

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083018\
 Data File : VX004322.D
 Acq On : 30 Aug 2018 15:37
 Operator : JC/MD
 Sample : VX0830WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/31/2018 4:30:14 PM

Quant Time: Aug 31 00:57:28 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	266101	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	393133	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	389691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	236065	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	175263	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
35) Dibromofluoromethane	5.50	113	147078	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
50) Toluene-d8	8.71	98	544652	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
62) 4-Bromofluorobenzene	11.14	95	208108	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	55060	17.86	ug/l	98
3) Chloromethane	1.32	50	67598	20.02	ug/l	100
4) Vinyl Chloride	1.40	62	64452	18.49	ug/l	99
5) Bromomethane	1.64	94	37462	20.61	ug/l	100
6) Chloroethane	1.72	64	45968	17.87	ug/l	97
7) Trichlorofluoromethane	1.93	101	86831	18.17	ug/l	95
8) Diethyl Ether	2.18	74	44430	21.72	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	54532	18.22	ug/l	99
10) Methyl Iodide	2.51	142	57958	19.96	ug/l	97
11) Tert butyl alcohol	3.06	59	77636	105.01	ug/l	99
12) 1,1-Dichloroethene	2.37	96	51426	18.24	ug/l	94
13) Acrolein	2.29	56	13847	77.69	ug/l	94
14) Allyl chloride	2.73	41	105755	20.42	ug/l	98
15) Acrylonitrile	3.14	53	193047	105.44	ug/l	100
16) Acetone	2.44	43	174217	118.81	ug/l	98
17) Carbon Disulfide	2.57	76	126095	16.65	ug/l	99
18) Methyl Acetate	2.78	43	133381	25.92	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	201912	21.73	ug/l	99
20) Methylene Chloride	2.85	84	68733	20.59	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	58424	18.72	ug/l	97
22) Diisopropyl ether	3.87	45	212912	22.02	ug/l	97
23) Vinyl Acetate	3.82	43	834376	106.46	ug/l	100
24) 1,1-Dichloroethane	3.69	63	116547	20.68	ug/l	100
25) 2-Butanone	4.70	43	258273	109.53	ug/l	98
26) 2,2-Dichloropropane	4.58	77	87146	19.72	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	71652	20.25	ug/l	100
28) Bromochloromethane	5.01	49	56420	22.61	ug/l	98
29) Tetrahydrofuran	5.15	42	158432	106.32	ug/l	99
30) Chloroform	5.21	83	116716	20.66	ug/l	100
31) Cyclohexane	5.57	56	83625	17.20	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	90628	19.23	ug/l	99
36) 1,1-Dichloropropene	5.79	75	80636	18.24	ug/l	100
37) Ethyl Acetate	4.85	43	90532	20.83	ug/l	100
38) Carbon Tetrachloride	5.78	117	75698	18.21	ug/l	96

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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	78856	15.63	ug/l	98
40) Benzene	6.14	78	265422	20.10	ug/l	99
41) Methacrylonitrile	5.05	41	53831	21.37	ug/l	99
42) 1,2-Dichloroethane	6.20	62	94264	20.93	ug/l	100
43) Isopropyl Acetate	6.46	43	140053	20.97	ug/l	100
44) Trichloroethene	7.21	130	68938	18.86	ug/l	97
45) 1,2-Dichloropropane	7.51	63	69326	20.97	ug/l	99
46) Dibromomethane	7.66	93	45379	20.62	ug/l	99
47) Bromodichloromethane	7.90	83	84603	20.66	ug/l	99
48) Methyl methacrylate	7.77	41	75112	21.02	ug/l	98
49) 1,4-Dioxane	7.75	88	32023	394.65	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	491840	101.35	ug/l	99
52) Toluene	8.78	92	167900	20.31	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	92641	20.48	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	104083	21.13	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	71884	21.54	ug/l	100
56) Ethyl methacrylate	9.18	69	94937	20.90	ug/l	99
57) 1,3-Dichloropropane	9.37	76	120680	21.45	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	266834	114.63	ug/l	100
59) 2-Hexanone	9.49	43	376261	101.63	ug/l	98
60) Dibromochloromethane	9.59	129	66544	20.47	ug/l	99
61) 1,2-Dibromoethane	9.67	107	72869	21.10	ug/l	98
64) Tetrachloroethene	9.34	164	69412	18.03	ug/l	96
65) Chlorobenzene	10.14	112	188533	19.28	ug/l	92
66) 1,1,1,2-Tetrachloroethane	10.22	131	66263	19.64	ug/l	99
67) Ethyl Benzene	10.25	91	296811	18.69	ug/l	99
68) m/p-Xylenes	10.36	106	236899	38.14	ug/l	98
69) o-Xylene	10.70	106	114191	19.44	ug/l	98
70) Styrene	10.71	104	195099	20.51	ug/l	99
71) Bromoform	10.86	173	50270	18.49	ug/l #	100
73) Isopropylbenzene	11.02	105	300196	19.36	ug/l	100
74) N-amyl acetate	10.90	43	116616	19.53	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	109442	20.17	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	98132m	20.44	ug/l	
77) Bromobenzene	11.26	156	87555	20.13	ug/l	98
78) n-propylbenzene	11.36	91	327814	18.38	ug/l	99
79) 2-Chlorotoluene	11.42	91	213535	19.45	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	244082	19.01	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	28031	18.94	ug/l	94
82) 4-Chlorotoluene	11.51	91	252999	19.59	ug/l	100
83) tert-Butylbenzene	11.77	119	237664	18.40	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	267298	20.28	ug/l	100
85) sec-Butylbenzene	11.94	105	282769	18.44	ug/l	99
86) p-Isopropyltoluene	12.07	119	257272	18.72	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	159318	19.46	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	164551	19.06	ug/l	99
89) n-Butylbenzene	12.39	91	195149	17.46	ug/l	99
90) Hexachloroethane	12.60	117	35093	18.27	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	153918	20.57	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	18594	19.46	ug/l	96

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ClientSampleId :
VX0830WBS01

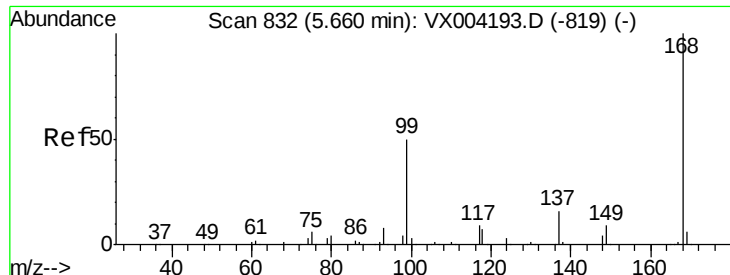
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	106234	19.51	ug/l	97
94) Hexachlorobutadiene	13.79	225	42057	16.51	ug/l	95
95) Naphthalene	13.83	128	311653	20.24	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	113274	19.65	ug/l	99

(#) = 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: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampled :

VX0830WBS01

Tot Ion:168 Resp: 266101

Ion Ratio Lower Upper

168 100

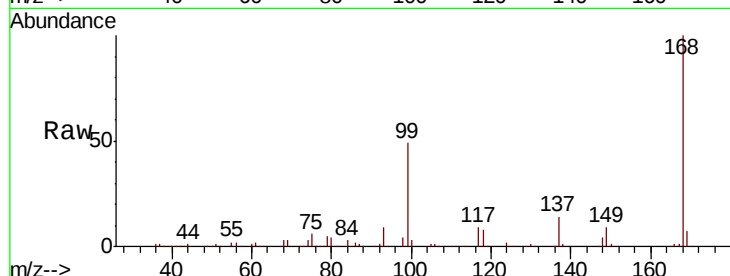
99 49.2 39.9 59.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

60000

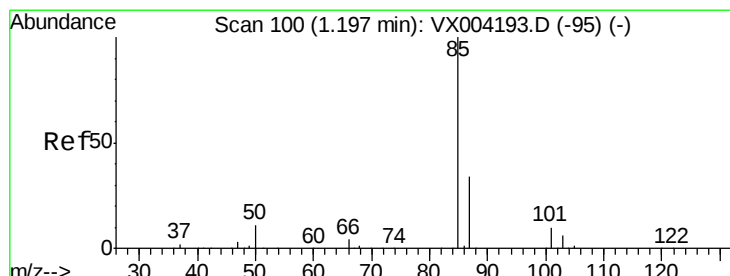
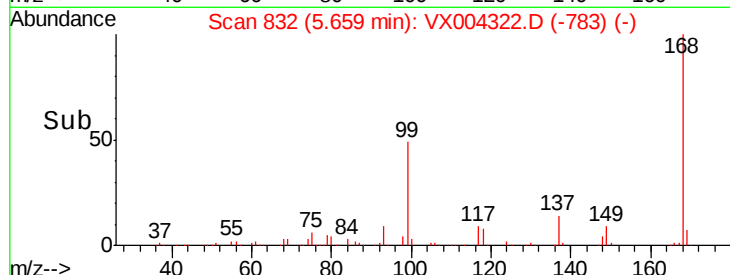
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 17.86 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004322.D

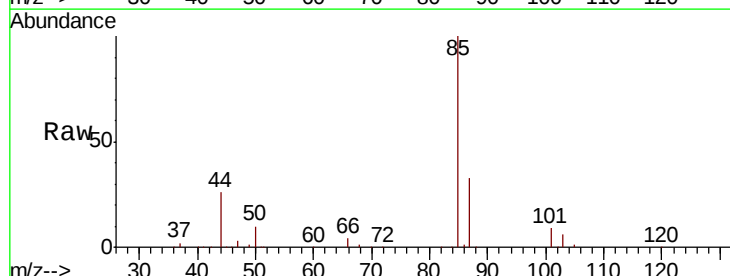
Acq: 30 Aug 2018 15:37

Tgt Ion: 85 Resp: 55060

Ion Ratio Lower Upper

85 100

87 32.7 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

50000

40000

30000

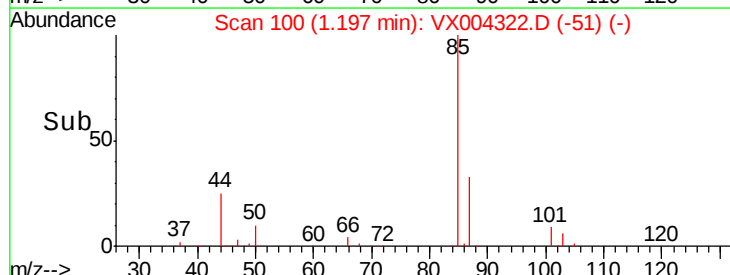
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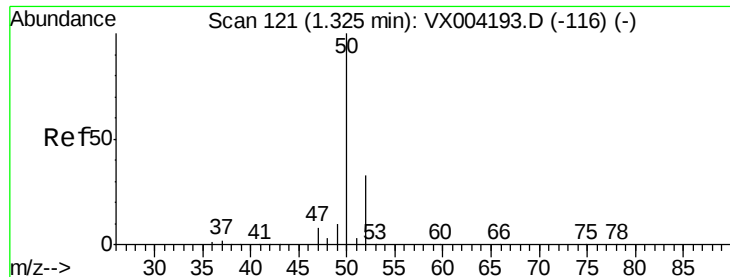
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0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 20.02 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0830WBS01

Tot Ion: 50 Resp: 67598

Ion Ratio Lower Upper

50 100

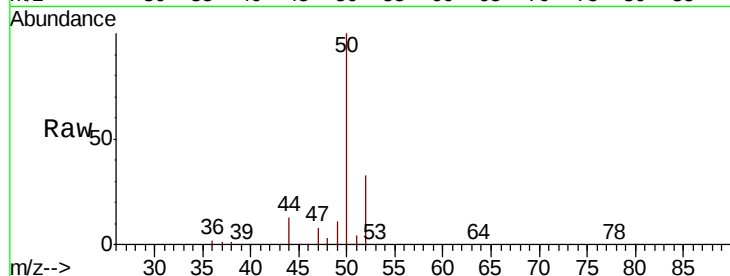
52 32.9 26.2 39.2

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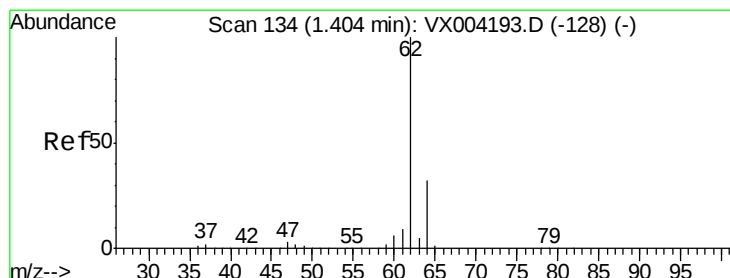
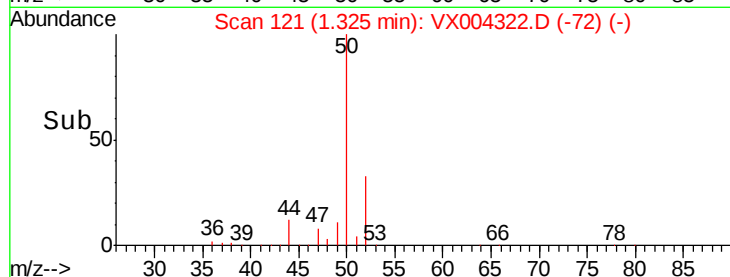
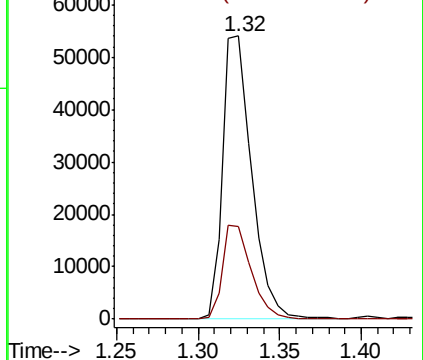
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.49 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004322.D

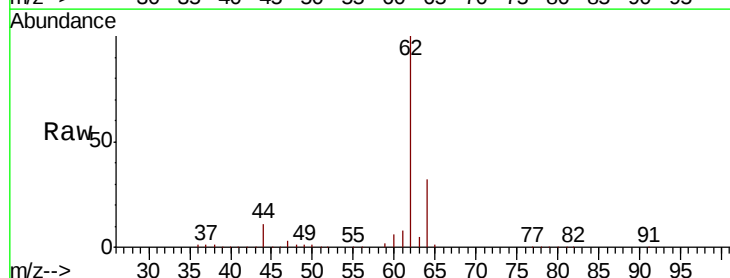
Acq: 30 Aug 2018 15:37

Tgt Ion: 62 Resp: 64452

Ion Ratio Lower Upper

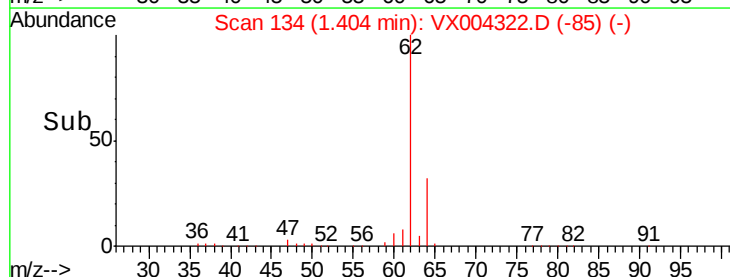
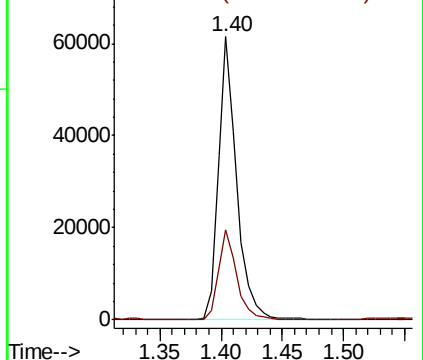
62 100

64 31.5 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.61 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0830WBS01

Tot Ion: 94 Resp: 37462

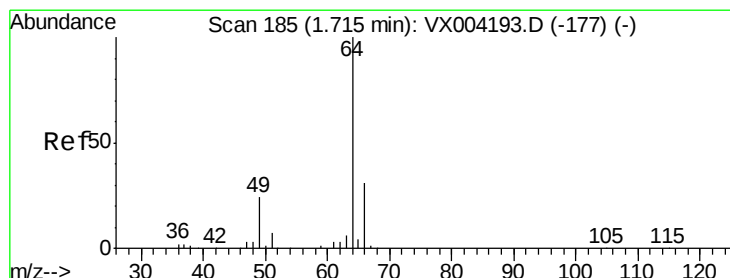
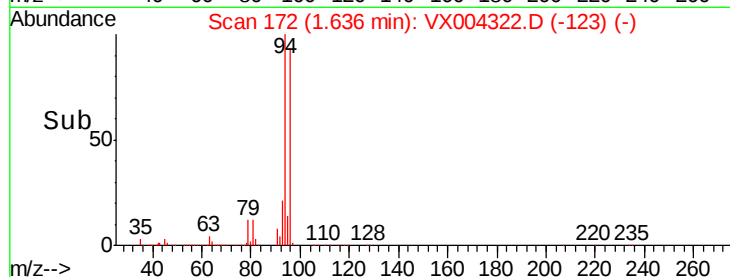
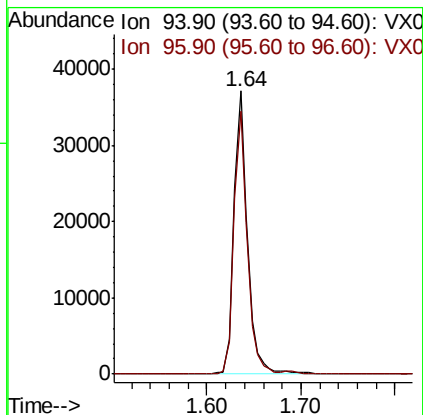
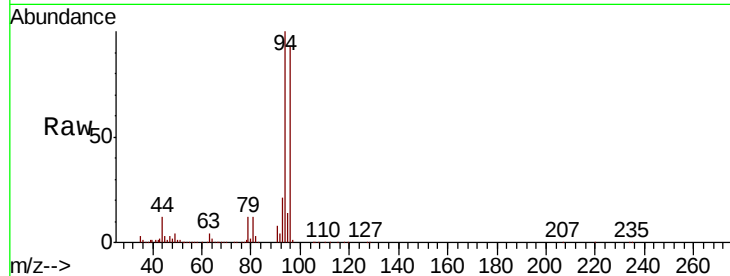
Ion Ratio Lower Upper

94 100

96 92.7 74.5 111.7

Manual Integrations
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#6

Chloroethane

Concen: 17.87 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX004322.D

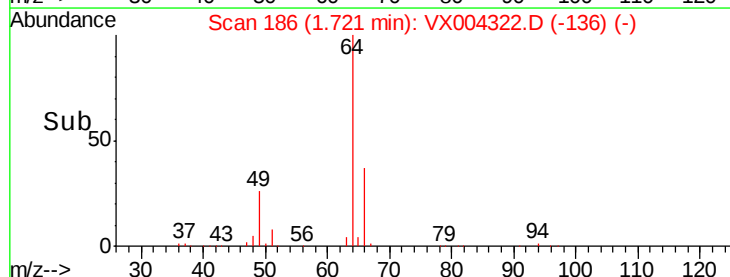
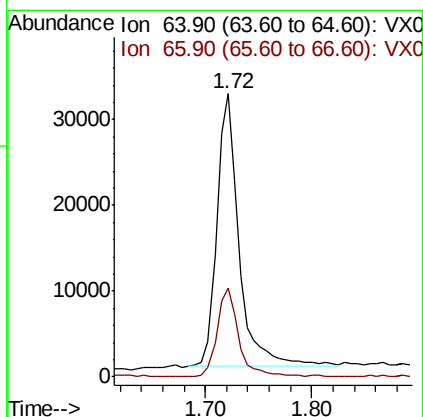
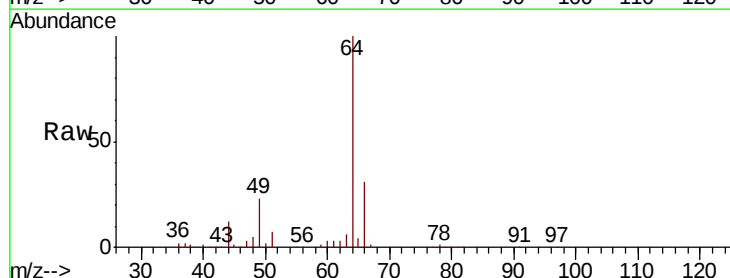
Acq: 30 Aug 2018 15:37

Tgt Ion: 64 Resp: 45968

Ion Ratio Lower Upper

64 100

66 32.3 24.6 36.8





#7

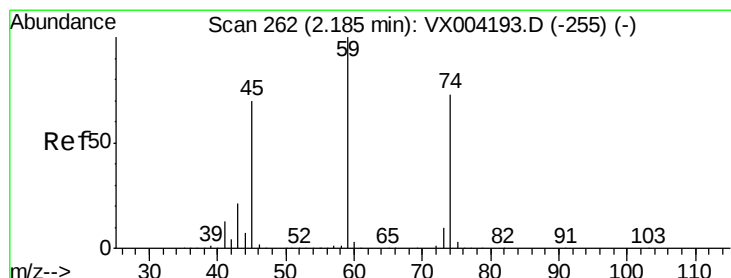
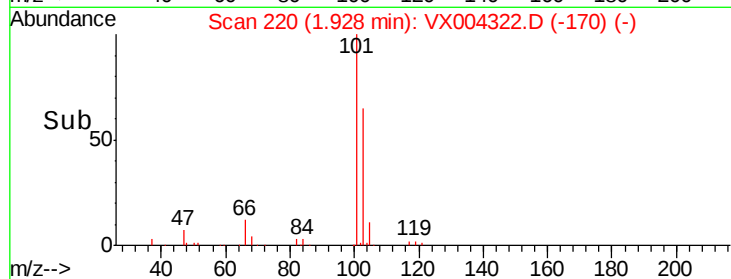
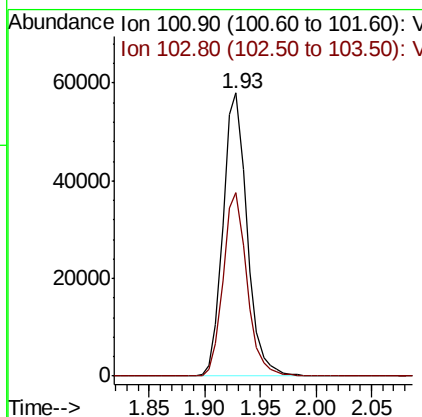
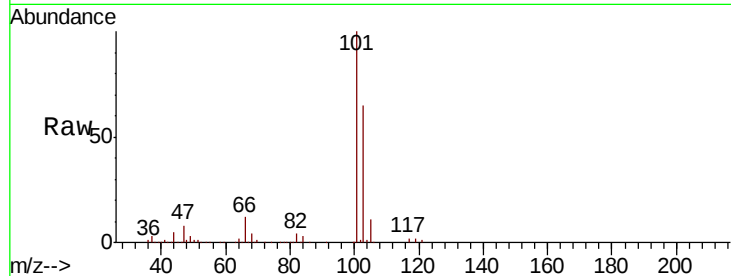
Trichlorofluoromethane
Concen: 18.17 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Instrument :
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ClientSampleId :
VX0830WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	86831		
103	64.8	48.9	73.3	

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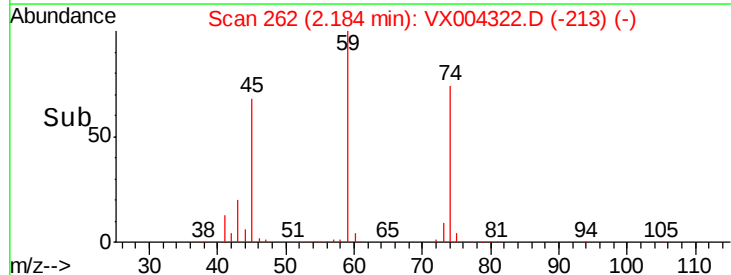
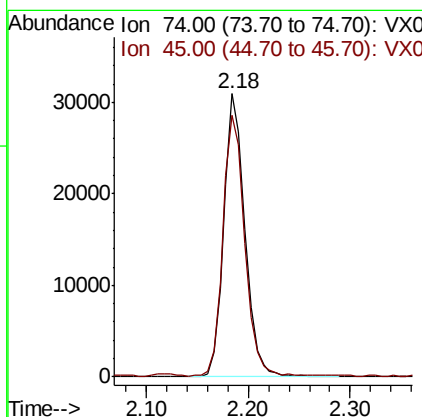
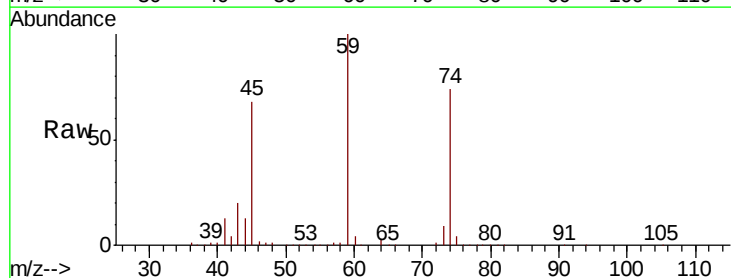
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8/31/2018 4:30:14 PM

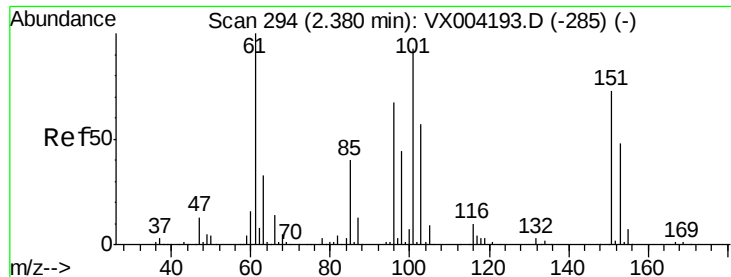


#8

Diethyl Ether
Concen: 21.72 ug/l
RT: 2.18 min Scan# 262
Delta R.T. -0.00 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	44430		
45	95.1	48.3	144.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.22 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

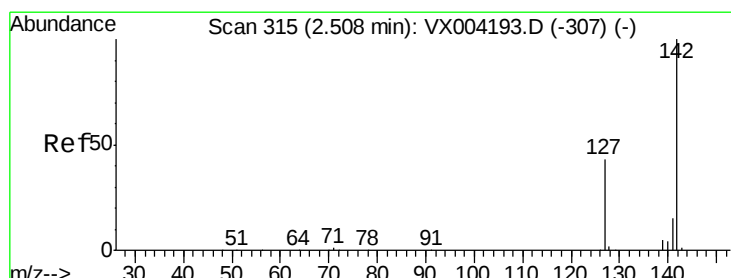
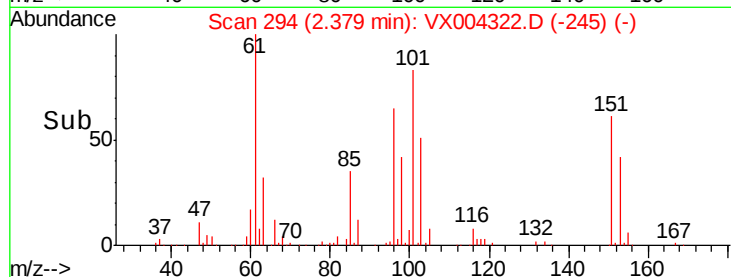
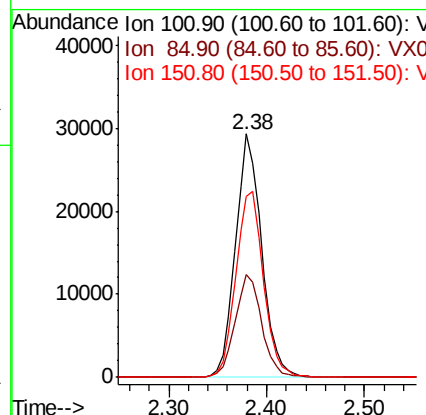
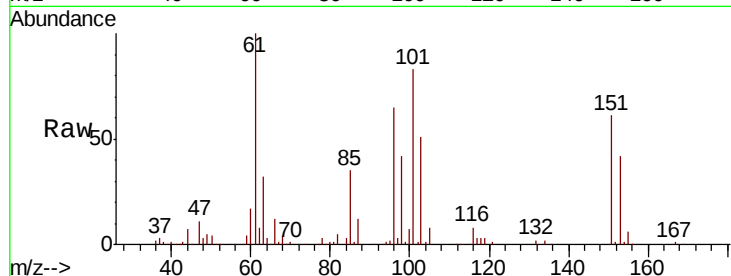
ClientSampleId :

VX0830WBS01

Tot Ion:	101	Resp:	54532
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.2	51.4
151	80.3	65.0	97.6

Manual Integrations
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8/31/2018 4:30:14 PM



#10

Methyl Iodide

Concen: 19.96 ug/l

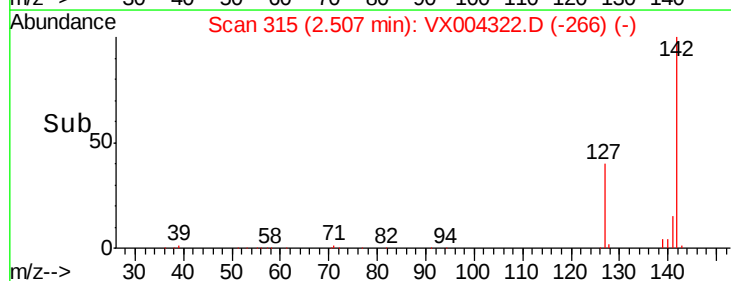
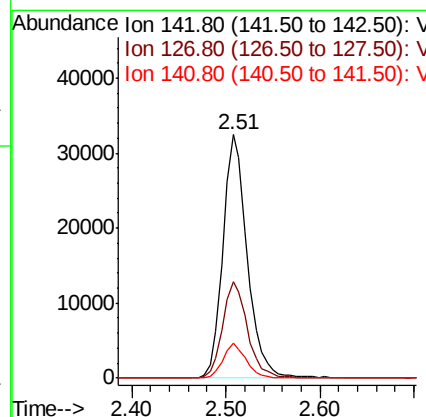
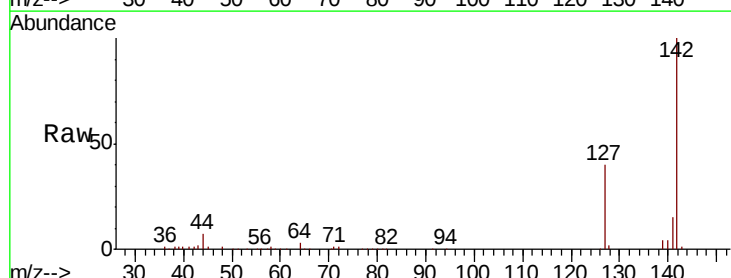
RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Tgt Ion:	142	Resp:	57958
Ion Ratio	Lower	Upper	
142	100		
127	40.2	33.8	50.6
141	13.9	11.4	17.0





