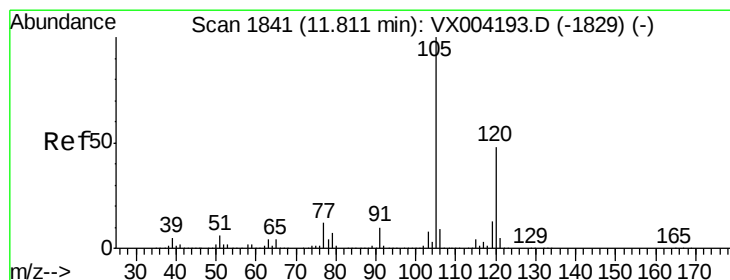
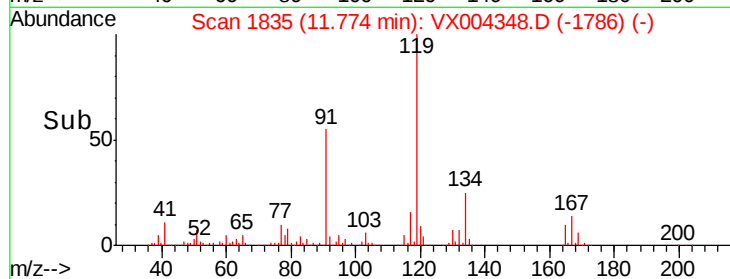
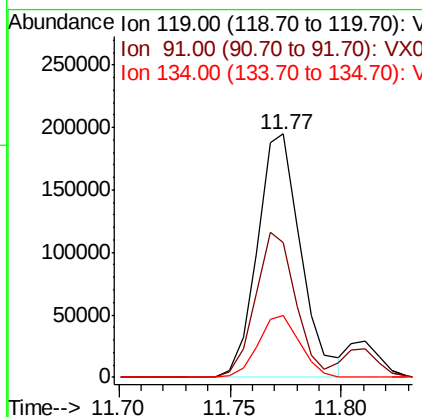
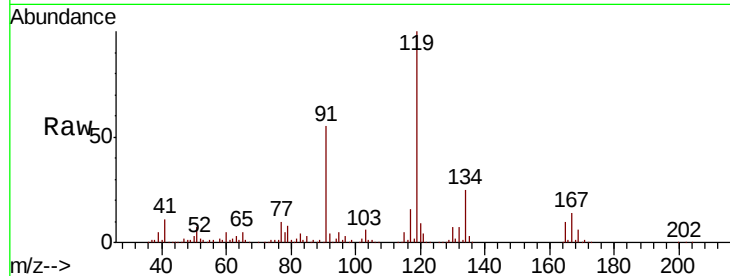
#83
 tert-Butylbenzene
 Concen: 20.91 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004348.D
 Acq: 04 Sep 2018 15:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.4	27.0	81.0
134	24.6	11.7	35.1

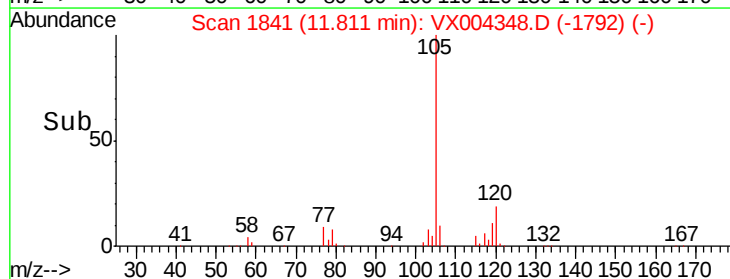
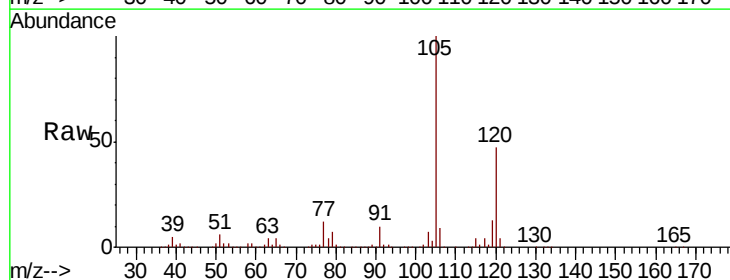
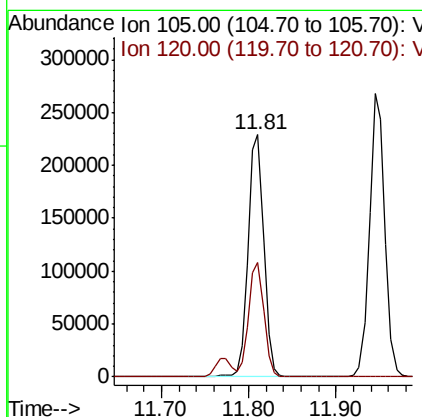
Manual Integrations
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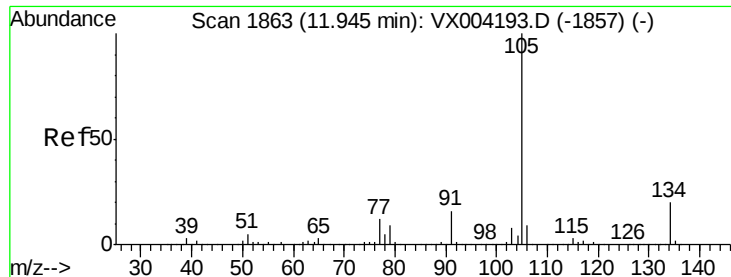
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.91 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004348.D
 Acq: 04 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.2	69.6





