

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082718\
 Data File : VX004265.D
 Acq On : 27 Aug 2018 16:43
 Operator : JC/MD
 Sample : VX0827MBSD01
 Misc : 5.0uL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0827MBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/28/2018 3:54:25 PM

Quant Time: Aug 28 01:17:56 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	277503	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	452649	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	412422	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	257532	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	199482	55.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.30%	
35) Dibromofluoromethane	5.50	113	164293	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
50) Toluene-d8	8.71	98	609049	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	
62) 4-Bromofluorobenzene	11.14	95	240831	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	47280	14.71	ug/l	95
3) Chloromethane	1.32	50	79249	22.47	ug/l	99
4) Vinyl Chloride	1.40	62	72111	19.83	ug/l	98
5) Bromomethane	1.63	94	36996	19.40	ug/l	97
6) Chloroethane	1.71	64	60392	22.51	ug/l	99
7) Trichlorofluoromethane	1.92	101	80686	16.19	ug/l	96
8) Diethyl Ether	2.18	74	54182	25.39	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	48234	15.46	ug/l	98
10) Methyl Iodide	2.50	142	62119	20.40	ug/l	97
11) Tert butyl alcohol	3.08	59	101273	131.35	ug/l	99
12) 1,1-Dichloroethene	2.37	96	55905	19.02	ug/l	97
13) Acrolein	2.29	56	23077	124.15	ug/l	97
14) Allyl chloride	2.72	41	123213	22.81	ug/l	95
15) Acrylonitrile	3.15	53	236859	124.05	ug/l	99
16) Acetone	2.45	43	196360	129.09	ug/l	97
17) Carbon Disulfide	2.56	76	129381	16.39	ug/l	99
18) Methyl Acetate	2.78	43	155340	28.94	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	246989	25.49	ug/l	98
20) Methylene Chloride	2.85	84	81109	23.30	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	67269	20.67	ug/l	99
22) Diisopropyl ether	3.87	45	240823	23.88	ug/l	96
23) Vinyl Acetate	3.82	43	962579	117.77	ug/l	99
24) 1,1-Dichloroethane	3.69	63	132101	22.48	ug/l	99
25) 2-Butanone	4.71	43	304484	124.20	ug/l	100
26) 2,2-Dichloropropane	4.58	77	93260	20.23	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	81482	22.08	ug/l	99
28) Bromochloromethane	5.02	49	59520	22.87	ug/l	99
29) Tetrahydrofuran	5.16	42	194117	124.92	ug/l	99
30) Chloroform	5.21	83	130625	22.17	ug/l	96
31) Cyclohexane	5.57	56	76240	15.03	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	94163	19.16	ug/l	100
36) 1,1-Dichloropropene	5.79	75	83119	16.33	ug/l	98
37) Ethyl Acetate	4.86	43	109678	21.91	ug/l	99
38) Carbon Tetrachloride	5.78	117	73031	15.26	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	70354	12.11	ug/l	99
40) Benzene	6.14	78	304309	20.01	ug/l	100
41) Methacrylonitrile	5.06	41	63346	21.84	ug/l	99
42) 1,2-Dichloroethane	6.20	62	107138	20.66	ug/l	100
43) Isopropyl Acetate	6.46	43	170797	22.21	ug/l	99
44) Trichloroethene	7.21	130	77514	18.42	ug/l	98
45) 1,2-Dichloropropane	7.52	63	77862	20.46	ug/l	99
46) Dibromomethane	7.67	93	51031	20.14	ug/l	98
47) Bromodichloromethane	7.90	83	88351	18.74	ug/l	98
48) Methyl methacrylate	7.78	41	88426	21.49	ug/l	99
49) 1,4-Dioxane	7.76	88	43499	465.59	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	589987	105.59	ug/l	100
52) Toluene	8.79	92	188097	19.76	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	104724	20.11	ug/l	97
54) cis-1,3-Dichloropropene	8.44	75	116740	20.58	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	81081	21.10	ug/l	98
56) Ethyl methacrylate	9.18	69	115357	22.05	ug/l	98
57) 1,3-Dichloropropane	9.37	76	137198	21.18	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	302493	112.87	ug/l	100
59) 2-Hexanone	9.50	43	458157	107.48	ug/l	100
60) Dibromochloromethane	9.59	129	70767	18.90	ug/l	99
61) 1,2-Dibromoethane	9.67	107	81085	20.39	ug/l	99
64) Tetrachloroethene	9.34	164	70983	17.42	ug/l	98
65) Chlorobenzene	10.14	112	202611	19.57	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	67468	18.90	ug/l	97
67) Ethyl Benzene	10.26	91	319830	19.03	ug/l	95
68) m/p-Xylenes	10.36	106	257423	39.16	ug/l	97
69) o-Xylene	10.70	106	130153	20.93	ug/l	98
70) Styrene	10.71	104	213042	21.16	ug/l	99
71) Bromoform	10.86	173	51809	18.00	ug/l #	98
73) Isopropylbenzene	11.02	105	329930	19.51	ug/l	100
74) N-amyl acetate	10.90	43	150629	23.13	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	130879	22.11	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	114805m	21.92	ug/l	
77) Bromobenzene	11.26	156	99695	21.01	ug/l	97
78) n-propylbenzene	11.36	91	385232	19.80	ug/l	100
79) 2-Chlorotoluene	11.42	91	242441	20.25	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	281413	20.09	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	33029	20.46	ug/l	95
82) 4-Chlorotoluene	11.51	91	285091	20.23	ug/l	99
83) tert-Butylbenzene	11.77	119	275479	19.55	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	304646	21.19	ug/l	100
85) sec-Butylbenzene	11.94	105	309581	18.50	ug/l	99
86) p-Isopropyltoluene	12.07	119	275364	18.36	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	177260	19.84	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	184074	19.54	ug/l	100
89) n-Butylbenzene	12.39	91	223919	18.36	ug/l	99
90) Hexachloroethane	12.60	117	33375	15.92	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	164396	20.14	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	22009	21.11	ug/l	97

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ClientSampleId :
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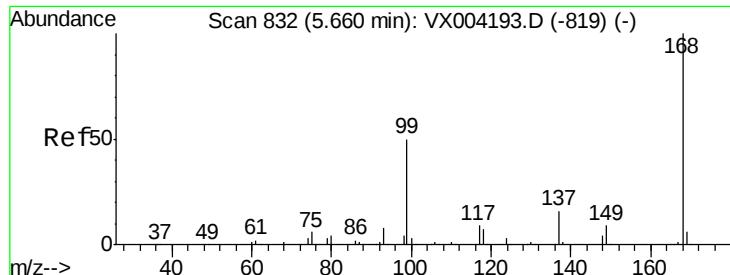
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	122688	20.65	ug/l	98
94) Hexachlorobutadiene	13.79	225	42527	15.29	ug/l	95
95) Naphthalene	13.83	128	416067	24.76	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	129086	20.53	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: VX004265.D

Acq: 27 Aug 2018 16:43

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBSD01

Tot Ion:168 Resp: 277503

Ion Ratio Lower Upper

168 100

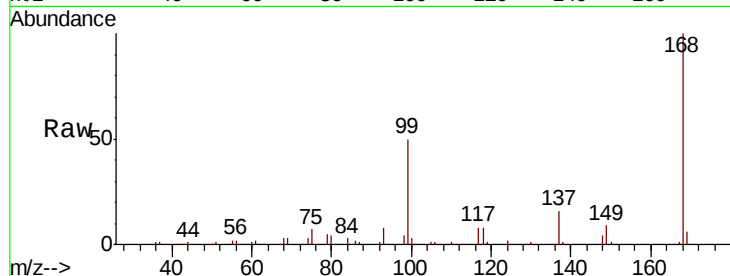
99 49.6 39.9 59.9

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

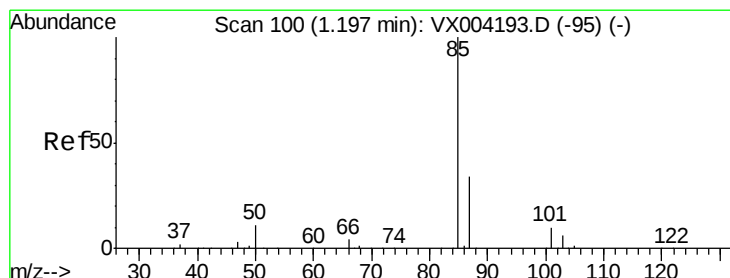
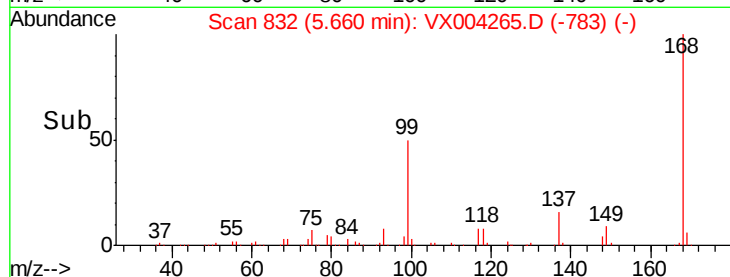
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 14.71 ug/l

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX004265.D

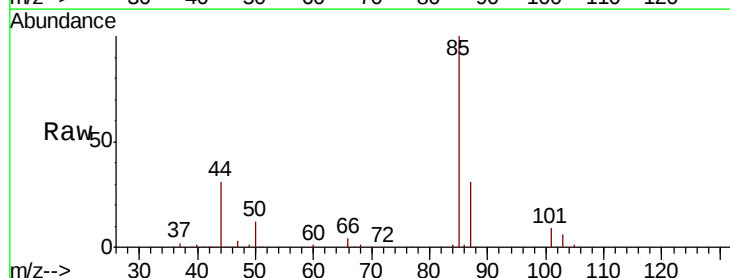
Acq: 27 Aug 2018 16:43

Tgt Ion: 85 Resp: 47280

Ion Ratio Lower Upper

85 100

87 31.0 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

50000

40000

30000

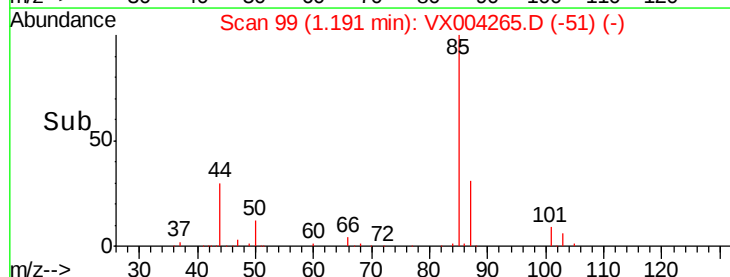
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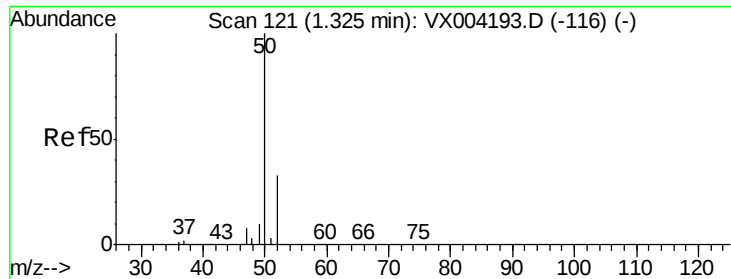
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Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 22.47 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004265.D

Acq: 27 Aug 2018 16:43

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBSD01

Tot Ion: 50 Resp: 79249

Ion Ratio Lower Upper

50 100

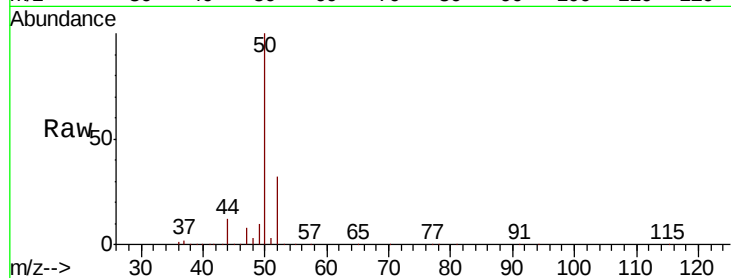
52 32.0 26.2 39.2

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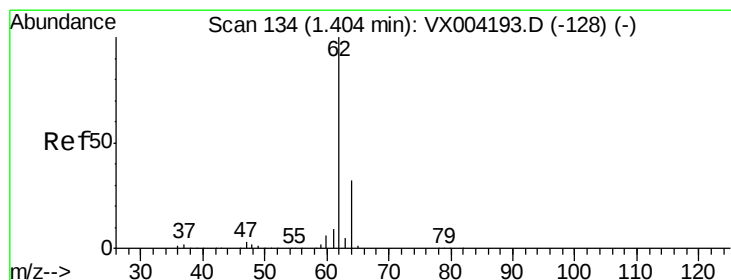
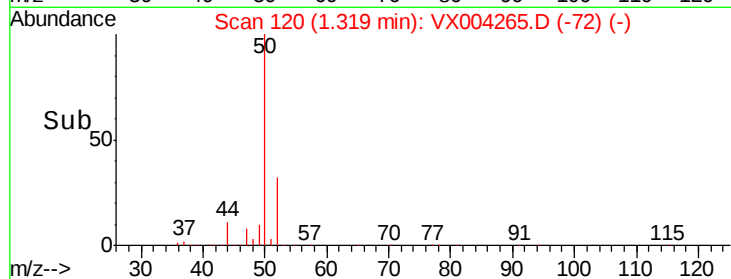
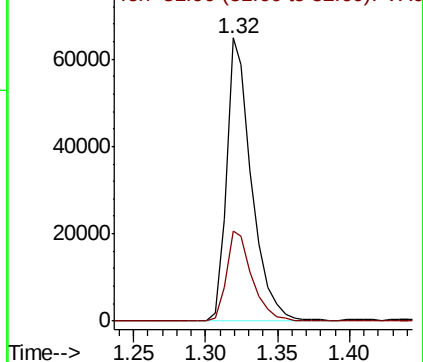
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.83 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX004265.D