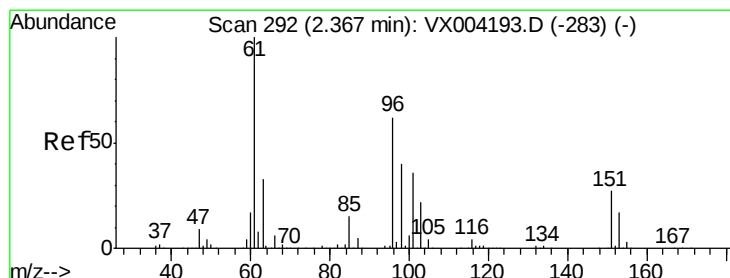
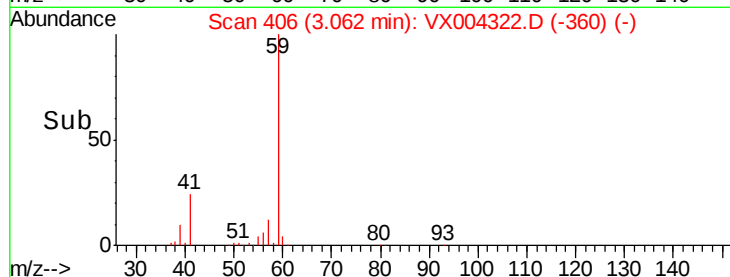
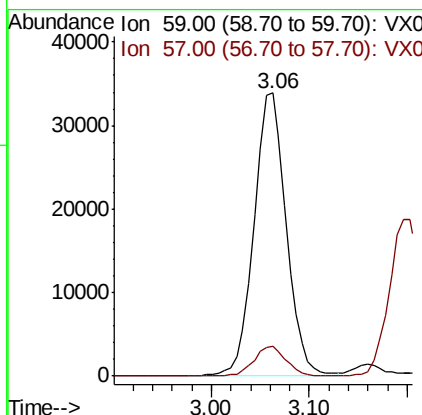
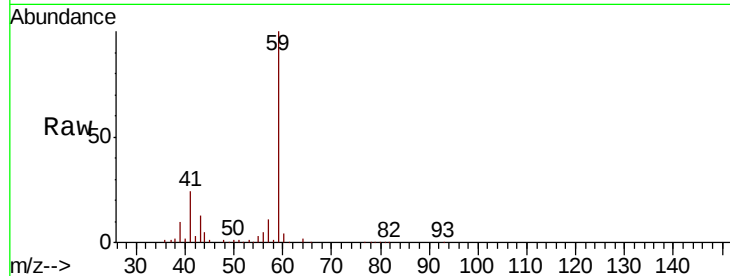
#11
Tert butyl alcohol
Concen: 105.01 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.02 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Instrument :
MSVOA_X
ClientSampleId :
VX0830WBS01

Tot Ion: 59 Resp: 77636
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.4

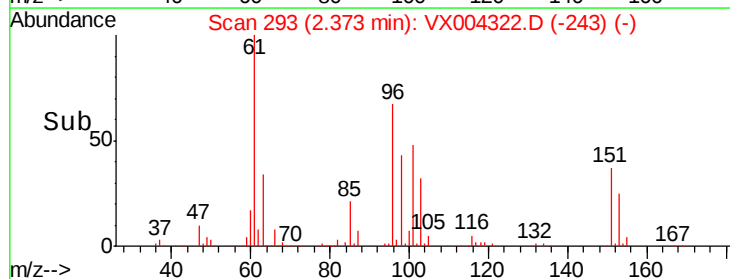
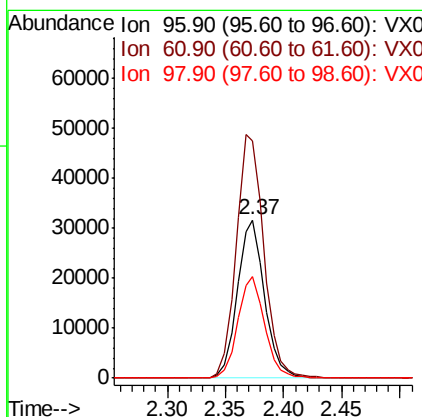
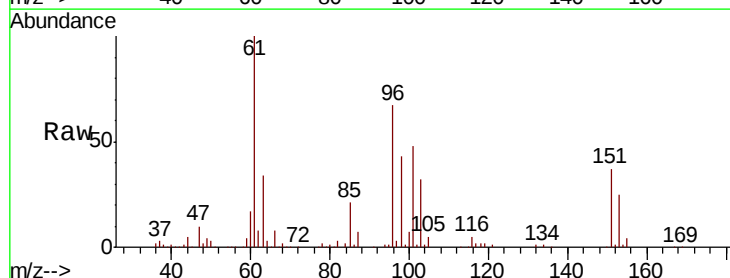
Manual Integrations
APPROVED

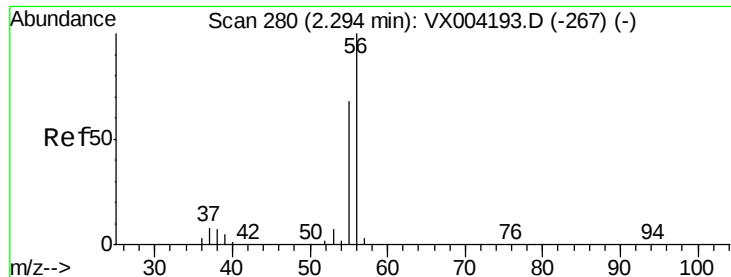
MMDadoda
8/31/2018 4:30:14 PM



#12
1,1-Dichloroethene
Concen: 18.24 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Tgt Ion: 96 Resp: 51426
Ion Ratio Lower Upper
96 100
61 150.2 128.8 193.2
98 64.2 52.2 78.2





#13

Acrolein

Concen: 77.69 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0830WBS01

Tot Ion: 56 Resp: 13847

Ion Ratio Lower Upper

56 100

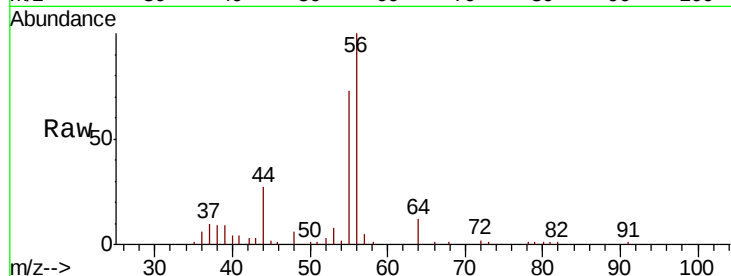
55 73.4 54.7 82.1

Manual Integrations

APPROVED

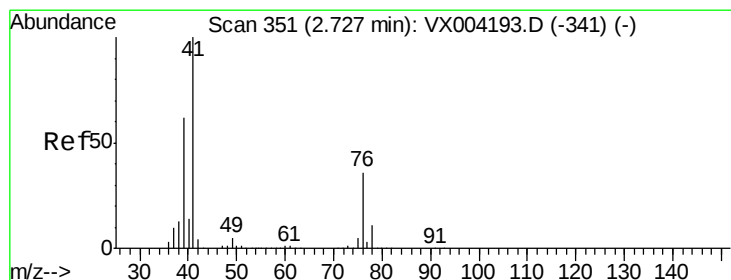
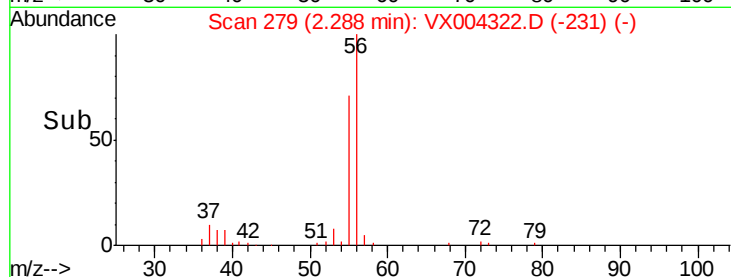
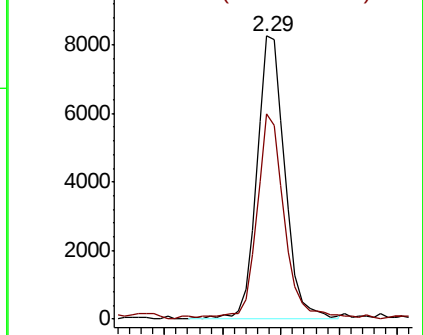
MMDadoda

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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: 20.42 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

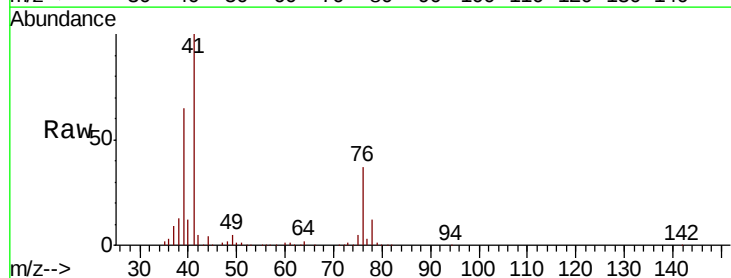
Tgt Ion: 41 Resp: 105755

Ion Ratio Lower Upper

41 100

39 59.4 48.9 73.3

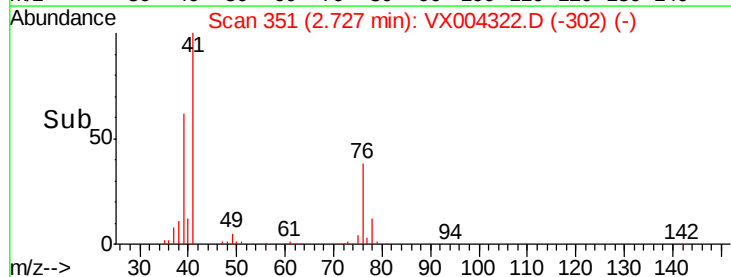
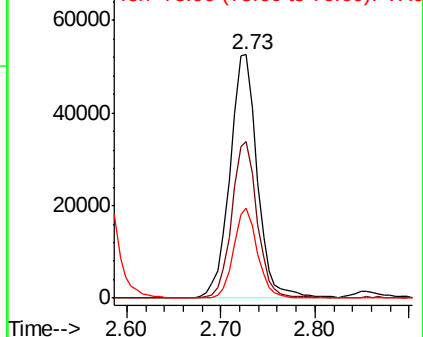
76 32.3 26.7 40.1



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: 105.44 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

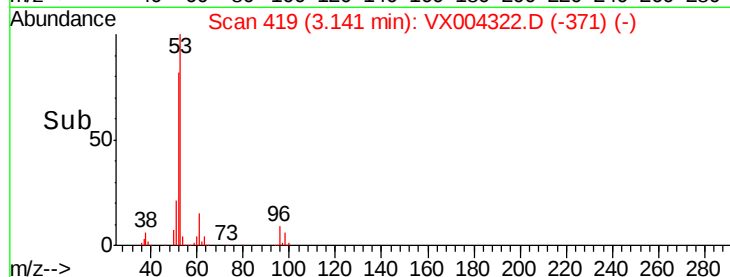
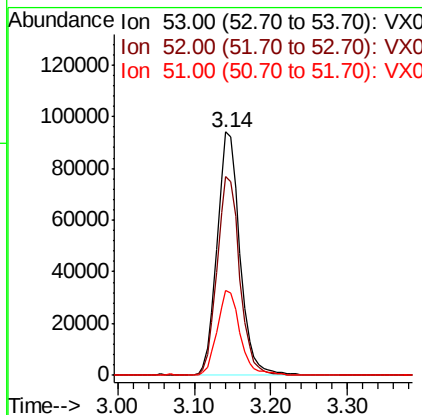
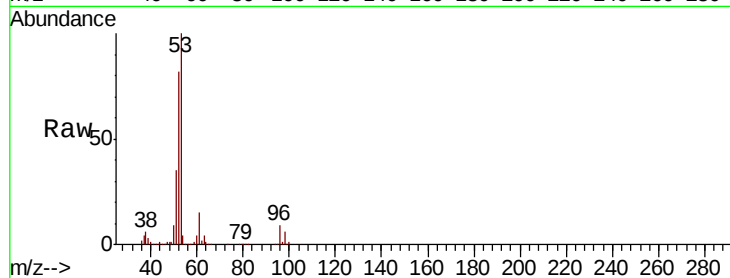
ClientSampleId :

VX0830WBS01

Tot Ion:	53	Resp:	193047
Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.2	97.8
51	35.3	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 118.81 ug/l

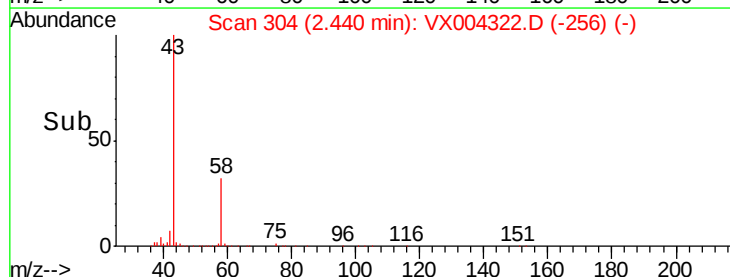
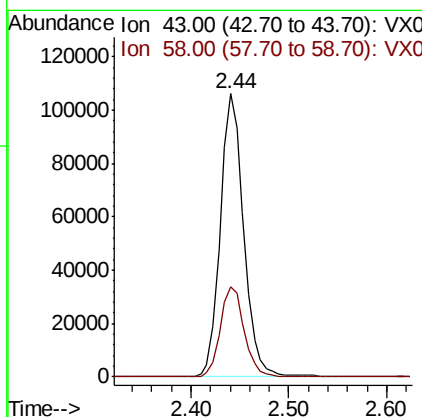
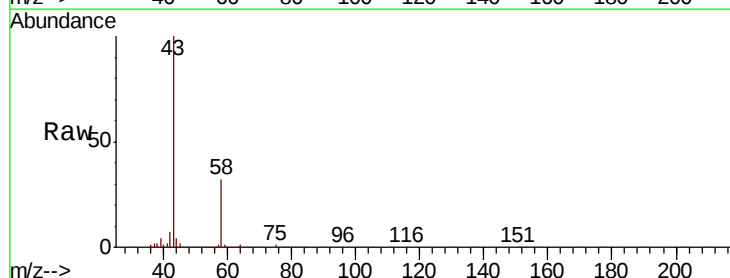
RT: 2.44 min Scan# 304

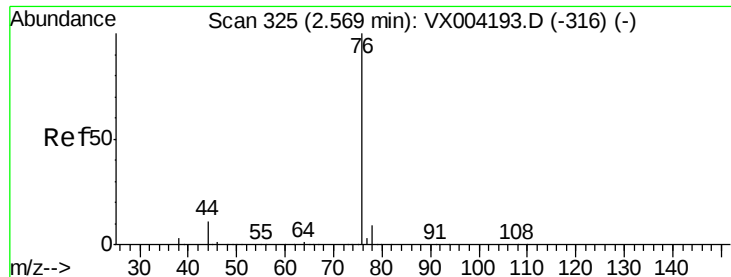
Delta R.T. -0.01 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Tgt Ion:	43	Resp:	174217
Ion	Ratio	Lower	Upper
43	100		
58	31.8	26.2	39.4





#17

Carbon Disulfide

Concen: 16.65 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0830WBS01

Tot Ion: 76 Resp: 126095

Ion Ratio Lower Upper

76 100

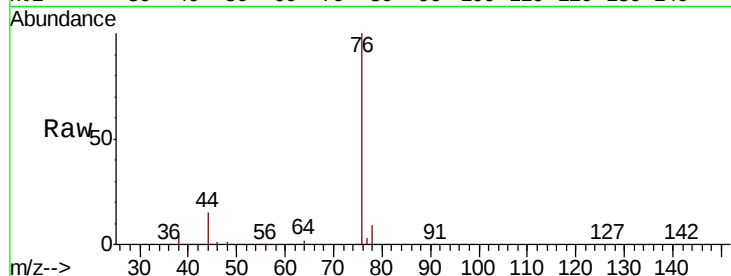
78 9.2 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

80000

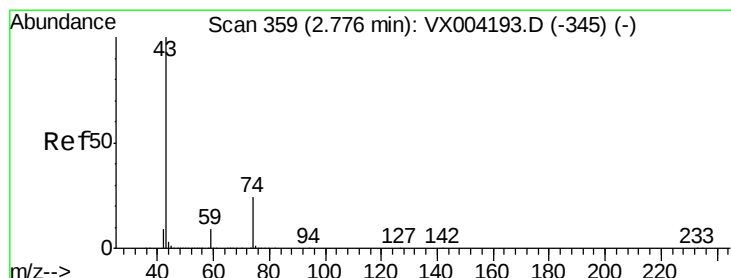
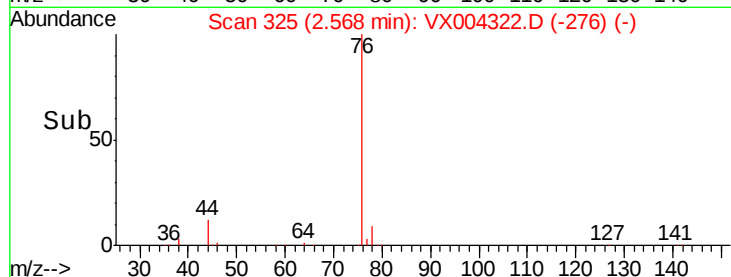
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 25.92 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.00 min

Lab File: VX004322.D

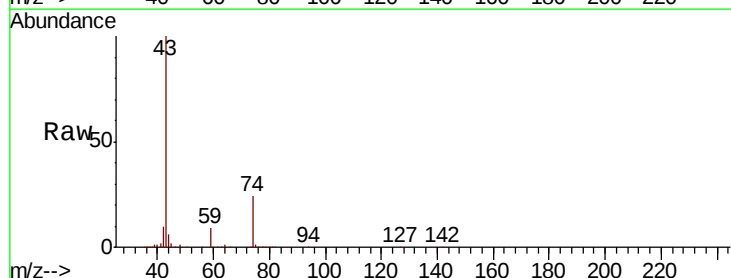
Acq: 30 Aug 2018 15:37

Tgt Ion: 43 Resp: 133381

Ion Ratio Lower Upper

43 100

74 23.9 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

80000

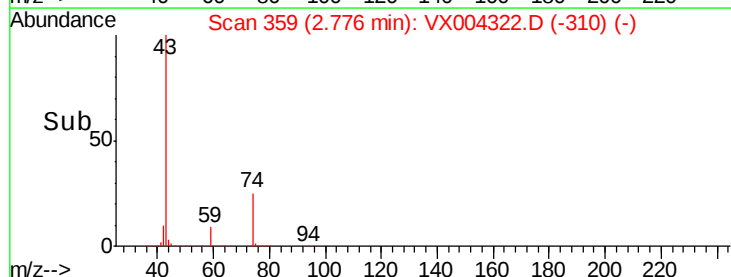
60000

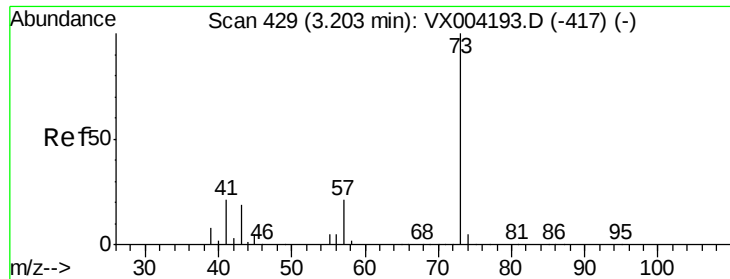
40000

20000

0

Time-->





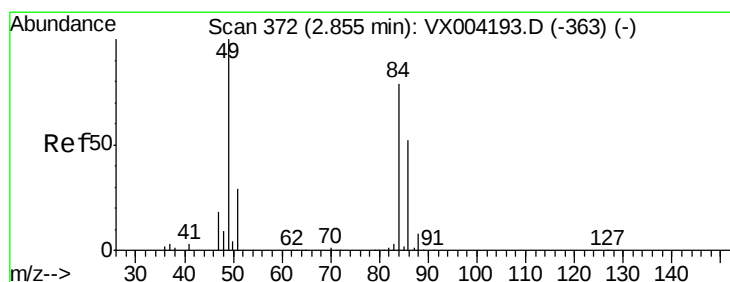
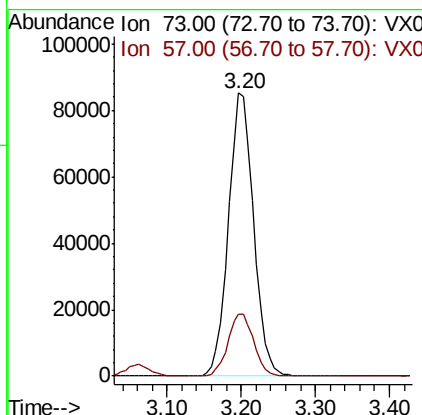
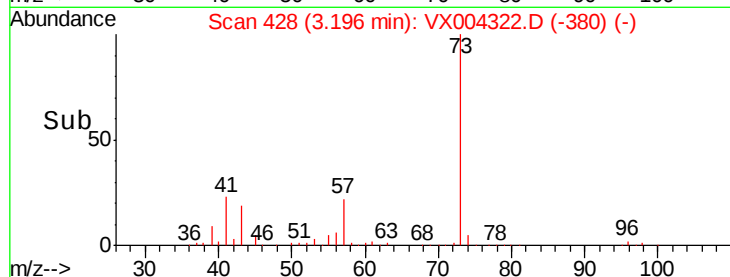
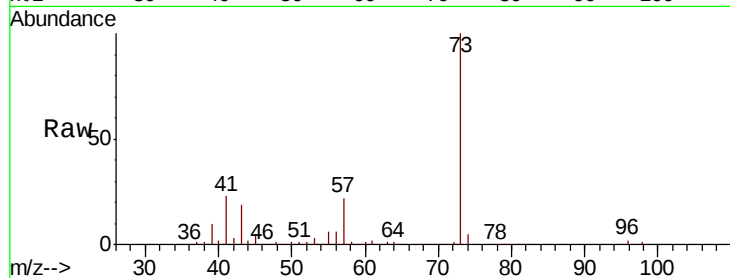
#19
Methyl tert-butyl Ether
Concen: 21.73 ug/l
RT: 3.20 min Scan# 428
Delta R.T. -0.01 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Instrument :
MSVOA_X
ClientSampleID :
VX0830WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.1	25.7

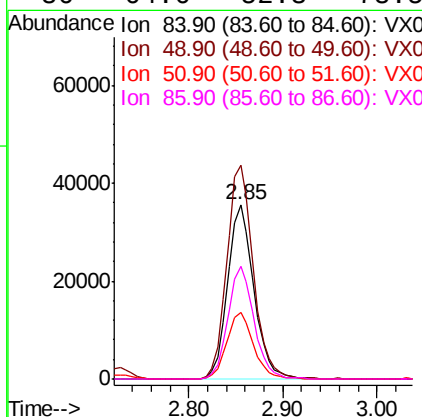
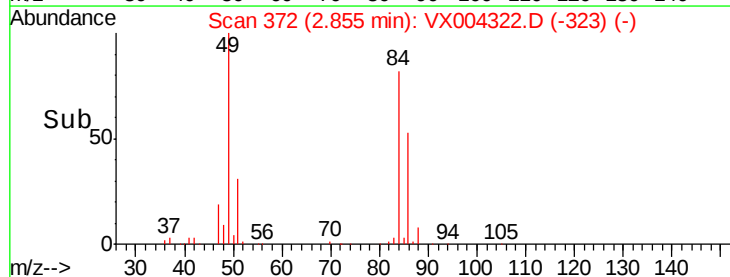
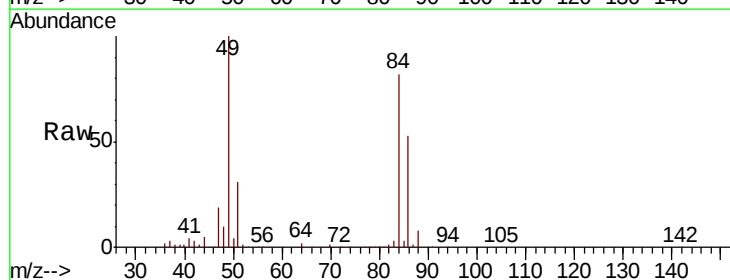
Manual Integrations
APPROVED

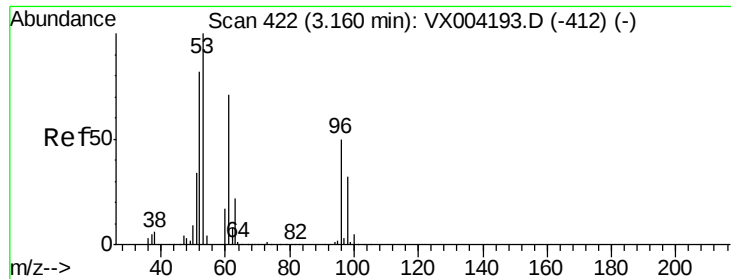
MMDadoda
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#20
Methylene Chloride
Concen: 20.59 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.2	101.2	151.8
51	38.4	29.5	44.3
86	64.6	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 18.72 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

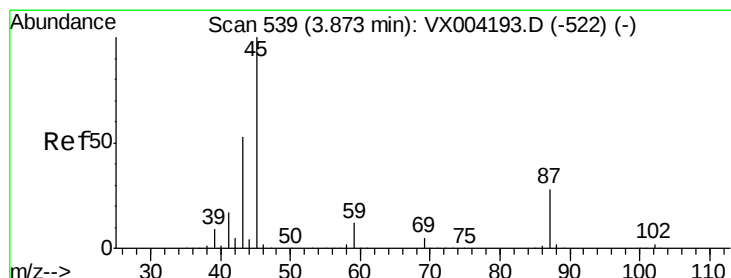
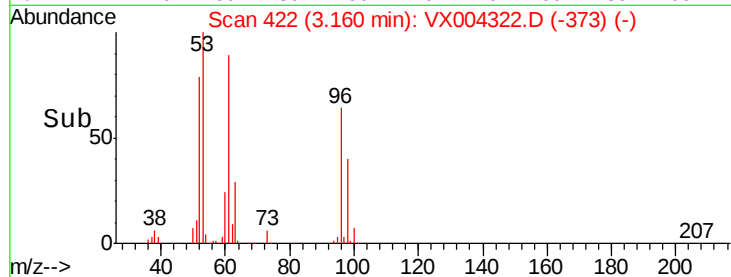
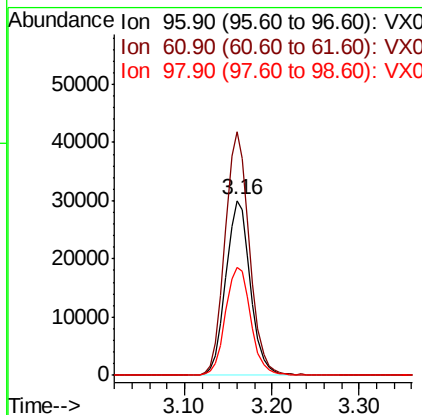
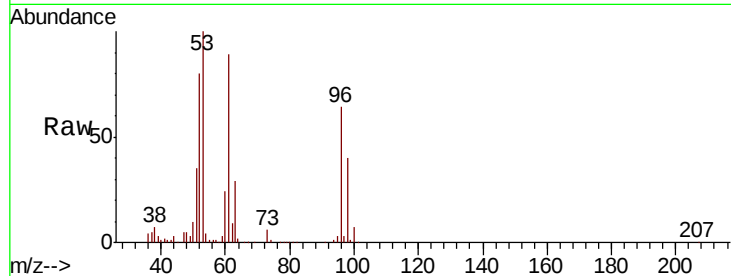
ClientSampleId :

VX0830WBS01

Tot Ion:	96	Resp:	58424
Ion	Ratio	Lower	Upper
96	100		
61	139.2	113.8	170.6
98	61.8	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.02 ug/l

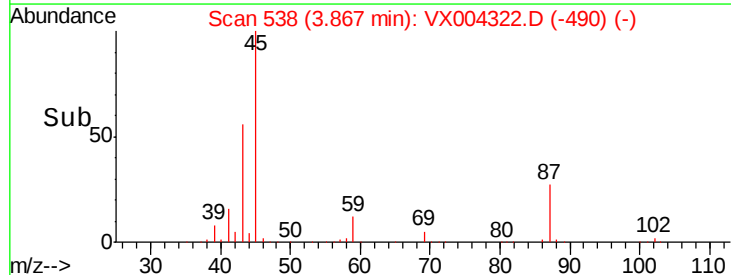
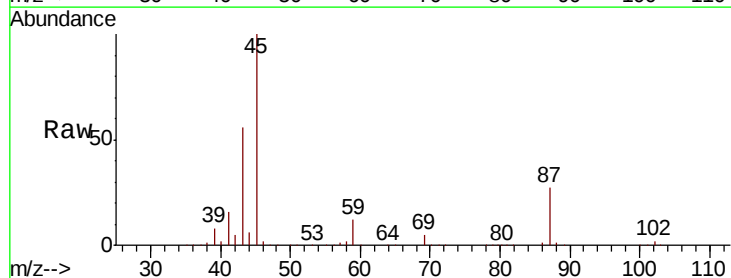
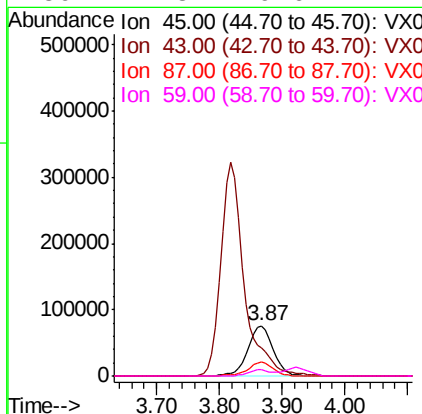
RT: 3.87 min Scan# 538

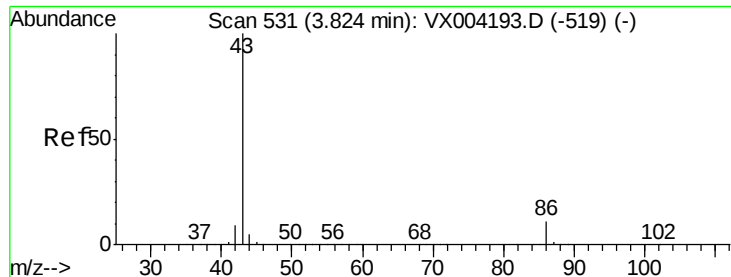
Delta R.T. -0.01 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Tgt Ion:	45	Resp:	212912
Ion	Ratio	Lower	Upper
45	100		
43	56.2	42.8	64.2
87	27.1	22.6	34.0
59	11.8	9.6	14.4





#23

Vinyl Acetate

Concen: 106.46 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.01 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0830WBS01

Tot Ion: 43 Resp: 834376

Ion Ratio Lower Upper

43 100

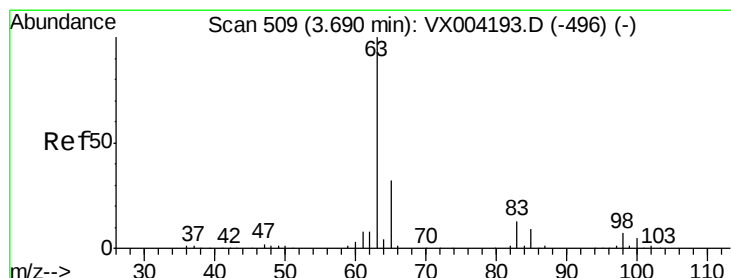
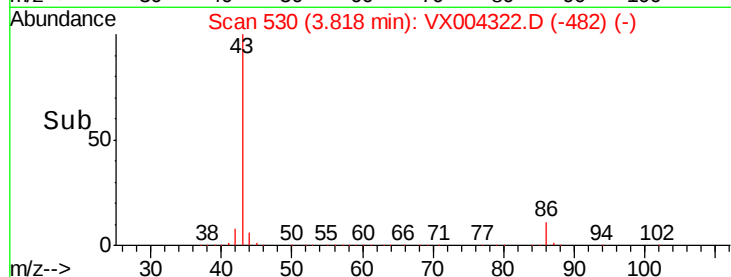
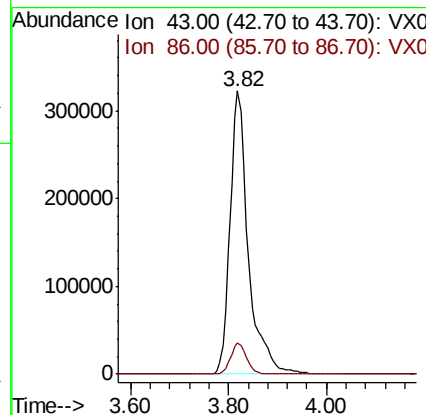
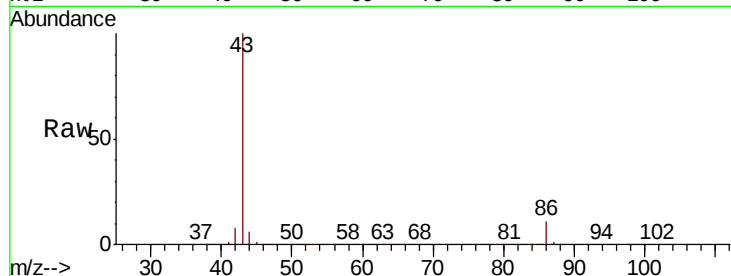
86 10.9 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.68 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