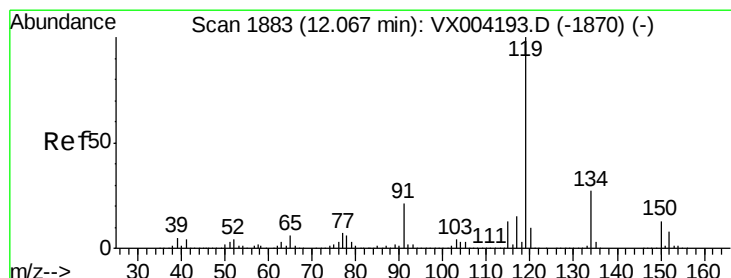
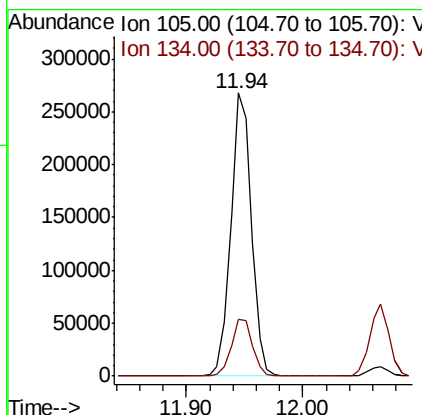
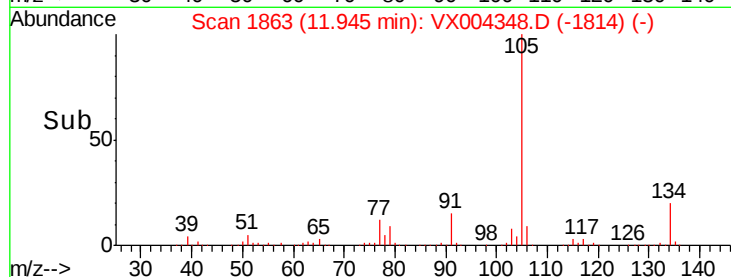
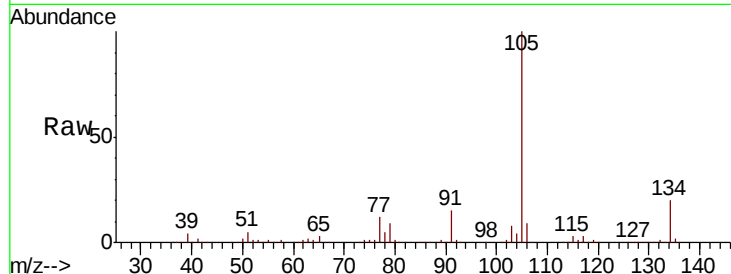
#85
 sec-Butylbenzene
 Concen: 21.89 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VX004348.D
 Acq: 04 Sep 2018 15:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904WBSD02

Tot Ion:105 Resp: 328306
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.5 31.5