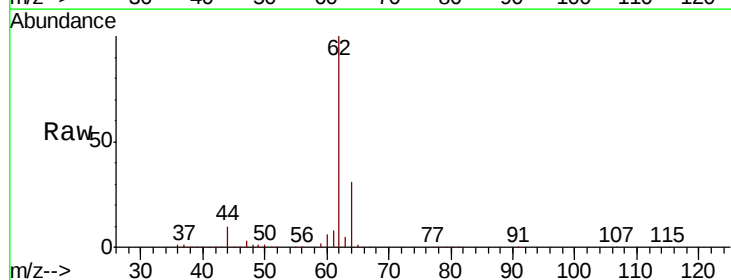
Acq: 27 Aug 2018 16:43

Tgt Ion: 62 Resp: 72111

Ion Ratio Lower Upper

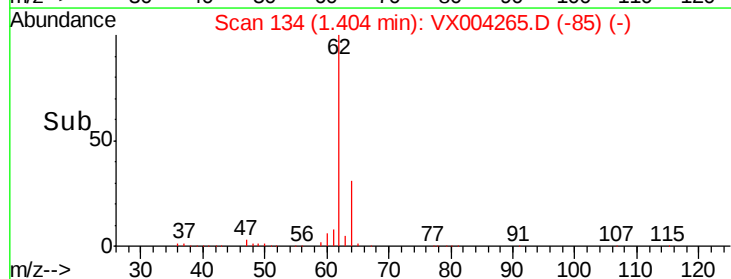
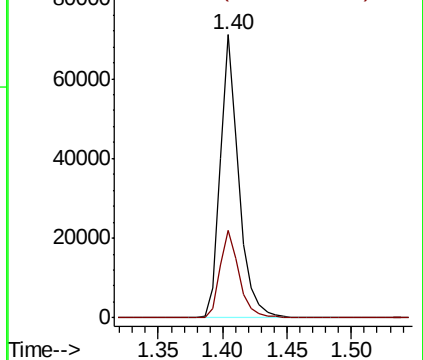
62 100

64 31.0 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: 19.40 ug/l

RT: 1.63 min Scan# 171

Delta R.T. -0.01 min

Lab File: VX004265.D

Acq: 27 Aug 2018 16:43

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBSD01

Tot Ion: 94 Resp: 36996

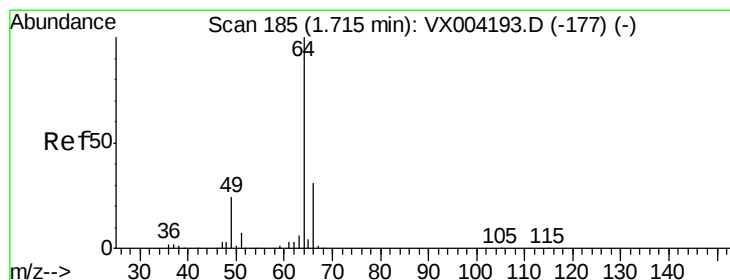
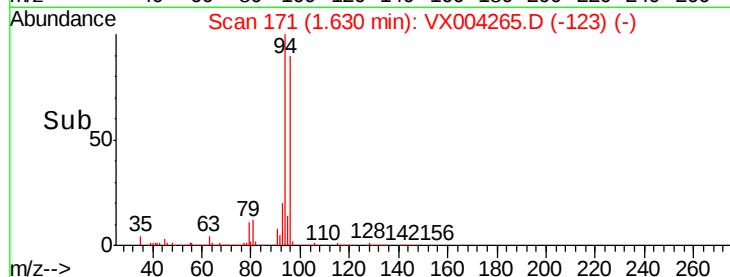
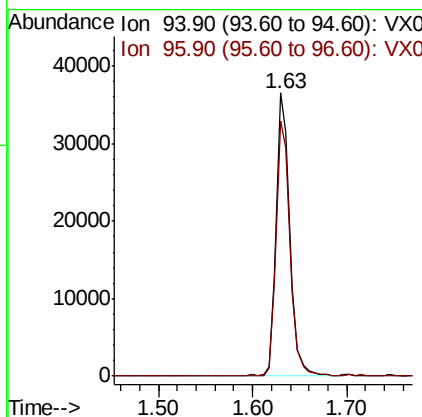
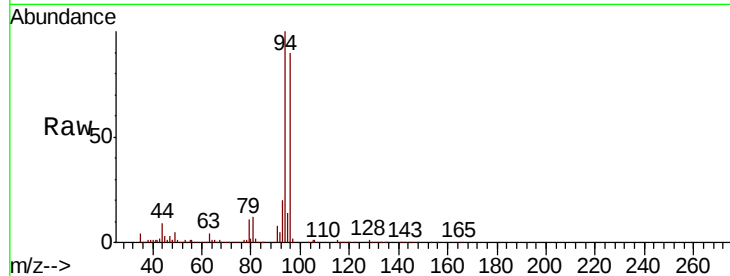
Ion Ratio Lower Upper

94 100

96 90.3 74.5 111.7

Manual Integrations
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#6

Chloroethane

Concen: 22.51 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX004265.D

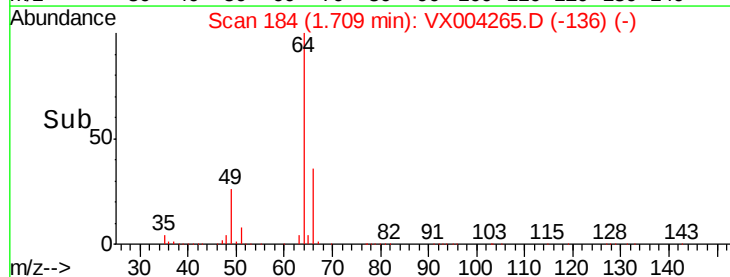
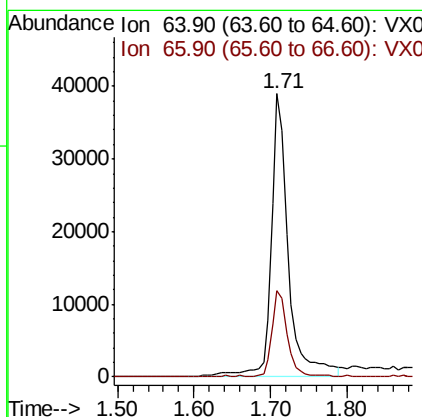
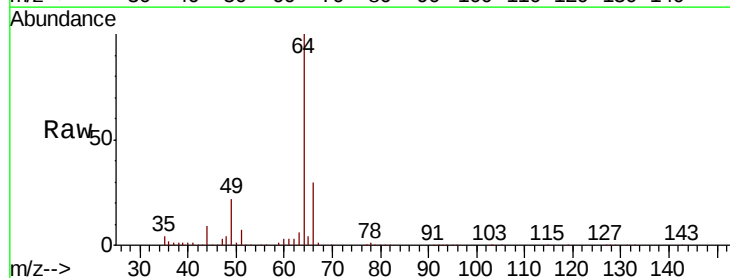
Acq: 27 Aug 2018 16:43

Tgt Ion: 64 Resp: 60392

Ion Ratio Lower Upper

64 100

66 30.3 24.6 36.8





#7

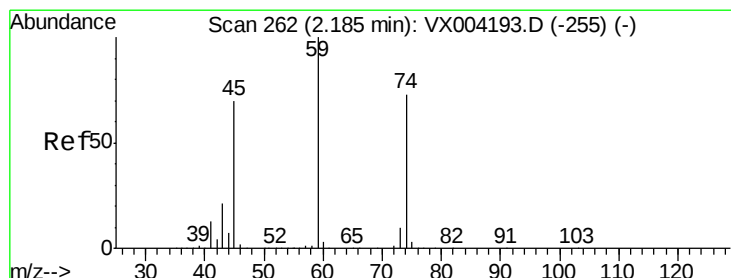
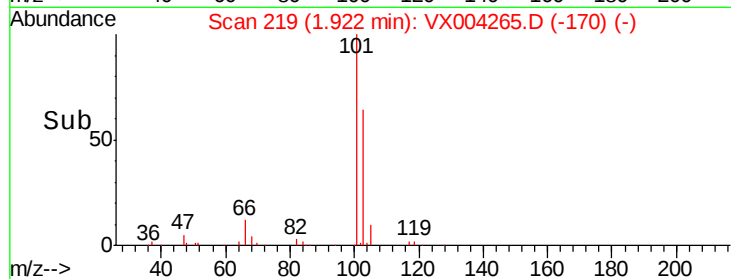
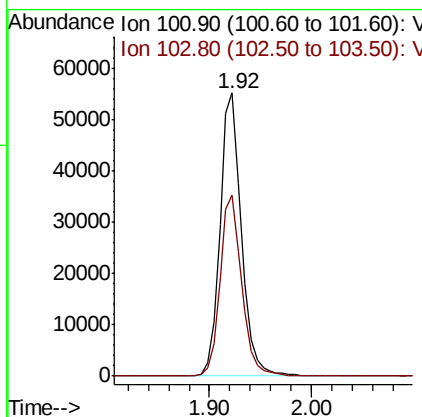
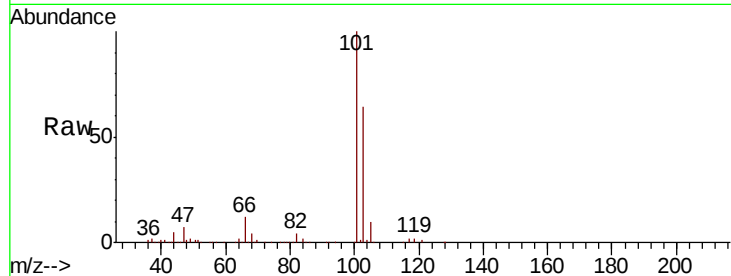
Trichlorofluoromethane
 Concen: 16.19 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VX004265.D
 Acq: 27 Aug 2018 16:43

Instrument :
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 ClientSampleId :
 VX0827MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		80686		
103	64.0	48.9	73.3		

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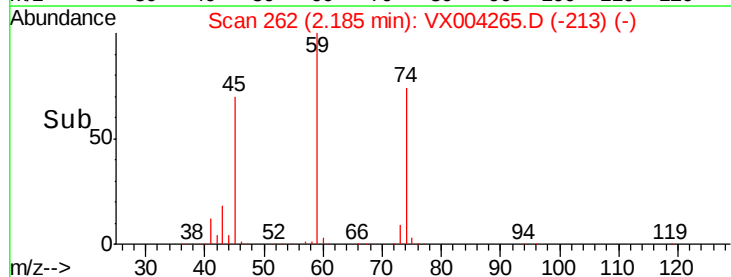
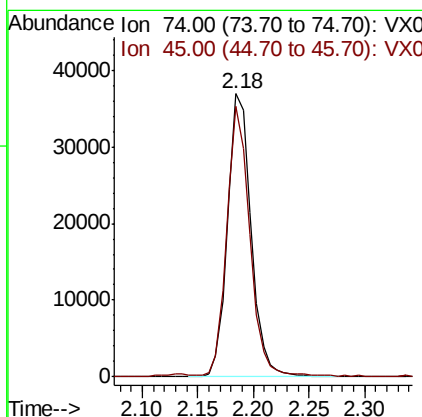
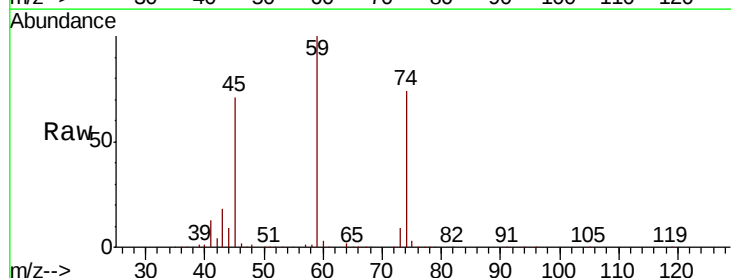
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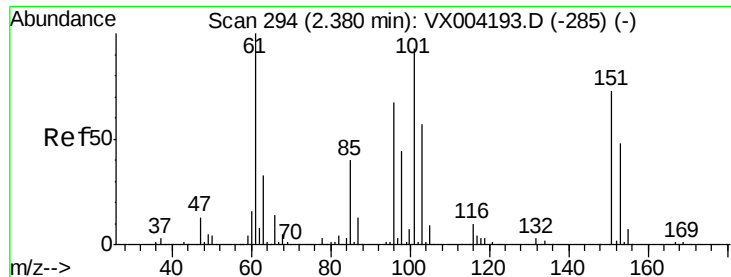


#8

Diethyl Ether
 Concen: 25.39 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. 0.00 min
 Lab File: VX004265.D
 Acq: 27 Aug 2018 16:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		54182		
45	92.4	48.3	144.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 15.46 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.01 min