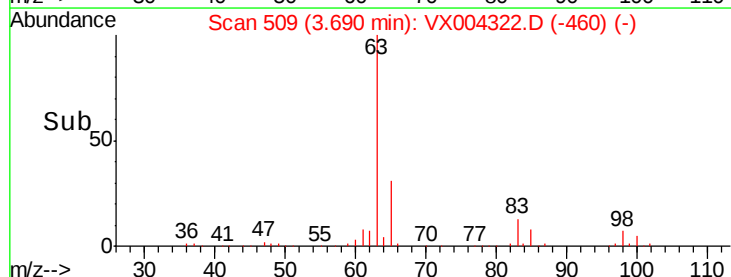
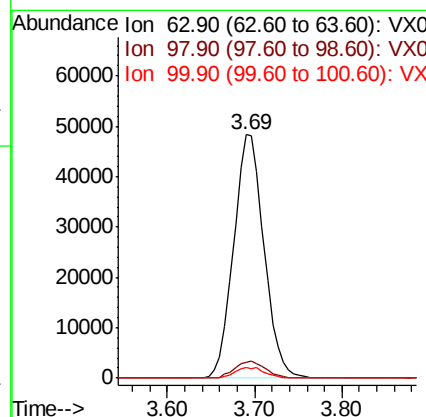
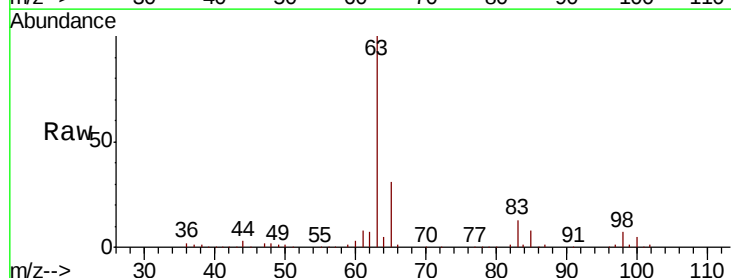
Tgt Ion: 63 Resp: 116547

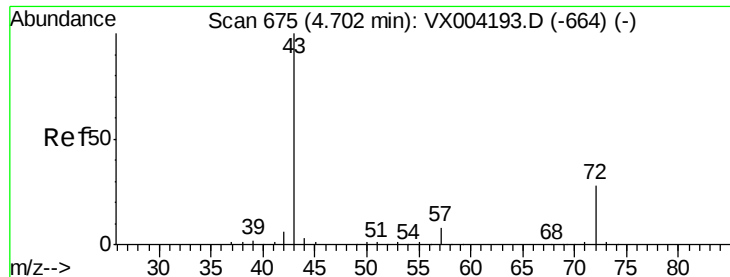
Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

100 4.6 2.4 7.1





#25

2-Butanone

Concen: 109.53 ug/l

RT: 4.70 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampled :

VX0830WBS01

Tot Ion: 43 Resp: 258273

Ion Ratio Lower Upper

43 100

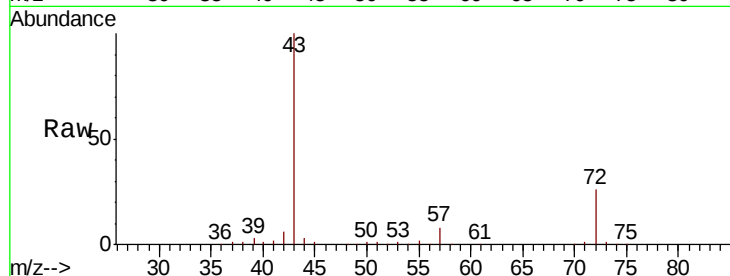
72 26.3 22.0 33.0

Manual Integrations

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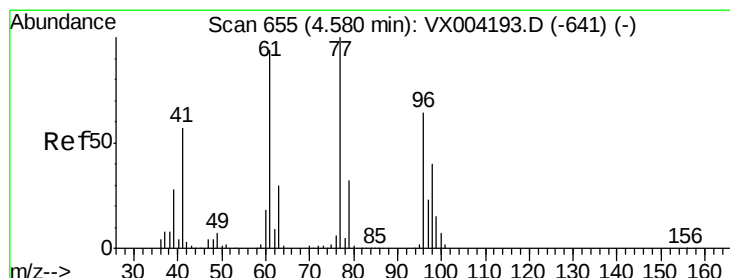
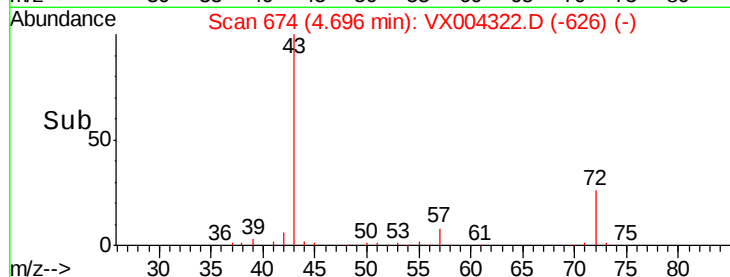
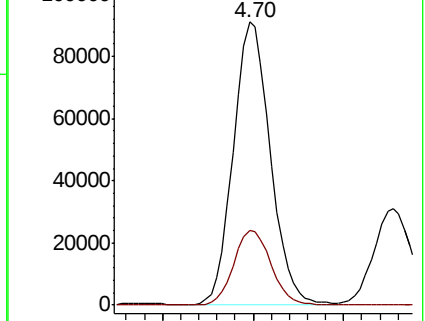
MMDadoda

8/31/2018 4:30:14 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 19.72 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX004322.D

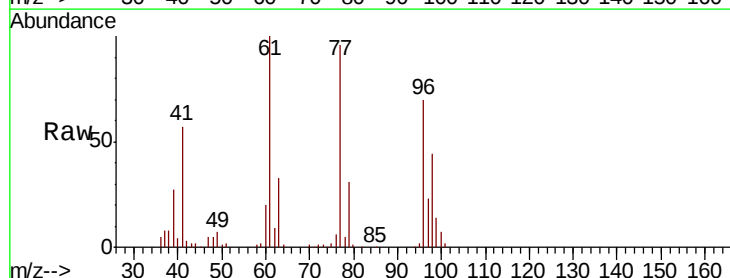
Acq: 30 Aug 2018 15:37

Tgt Ion: 77 Resp: 87146

Ion Ratio Lower Upper

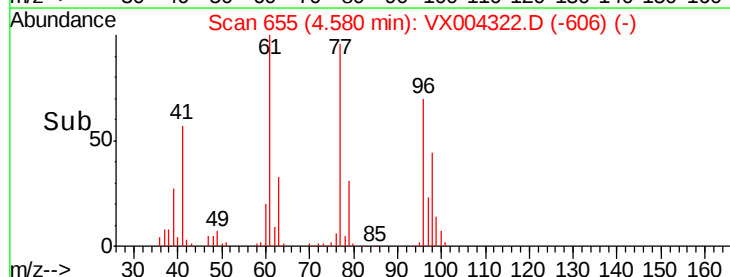
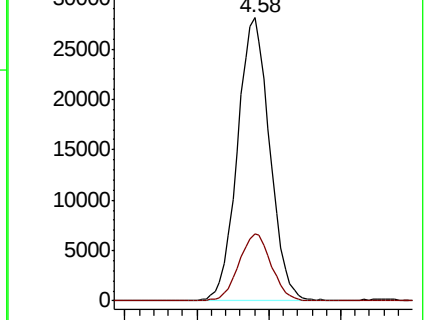
77 100

97 23.7 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 20.25 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

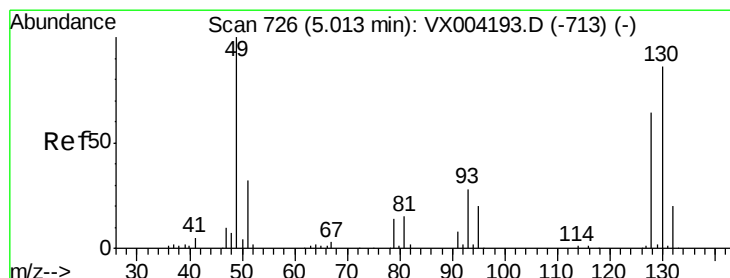
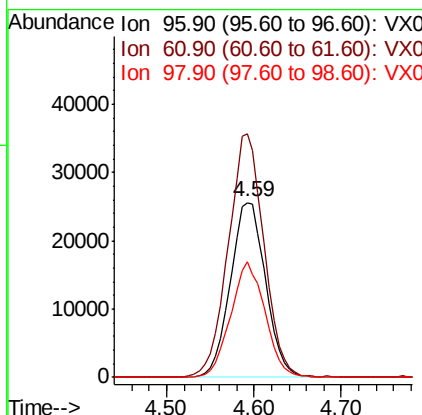
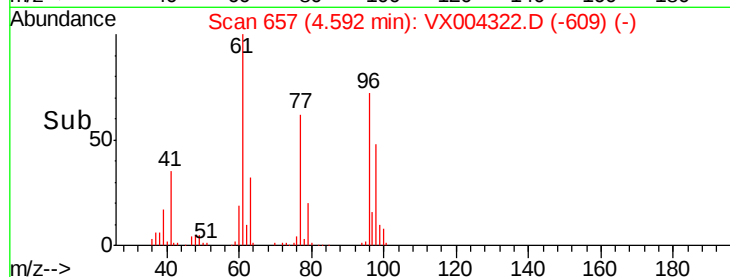
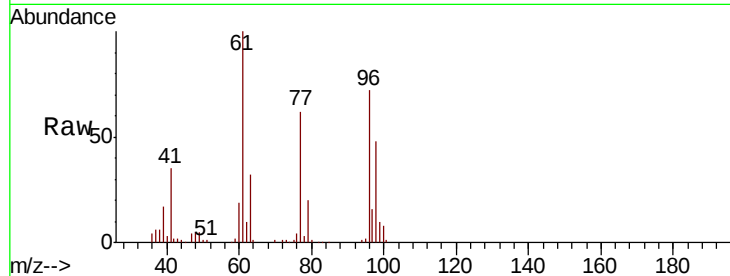
ClientSampleId :

VX0830WBS01

Tot Ion:	96	Resp:	71652
Ion	Ratio	Lower	Upper
96	100		
61	141.0	0.0	282.6
98	64.3	0.0	130.2

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#28

Bromochloromethane

Concen: 22.61 ug/l

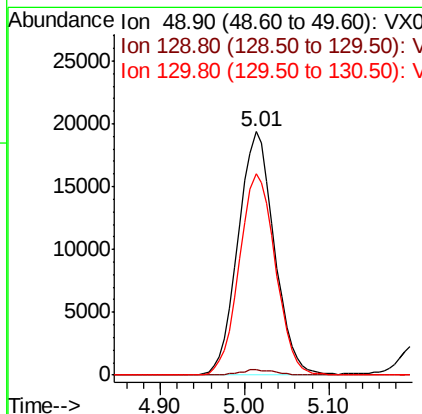
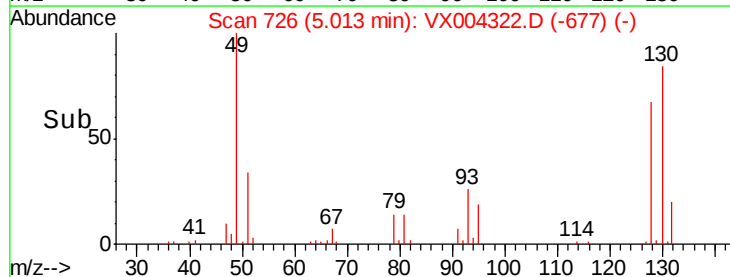
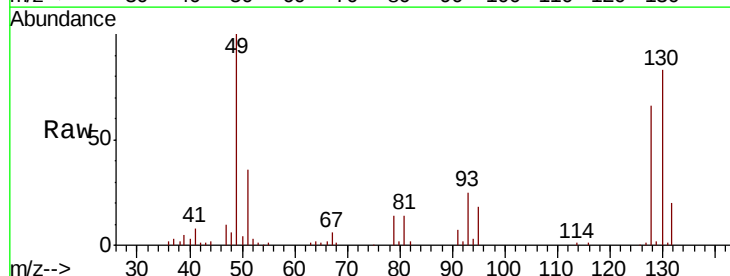
RT: 5.01 min Scan# 726

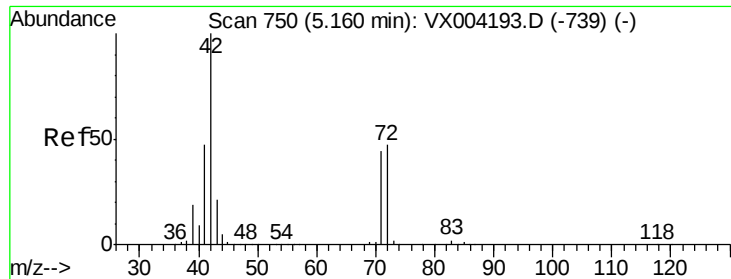
Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Tgt Ion:	49	Resp:	56420
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	82.7	67.5	101.3





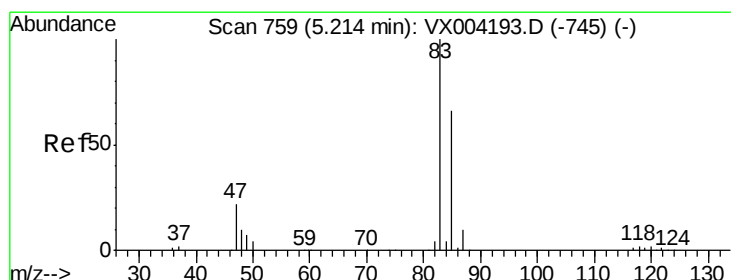
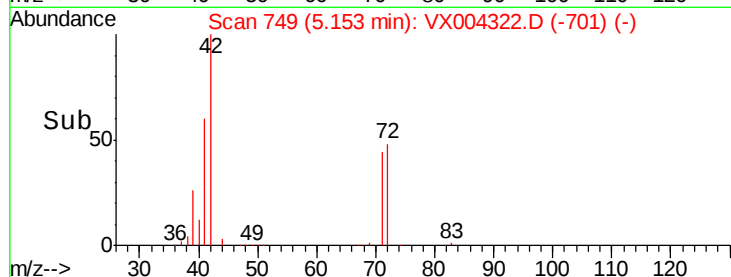
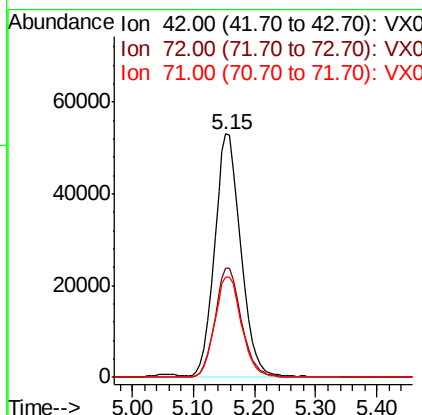
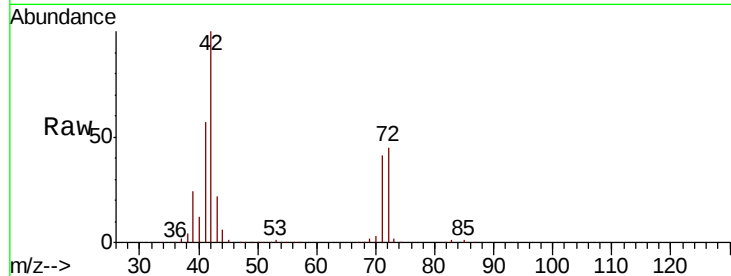
#29
Tetrahydrofuran
Concen: 106.32 ug/l
RT: 5.15 min Scan# 749
Delta R.T. -0.01 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Instrument :
MSVOA_X
ClientSampleId :
VX0830WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	37.4	56.0
71	42.4	34.5	51.7

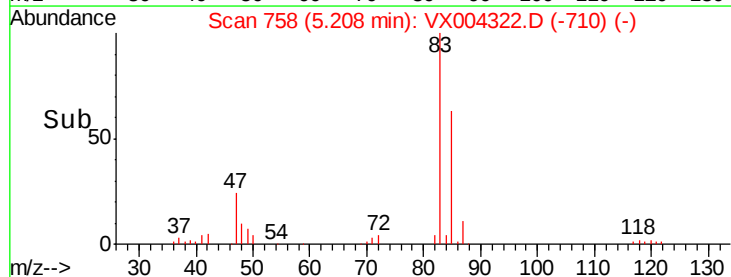
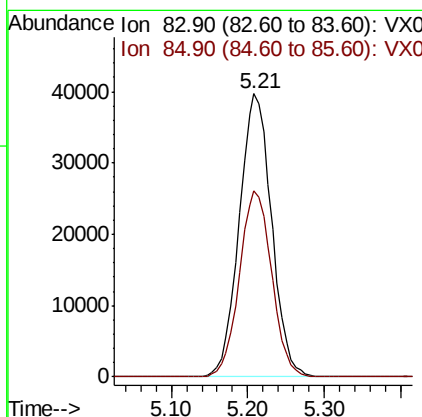
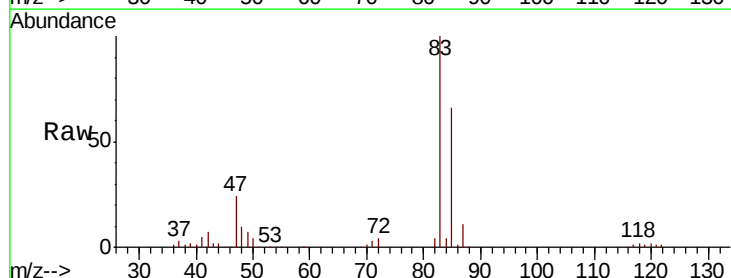
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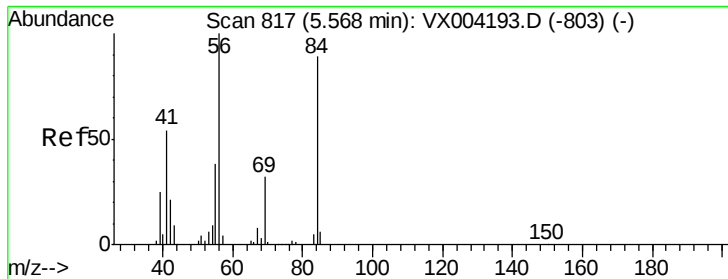
MMDadoda
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#30
Chloroform
Concen: 20.66 ug/l
RT: 5.21 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.6	79.0





#31

Cvclohexane

Concen: 17.20 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

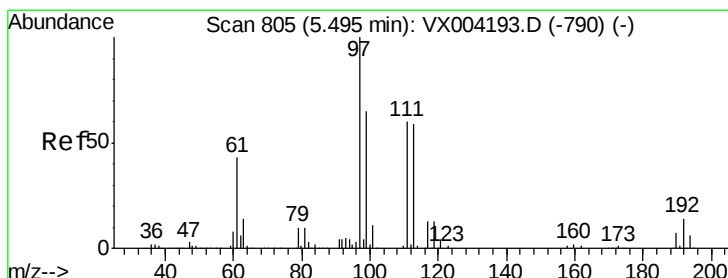
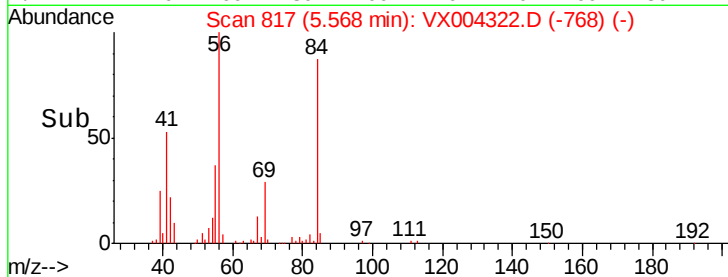
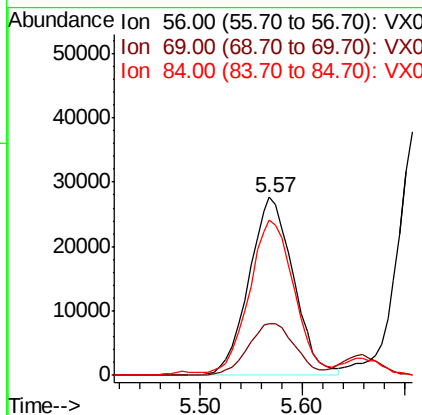
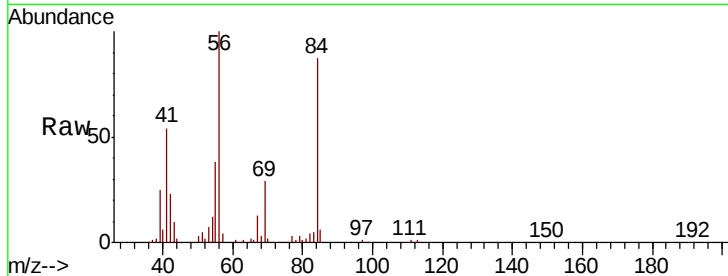
ClientSampleId :

VX0830WBS01

Tot Ion:	56	Resp:	83625
Ion	Ratio	Lower	Upper
56	100		
69	28.9	25.4	38.2
84	85.8	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 19.23 ug/l

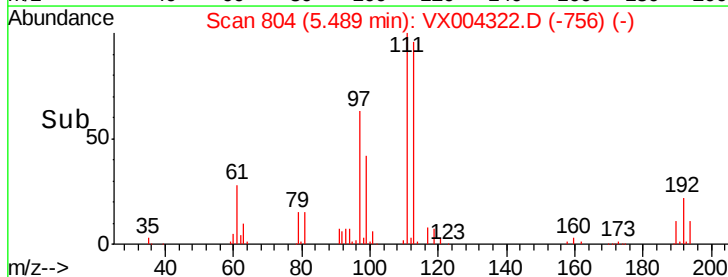
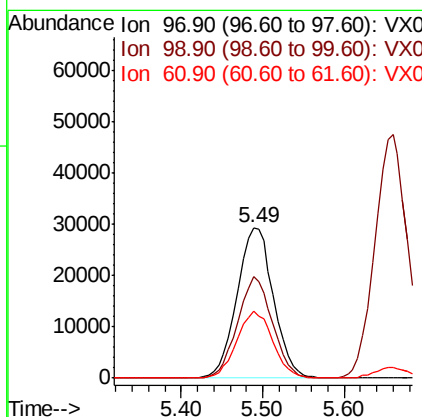
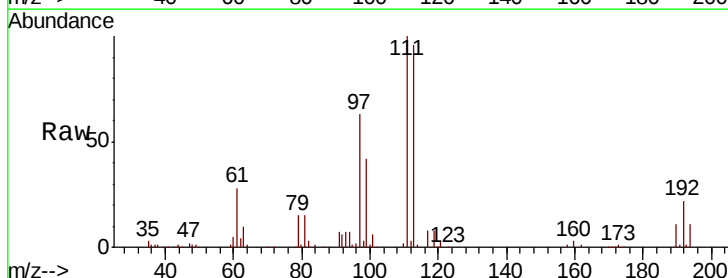
RT: 5.49 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Tgt Ion:	97	Resp:	90628
Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.0	78.0
61	44.1	34.9	52.3





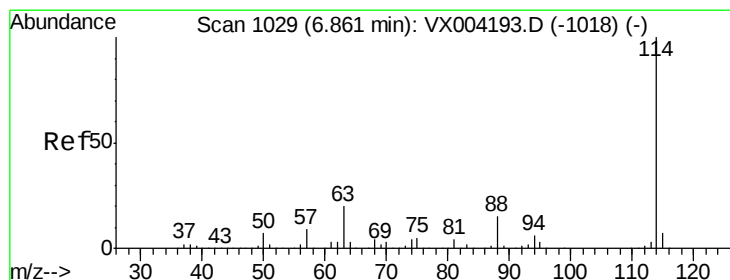
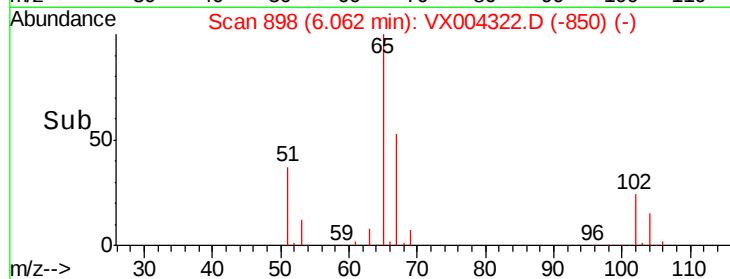
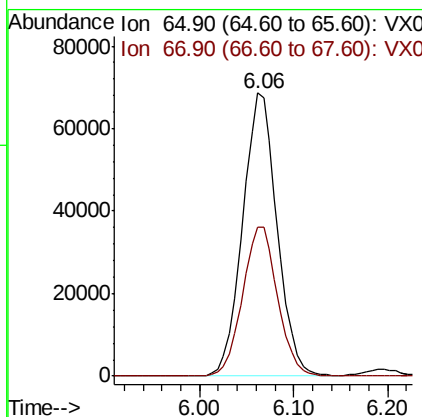
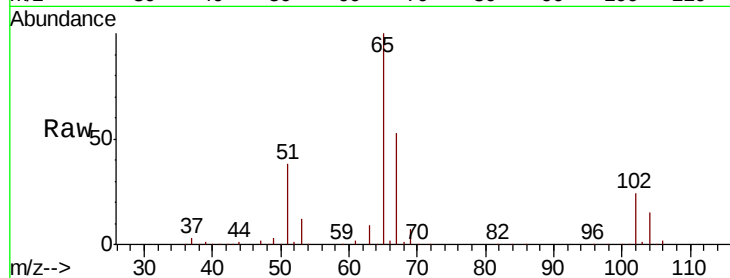
#33
 1,2-Dichloroethane-d4
 Concen: 50.53 ug/l
 RT: 6.06 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VX004322.D
 Acq: 30 Aug 2018 15:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	175263		
67	53.7	0.0	106.8	

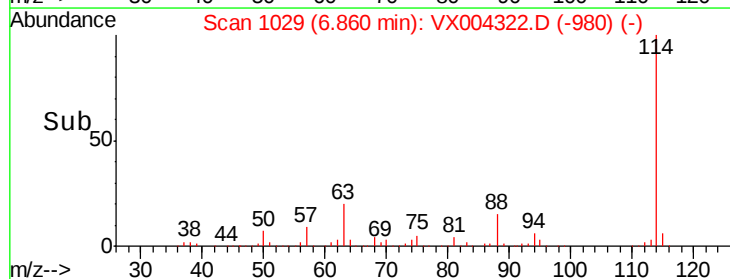
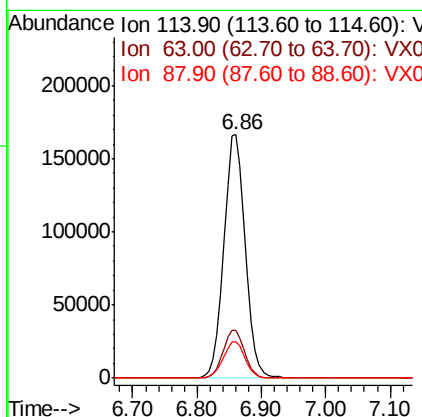
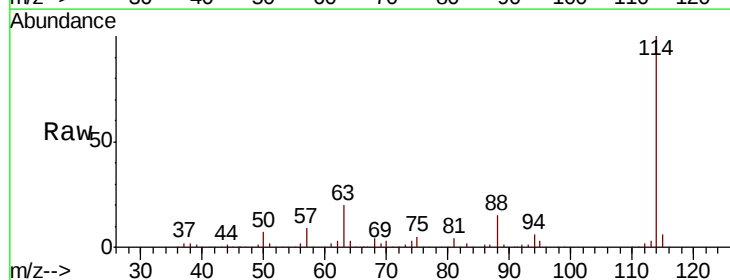
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004322.D
 Acq: 30 Aug 2018 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	393133		
63	19.7	0.0	39.0	
88	15.1	0.0	30.4	





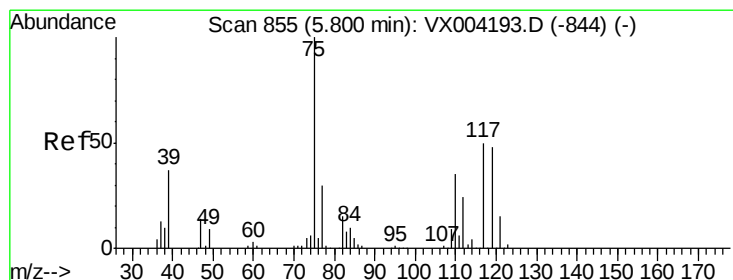
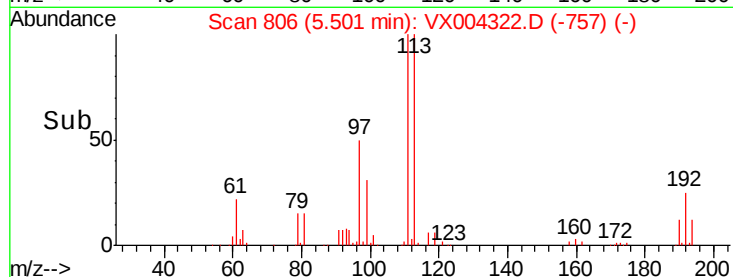
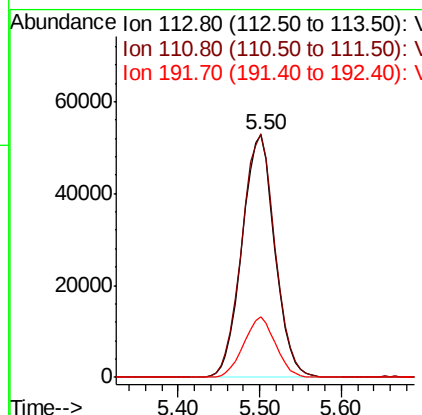
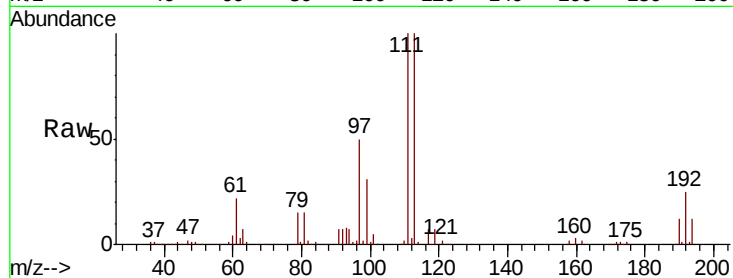
#35
 Dibromofluoromethane
 Concen: 50.29 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004322.D
 Acq: 30 Aug 2018 15:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	147078		
111	102.0	82.4	123.6	
192	24.3	19.4	29.2	