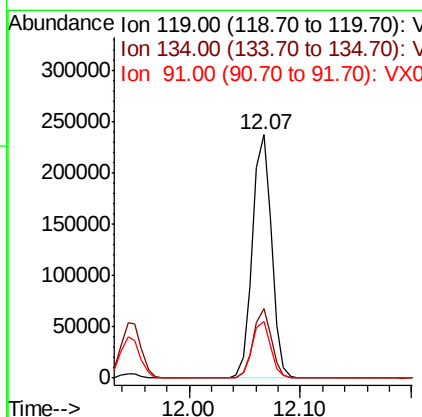
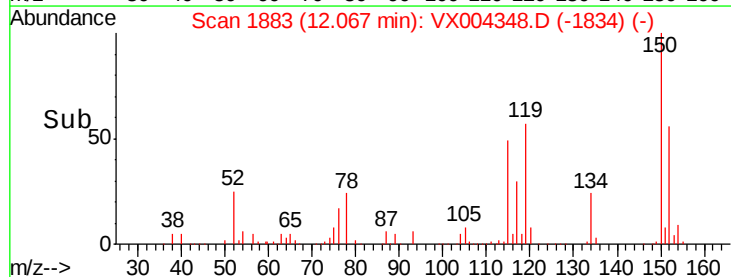
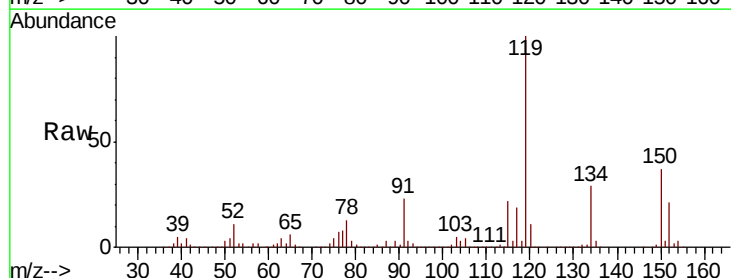
Manual Integrations
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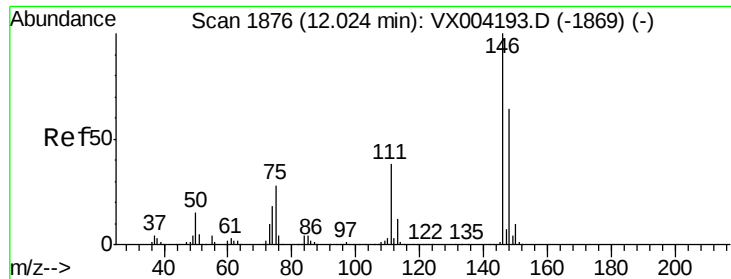
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#86
 p-Isopropyltoluene
 Concen: 21.26 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004348.D
 Acq: 04 Sep 2018 15:45

Tgt Ion:119 Resp: 285729
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.4 40.2
 91 22.7 10.9 32.7





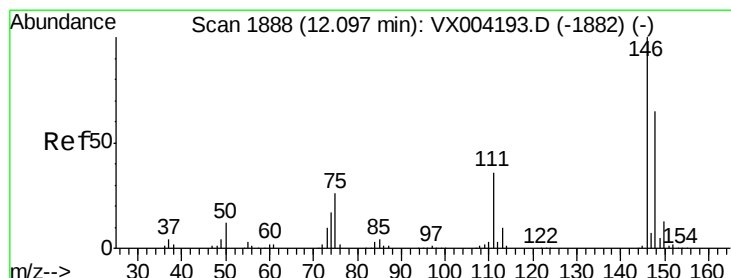
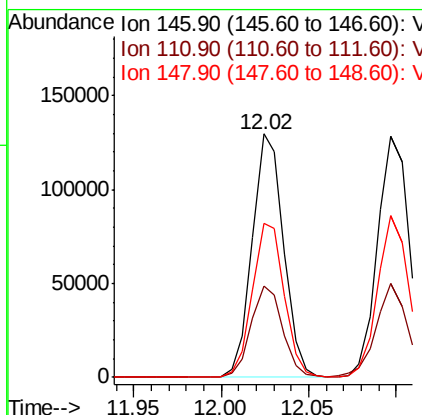
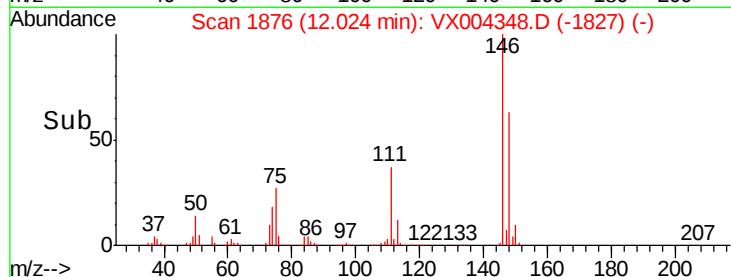
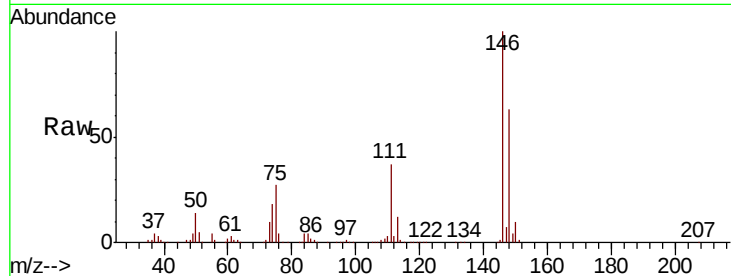
#87
 1,3-Dichlorobenzene
 Concen: 20.20 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004348.D
 Acq: 04 Sep 2018 15:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.7	56.1
148	64.5	32.1	96.5