Lab File: VX004265.D

Acq: 27 Aug 2018 16:43

Instrument :

MSVOA_X

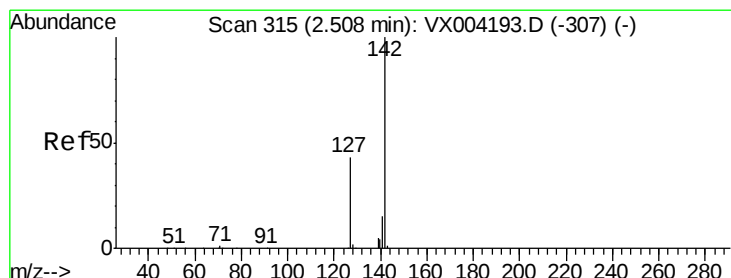
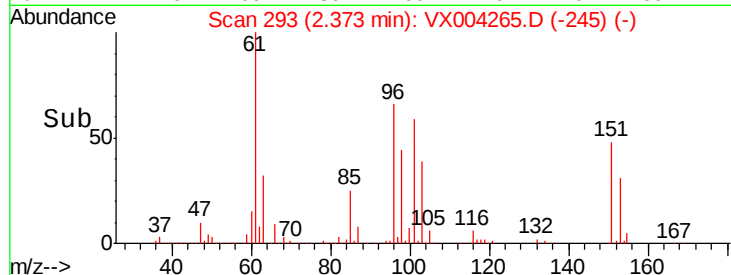
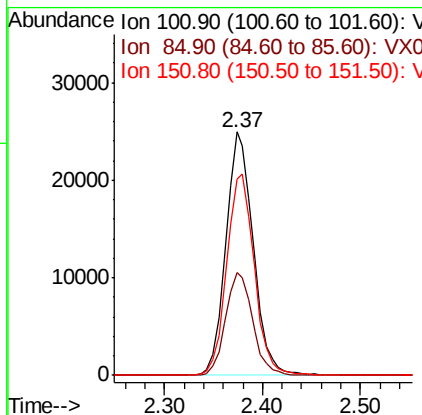
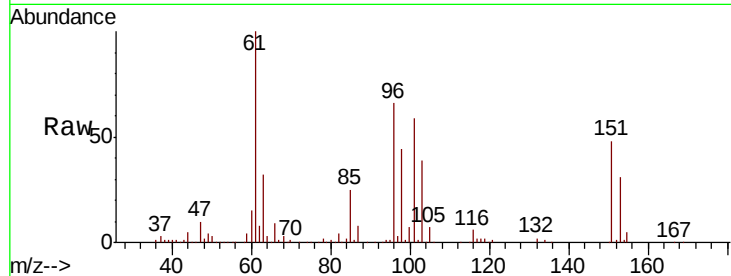
ClientSampleId :

VX0827MBSD01

Tot Ion:	101	Resp:	48234
Ion Ratio	Lower	Upper	
101	100		
85	41.8	34.2	51.4
151	83.4	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 20.40 ug/l

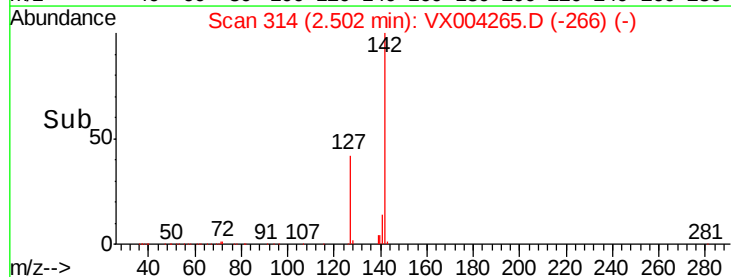
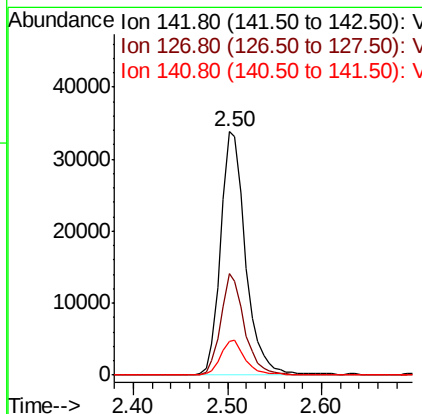
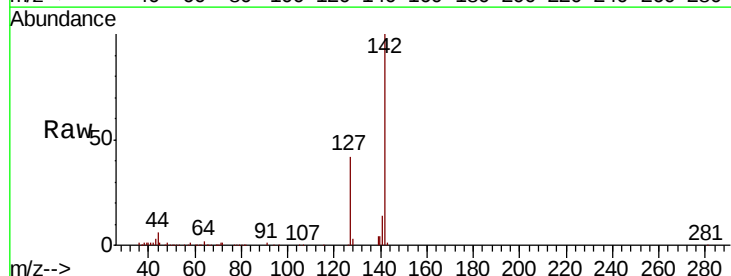
RT: 2.50 min Scan# 314

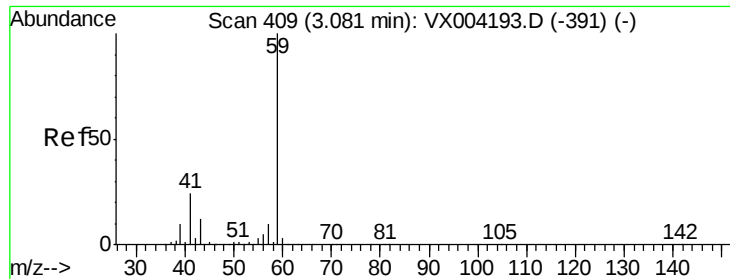
Delta R.T. -0.01 min

Lab File: VX004265.D

Acq: 27 Aug 2018 16:43

Tgt Ion:	142	Resp:	62119
Ion Ratio	Lower	Upper	
142	100		
127	39.6	33.8	50.6
141	14.0	11.4	17.0





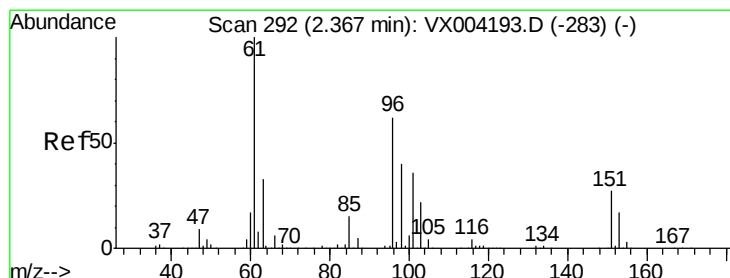
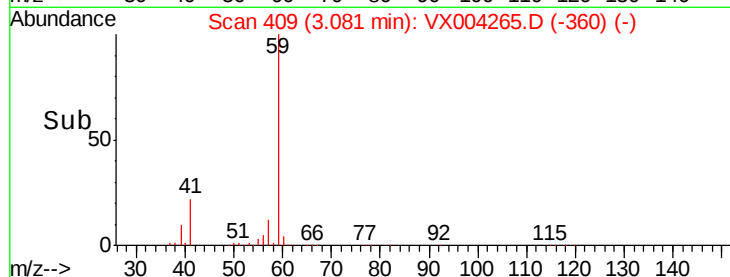
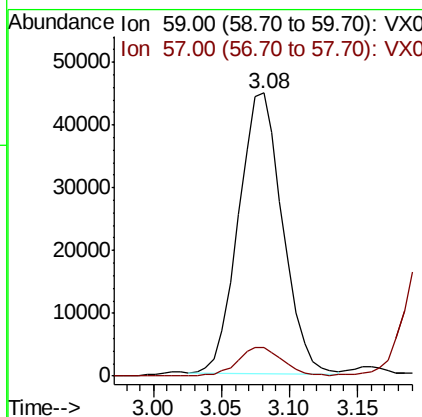
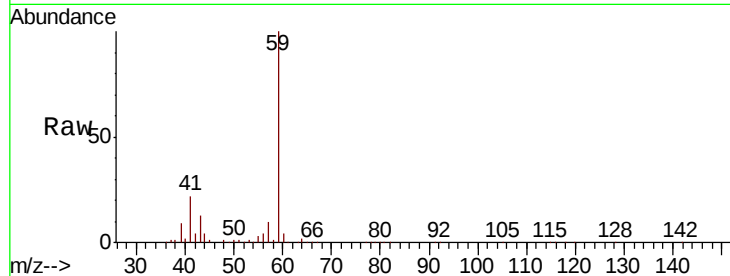
#11
Tert butyl alcohol
Concen: 131.35 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX004265.D
Acq: 27 Aug 2018 16:43

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBSD01

Tot Ion	59.00 (58.70 to 59.70): VX0	Resp	101273
Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.2	12.4

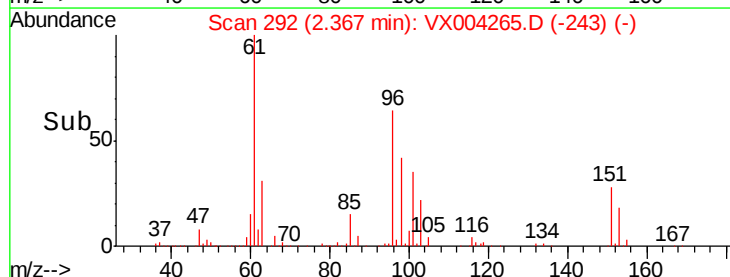
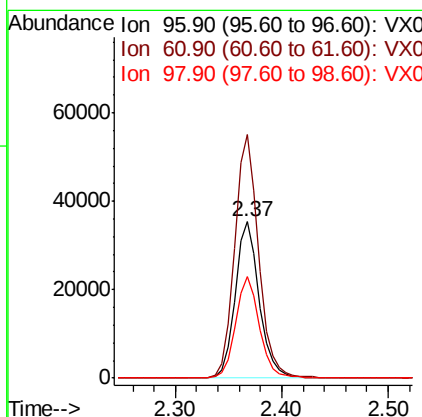
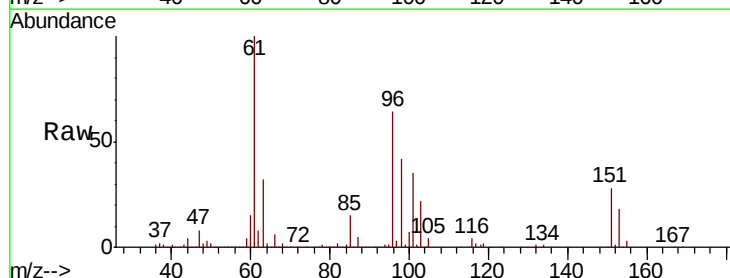
Manual Integrations
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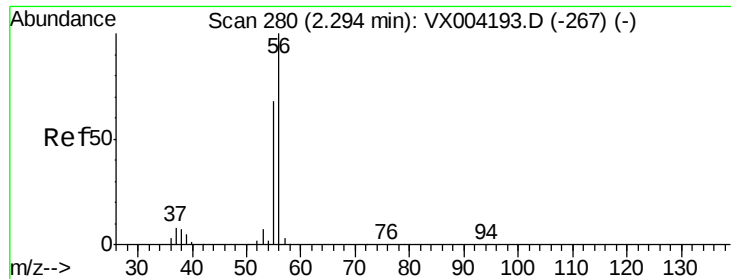
MMDadoda
8/28/2018 3:54:25 PM



#12
1,1-Dichloroethene
Concen: 19.02 ug/l
RT: 2.37 min Scan# 292
Delta R.T. 0.00 min
Lab File: VX004265.D
Acq: 27 Aug 2018 16:43

Tgt Ion	96	Resp	55905
Ion	Ratio	Lower	Upper
96	100		
61	155.6	128.8	193.2
98	65.2	52.2	78.2





#13

Acrolein

Concen: 124.15 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX004265.D

Acq: 27 Aug 2018 16:43

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBSD01

Tot Ion: 56 Resp: 23077

Ion Ratio Lower Upper

56 100

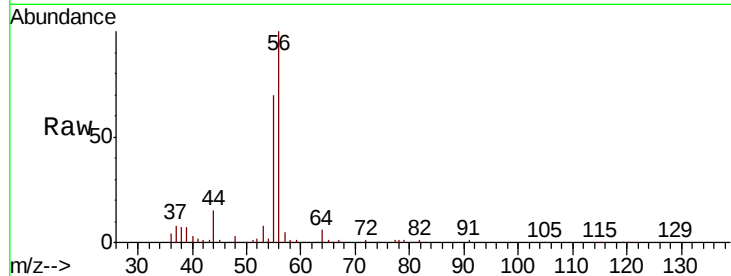
55 70.5 54.7 82.1

Manual Integrations

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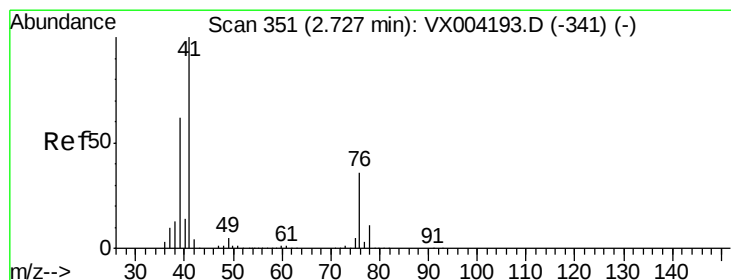
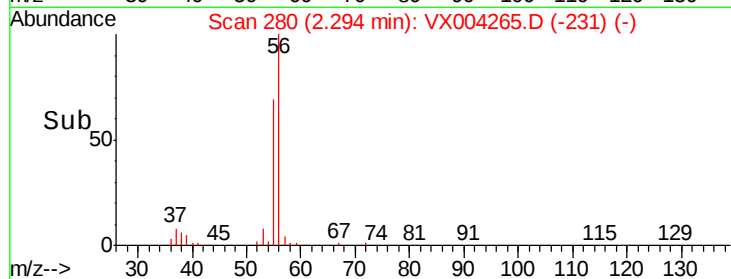
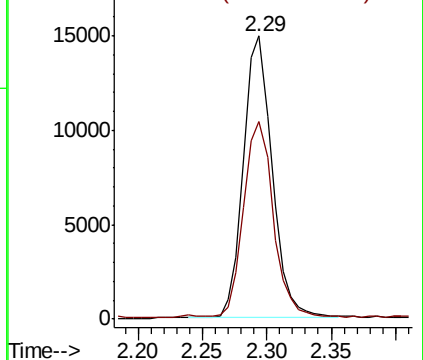
MMDadoda