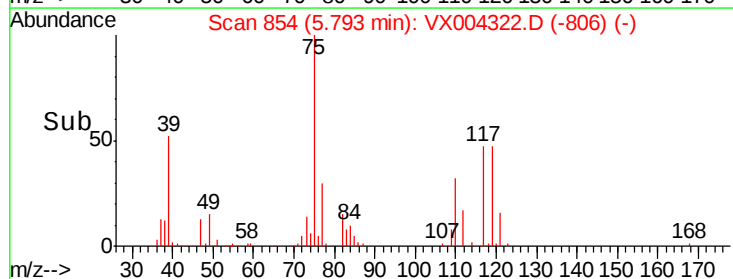
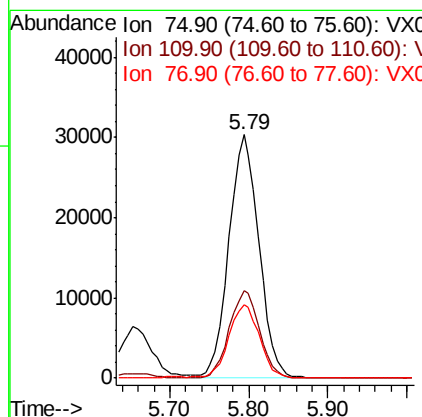
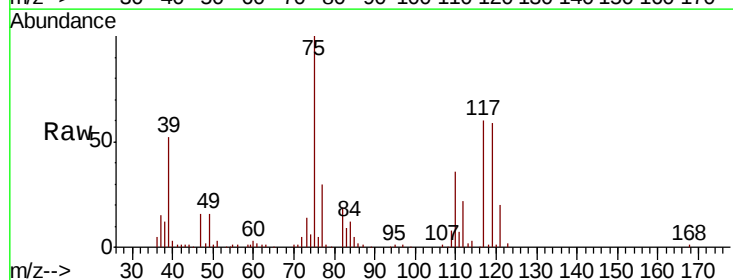
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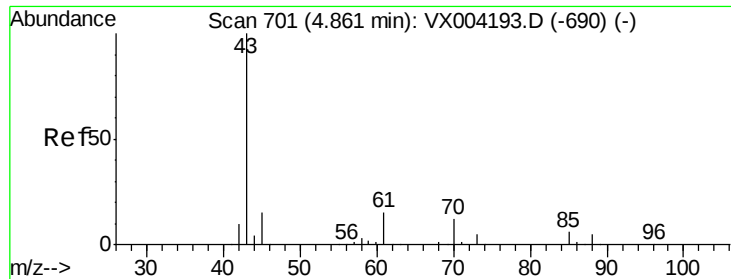
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#36
 1,1-Dichloropropene
 Concen: 18.24 ug/l
 RT: 5.79 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VX004322.D
 Acq: 30 Aug 2018 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	80636		
110	36.1	18.0	54.0	
77	30.5	24.6	36.8	





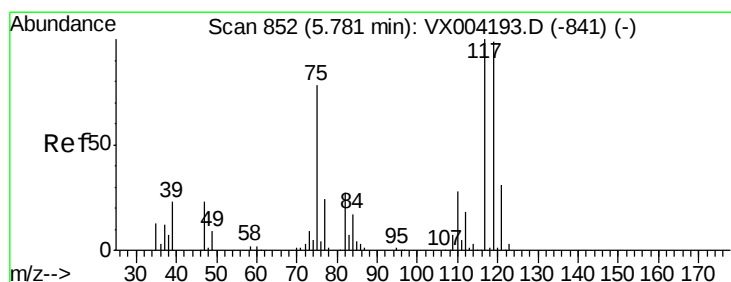
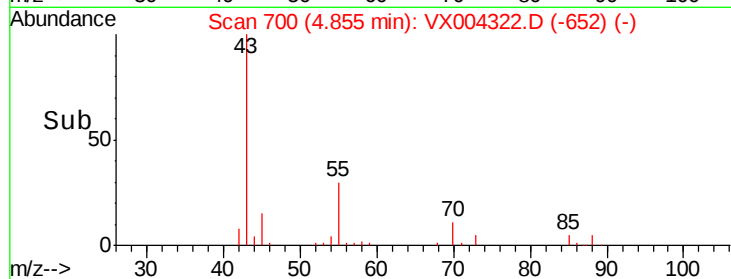
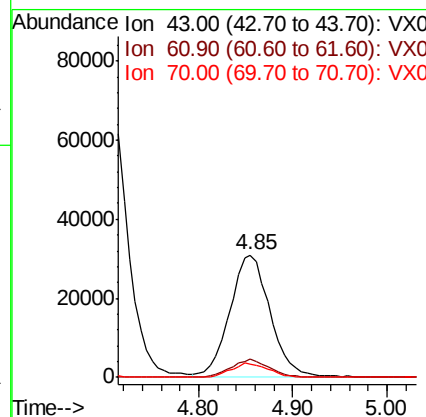
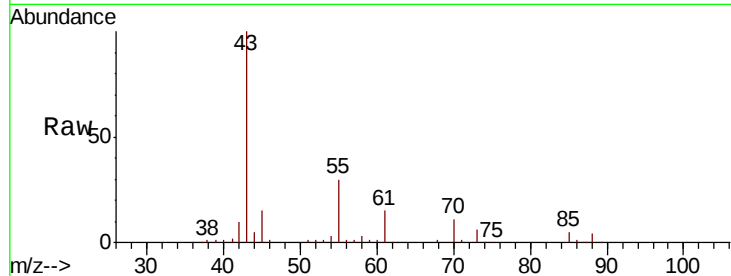
#37
Ethyl Acetate
Concen: 20.83 ug/l
RT: 4.85 min Scan# 700
Delta R.T. -0.01 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Instrument :
MSVOA_X
ClientSampleId :
VX0830WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.5	17.3
70	11.2	9.0	13.6

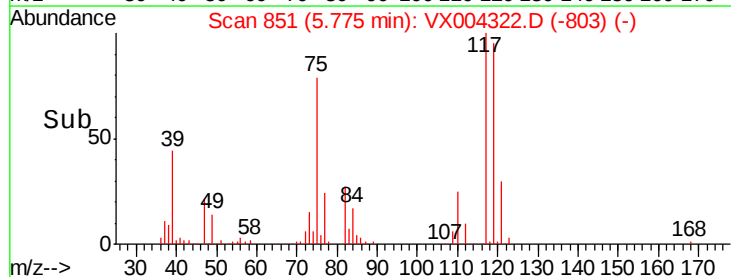
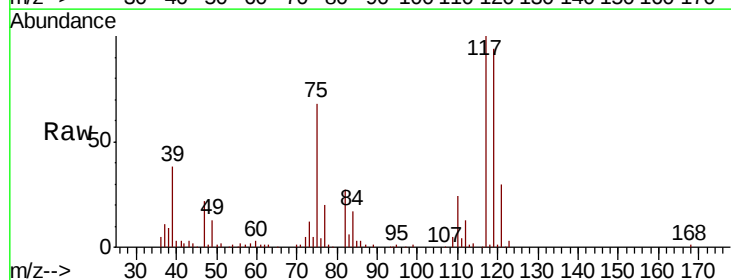
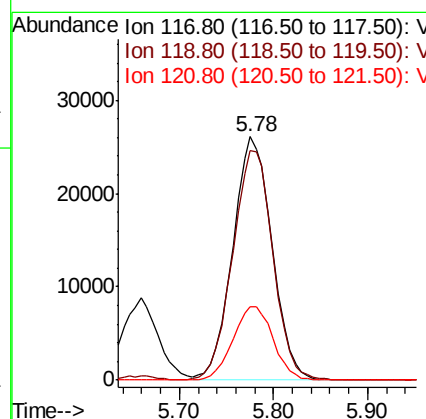
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 18.21 ug/l
RT: 5.78 min Scan# 851
Delta R.T. -0.01 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	78.8	118.2
121	30.2	24.9	37.3





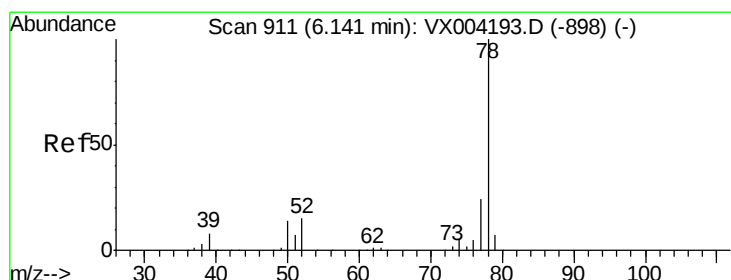
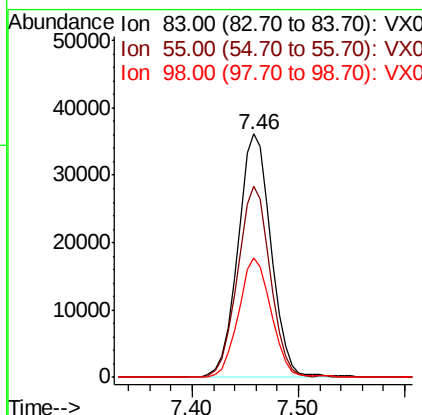
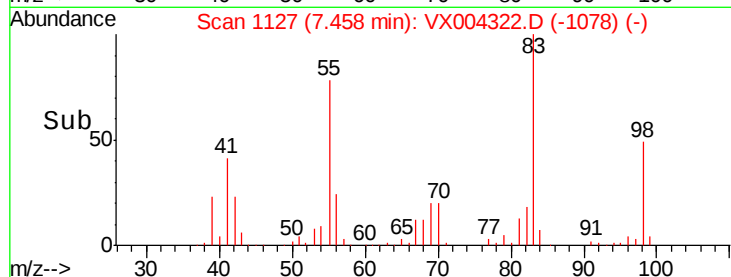
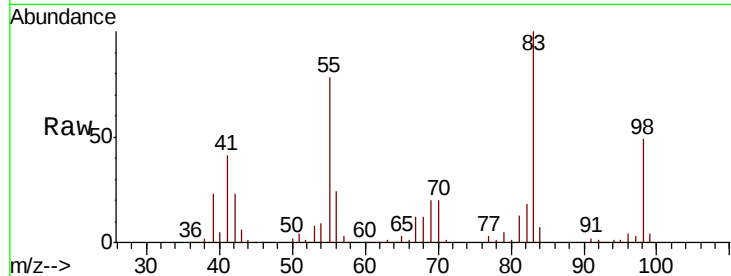
#39
Methylvlcyclohexane
Concen: 15.63 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Instrument :
MSVOA_X
ClientSampleId :
VX0830WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.5	61.0	91.4
98	48.8	39.6	59.4

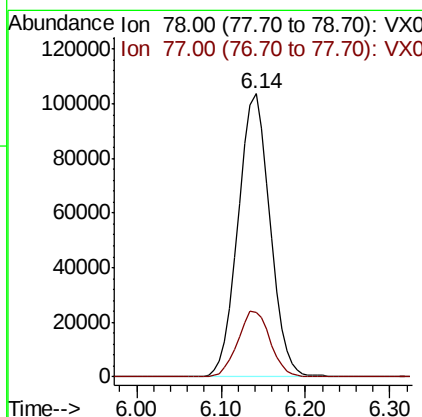
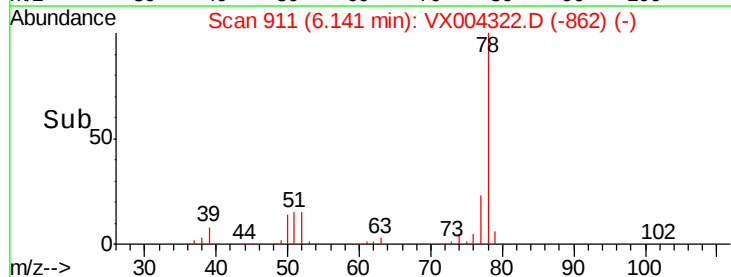
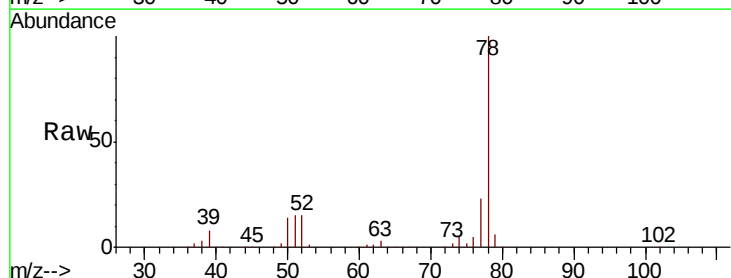
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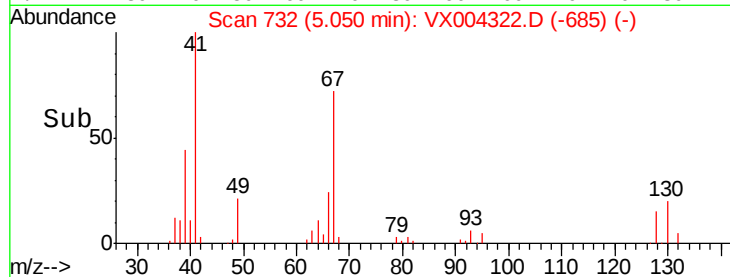
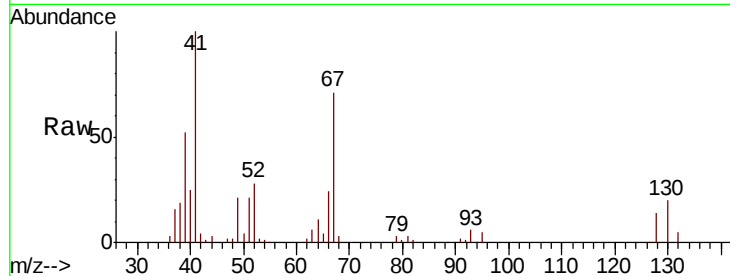
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#40
Benzene
Concen: 20.10 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.0	28.4





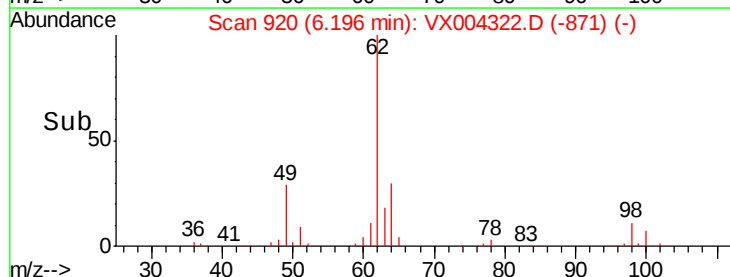
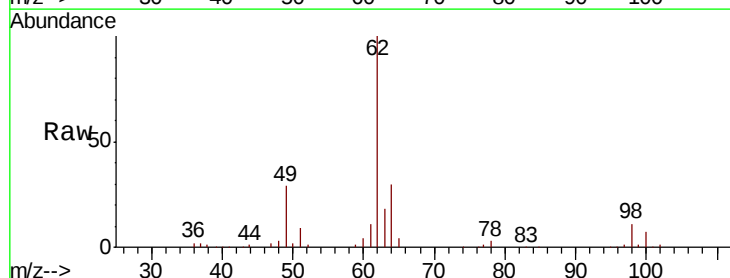
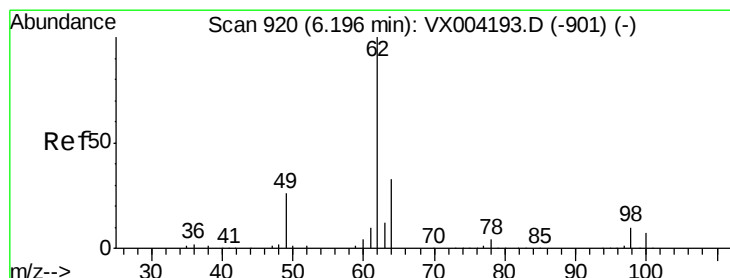
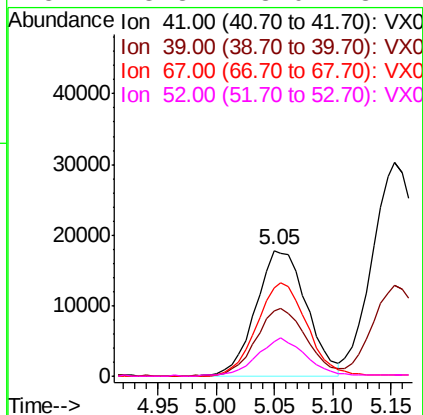
#41
Methacrylonitrile
Concen: 21.37 ug/l
RT: 5.05 min Scan# 732
Delta R.T. -0.01 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.0	42.4	63.6	
67	73.9	59.2	88.8	
52	28.3	23.0	34.4	

Instrument :
MSVOA_X
ClientSampleId :
VX0830WBS01

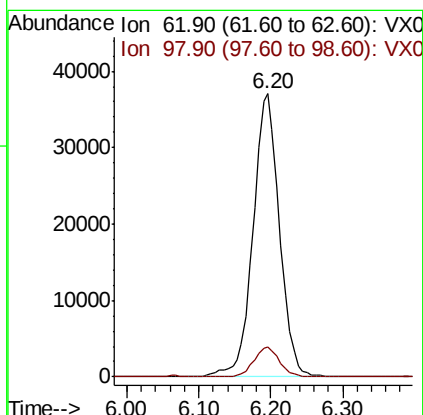
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 20.93 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	20.6	





#43

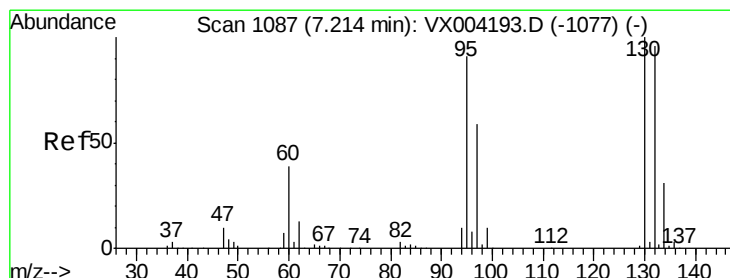
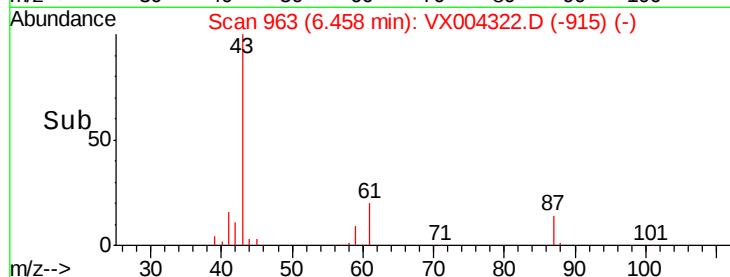
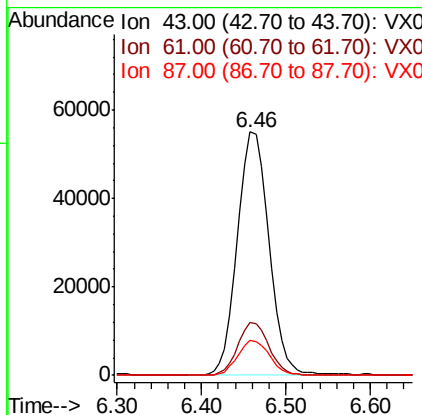
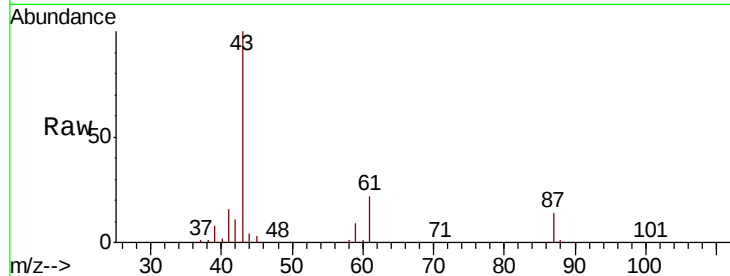
Isopropyl Acetate
 Concen: 20.97 ug/l
 RT: 6.46 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: VX004322.D
 Acq: 30 Aug 2018 15:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.3	17.0	25.4
87	14.3	11.4	17.2

Manual Integrations
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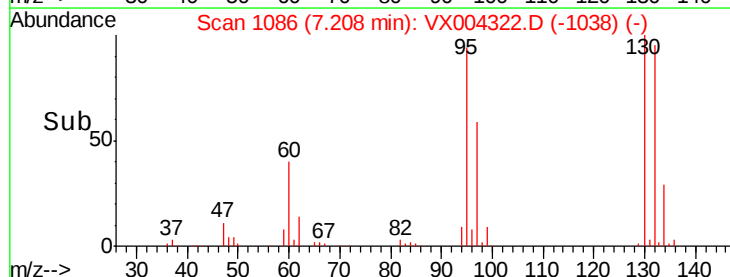
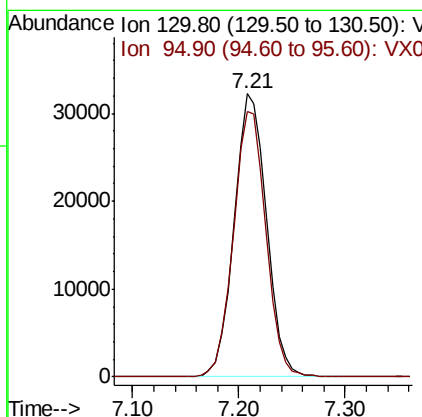
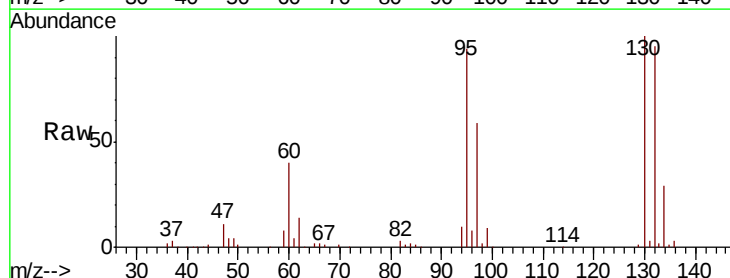
MMDadoda
 8/31/2018 4:30:14 PM



#44

Trichloroethene
 Concen: 18.86 ug/l
 RT: 7.21 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: VX004322.D
 Acq: 30 Aug 2018 15:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	181.6





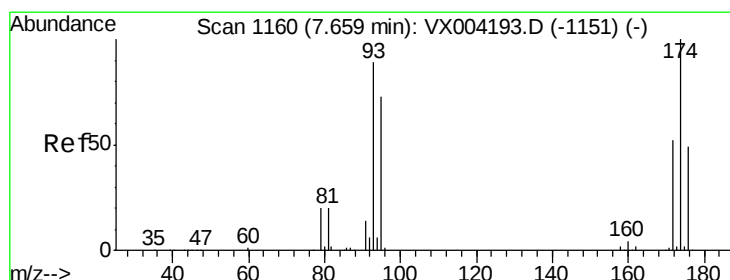
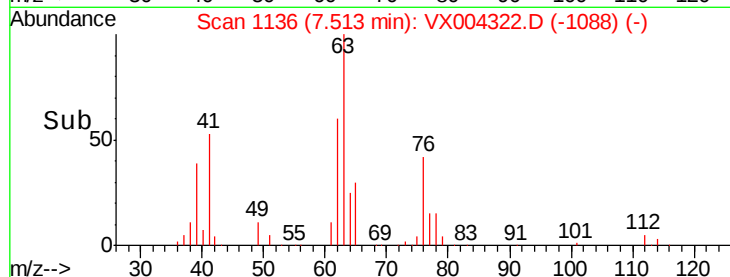
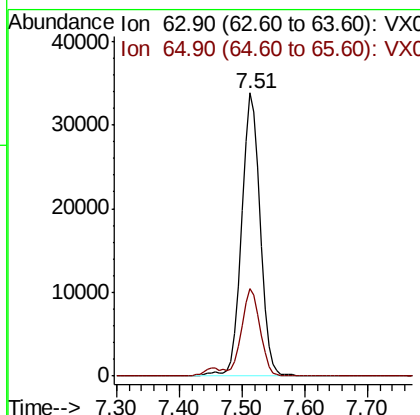
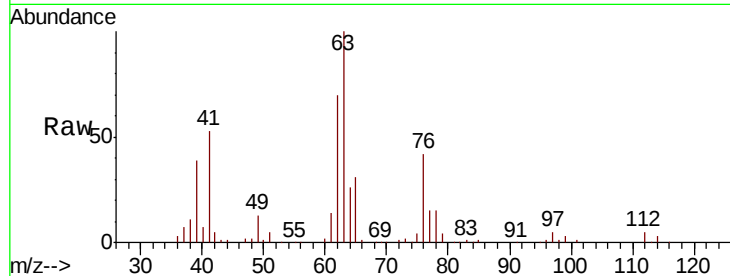
#45
 1,2-Dichloropropane
 Concen: 20.97 ug/l
 RT: 7.51 min Scan# 1136
 Delta R.T. -0.01 min
 Lab File: VX004322.D
 Acq: 30 Aug 2018 15:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.3	36.5

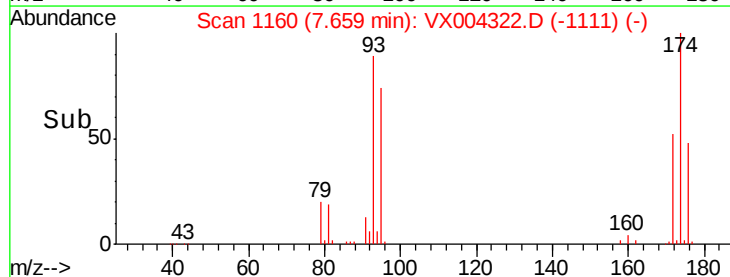
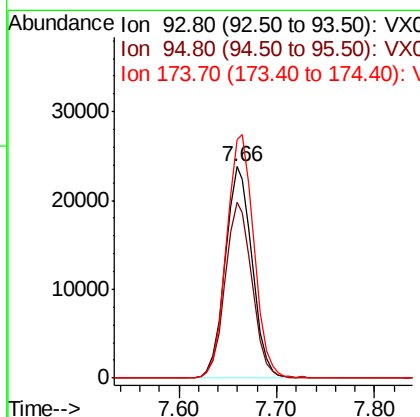
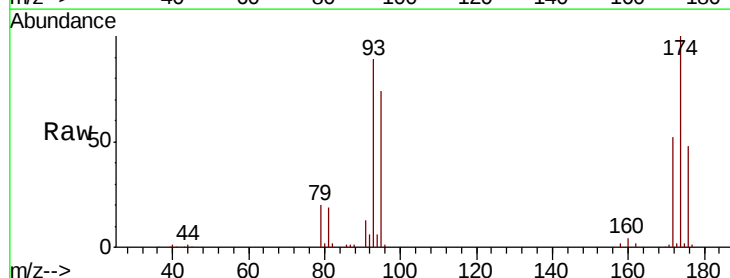
Manual Integrations
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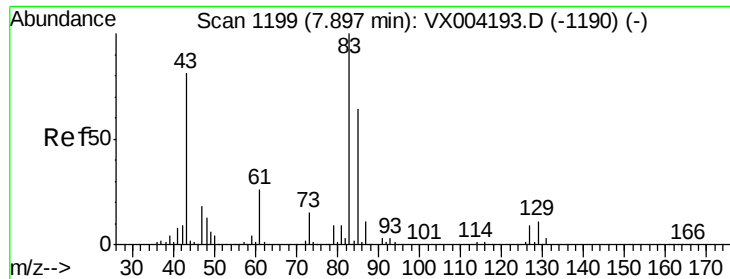
MMDadoda
 8/31/2018 4:30:14 PM



#46
 Dibromomethane
 Concen: 20.62 ug/l
 RT: 7.66 min Scan# 1160
 Delta R.T. -0.00 min
 Lab File: VX004322.D
 Acq: 30 Aug 2018 15:37

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	65.5	98.3
174	117.2	94.2	141.4





#47

Bromodichloromethane

Concen: 20.66 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

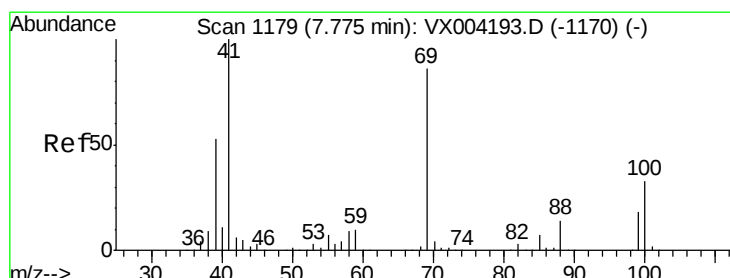
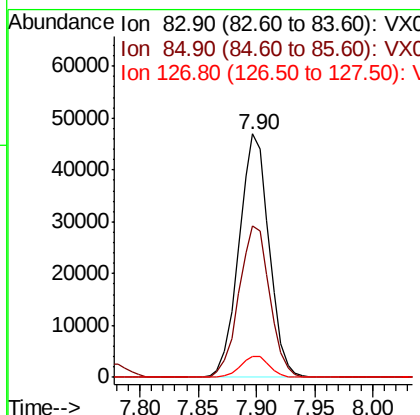
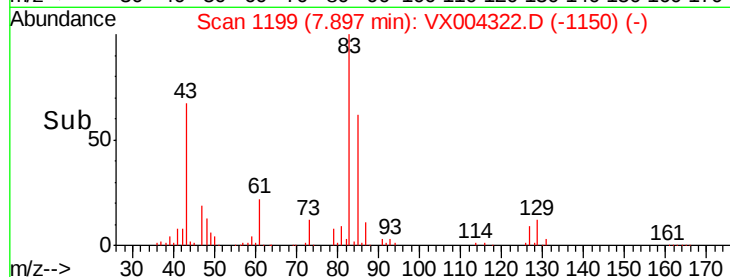
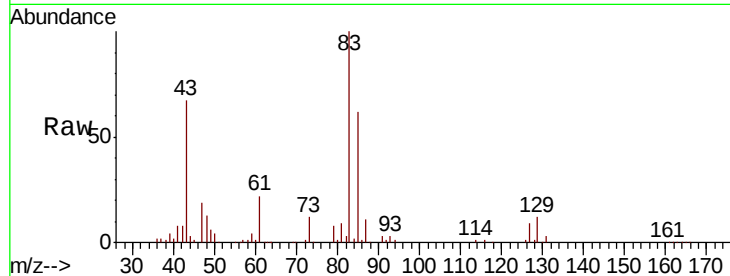
ClientSampleId :

VX0830WBS01

Tot Ion:	83	Resp:	84603
Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.9	76.3
127	8.6	7.3	10.9