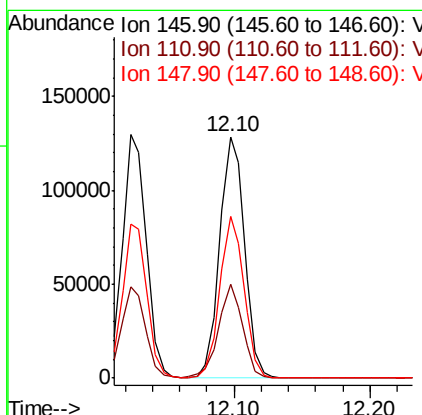
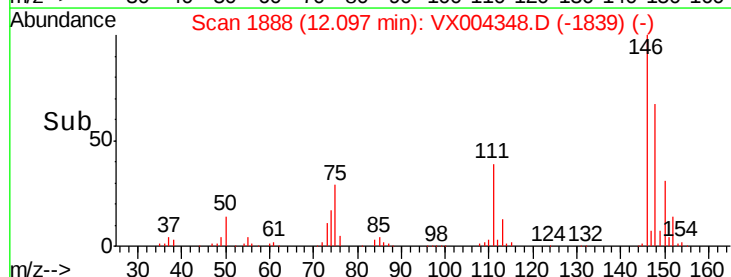
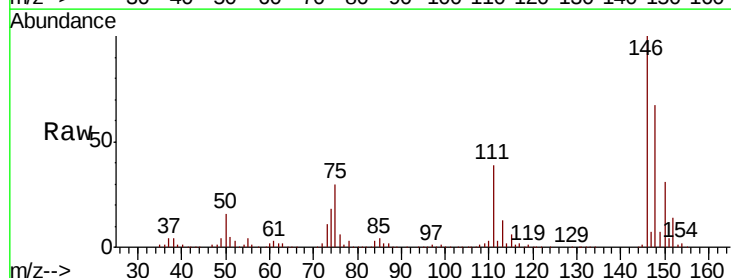
Manual Integrations
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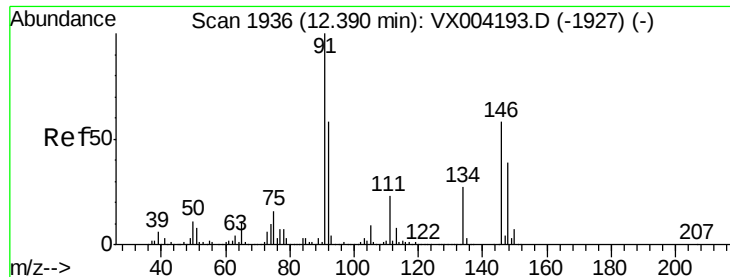
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#88
 1,4-Dichlorobenzene
 Concen: 19.24 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004348.D
 Acq: 04 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.1	54.1
148	65.5	32.0	96.0





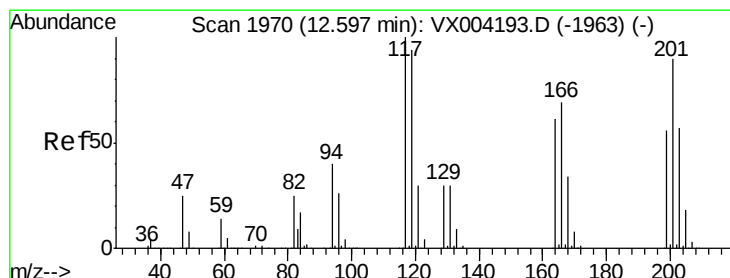
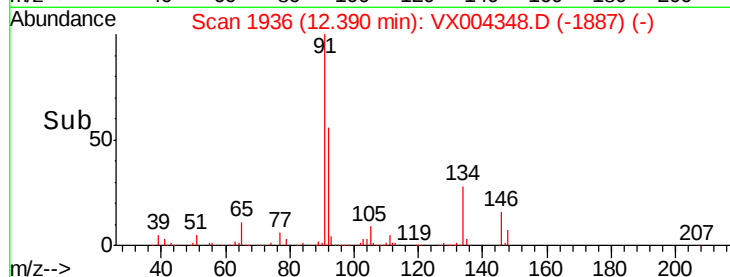
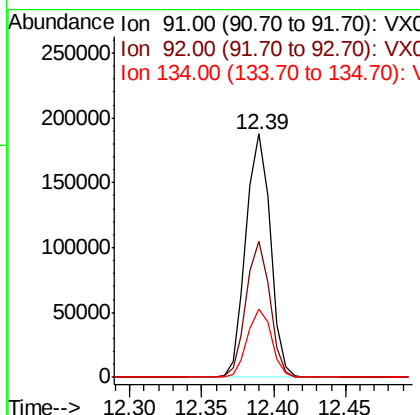
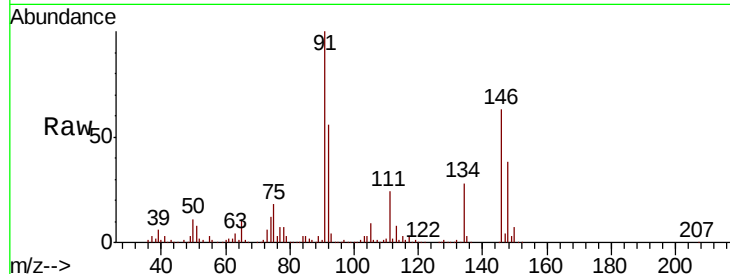
#89
n-Butylbenzene
Concen: 20.28 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004348.D
Acq: 04 Sep 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VX0904WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.3	81.9
134	27.6	13.6	40.7