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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: 22.81 ug/l

RT: 2.72 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX004265.D

Acq: 27 Aug 2018 16:43

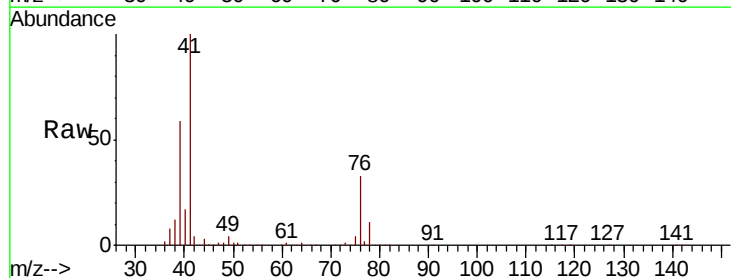
Tgt Ion: 41 Resp: 123213

Ion Ratio Lower Upper

41 100

39 56.4 48.9 73.3

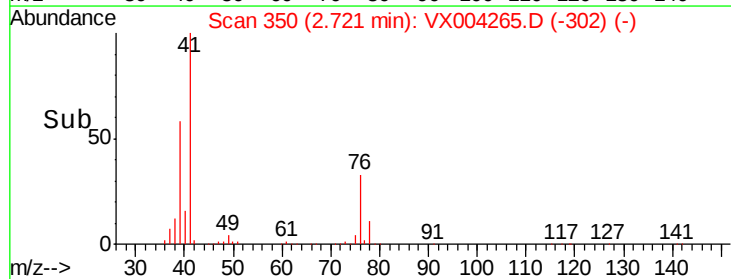
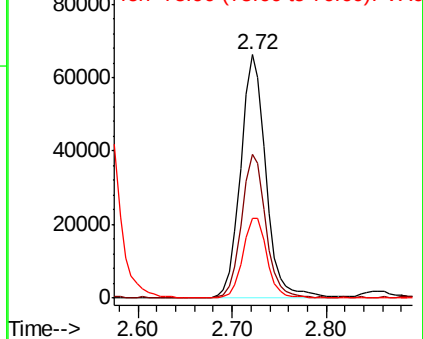
76 32.0 26.7 40.1



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: 124.05 ug/l

RT: 3.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VX004265.D

Acq: 27 Aug 2018 16:43

Instrument :

MSVOA_X

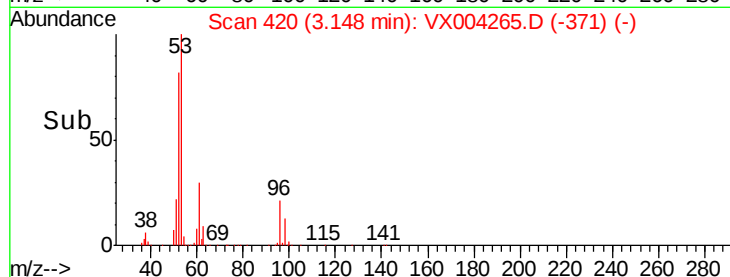
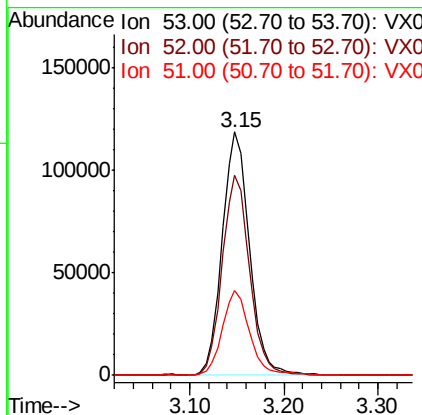
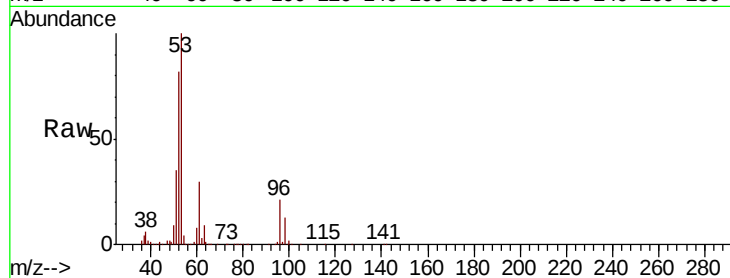
ClientSampleId :

VX0827MBSD01

Tot Ion:	53	Resp:	236859
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.2	97.8
51	35.4	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 129.09 ug/l

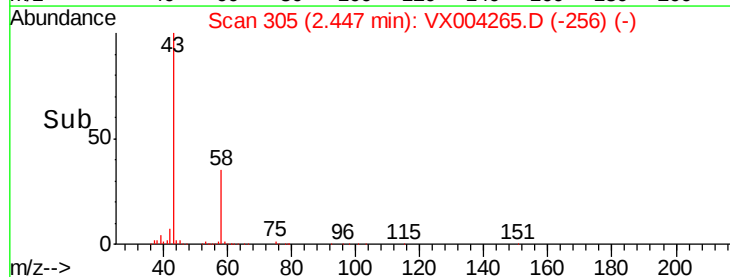
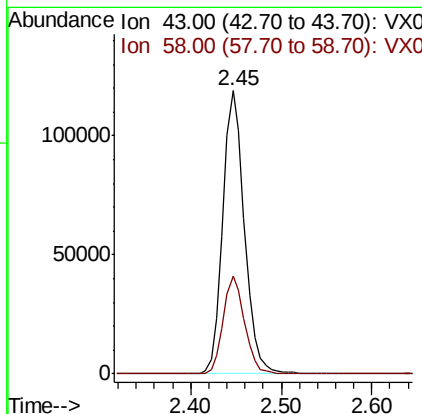
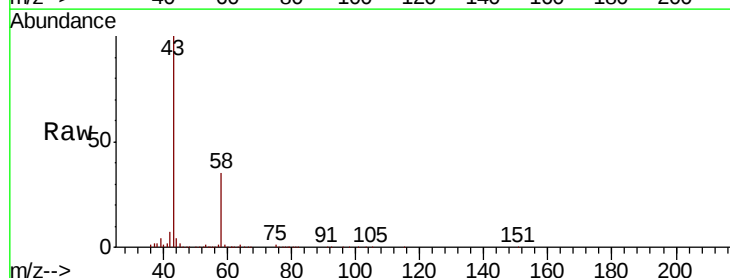
RT: 2.45 min Scan# 305

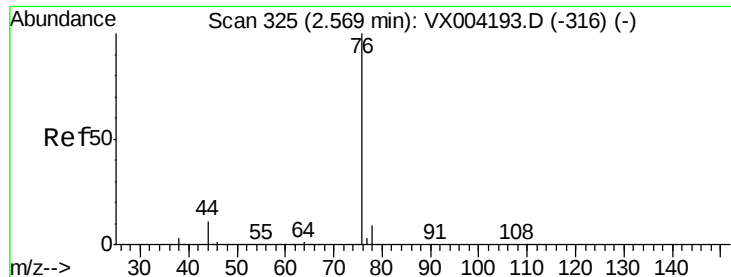
Delta R.T. 0.00 min

Lab File: VX004265.D

Acq: 27 Aug 2018 16:43

Tgt Ion:	43	Resp:	196360
Ion	Ratio	Lower	Upper
43	100		
58	34.7	26.2	39.4





#17

Carbon Disulfide

Concen: 16.39 ug/l

RT: 2.56 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX004265.D

Acq: 27 Aug 2018 16:43

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBSD01

Tot Ion: 76 Resp: 129381

Ion Ratio Lower Upper

76 100

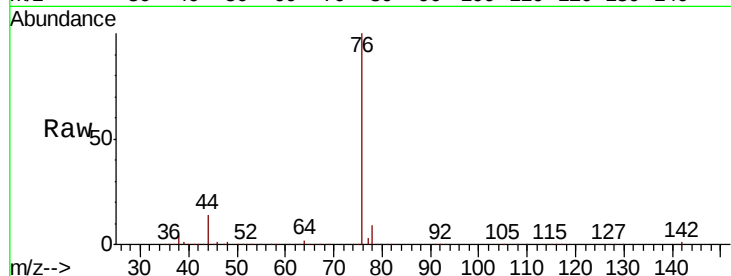
78 9.3 7.0 10.6

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

2.56

80000

60000

40000

20000

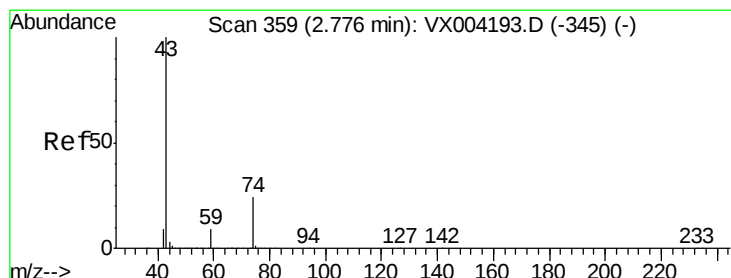
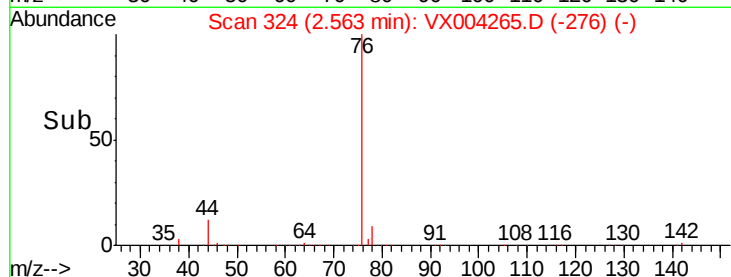
0