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#48

Methyl methacrylate

Concen: 21.02 ug/l

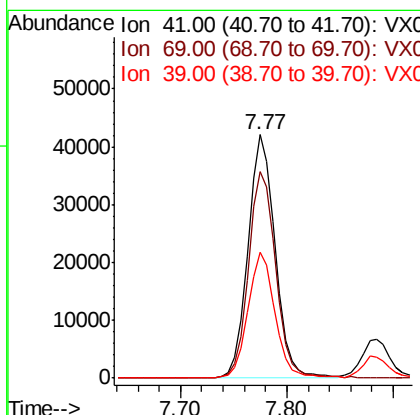
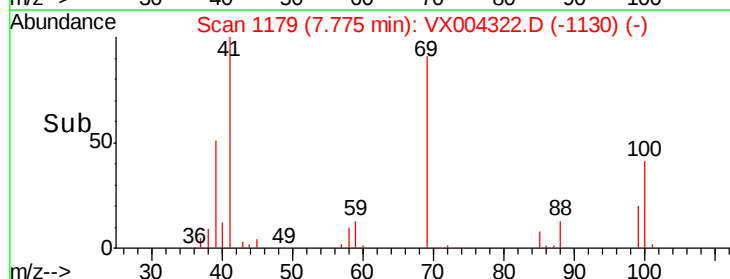
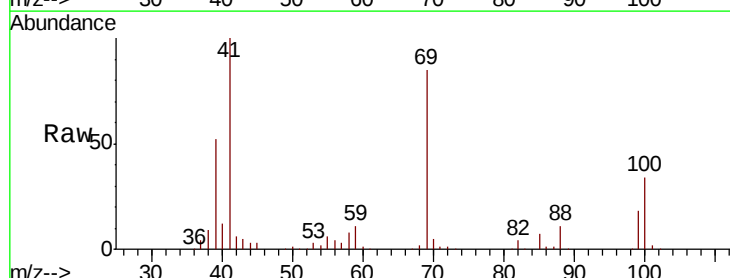
RT: 7.77 min Scan# 1179

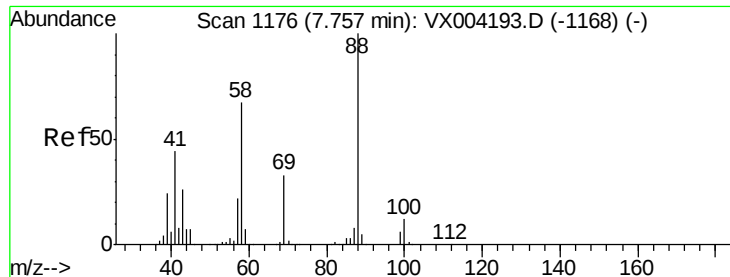
Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Tgt Ion:	41	Resp:	75112
Ion	Ratio	Lower	Upper
41	100		
69	86.2	70.2	105.4
39	51.8	42.7	64.1





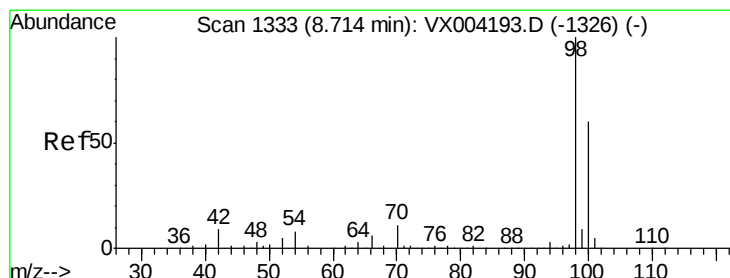
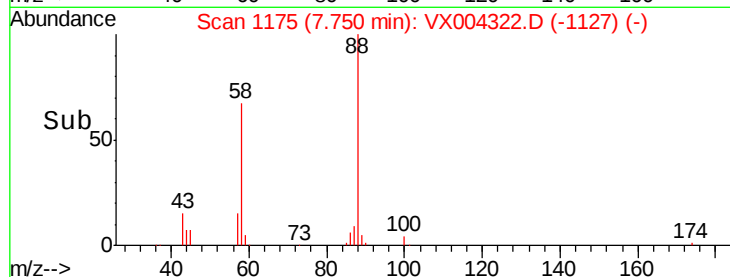
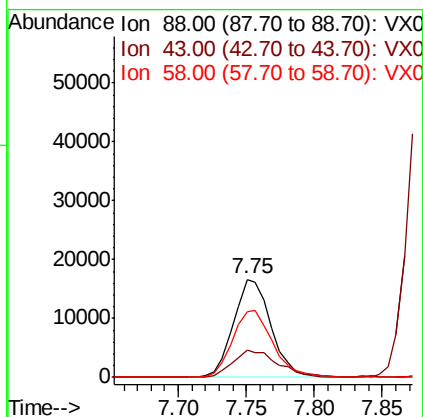
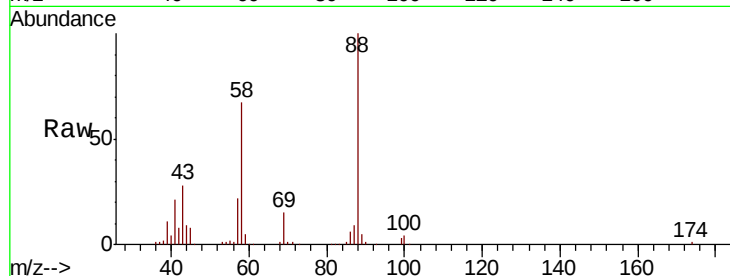
#49
 1,4-Dioxane
 Concen: 394.65 ug/l
 RT: 7.75 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: VX004322.D
 Acq: 30 Aug 2018 15:37

Instrument :
 MSVOA_X
 ClientSampled :
 VX0830WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.7	24.7	37.1
58	73.1	55.3	82.9

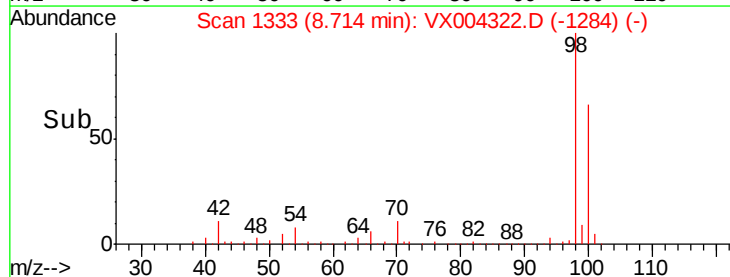
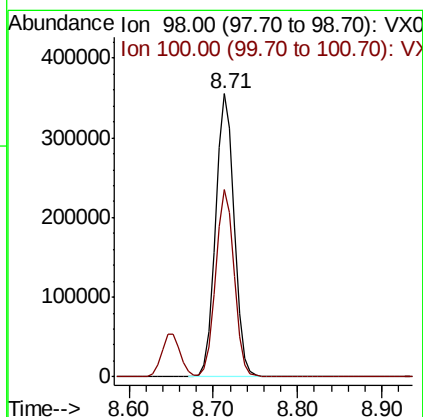
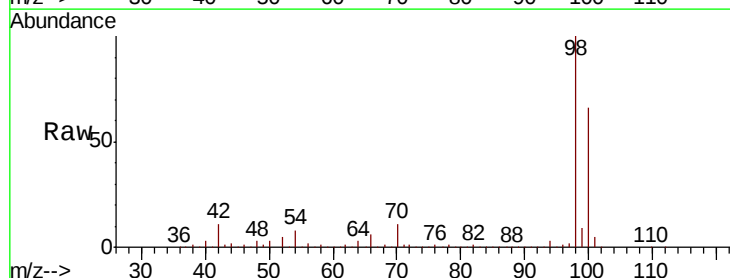
Manual Integrations
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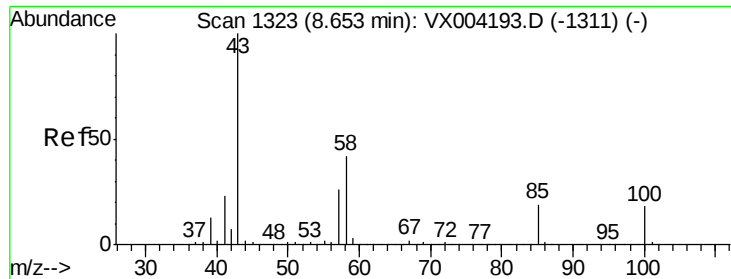
MMDadoda
 8/31/2018 4:30:14 PM



#50
 Toluene-d8
 Concen: 49.34 ug/l
 RT: 8.71 min Scan# 1333
 Delta R.T. -0.00 min
 Lab File: VX004322.D
 Acq: 30 Aug 2018 15:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 101.35 ug/l

RT: 8.65 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0830WBS01

Tot Ion: 43 Resp: 491840

Ion Ratio Lower Upper

43 100

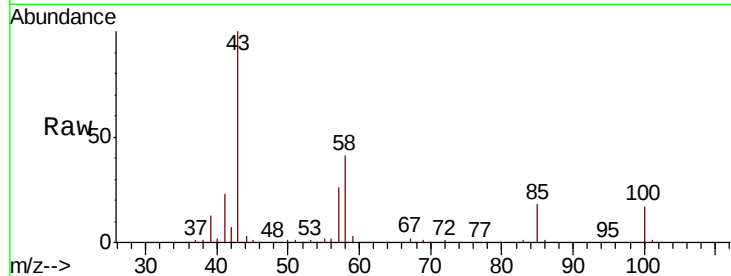
58 40.7 33.1 49.7

Manual Integrations

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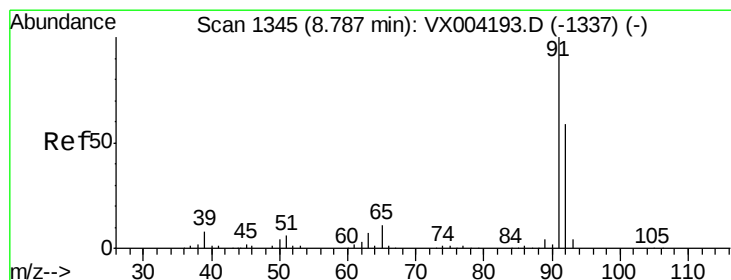
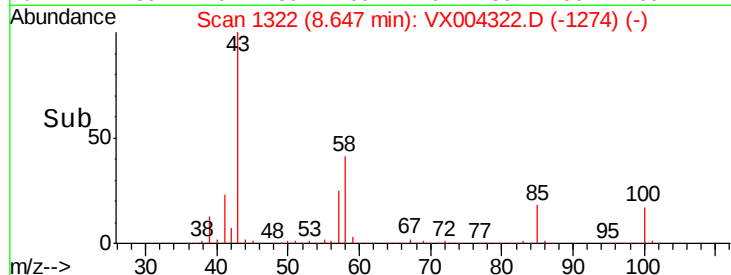
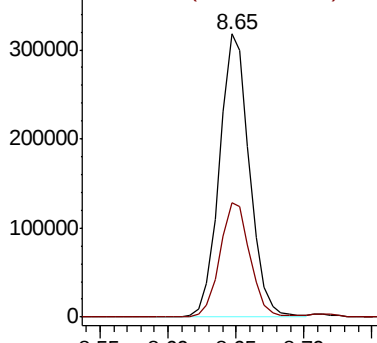
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.31 ug/l

RT: 8.78 min Scan# 1344

Delta R.T. -0.01 min

Lab File: VX004322.D

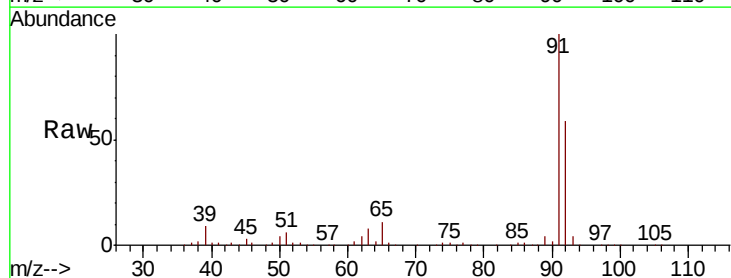
Acq: 30 Aug 2018 15:37

Tgt Ion: 92 Resp: 167900

Ion Ratio Lower Upper

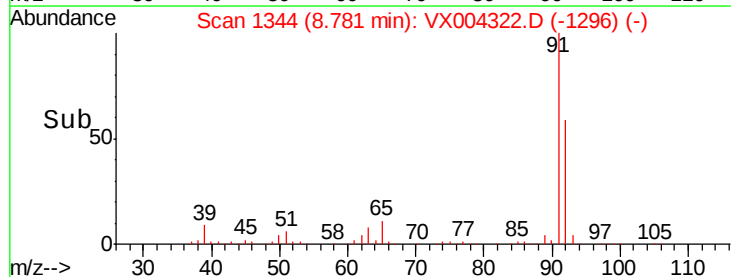
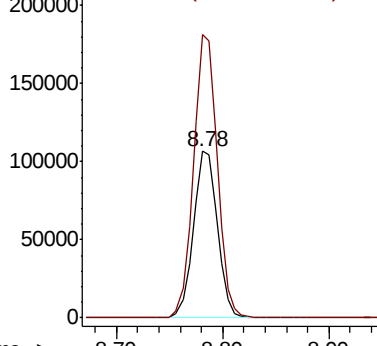
92 100

91 169.3 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





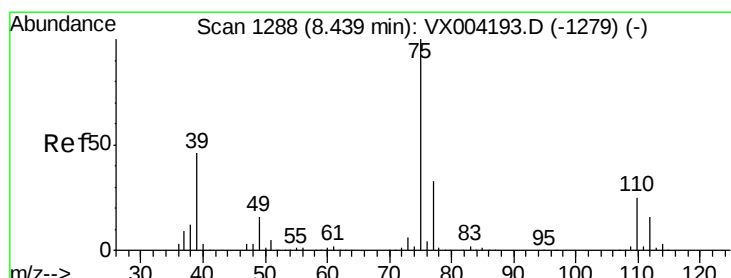
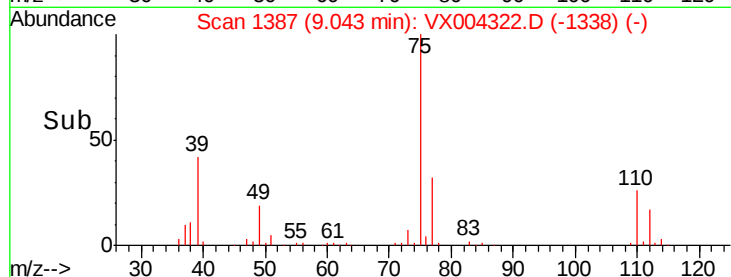
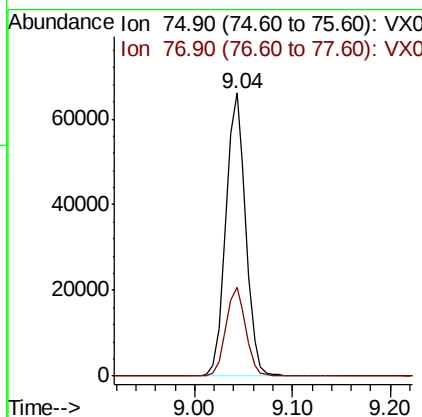
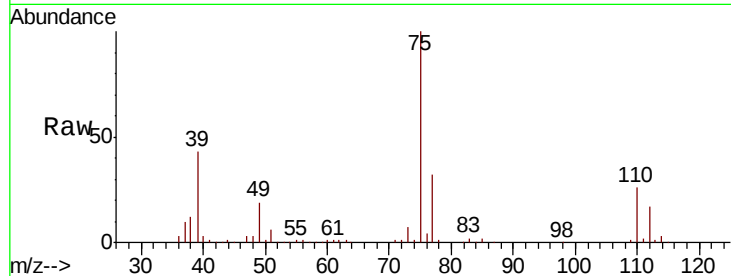
#53
 t-1,3-Dichloropropene
 Concen: 20.48 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX004322.D
 Acq: 30 Aug 2018 15:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830WBS01

Tot Ion: 75 Resp: 92641
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.6 37.0

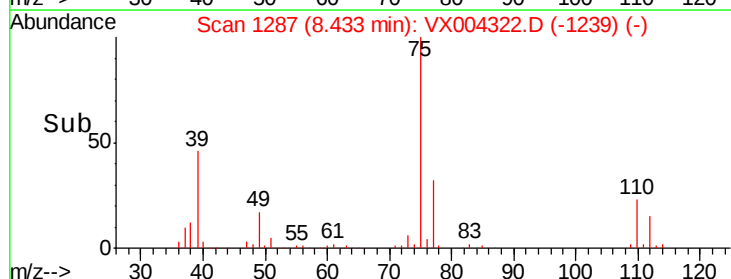
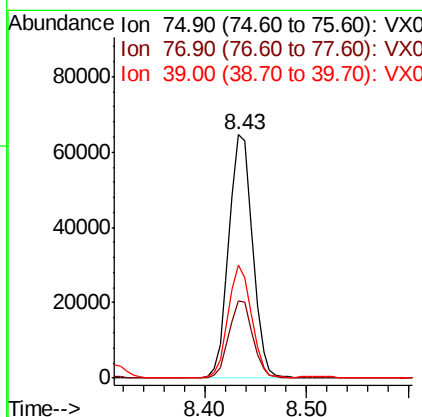
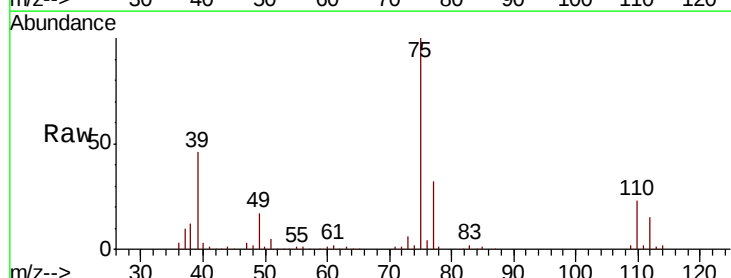
Manual Integrations
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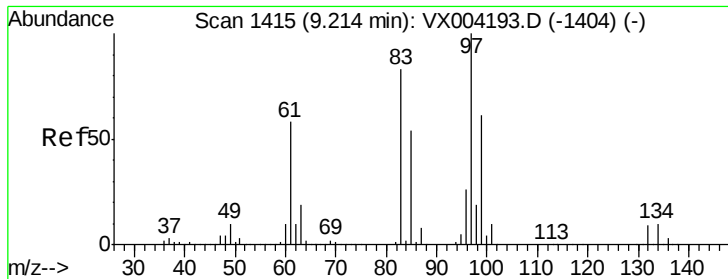
MMDadoda
 8/31/2018 4:30:14 PM



#54
 cis-1,3-Dichloropropene
 Concen: 21.13 ug/l
 RT: 8.43 min Scan# 1287
 Delta R.T. -0.01 min
 Lab File: VX004322.D
 Acq: 30 Aug 2018 15:37

Tgt Ion: 75 Resp: 104083
 Ion Ratio Lower Upper
 75 100
 77 31.7 26.2 39.2
 39 46.2 36.4 54.6





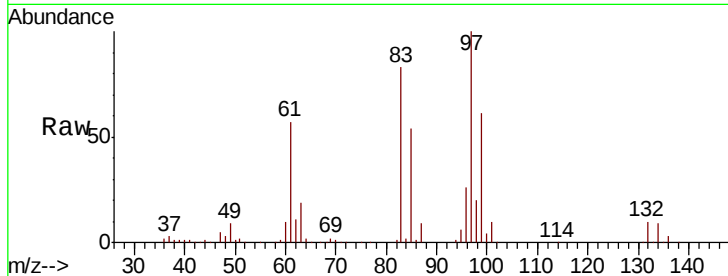
#55
 1,1,2-Trichloroethane
 Concen: 21.54 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VX004322.D
 Acq: 30 Aug 2018 15:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830WBS01

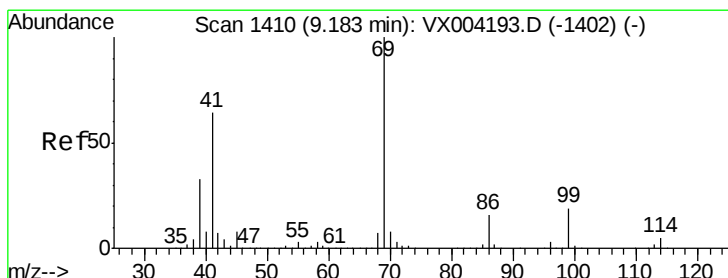
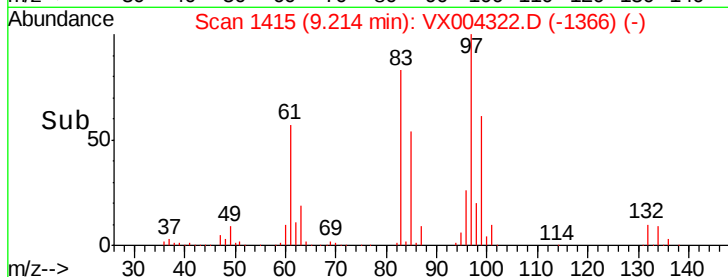
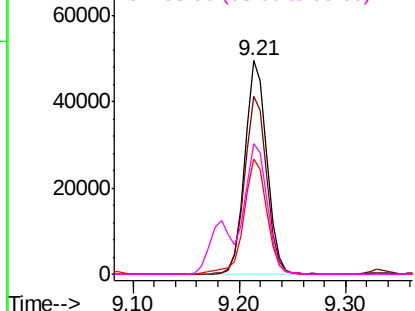
Tot Ion:	97	Resp:	71884
Ion	Ratio	Lower	Upper
97	100		
83	83.2	66.4	99.6
85	54.2	43.3	64.9
99	61.3	49.0	73.4

Manual Integrations
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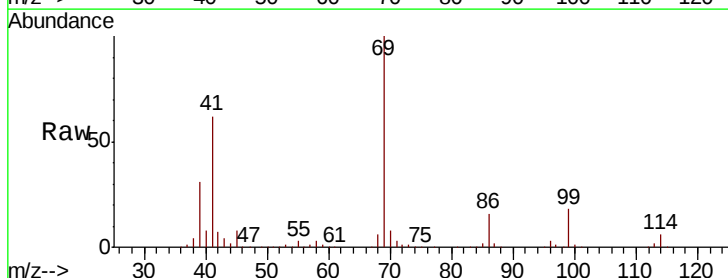


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

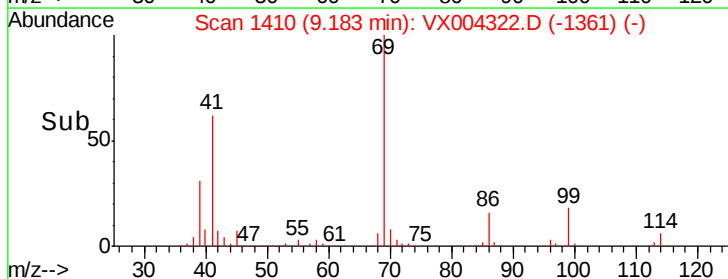
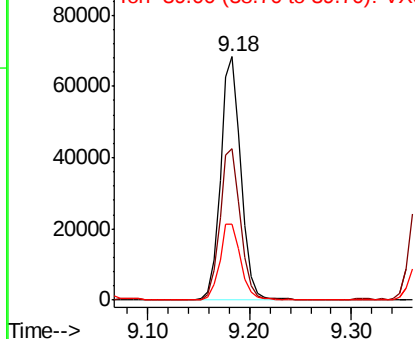


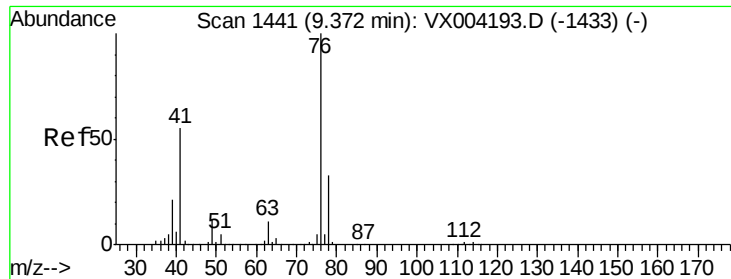
#56
 Ethyl methacrylate
 Concen: 20.90 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004322.D
 Acq: 30 Aug 2018 15:37

Tgt Ion:	69	Resp:	94937
Ion	Ratio	Lower	Upper
69	100		
41	63.4	51.0	76.4
39	32.2	26.1	39.1



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





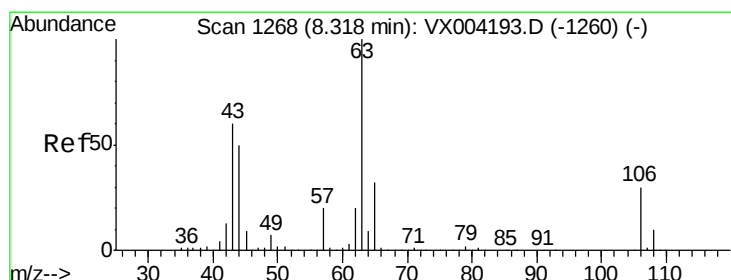
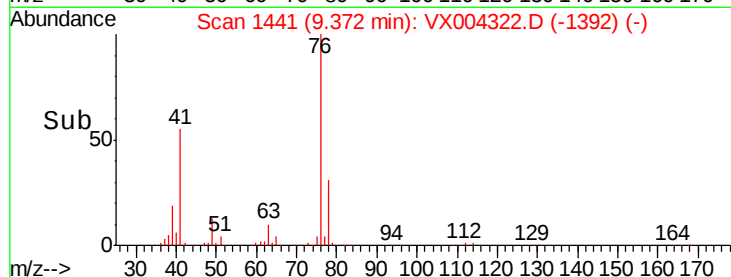
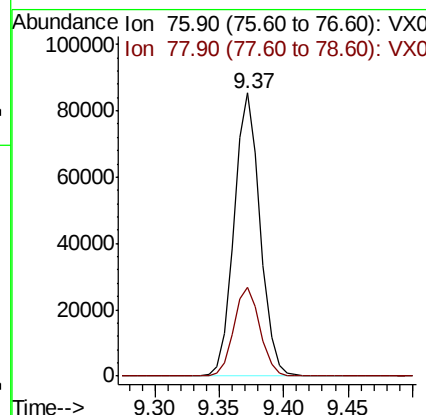
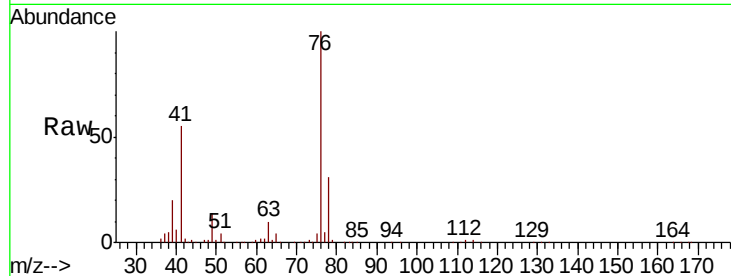
#57
 1,3-Dichloropropane
 Concen: 21.45 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004322.D
 Acq: 30 Aug 2018 15:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3

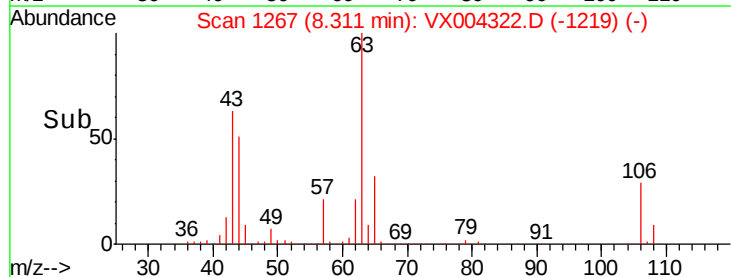
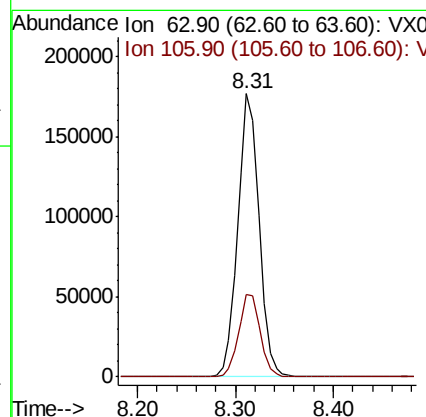
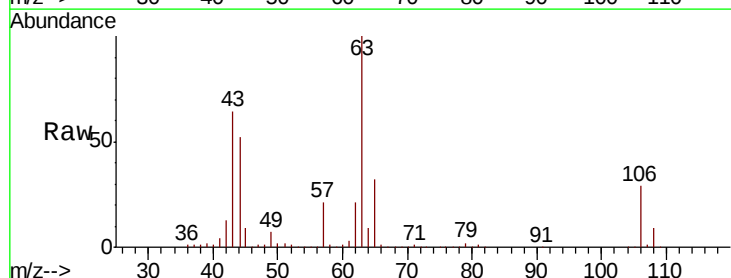
Manual Integrations
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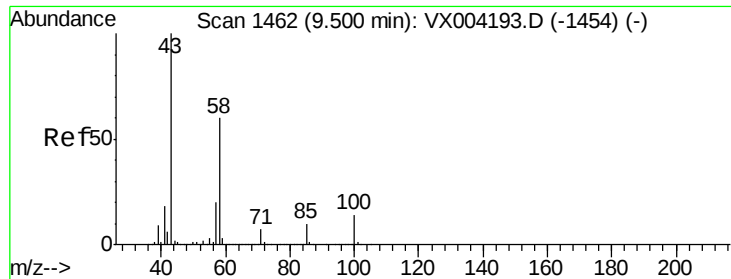
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 8/31/2018 4:30:14 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 114.63 ug/l
 RT: 8.31 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VX004322.D
 Acq: 30 Aug 2018 15:37

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.7	23.9	35.9





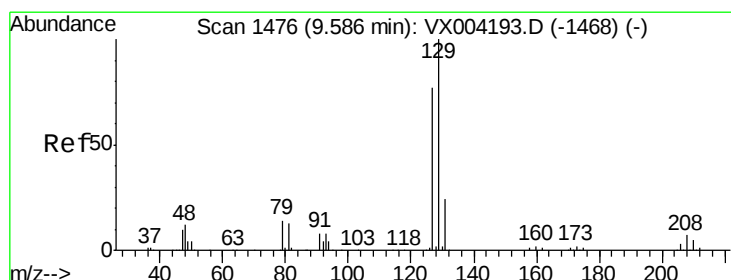
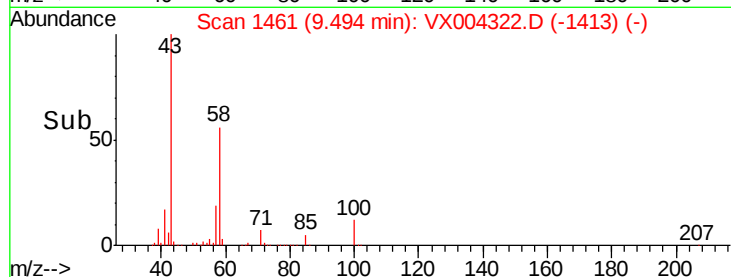
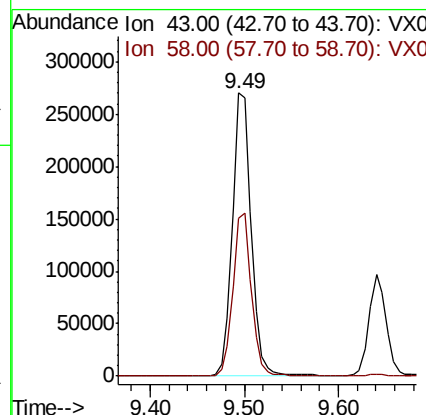
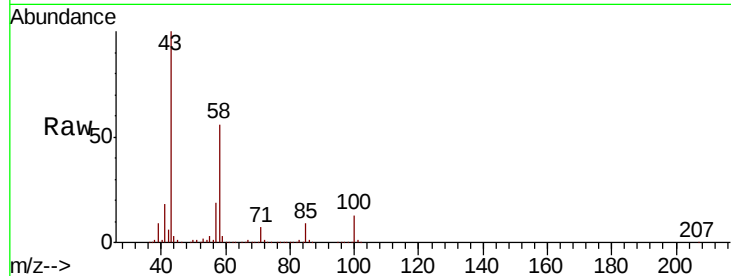
#59
2-Hexanone
Concen: 101.63 ug/l
RT: 9.49 min Scan# 1461
Delta R.T. -0.01 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Instrument :
MSVOA_X
ClientSampleId :
VX0830WBS01