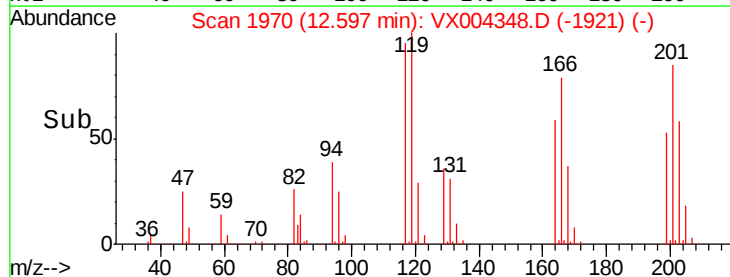
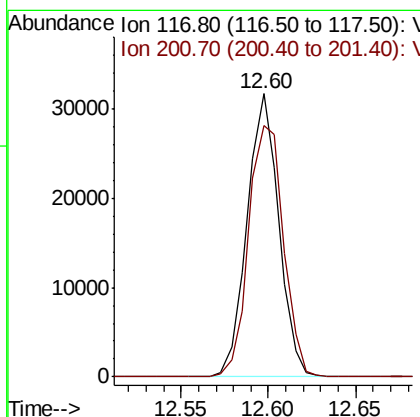
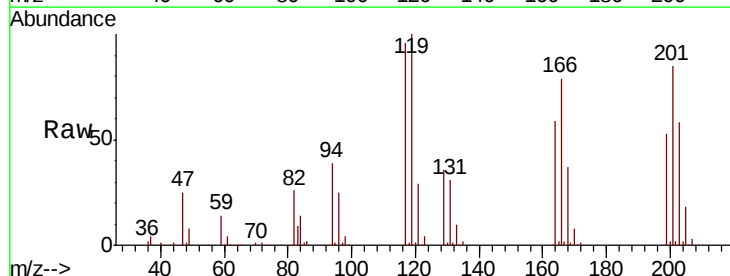
Manual Integrations
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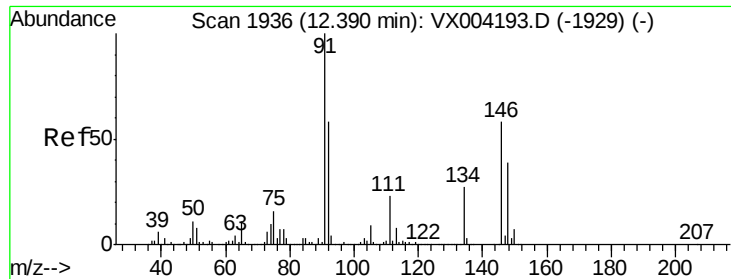
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#90
Hexachloroethane
Concen: 21.27 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004348.D
Acq: 04 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.7	46.9	140.6