Time-->

2.50

2.60

2.70



#18

Methyl Acetate

Concen: 28.94 ug/l

RT: 2.78 min Scan# 359

Delta R.T. 0.00 min

Lab File: VX004265.D

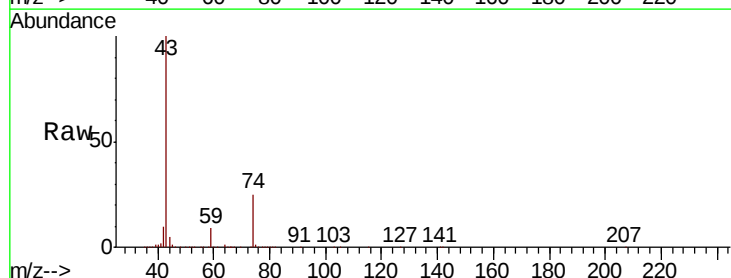
Acq: 27 Aug 2018 16:43

Tgt Ion: 43 Resp: 155340

Ion Ratio Lower Upper

43 100

74 24.1 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

100000

80000

60000

40000

20000

0

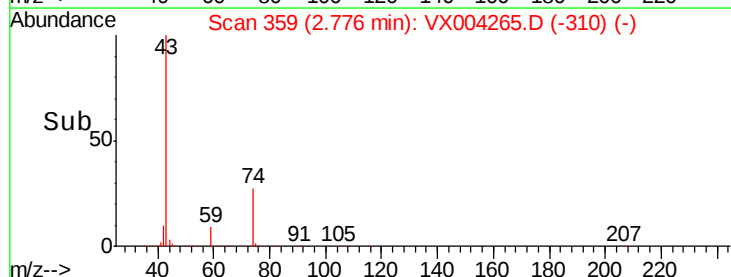
Time-->

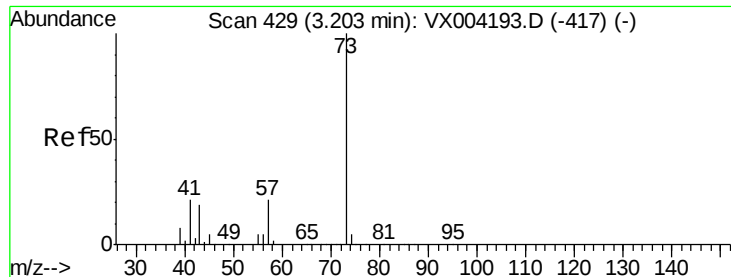
2.60

2.70

2.80

2.90





#19

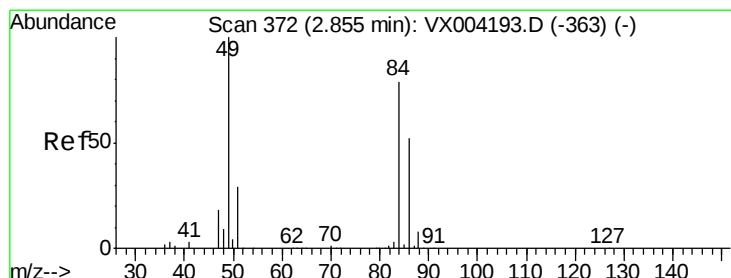
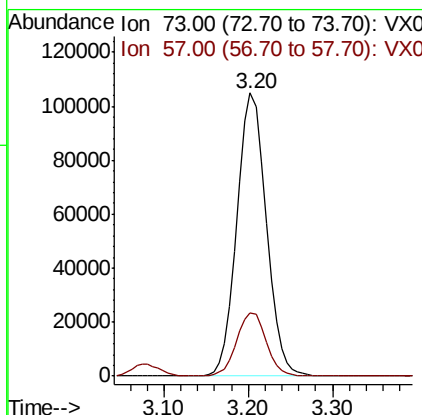
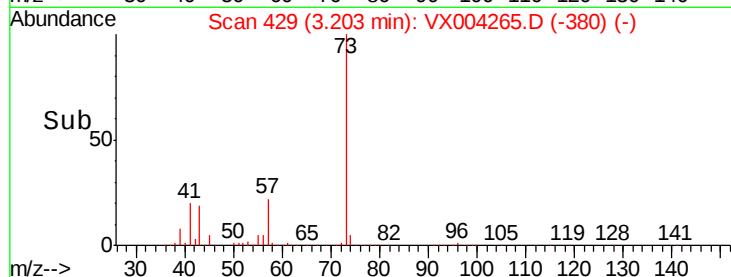
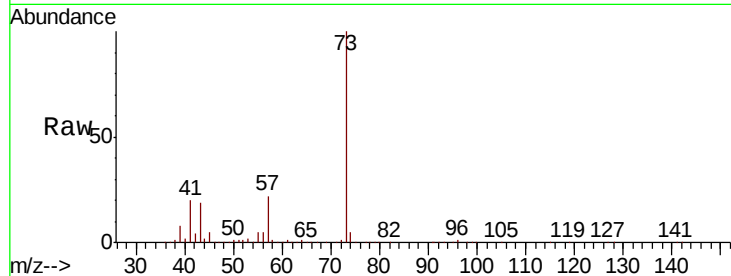
Methyl tert-butyl Ether
 Concen: 25.49 ug/l
 RT: 3.20 min Scan# 429
 Delta R.T. 0.00 min
 Lab File: VX004265.D
 Acq: 27 Aug 2018 16:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827MBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.1	25.7

Manual Integrations
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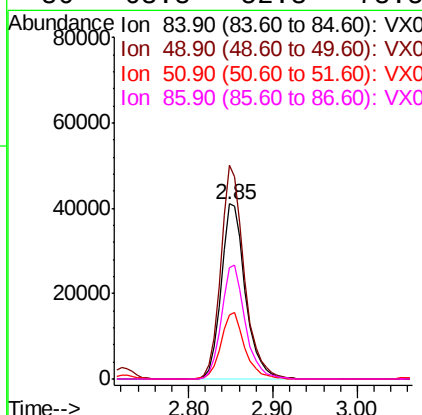
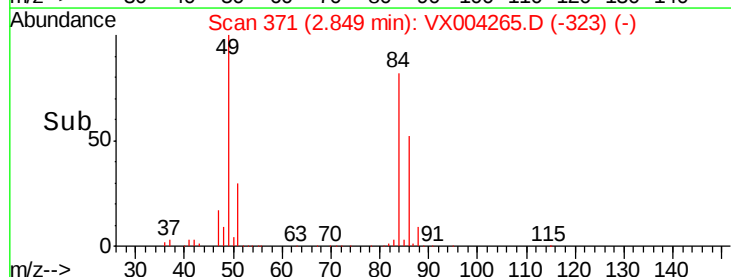
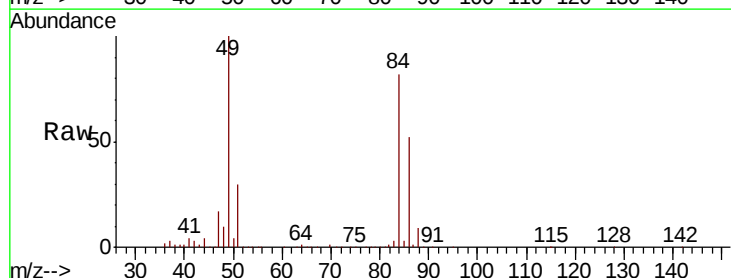
MMDadoda
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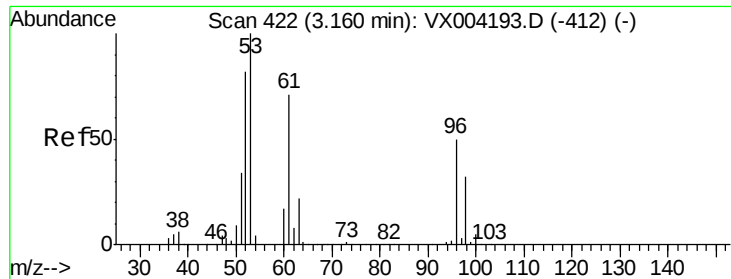


#20

Methylene Chloride
 Concen: 23.30 ug/l
 RT: 2.85 min Scan# 371
 Delta R.T. -0.01 min
 Lab File: VX004265.D
 Acq: 27 Aug 2018 16:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.1	101.2	151.8
51	36.5	29.5	44.3
86	63.8	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 20.67 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX004265.D

Acq: 27 Aug 2018 16:43

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBSD01

Tot Ion: 96 Resp: 67269

Ion Ratio Lower Upper

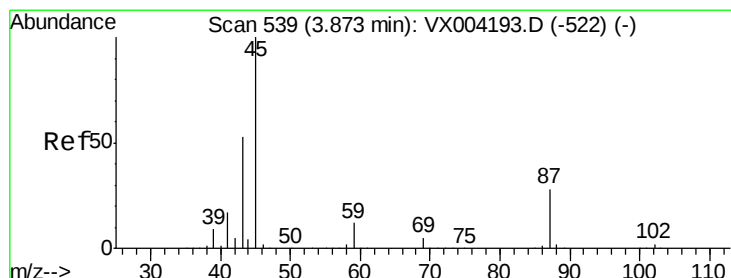
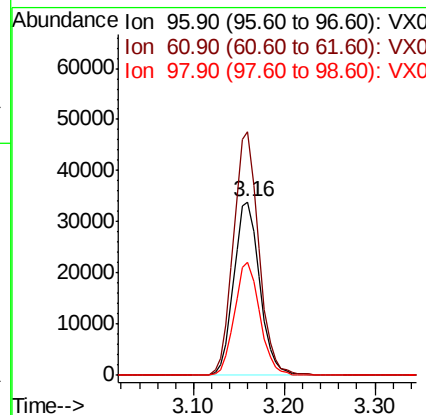
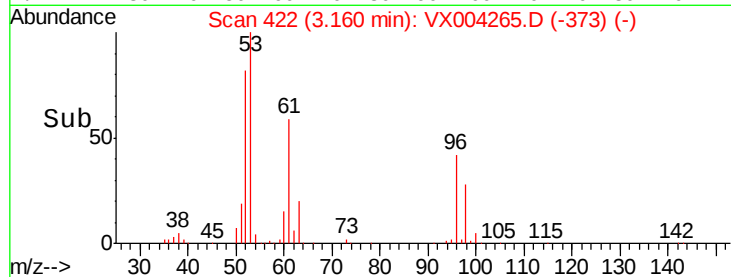
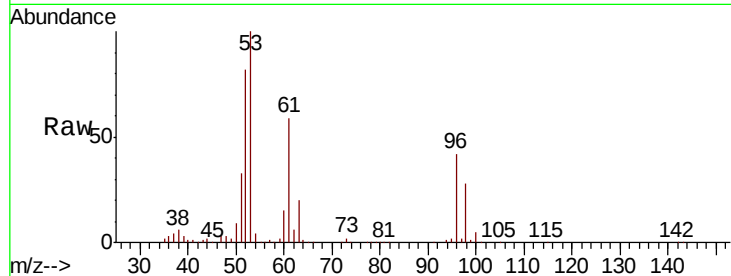
96 100

61 140.3 113.8 170.6

98 65.4 51.8 77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 23.88 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.01 min

Lab File: VX004265.D

Acq: 27 Aug 2018 16:43

Tgt Ion: 45 Resp: 240823

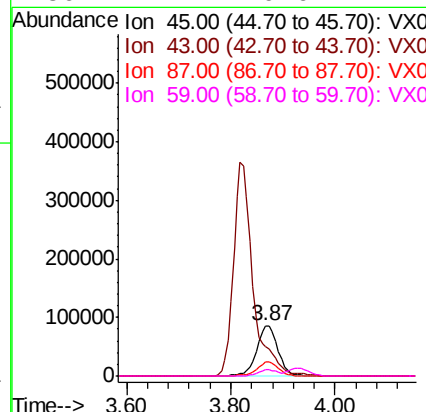
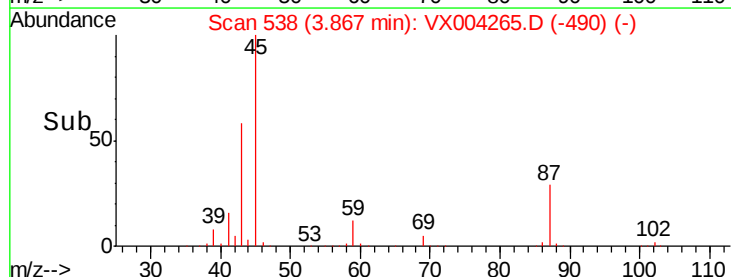
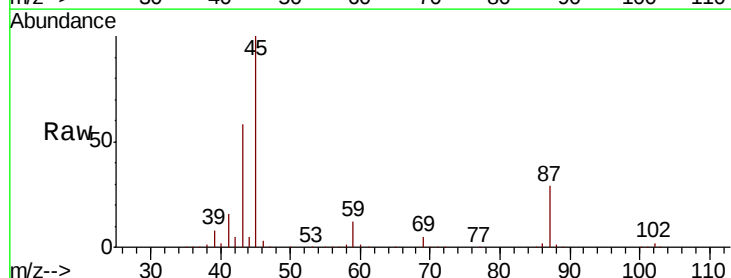
Ion Ratio Lower Upper

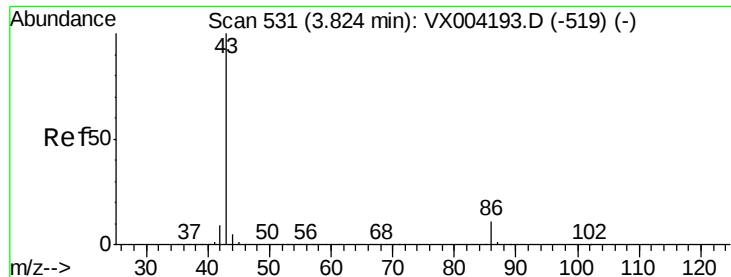
45 100

43 57.9 42.8 64.2

87 29.2 22.6 34.0

59 12.1 9.6 14.4





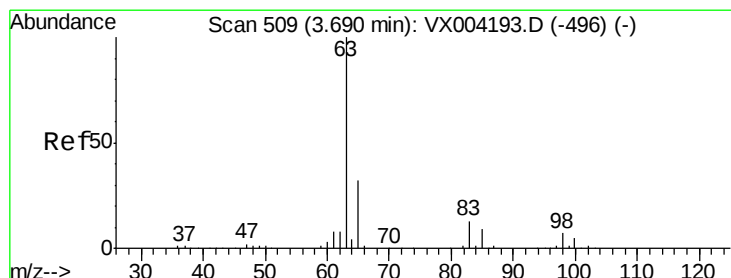
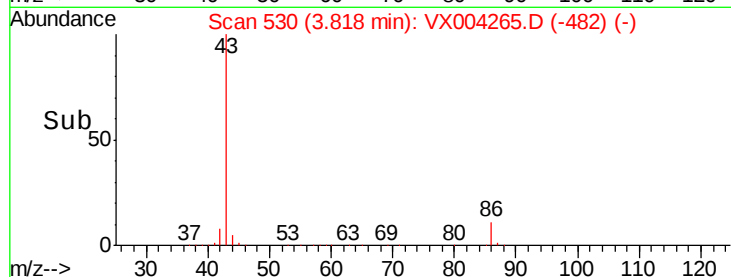
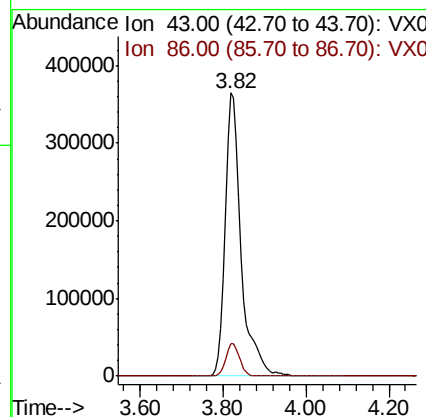
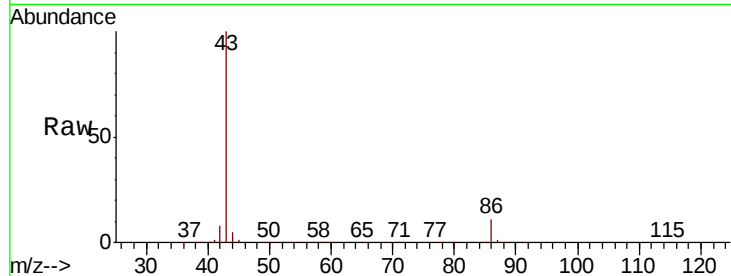
#23
 Vinyl Acetate
 Concen: 117.77 ug/l
 RT: 3.82 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VX004265.D
 Acq: 27 Aug 2018 16:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827MBSD01