Tot Ion: 43 Resp: 376261
Ion Ratio Lower Upper
43 100
58 56.8 29.0 87.0

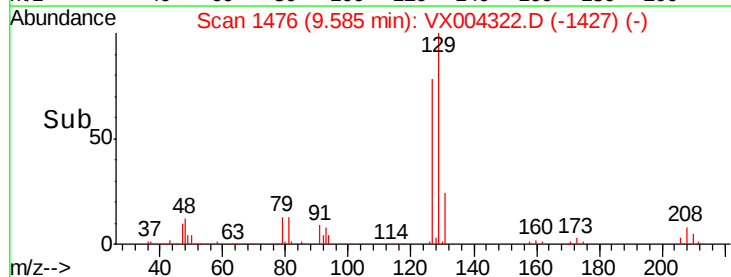
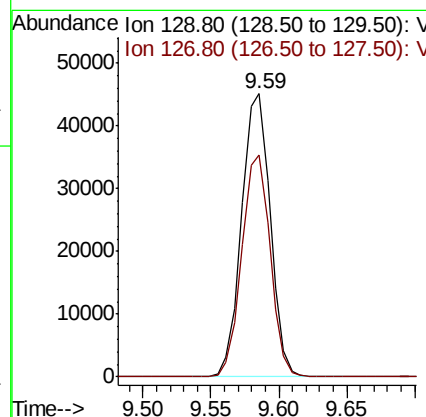
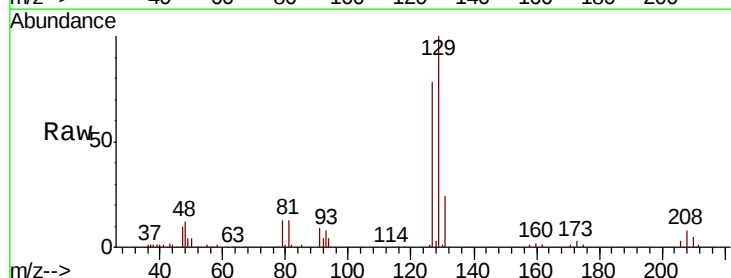
Manual Integrations
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8/31/2018 4:30:14 PM



#60
Dibromochloromethane
Concen: 20.47 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Tgt Ion: 129 Resp: 66544
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 21.10 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0830WBS01

Tot Ion:107 Resp: 72869

Ion Ratio Lower Upper

107 100

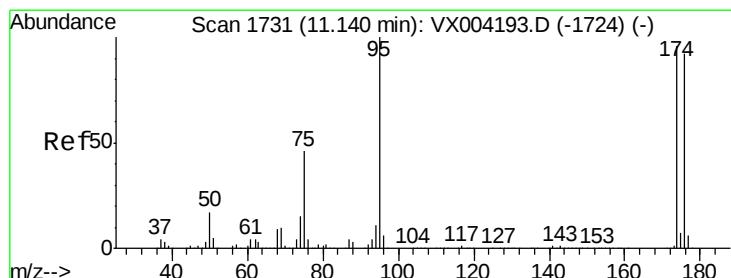
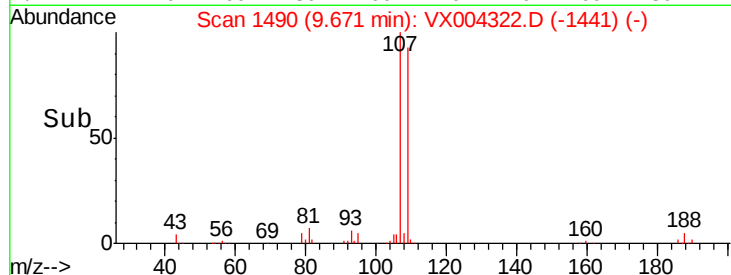
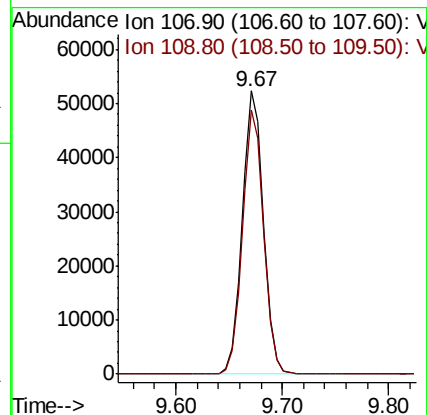
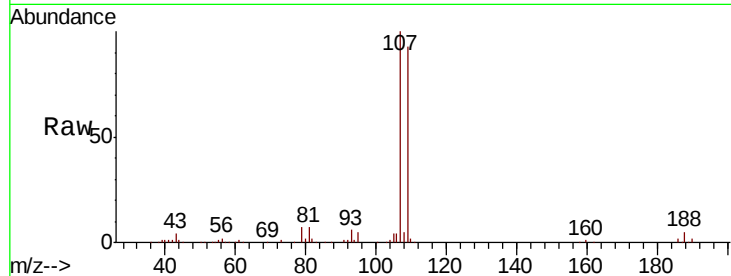
109 93.1 76.0 114.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 50.52 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

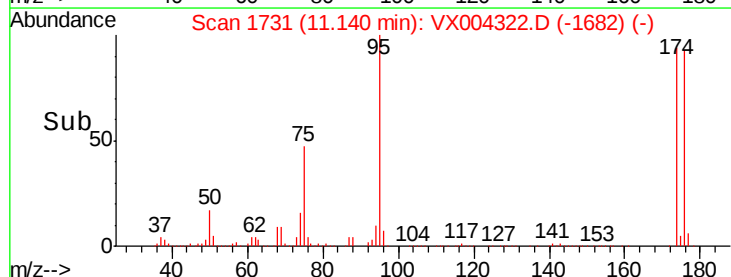
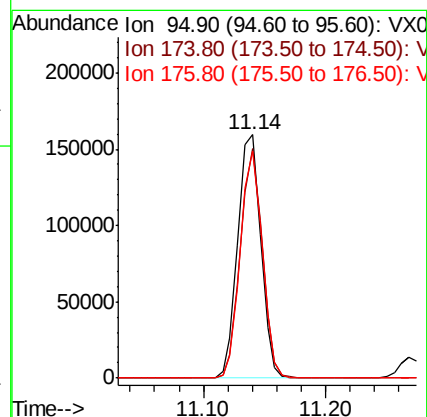
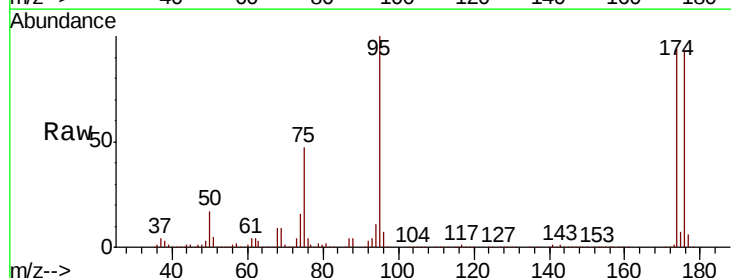
Tgt Ion: 95 Resp: 208108

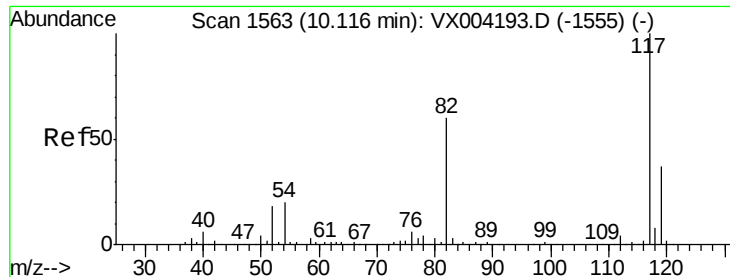
Ion Ratio Lower Upper

95 100

174 89.9 0.0 185.2

176 88.8 0.0 178.6





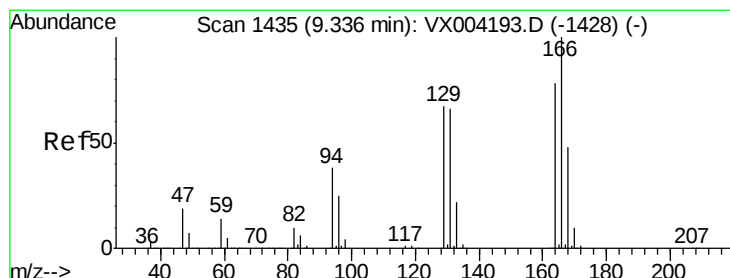
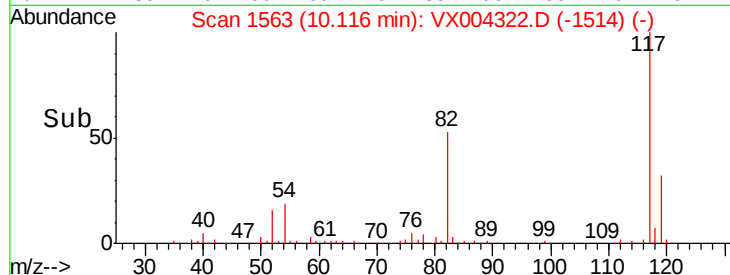
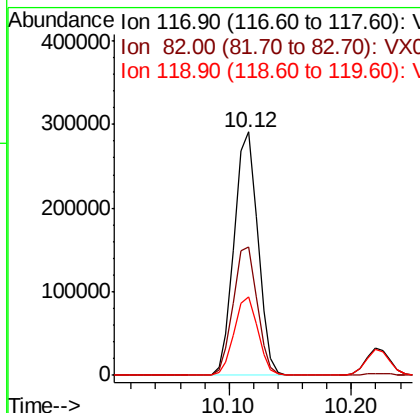
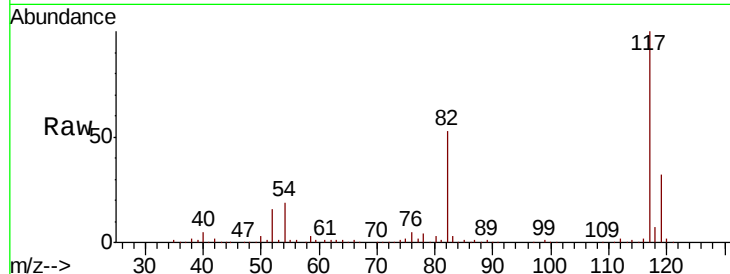
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Instrument :
MSVOA_X
ClientSampleId :
VX0830WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	47.8	71.6
119	32.2	29.3	43.9

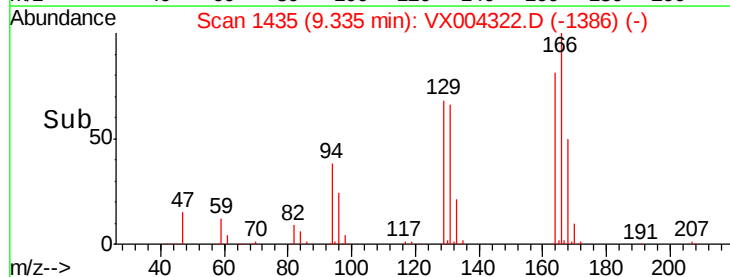
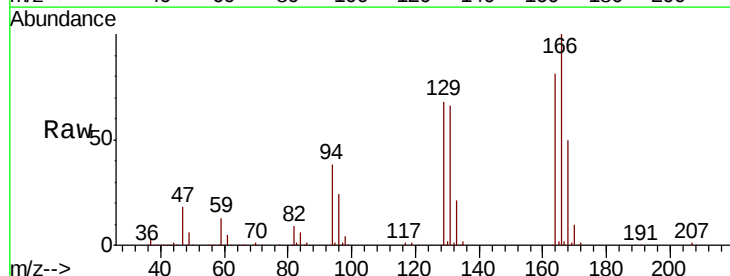
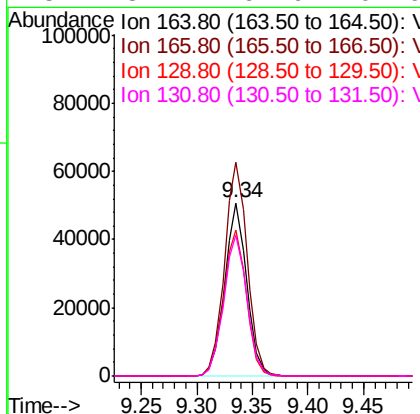
Manual Integrations
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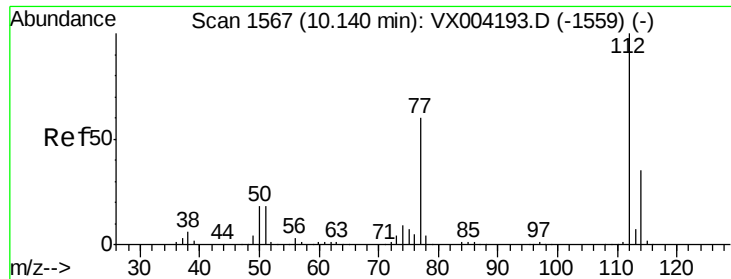
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#64
Tetrachloroethene
Concen: 18.03 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.4	102.8	154.2
129	84.0	69.4	104.0
131	81.2	67.9	101.9





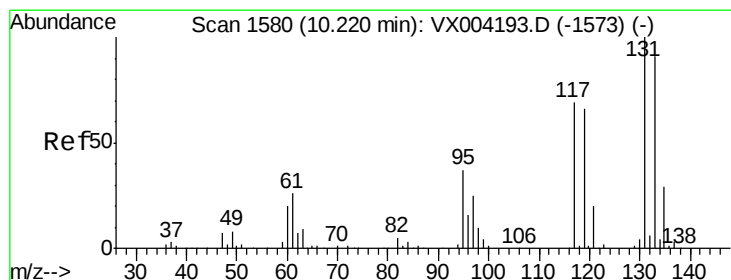
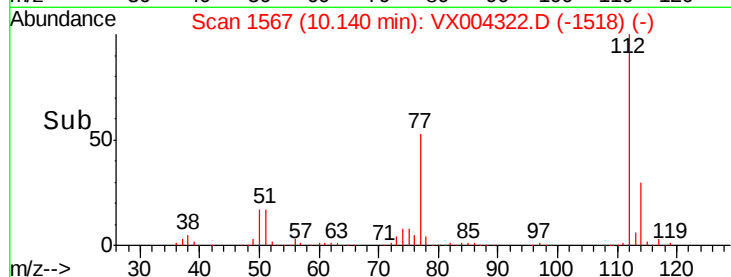
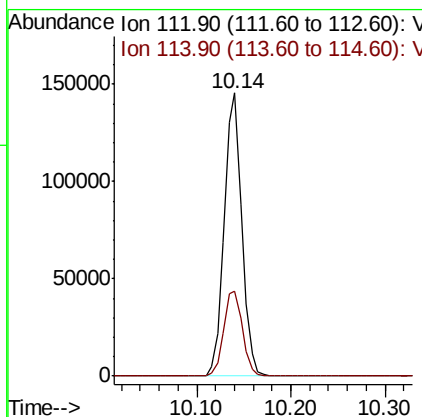
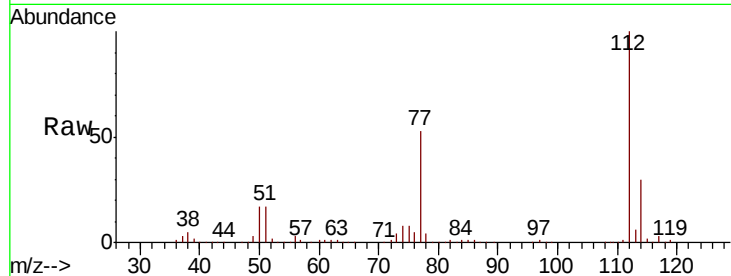
#65
Chlorobenzene
Concen: 19.28 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Instrument :
MSVOA_X
ClientSampleId :
VX0830WBS01

Tot Ion:112 Resp: 188533
Ion Ratio Lower Upper
112 100
114 30.0 27.8 41.8

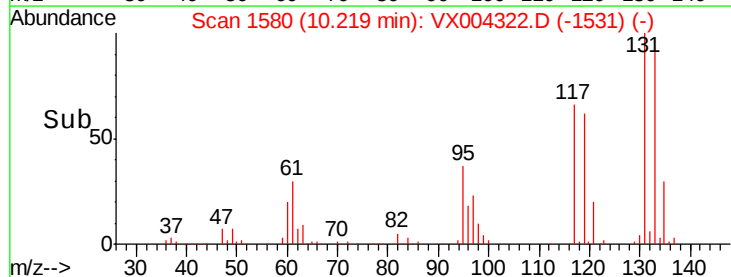
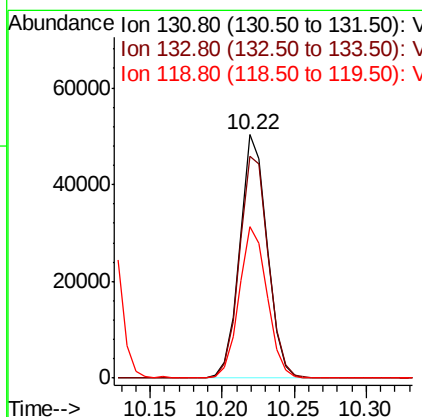
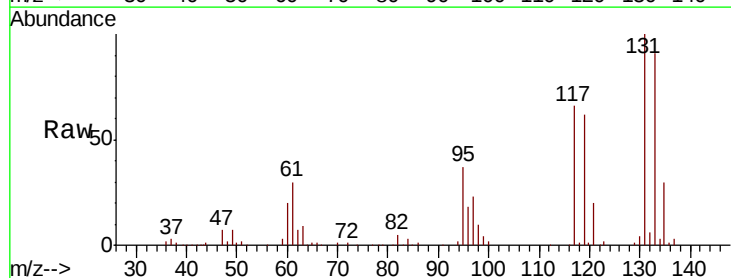
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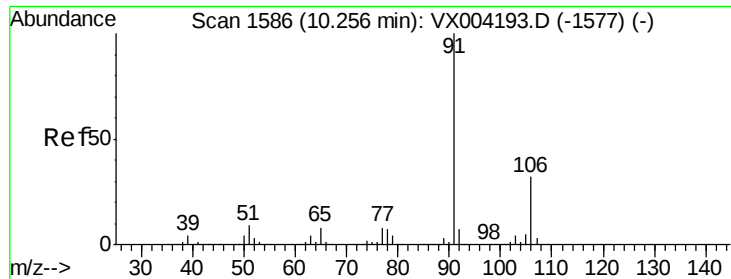
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.64 ug/l
RT: 10.22 min Scan# 1580
Delta R.T. -0.00 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Tgt Ion:131 Resp: 66263
Ion Ratio Lower Upper
131 100
133 95.8 48.1 144.4
119 63.7 32.9 98.6





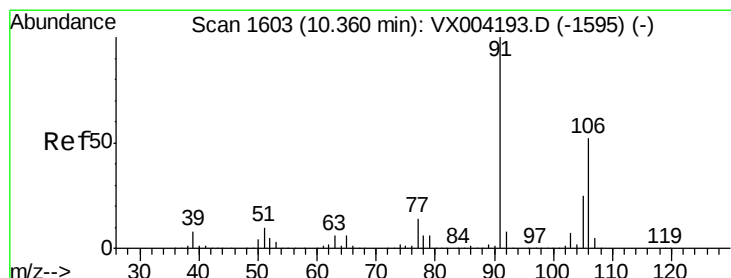
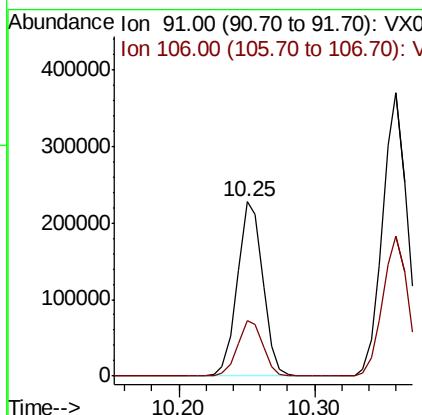
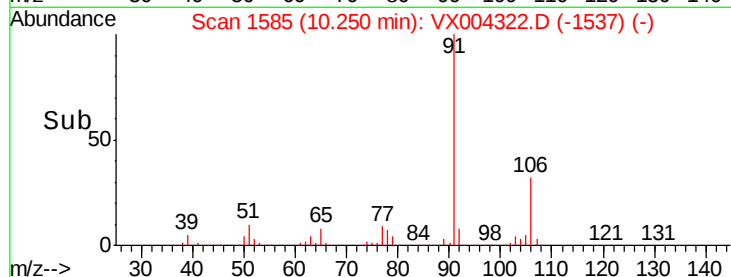
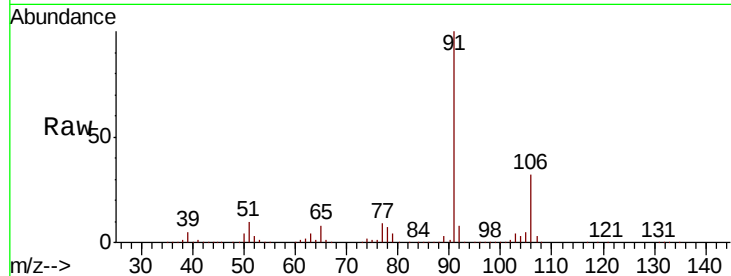
#67
Ethyl Benzene
Concen: 18.69 ug/l
RT: 10.25 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Instrument :
MSVOA_X
ClientSampled :
VX0830WBS01

Tot Ion: 91 Resp: 296811
Ion Ratio Lower Upper
91 100
106 31.9 25.9 38.9

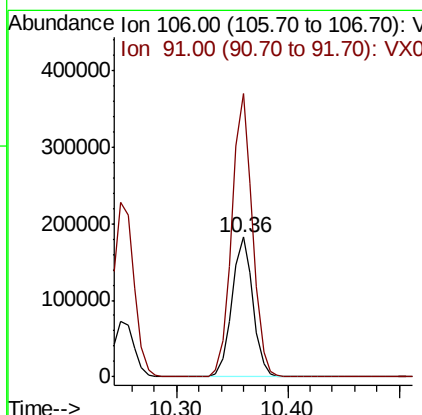
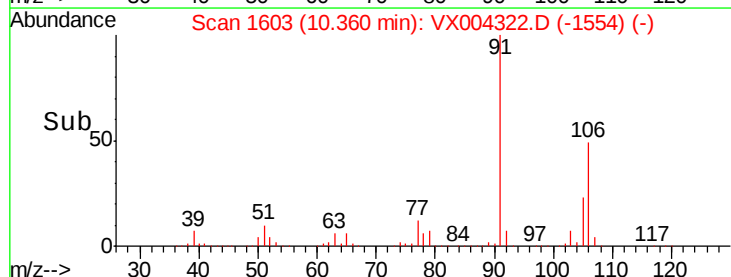
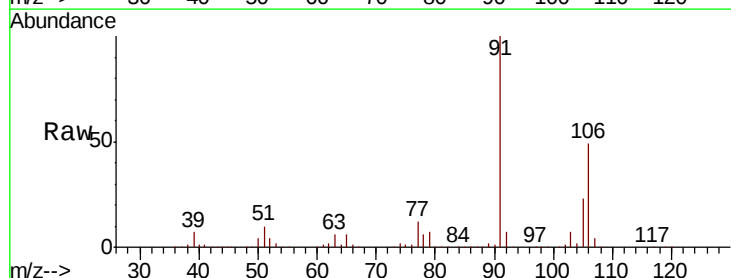
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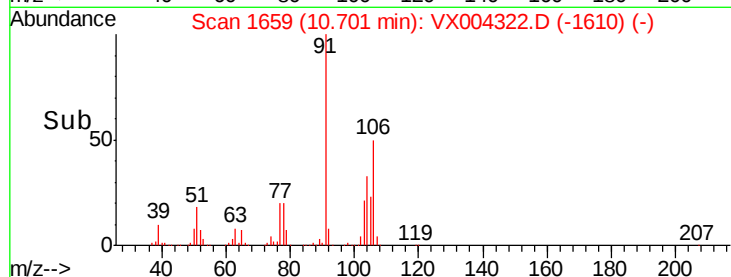
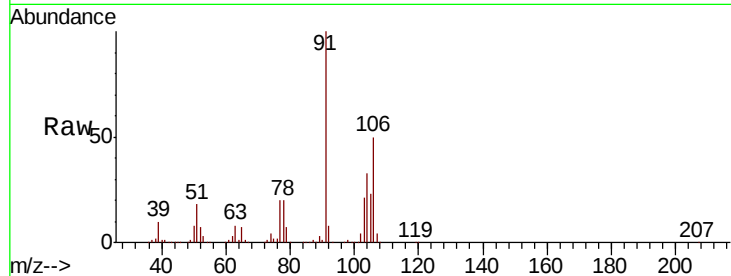
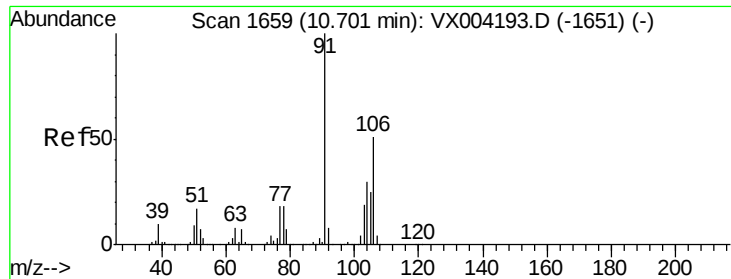
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#68
m/p-Xylenes
Concen: 38.14 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Tgt Ion: 106 Resp: 236899
Ion Ratio Lower Upper
106 100
91 199.3 157.1 235.7





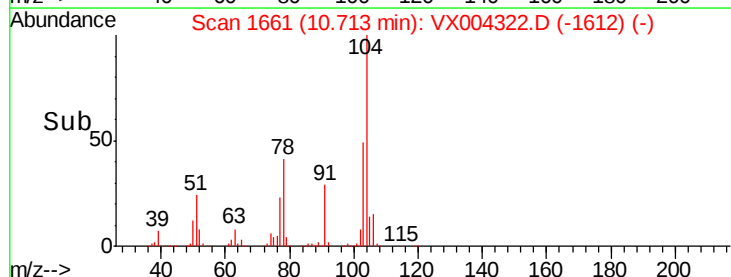
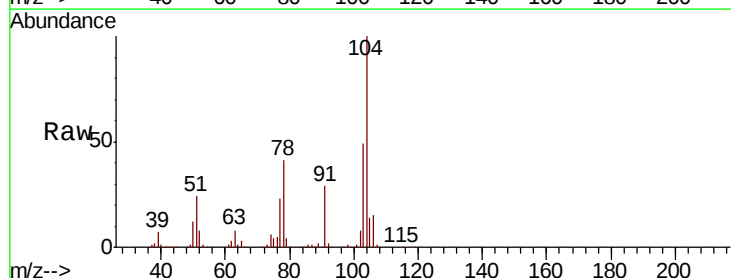
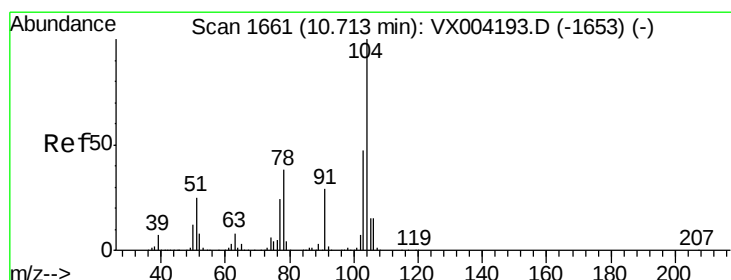
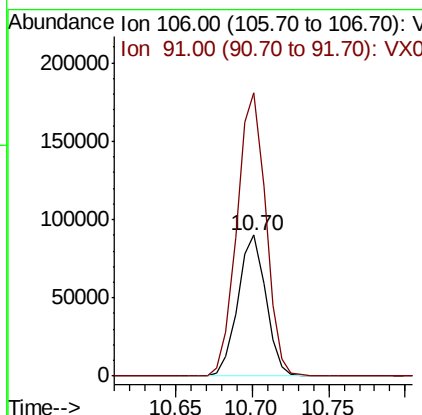
#69
o-Xylene
Concen: 19.44 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Tot Ion:106 Resp: 114191
Ion Ratio Lower Upper
106 100
91 207.7 105.1 315.1

Instrument :
MSVOA_X
ClientSampled :
VX0830WBS01

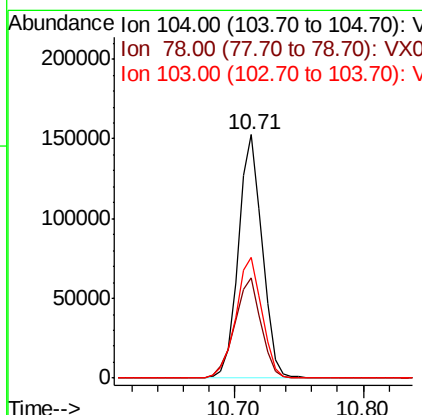
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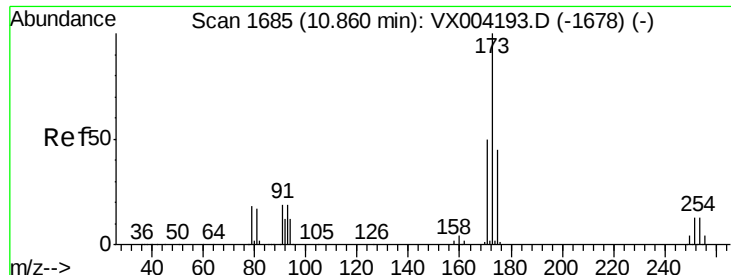
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#70
Styrene
Concen: 20.51 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Tgt Ion:104 Resp: 195099
Ion Ratio Lower Upper
104 100
78 46.1 37.4 56.0
103 54.8 43.8 65.6





#71

Bromoform

Concen: 18.49 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0830WBS01

Tot Ion:173 Resp: 50270

Ion Ratio Lower Upper

173 100

175 48.5 24.1 72.3

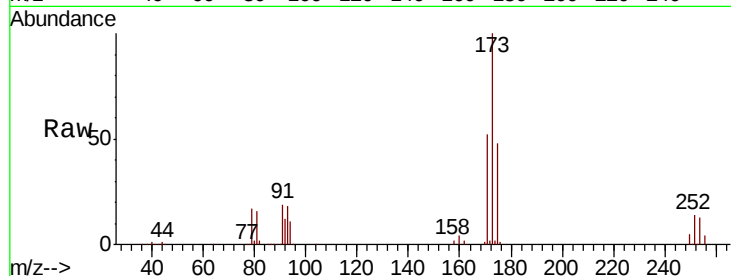
254 0.0 0.2 0.2#

Manual Integrations

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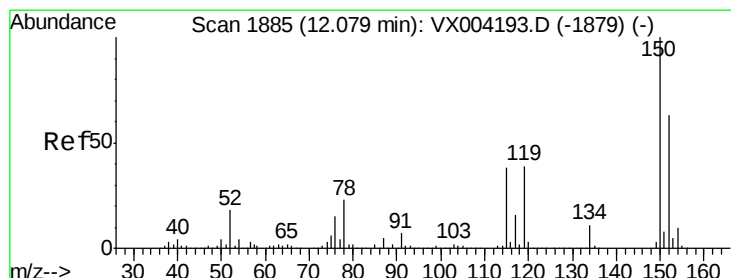
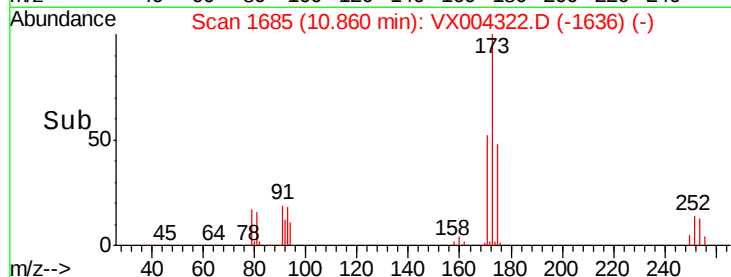
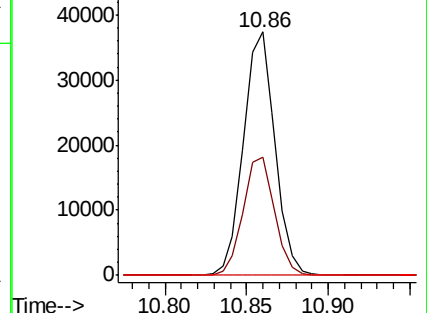
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VX004322.D