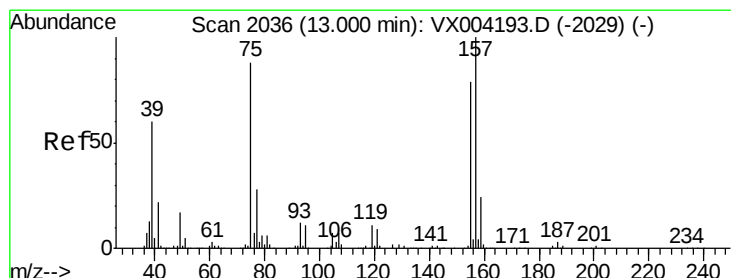
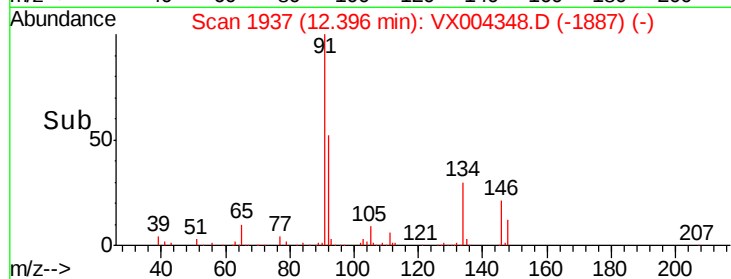
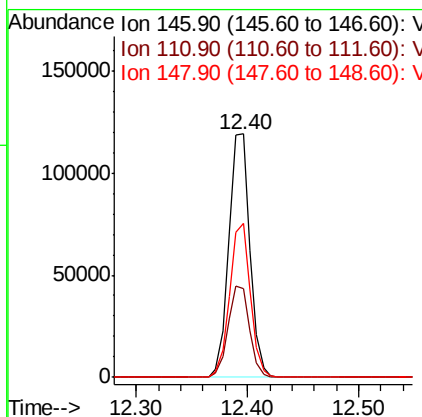
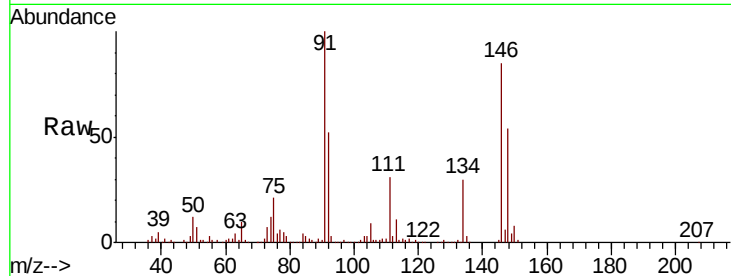
#91
 1,2-Dichlorobenzene
 Concen: 21.30 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.01 min
 Lab File: VX004348.D
 Acq: 04 Sep 2018 15:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	155892		
111	38.0		19.4	58.1
148	62.0		32.8	98.3

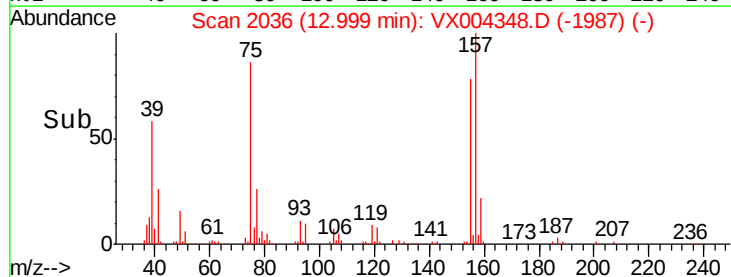
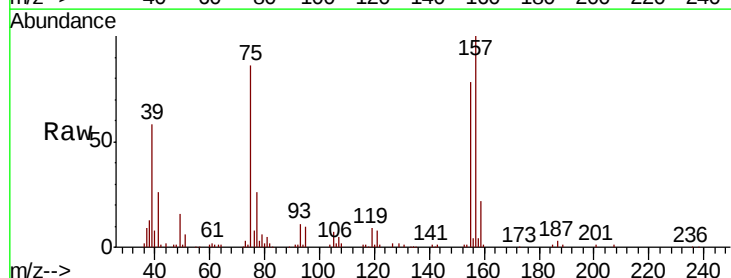
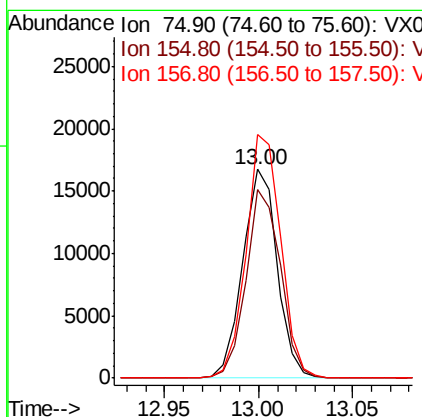
Manual Integrations
 APPROVED

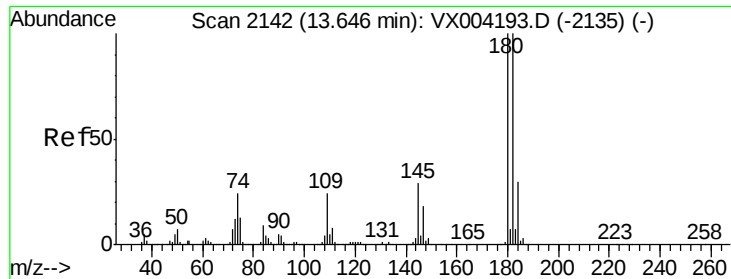
MMDadoda
 9/5/2018 4:52:23 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.73 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004348.D
 Acq: 04 Sep 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21247		
155	90.2		48.0	144.2
157	117.0		61.4	184.1