Tot Ion	43	Resp	962579
Ion Ratio	100	Lower	Upper
43	100		
86	11.4	8.9	13.3

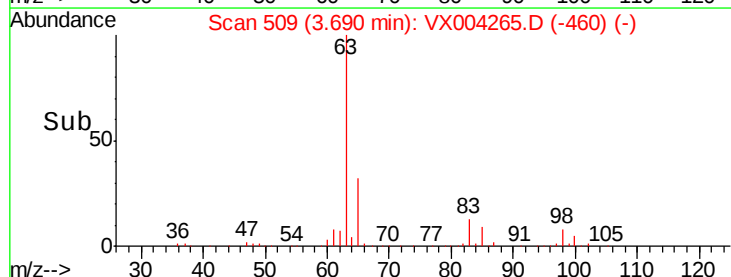
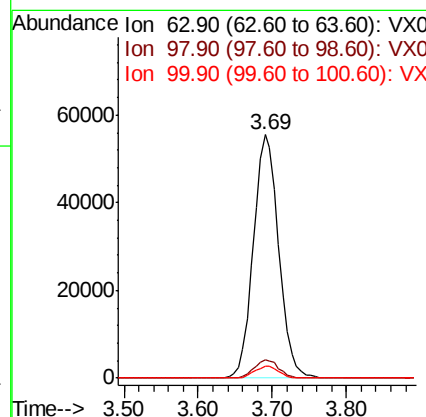
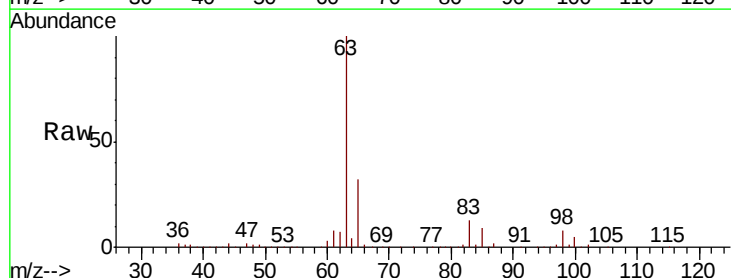
Manual Integrations
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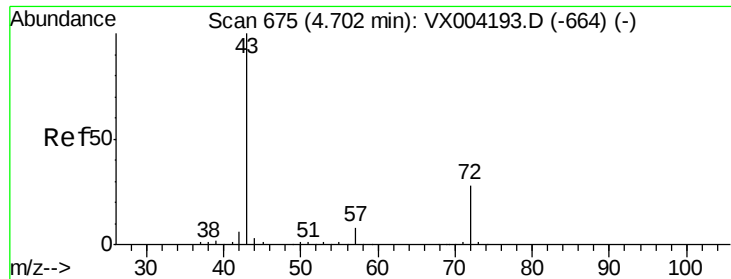
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 22.48 ug/l
 RT: 3.69 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VX004265.D
 Acq: 27 Aug 2018 16:43

Tgt Ion	63	Resp	132101
Ion Ratio	100	Lower	Upper
63	100		
98	7.5	3.5	10.4
100	4.8	2.4	7.1





#25

2-Butanone

Concen: 124.20 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX004265.D

Acq: 27 Aug 2018 16:43

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBSD01

Tot Ion: 43 Resp: 304484

Ion Ratio Lower Upper

43 100

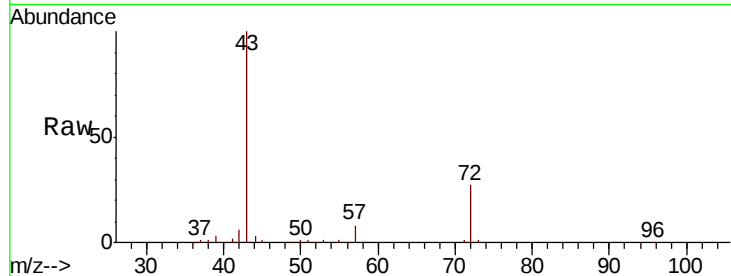
72 27.4 22.0 33.0

Manual Integrations

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8/28/2018 3:54:25 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

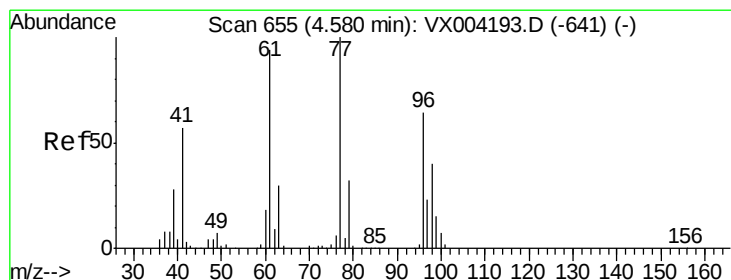
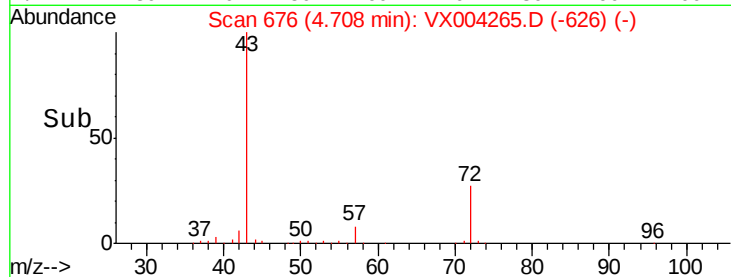
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 20.23 ug/l

RT: 4.58 min Scan# 655

Delta R.T. 0.00 min

Lab File: VX004265.D

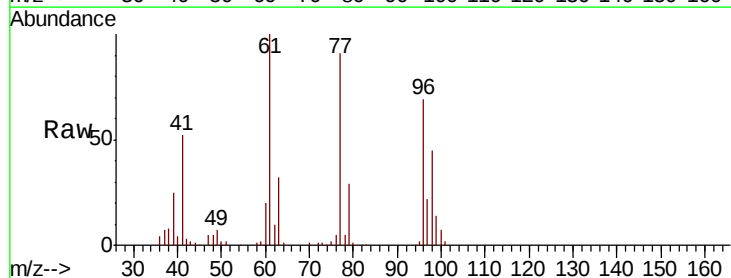
Acq: 27 Aug 2018 16:43

Tgt Ion: 77 Resp: 93260

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

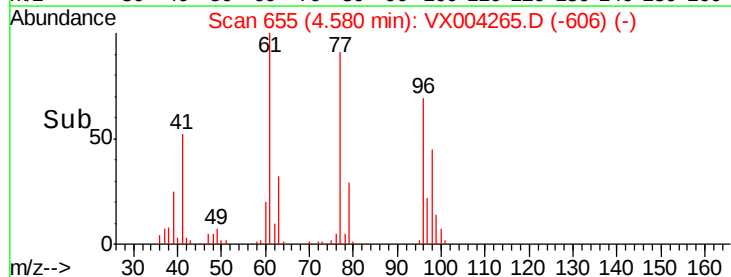
20000

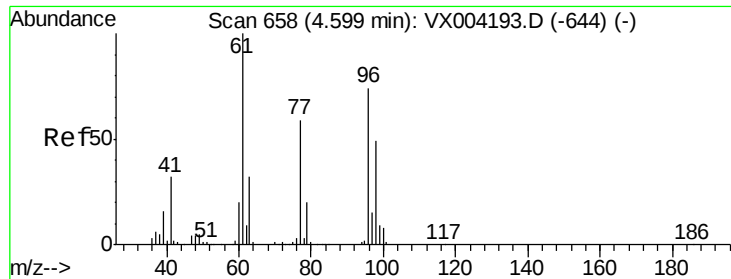
10000

0

4.50 4.60 4.70

Time-->





#27

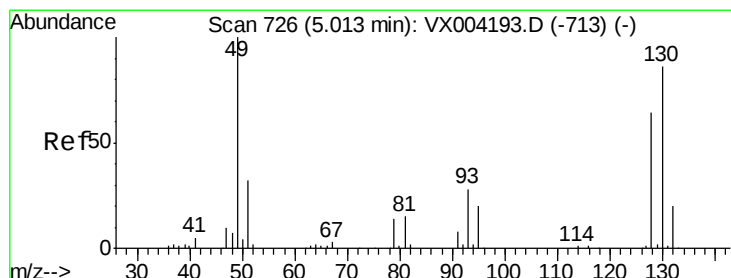
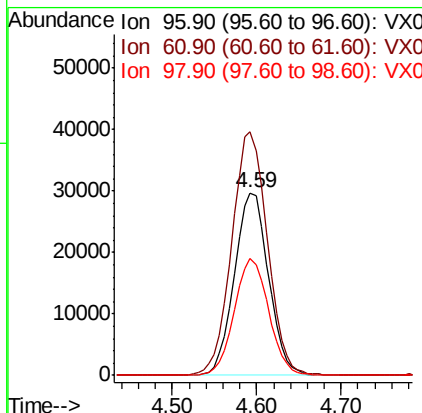
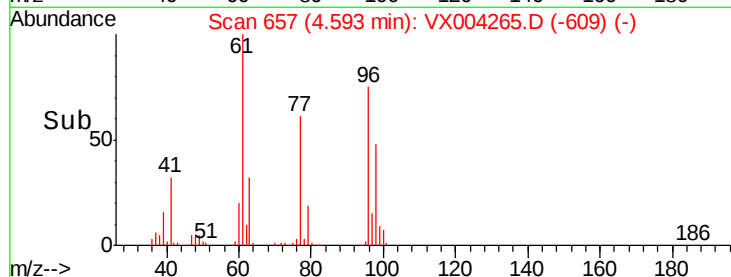
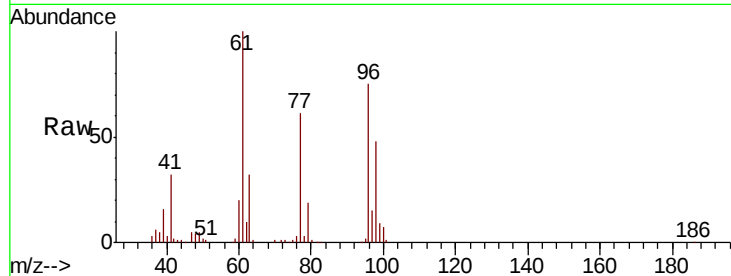
cis-1,2-Dichloroethene
Concen: 22.08 ug/l
RT: 4.59 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX004265.D
Acq: 27 Aug 2018 16:43

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.8	0.0	282.6
98	64.4	0.0	130.2

Manual Integrations
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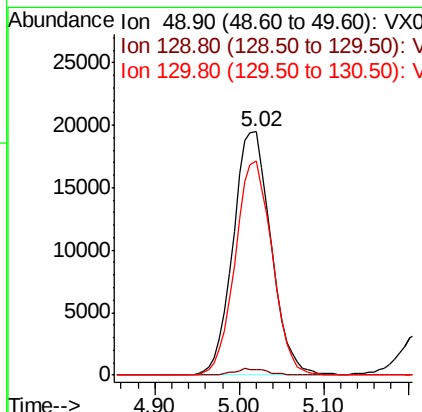
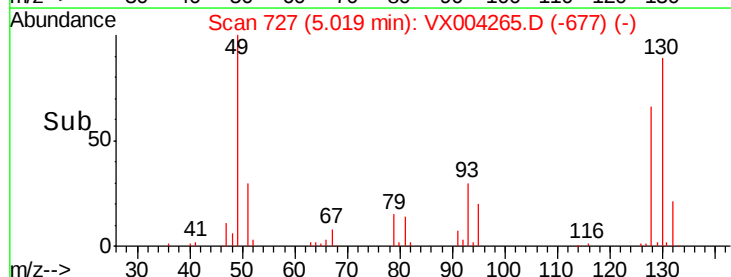
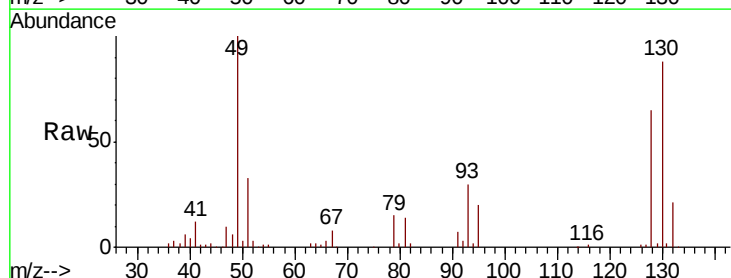
MMDadoda
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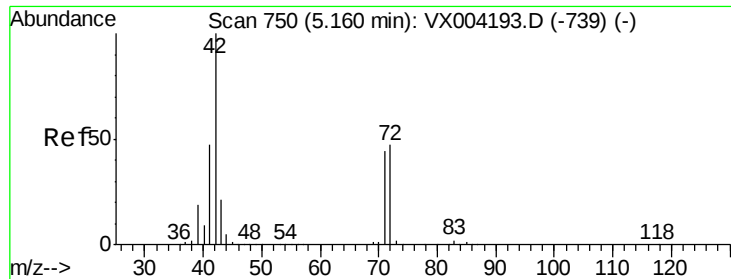