Acq: 30 Aug 2018 15:37

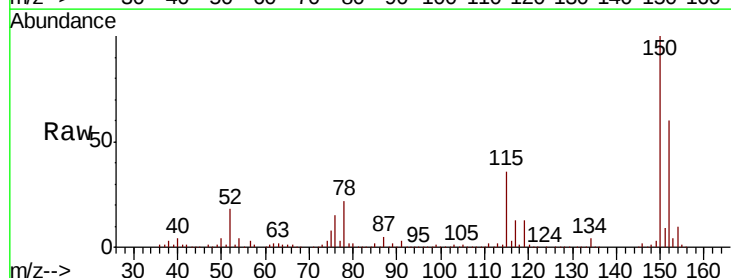
Tgt Ion:152 Resp: 236065

Ion Ratio Lower Upper

152 100

115 62.9 39.0 117.0

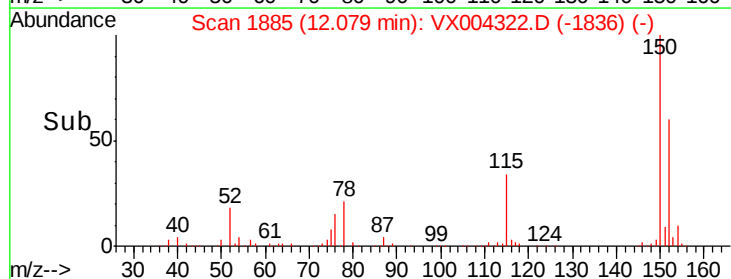
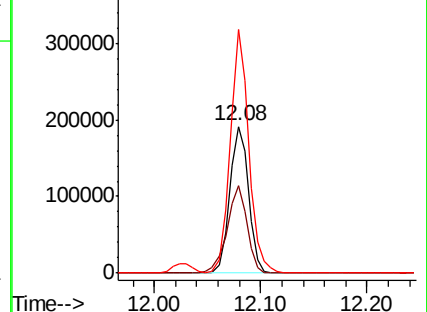
150 164.4 0.0 351.0

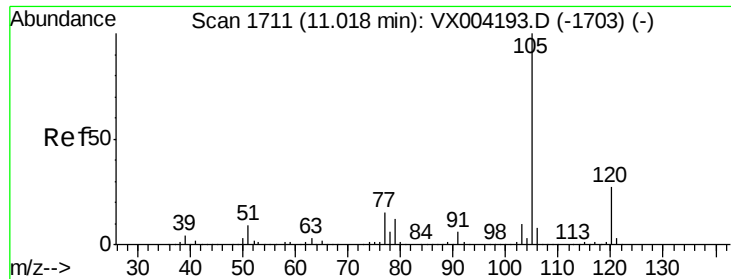


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.36 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0830WBS01

Tot Ion:105 Resp: 300196

Ion Ratio Lower Upper

105 100

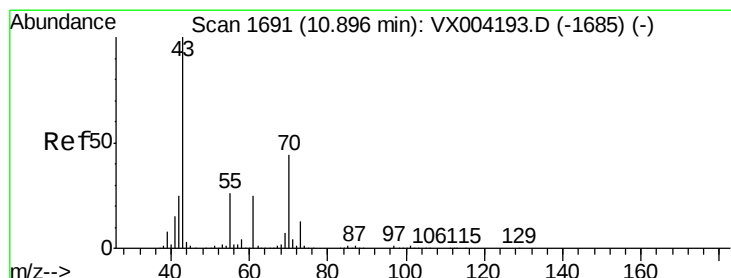
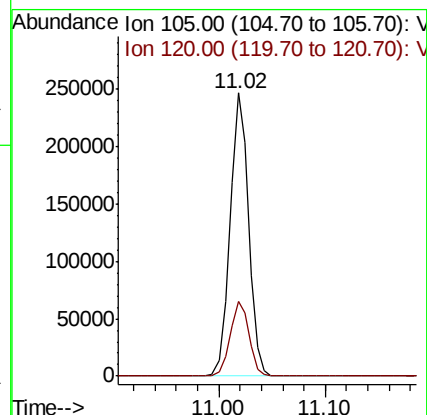
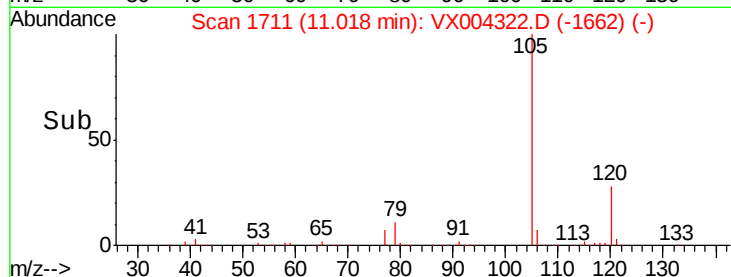
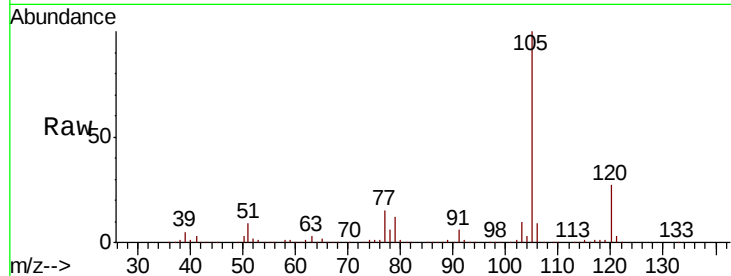
120 26.8 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.53 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Tgt Ion: 43 Resp: 116616

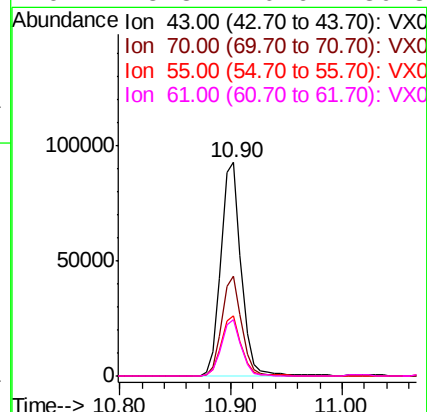
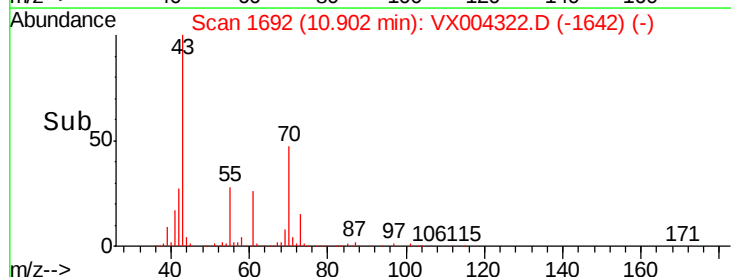
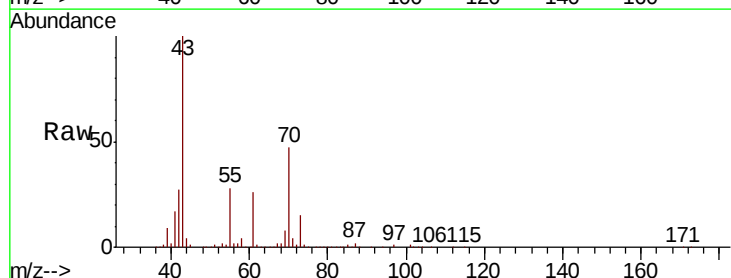
Ion Ratio Lower Upper

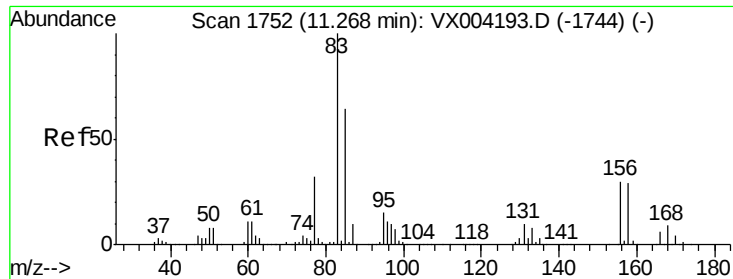
43 100

70 46.2 37.4 56.0

55 28.2 21.8 32.8

61 25.8 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.17 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0830WBS01

Tot Ion: 83 Resp: 109442

Ion Ratio Lower Upper

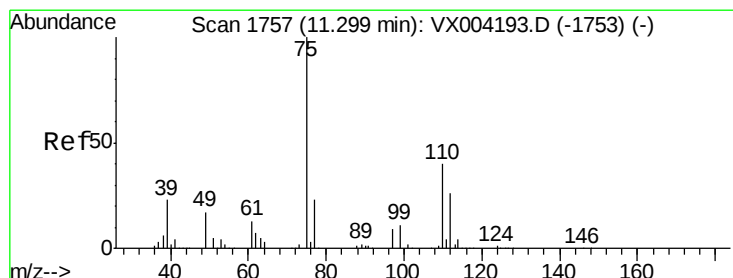
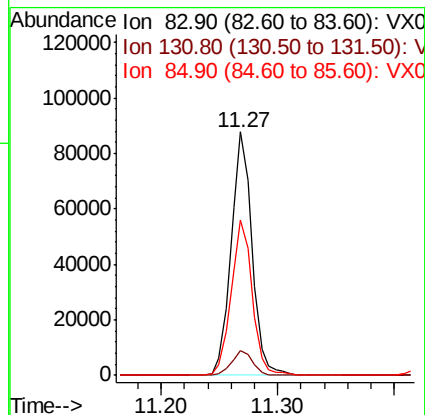
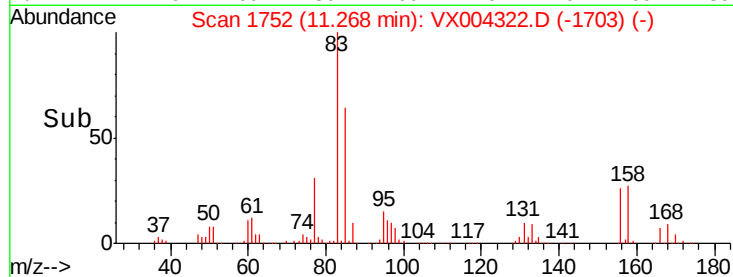
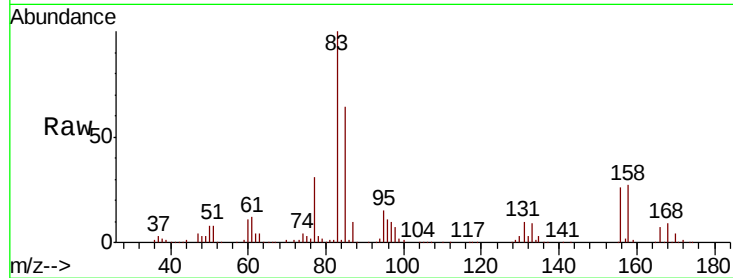
83 100

131 10.5 5.2 15.6

85 64.4 32.3 96.8

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#76

1,2,3-Trichloropropane

Concen: 20.44 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004322.D

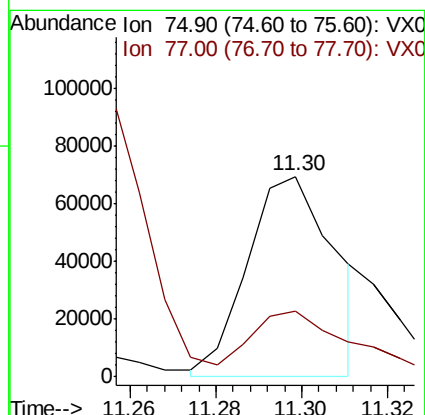
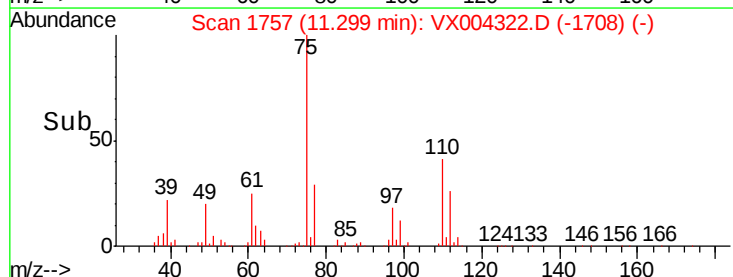
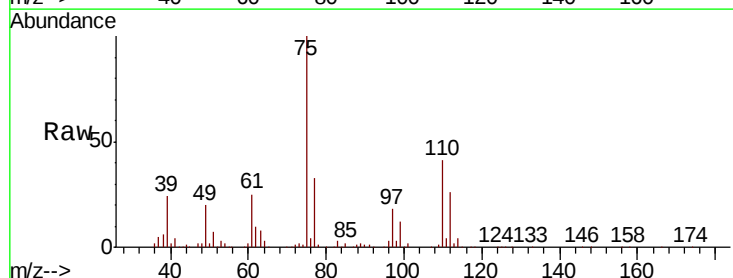
Acq: 30 Aug 2018 15:37

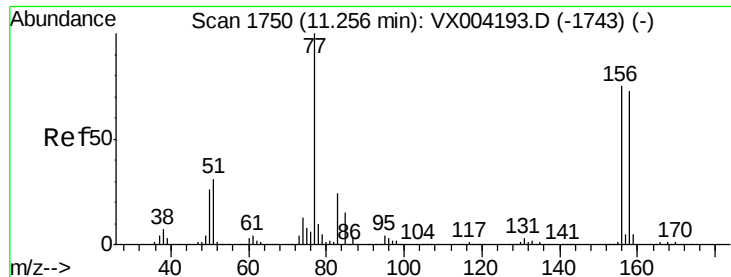
Tgt Ion: 75 Resp: 98132

Ion Ratio Lower Upper

75 100

77 38.7 20.2 60.6





#77

Bromobenzene

Concen: 20.13 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampled :

VX0830WBS01

Tot Ion:156 Resp: 87555

Ion Ratio Lower Upper

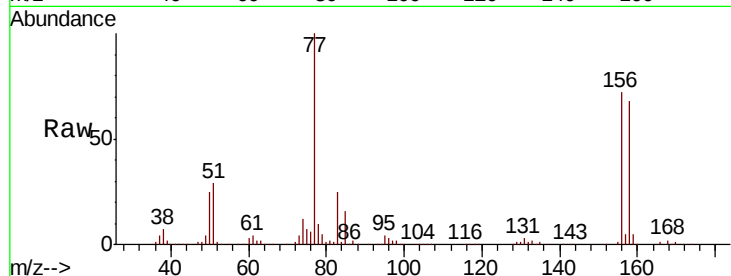
156 100

77 146.7 71.5 214.3

158 97.1 48.9 146.8

Manual Integrations
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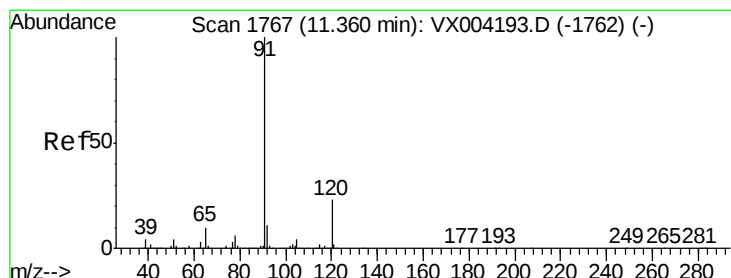
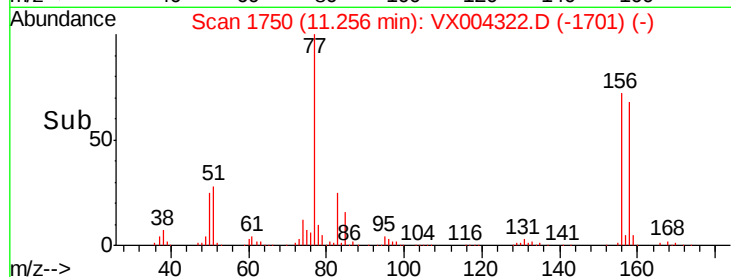
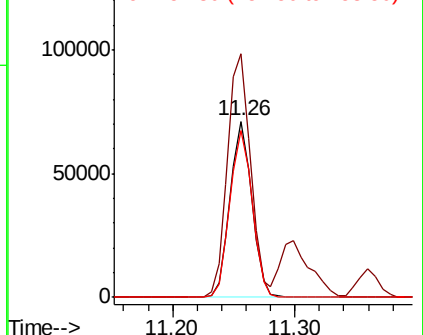
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.38 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004322.D

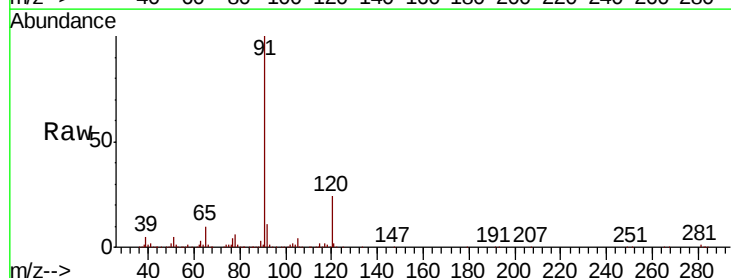
Acq: 30 Aug 2018 15:37

Tgt Ion: 91 Resp: 327814

Ion Ratio Lower Upper

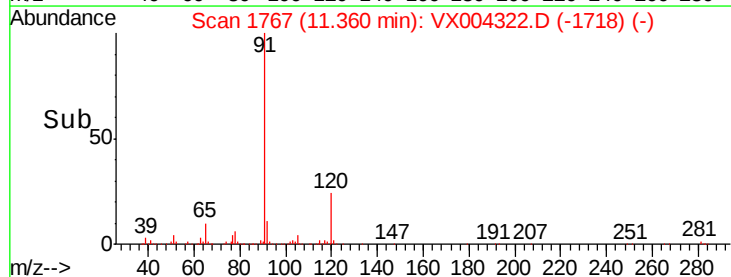
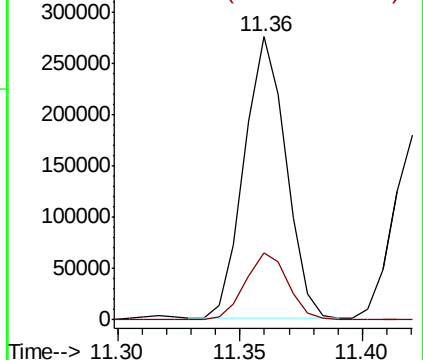
91 100

120 24.2 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: 19.45 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0830WBS01

Tot Ion: 91 Resp: 213535

Ion Ratio Lower Upper

91 100

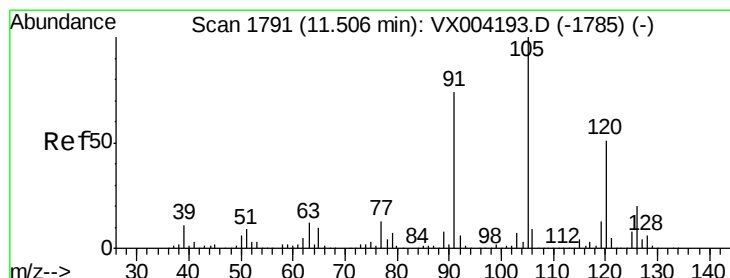
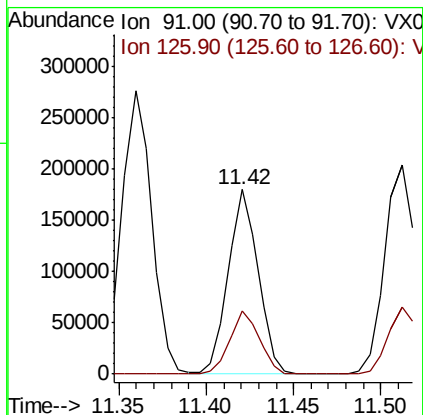
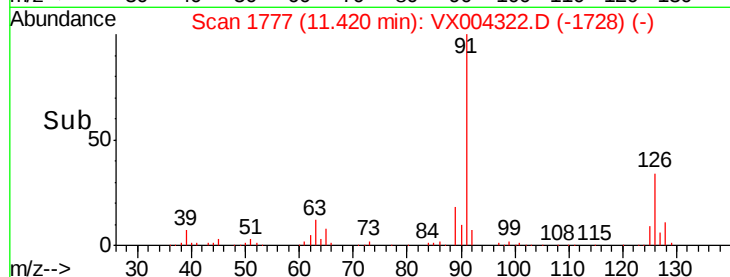
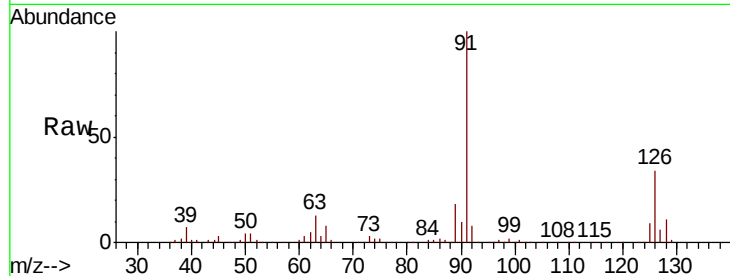
126 34.3 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 19.01 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004322.D

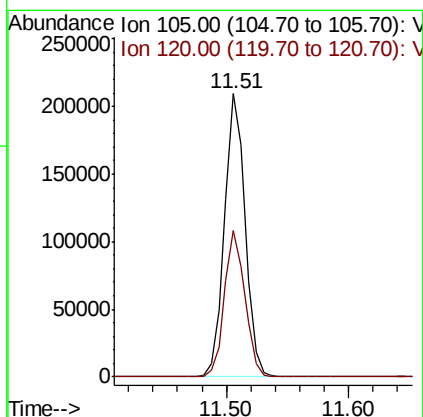
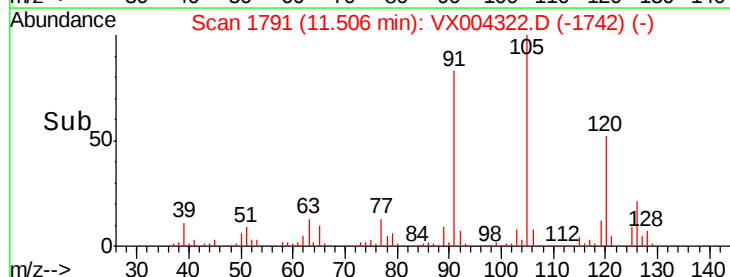
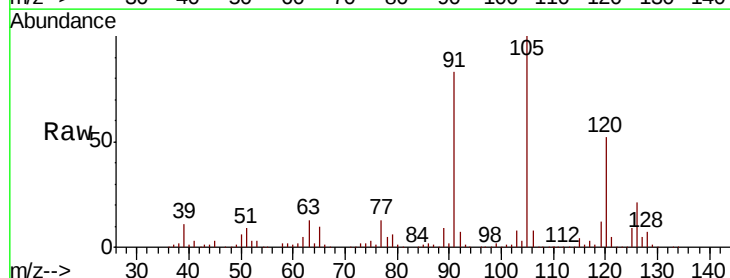
Acq: 30 Aug 2018 15:37

Tgt Ion: 105 Resp: 244082

Ion Ratio Lower Upper

105 100

120 51.3 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.94 ug/l

RT: 11.07 min Scan# 1720

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

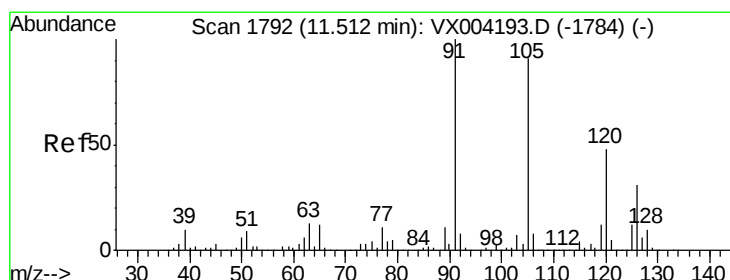
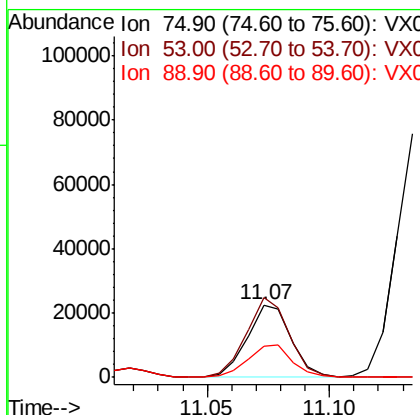
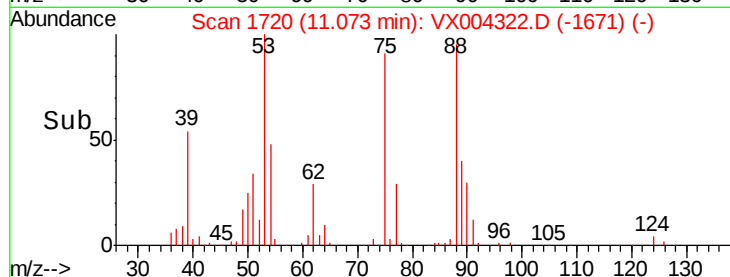
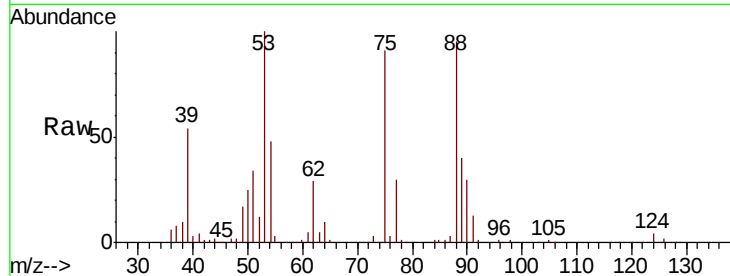
ClientSampleId :

VX0830WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.5	80.1	120.1
89	46.0	37.2	55.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.59 ug/l

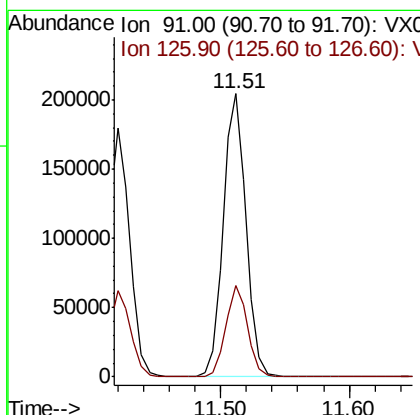
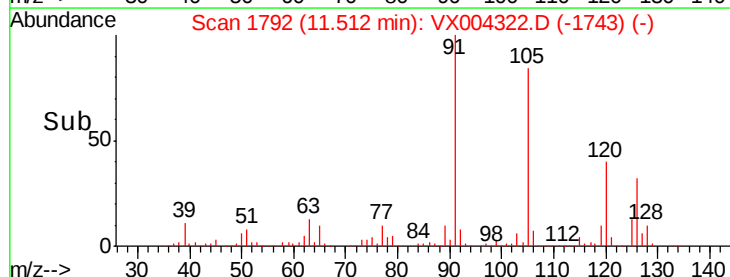
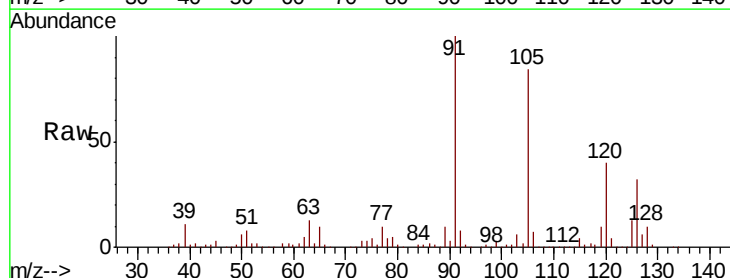
RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.5	46.5





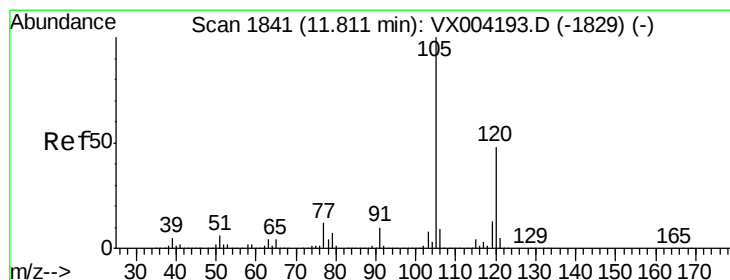
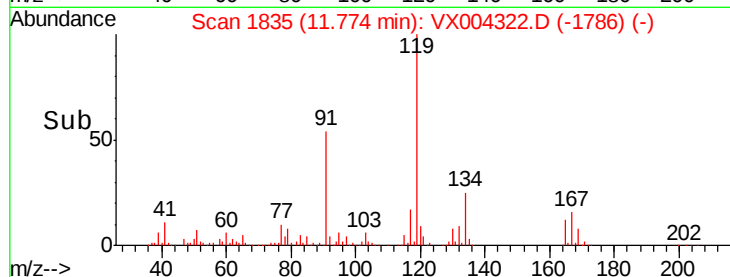
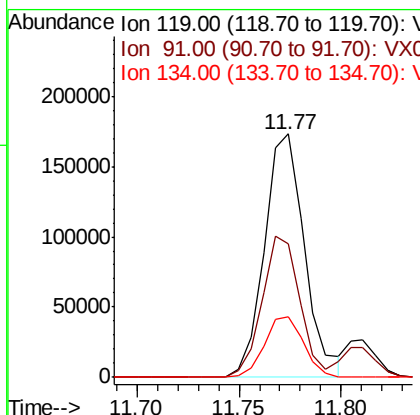
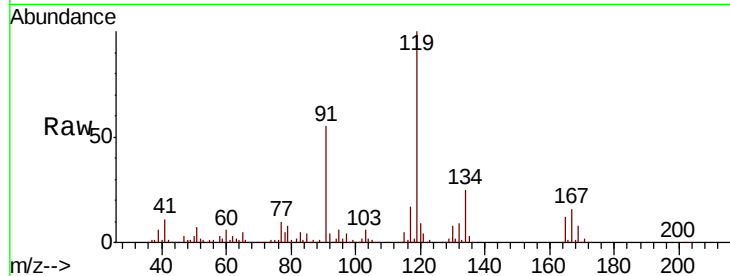
#83
 tert-Butylbenzene
 Concen: 18.40 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004322.D
 Acq: 30 Aug 2018 15:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.5	27.0	81.0
134	24.4	11.7	35.1