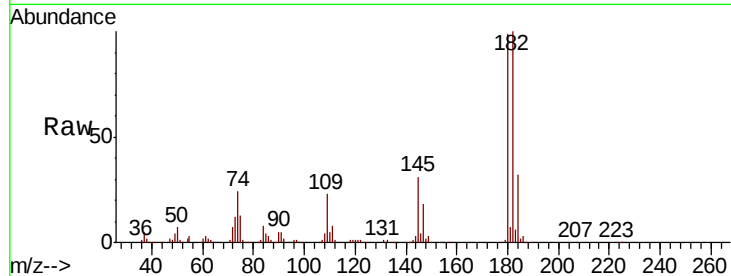
#93
 1,2,4-Trichlorobenzene
 Concen: 20.52 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004348.D
 Acq: 04 Sep 2018 15:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	109291		
182	96.1	48.4	145.0	
145	29.0	14.3	42.9	

Manual Integrations
 APPROVED

MMDadoda
 9/5/2018 4:52:23 PM

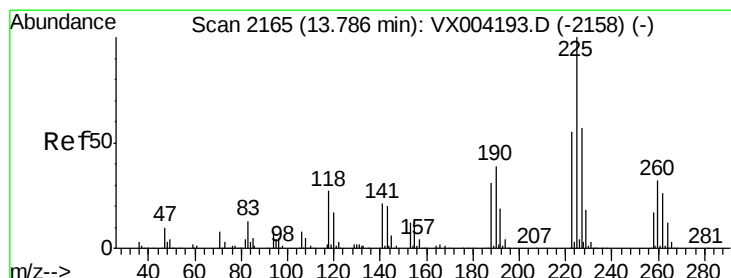
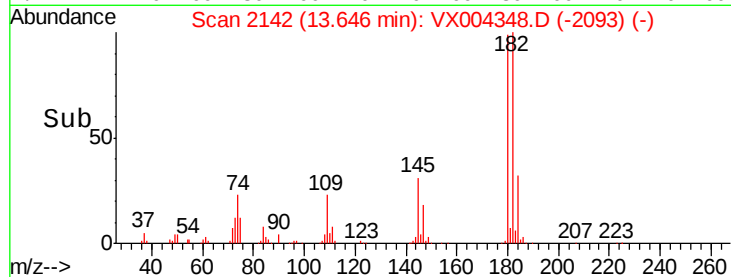
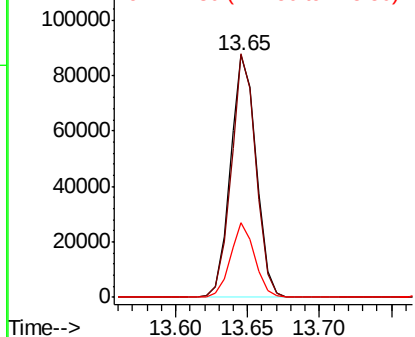


Abundance

Ion 179.80 (179.50 to 180.50): V

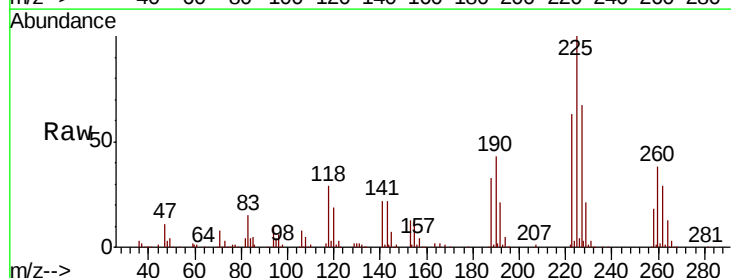
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 23.20 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004348.D
 Acq: 04 Sep 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	57653		
223	62.7	30.1	90.5	
227	64.8	30.8	92.4	

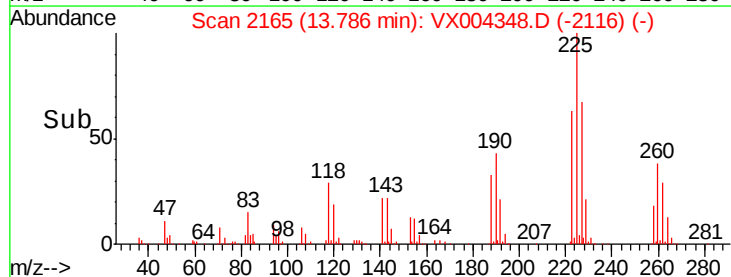
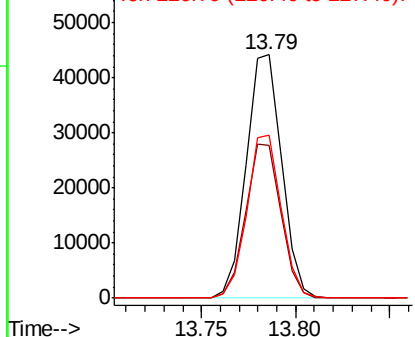