#28

Bromochloromethane
Concen: 22.87 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX004265.D
Acq: 27 Aug 2018 16:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	85.4	67.5	101.3





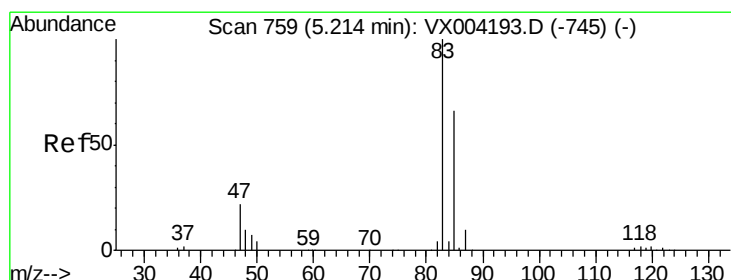
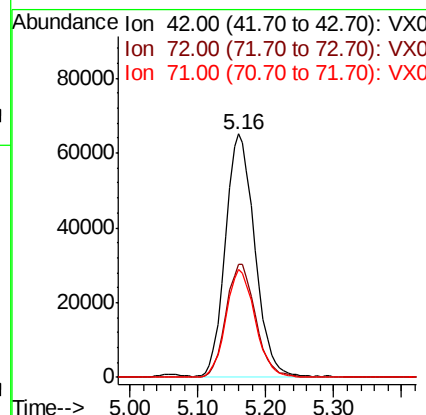
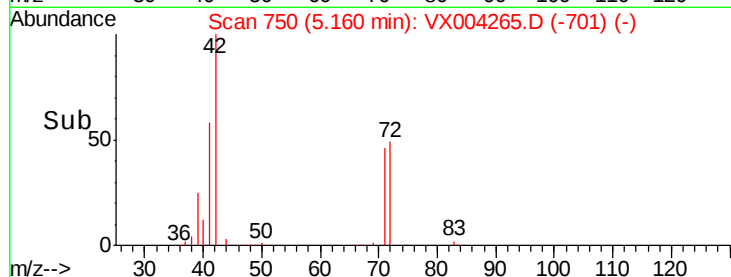
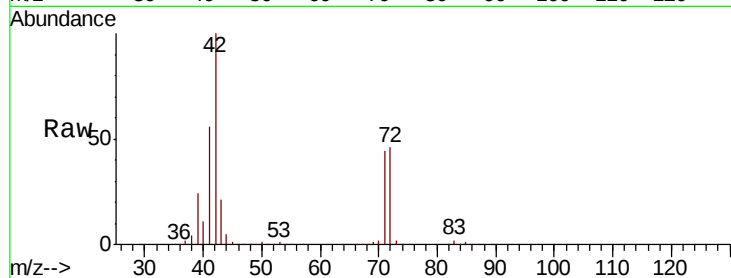
#29
Tetrahydrofuran
Concen: 124.92 ug/l
RT: 5.16 min Scan# 750
Delta R.T. 0.00 min
Lab File: VX004265.D
Acq: 27 Aug 2018 16:43

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.9	37.4	56.0
71	44.1	34.5	51.7

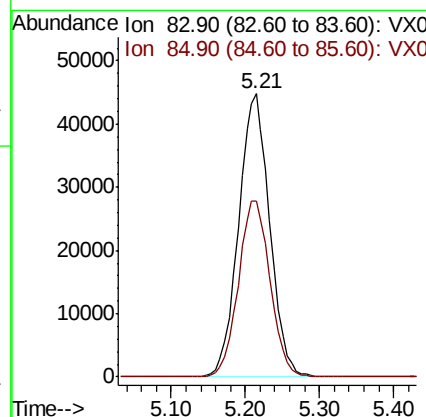
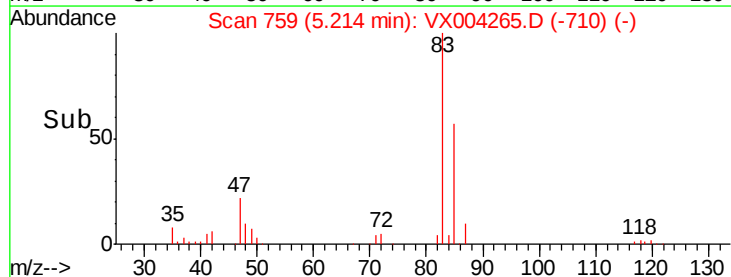
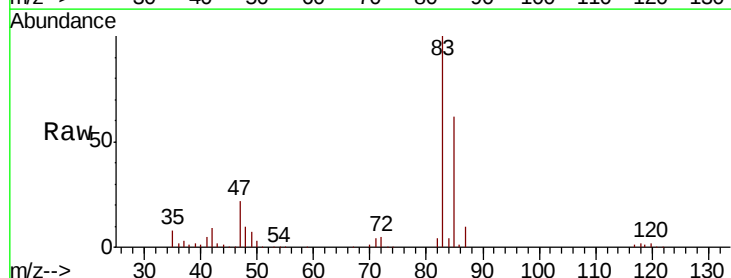
Manual Integrations
APPROVED

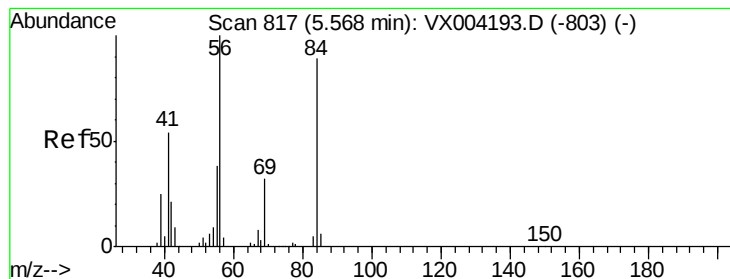
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#30
Chloroform
Concen: 22.17 ug/l
RT: 5.21 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX004265.D
Acq: 27 Aug 2018 16:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	52.6	79.0





#31

Cyclohexane

Concen: 15.03 ug/l

RT: 5.57 min Scan# 817

Delta R.T. 0.00 min

Lab File: VX004265.D

Acq: 27 Aug 2018 16:43

Instrument :

MSVOA_X

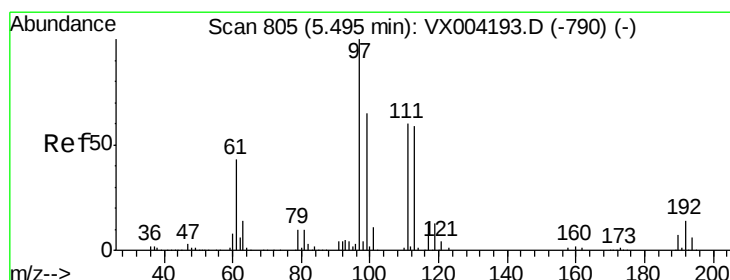
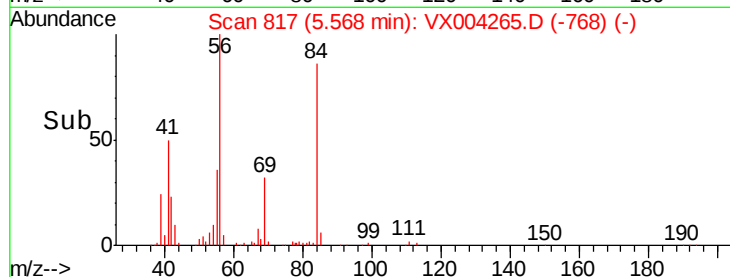
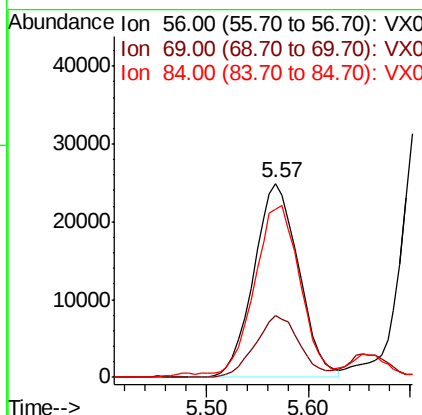
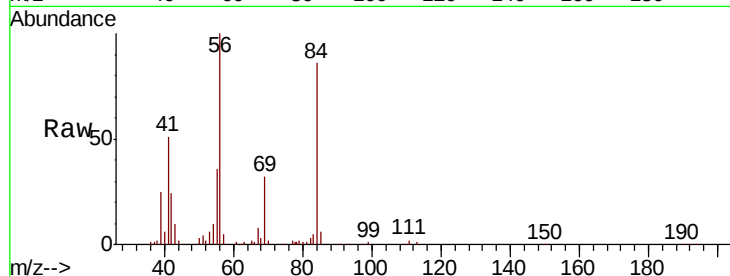
ClientSampleId :

VX0827MBSD01

Tot Ion:	56	Resp:	76240
Ion	Ratio	Lower	Upper
56	100		
69	31.6	25.4	38.2
84	84.4	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 19.16 ug/l

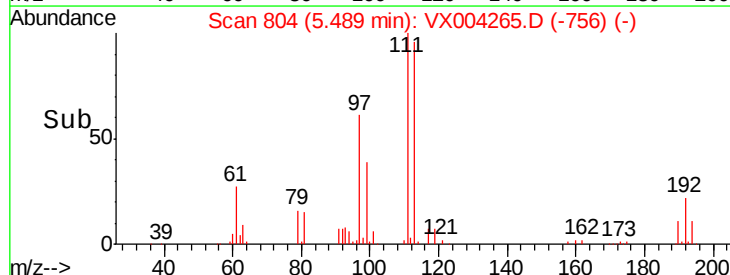
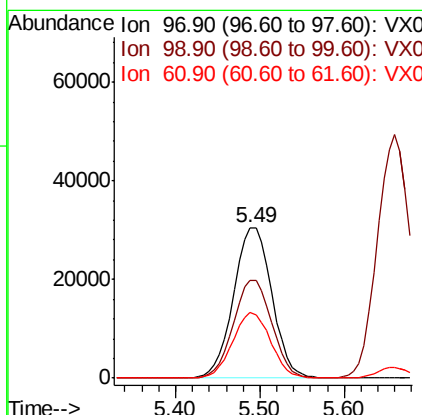
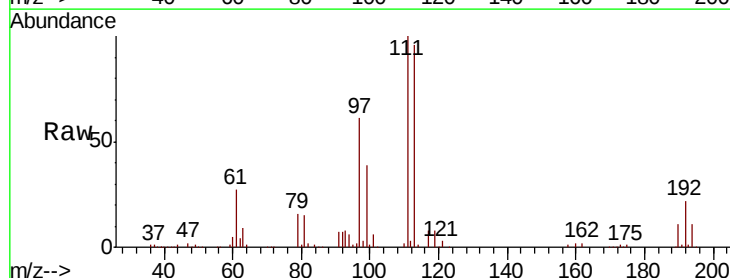
RT: 5.49 min Scan# 804

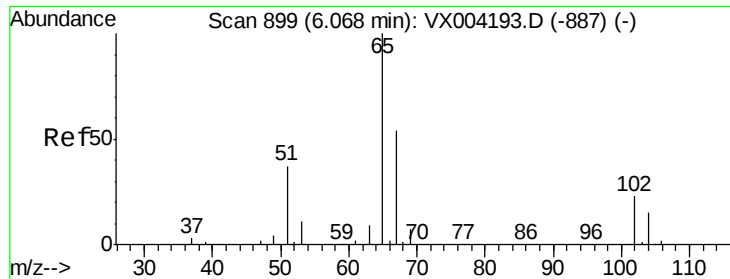
Delta R.T. -0.01 min

Lab File: VX004265.D

Acq: 27 Aug 2018 16:43

Tgt Ion:	97	Resp:	94163
Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.0	78.0
61	43.5	34.9	52.3