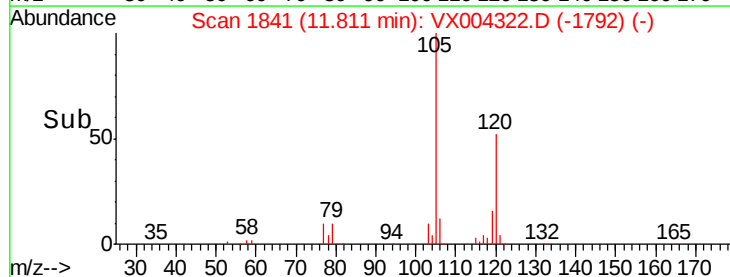
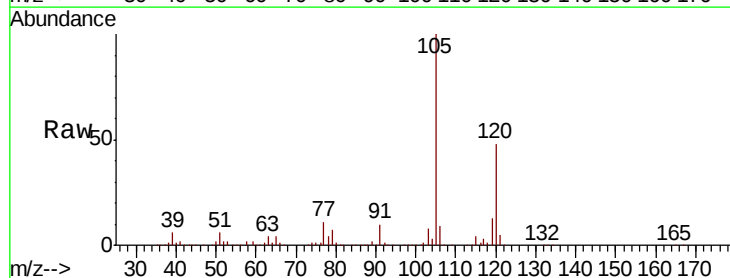
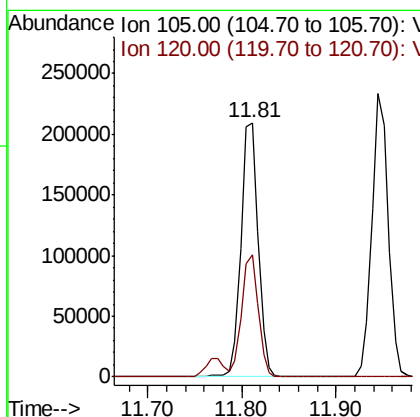
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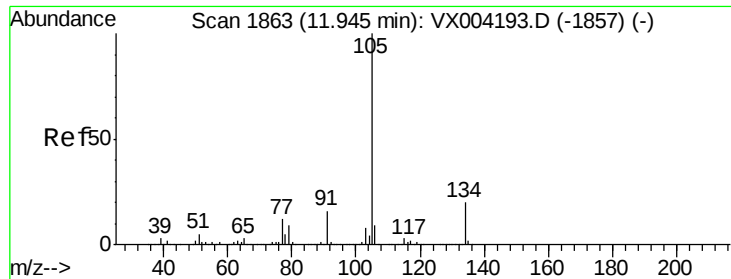
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.28 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004322.D
 Acq: 30 Aug 2018 15:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.2	69.6





#85

sec-Butylbenzene

Concen: 18.44 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampled :

VX0830WBS01

Tot Ion:105 Resp: 282769

Ion Ratio Lower Upper

105 100

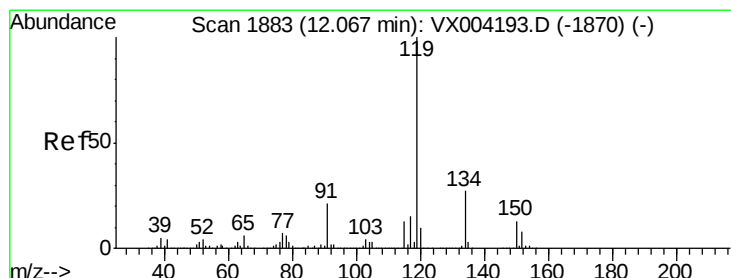
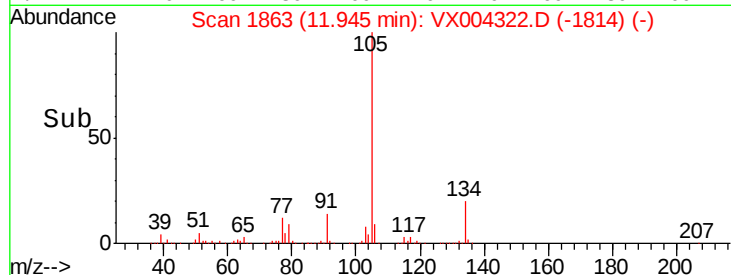
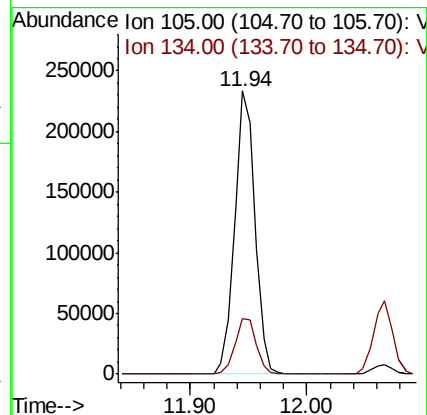
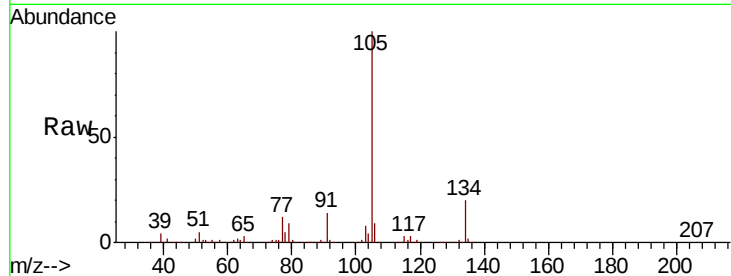
134 20.7 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 18.72 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

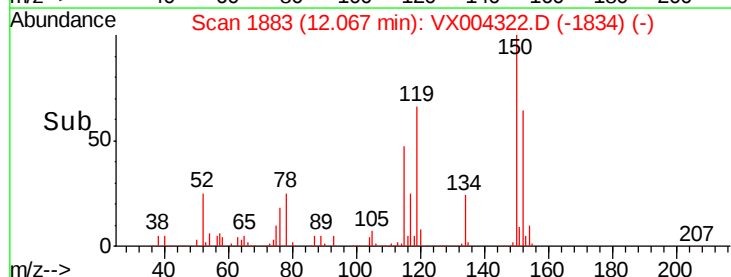
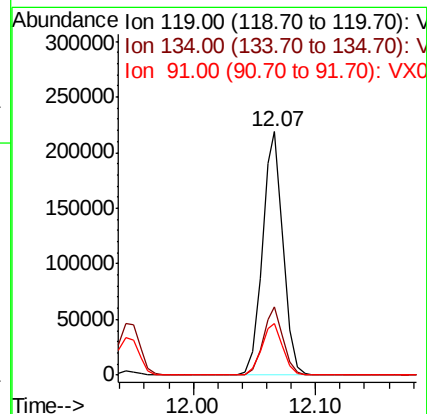
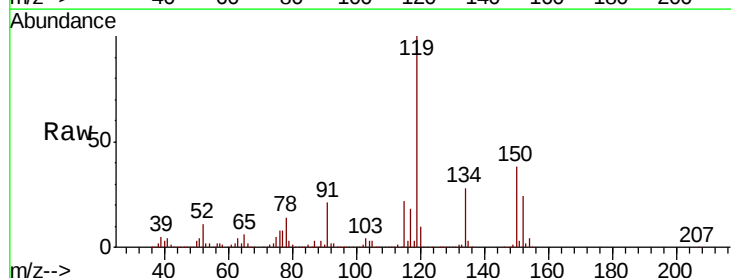
Tgt Ion:119 Resp: 257272

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

91 21.8 10.9 32.7





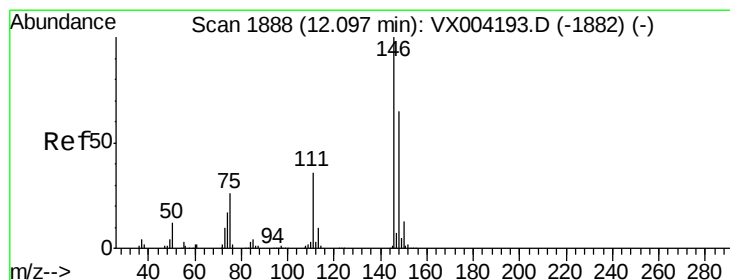
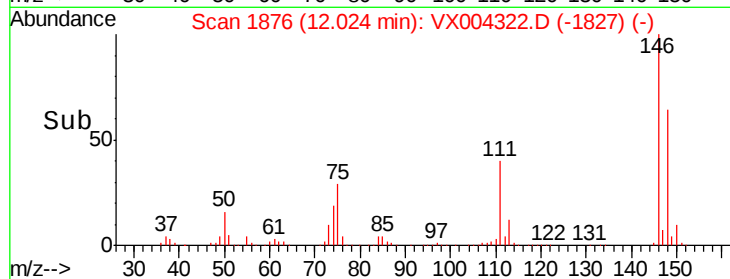
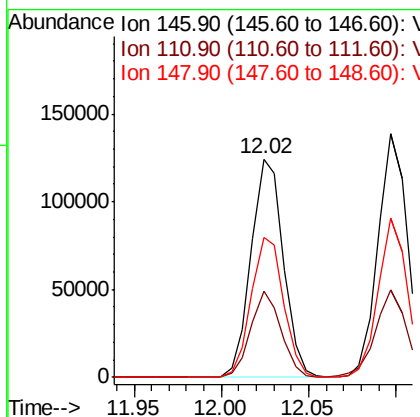
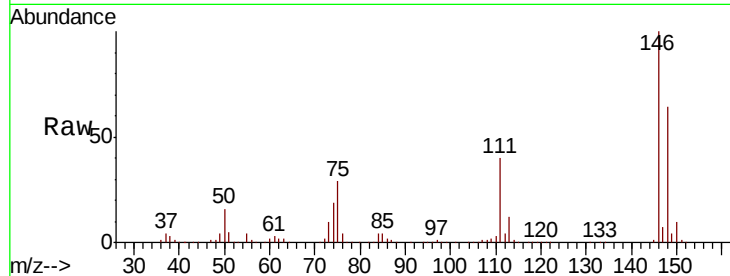
#87
 1,3-Dichlorobenzene
 Concen: 19.46 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004322.D
 Acq: 30 Aug 2018 15:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.7	56.1
148	64.6	32.1	96.5

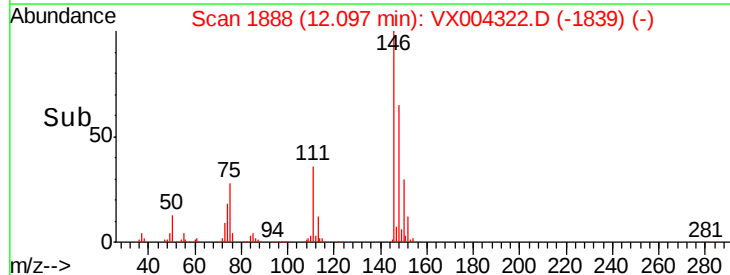
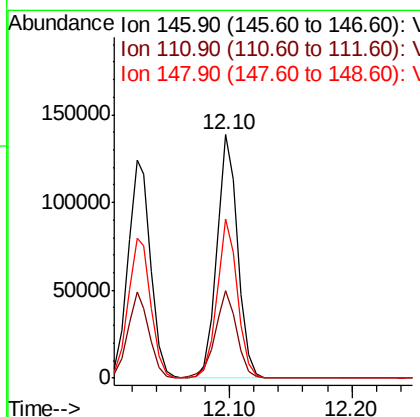
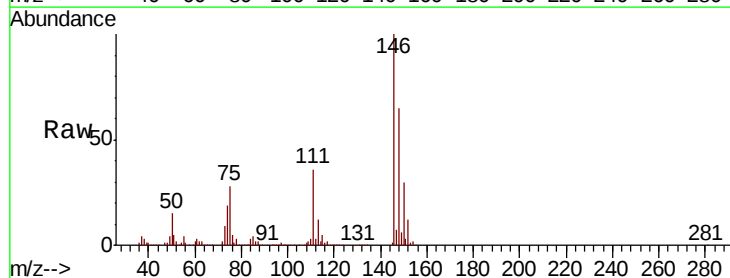
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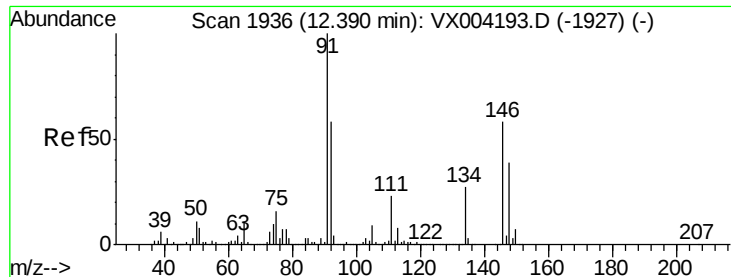
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#88
 1,4-Dichlorobenzene
 Concen: 19.06 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004322.D
 Acq: 30 Aug 2018 15:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.1	54.1
148	64.2	32.0	96.0





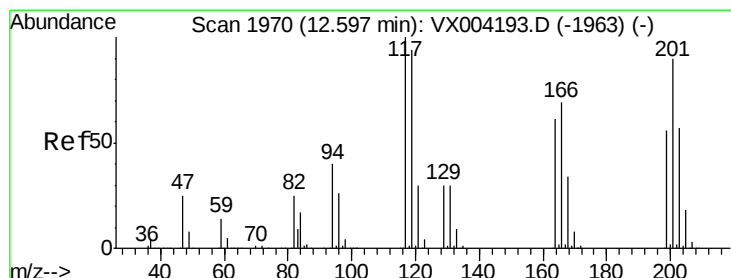
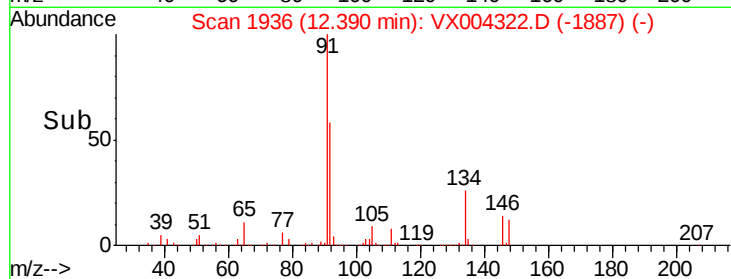
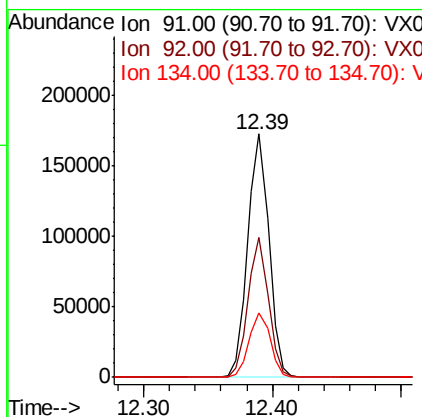
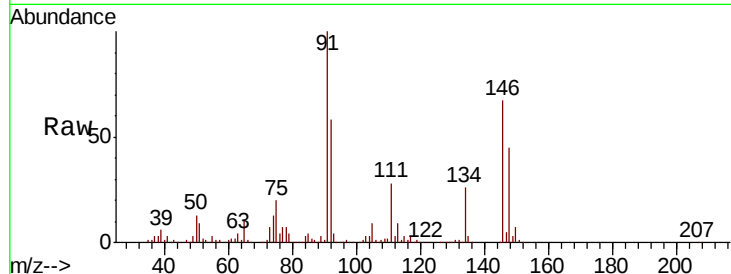
#89
n-Butylbenzene
Concen: 17.46 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Instrument :
MSVOA_X
ClientSampleId :
VX0830WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	195149		
92	55.2	27.3	81.9	
134	26.5	13.6	40.7	

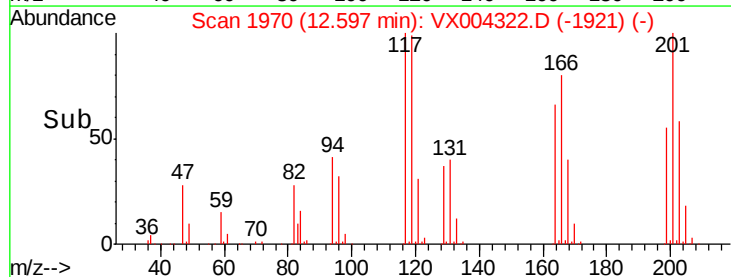
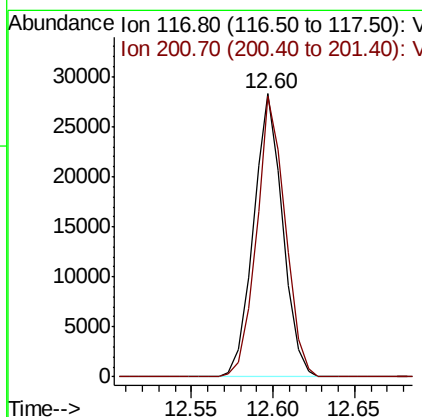
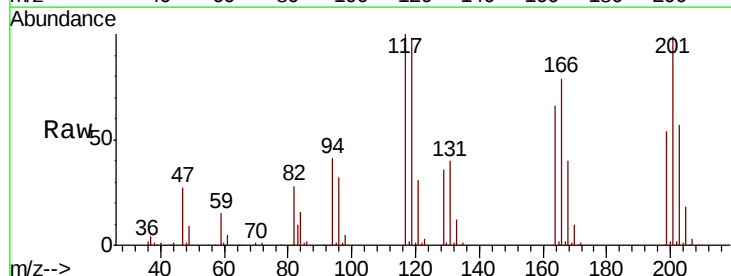
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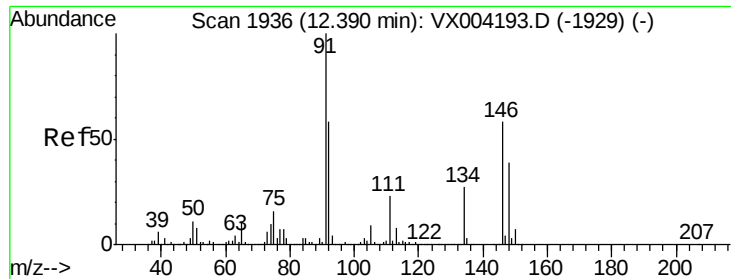
MMDadoda
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#90
Hexachloroethane
Concen: 18.27 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	35093		
201	96.9	46.9	140.6	





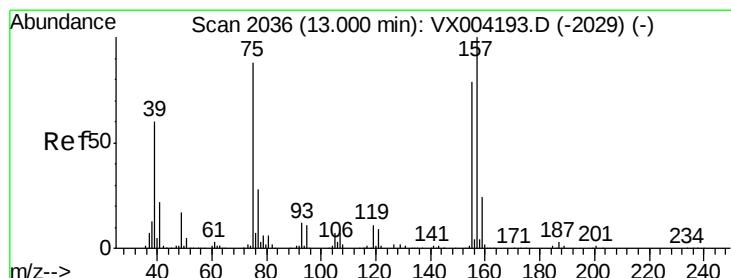
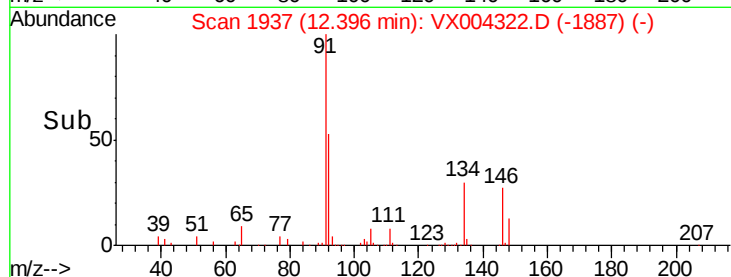
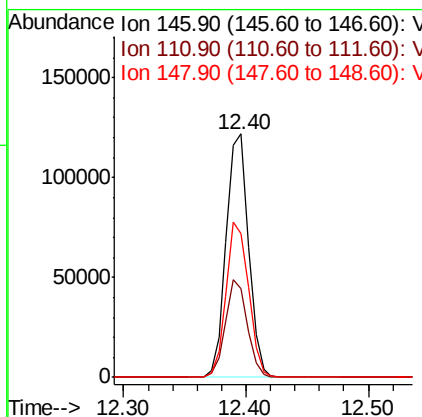
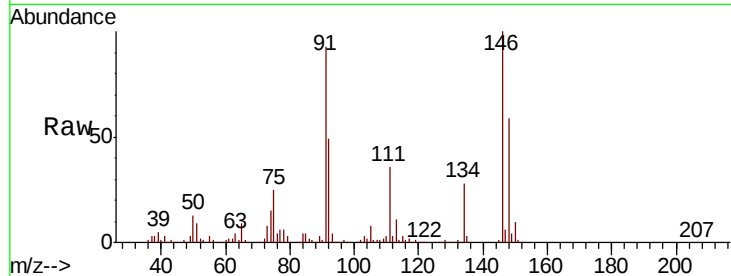
#91
 1,2-Dichlorobenzene
 Concen: 20.57 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.01 min
 Lab File: VX004322.D
 Acq: 30 Aug 2018 15:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	153918		
111	39.1	19.4	58.1	
148	64.1	32.8	98.3	

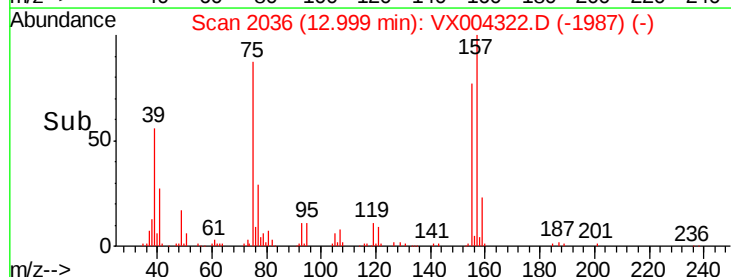
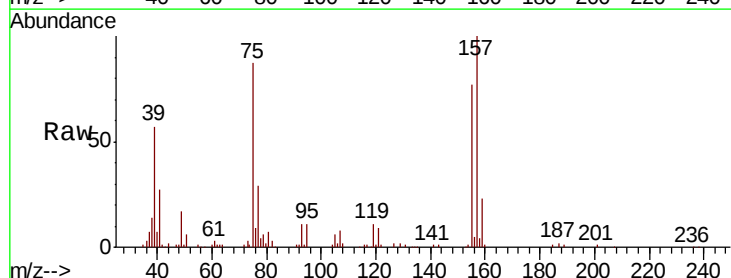
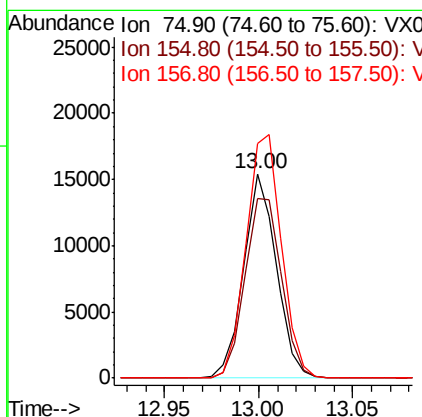
Manual Integrations
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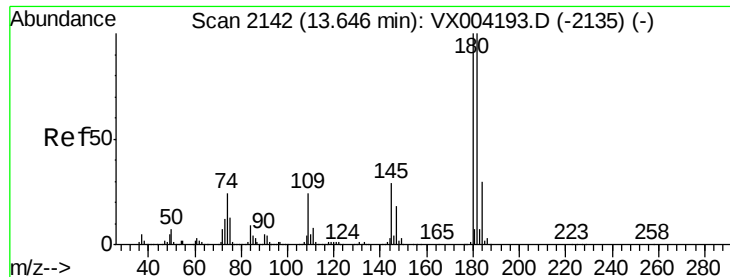
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 8/31/2018 4:30:14 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.46 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004322.D
 Acq: 30 Aug 2018 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18594		
155	98.4	48.0	144.2	
157	128.8	61.4	184.1	





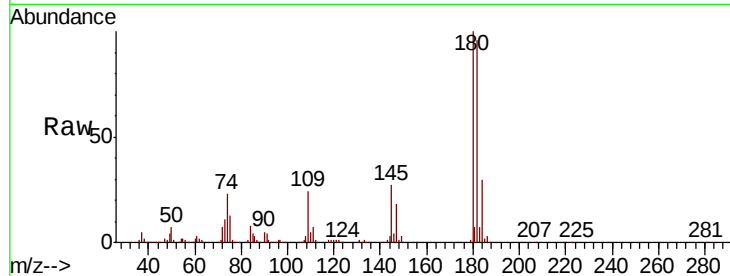
#93
 1,2,4-Trichlorobenzene
 Concen: 19.51 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004322.D
 Acq: 30 Aug 2018 15:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830WBS01

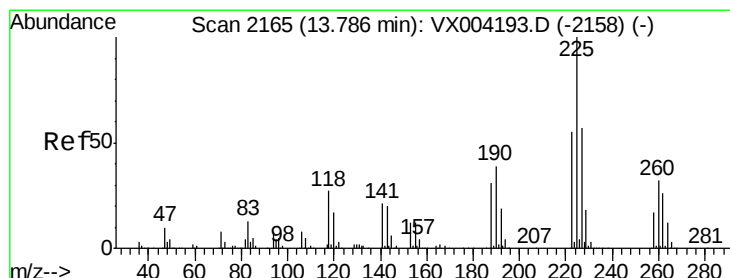
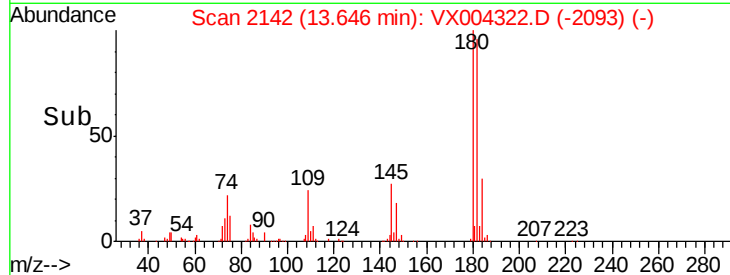
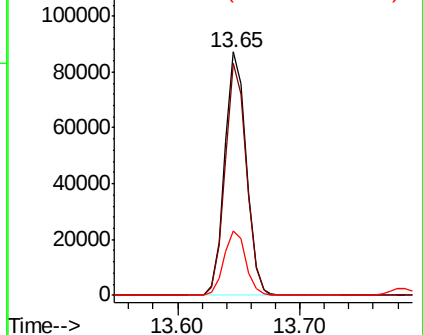
Tot Ion:	180	Resp:	106234
Ion Ratio	Lower	Upper	
180	100		
182	94.2	48.4	145.0
145	26.7	14.3	42.9

Manual Integrations
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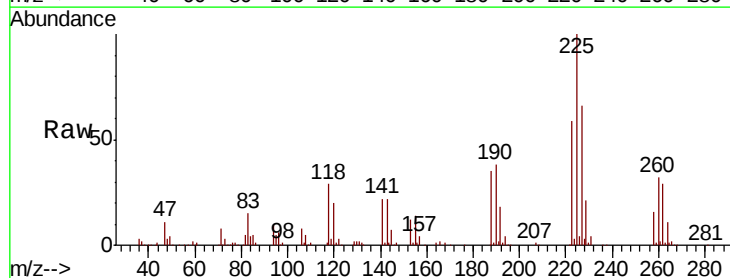


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

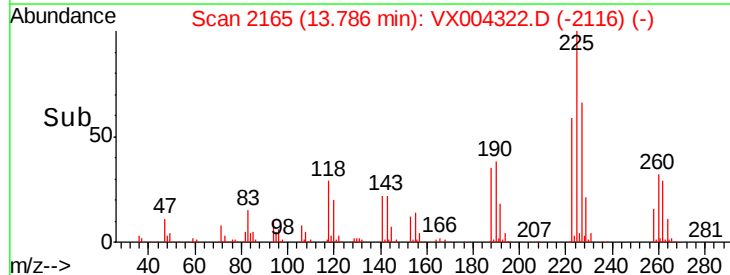
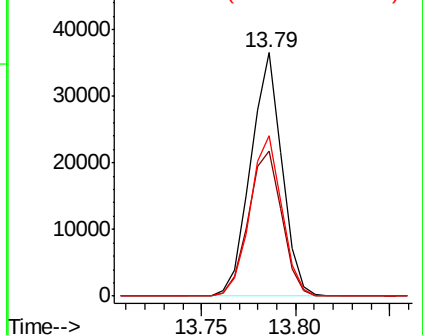


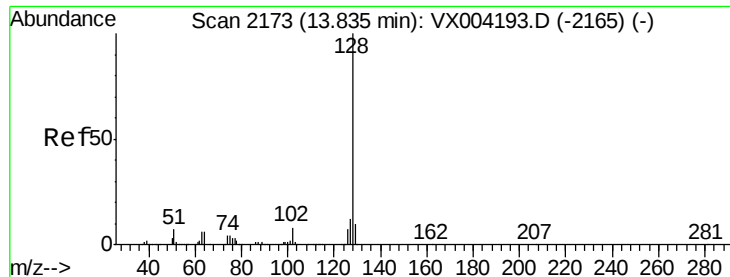
#94
 Hexachlorobutadiene
 Concen: 16.51 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004322.D
 Acq: 30 Aug 2018 15:37

Tgt Ion:	225	Resp:	42057
Ion Ratio	Lower	Upper	
225	100		
223	63.3	30.1	90.5
227	66.7	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





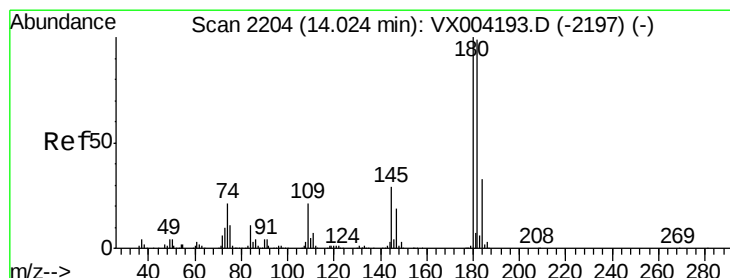
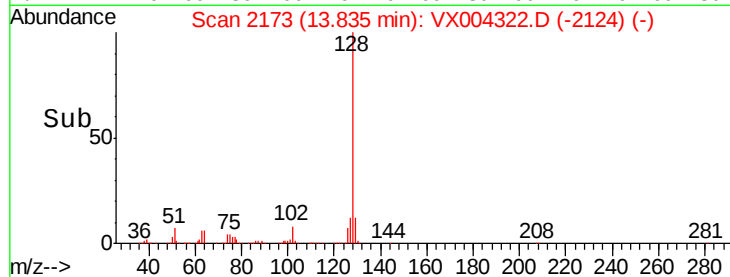
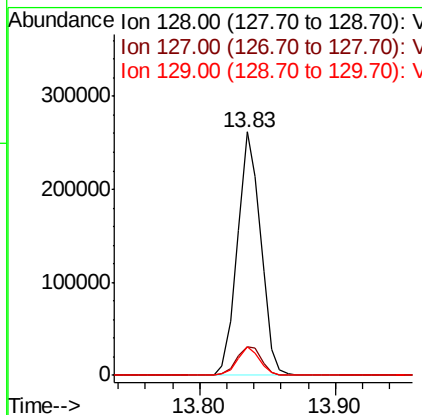
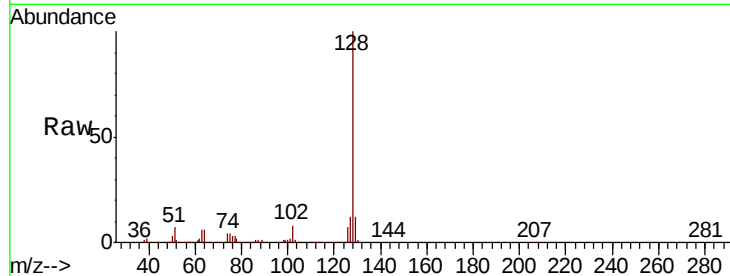
#95
Naphthalene
Concen: 20.24 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Instrument :
MSVOA_X
ClientSampleId :
VX0830WBS01

Tot Ion:	128	Resp:	311653
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.2
129	11.2	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
8/31/2018 4:30:14 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.65 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Tgt Ion:	180	Resp:	113274
Ion Ratio	Lower	Upper	
180	100		
182	95.6	48.5	145.6
145	29.6	14.9	44.9