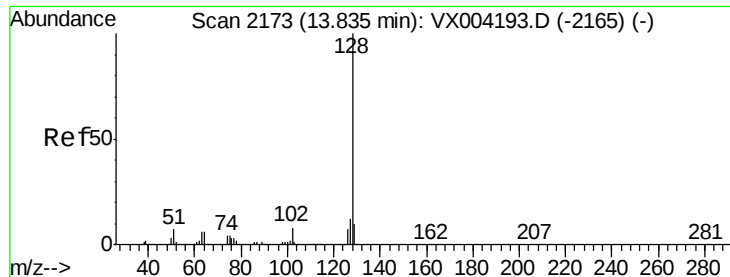
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 22.50 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX004348.D

Acq: 04 Sep 2018 15:45

Instrument :

MSVOA_X

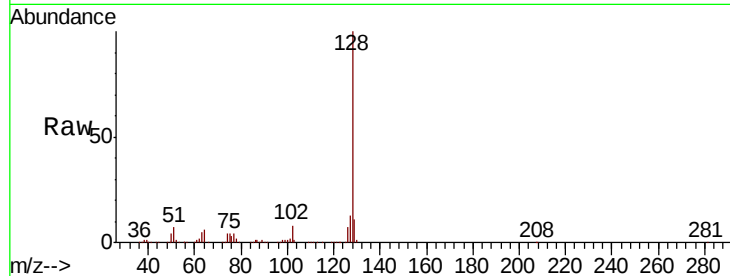
ClientSampleId :

VX0904WBSD02

Tot Ion:	128	Resp:	338878
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	10.9	8.6	12.8

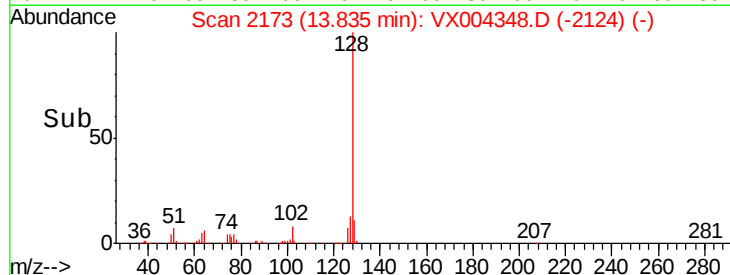
Manual Integrations
APPROVED

MMDadoda
9/5/2018 4:52:23 PM

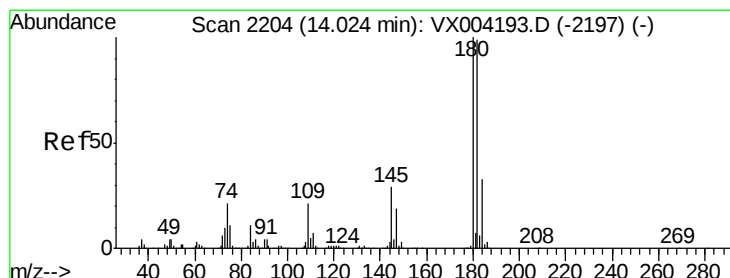


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

13.83



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 21.26 ug/l

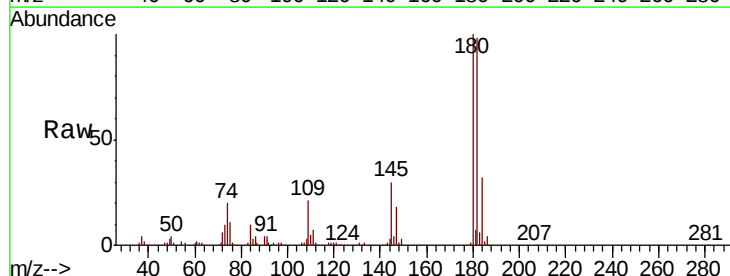
RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX004348.D

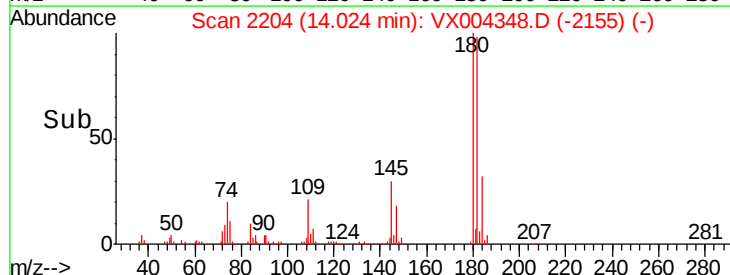
Acq: 04 Sep 2018 15:45

Tgt Ion:	180	Resp:	119842
Ion Ratio	Lower	Upper	
180	100		
182	95.1	48.5	145.6
145	29.7	14.9	44.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

14.02



Time-->