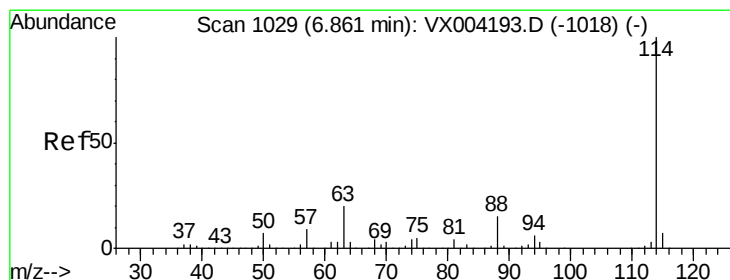
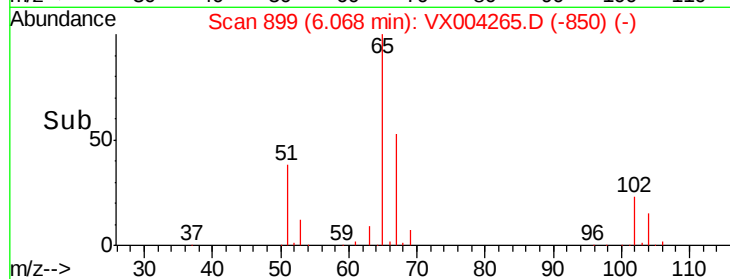
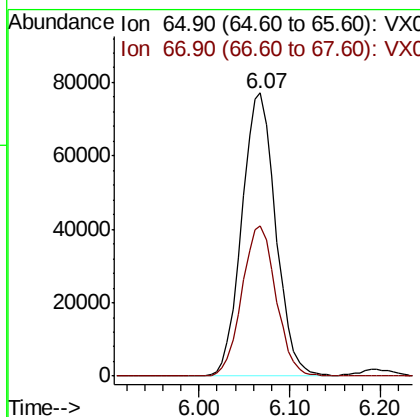
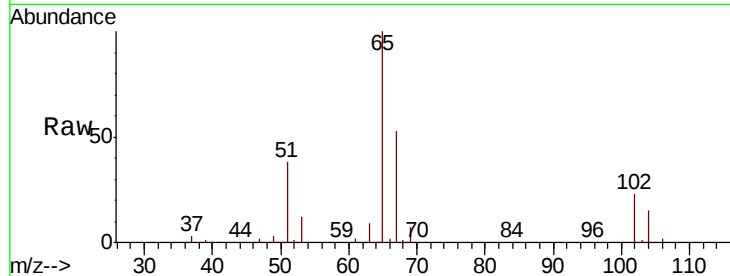
#33
 1,2-Dichloroethane-d4
 Concen: 55.15 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX004265.D
 Acq: 27 Aug 2018 16:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	199482		
67	53.4	0.0	106.8	

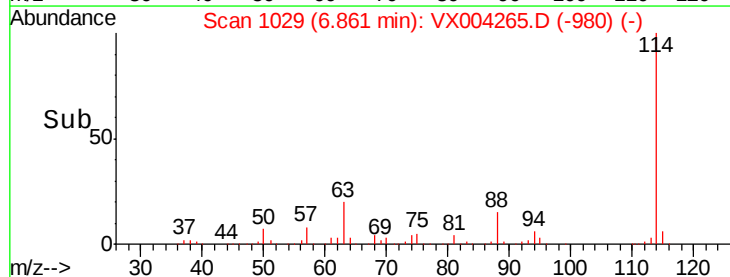
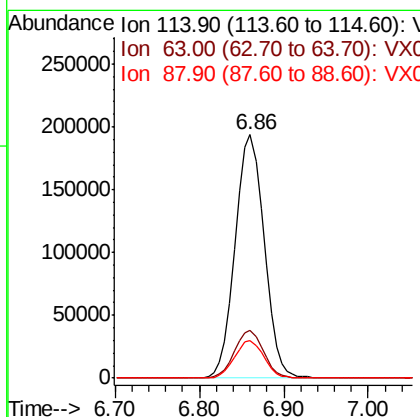
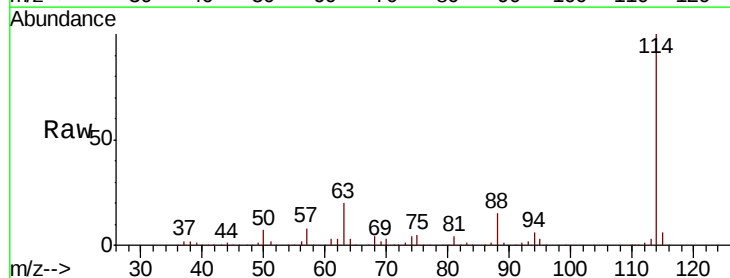
Manual Integrations
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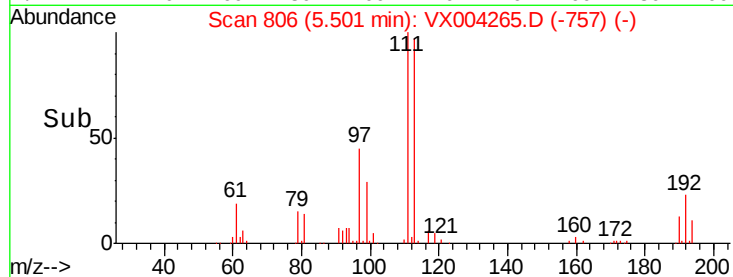
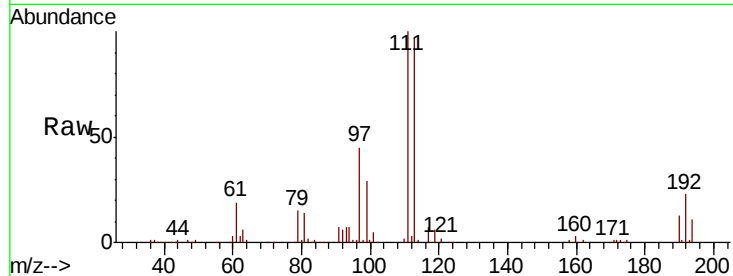
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX004265.D
 Acq: 27 Aug 2018 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	452649		
63	19.5	0.0	39.0	
88	15.2	0.0	30.4	





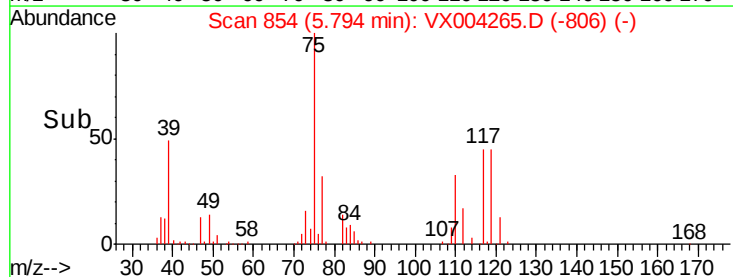
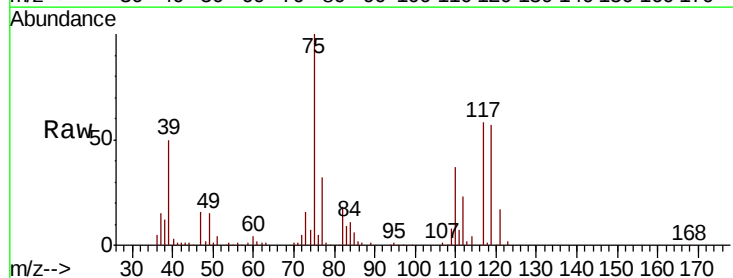
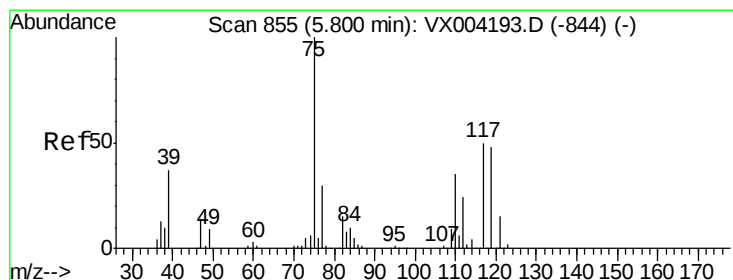
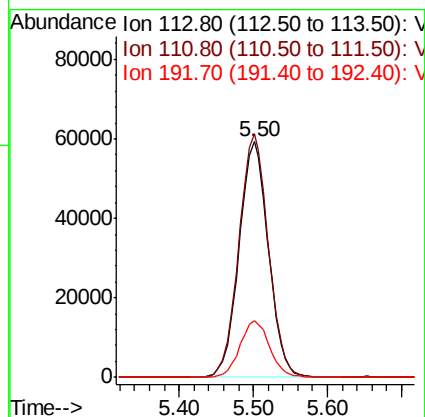
#35
Dibromofluoromethane
Concen: 48.79 ug/l
RT: 5.50 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX004265.D
Acq: 27 Aug 2018 16:43

Tot Ion	Ratio	Resp	Lower	Upper
113	100	164293		
111	103.6	82.4	123.6	
192	24.3	19.4	29.2	

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBSD01

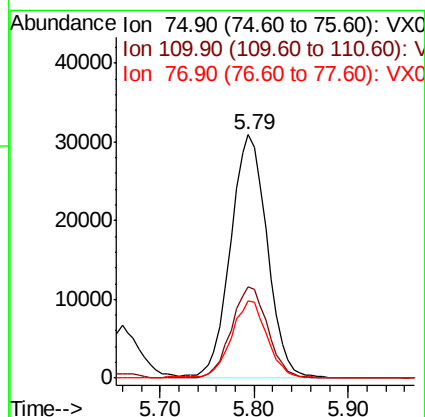
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#36
1,1-Dichloropropene
Concen: 16.33 ug/l
RT: 5.79 min Scan# 854
Delta R.T. -0.01 min
Lab File: VX004265.D
Acq: 27 Aug 2018 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	83119		
110	37.5	18.0	54.0	
77	30.9	24.6	36.8	





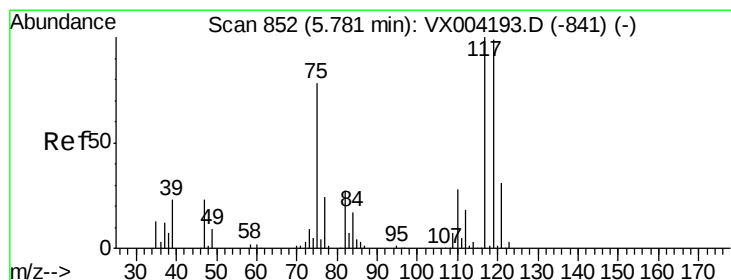
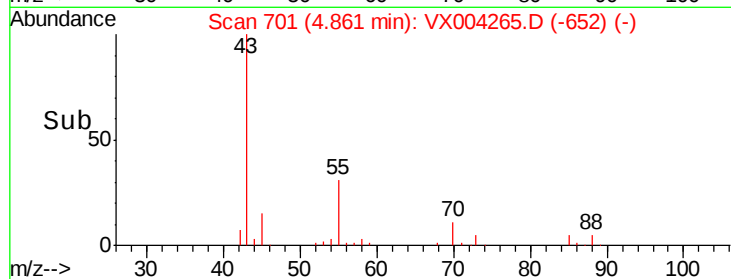
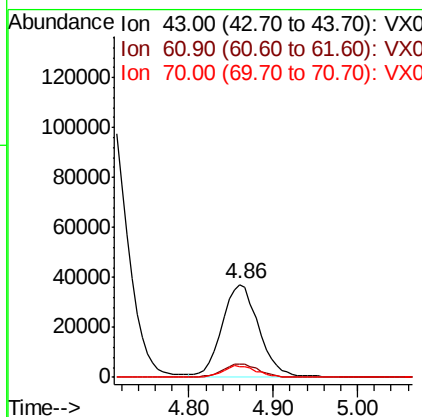
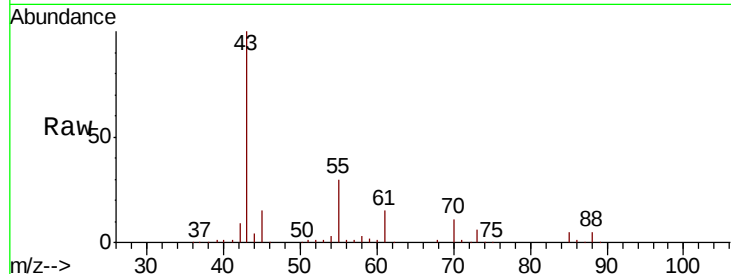
#37
Ethyl Acetate
Concen: 21.91 ug/l
RT: 4.86 min Scan# 701
Delta R.T. 0.00 min
Lab File: VX004265.D
Acq: 27 Aug 2018 16:43

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.5	17.3
70	11.8	9.0	13.6

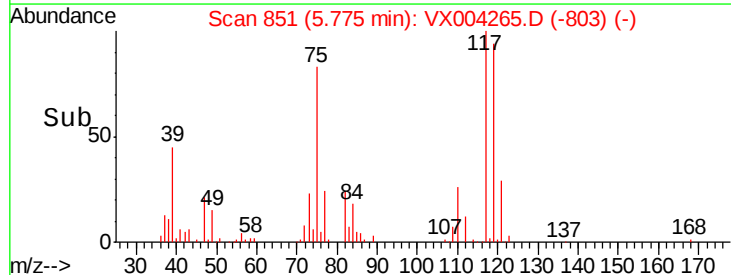
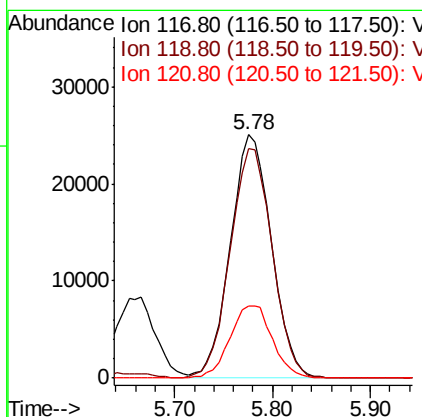
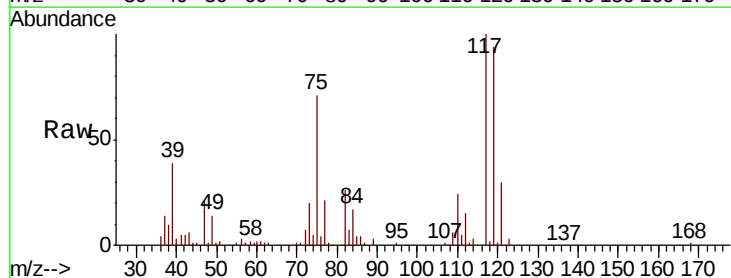
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 15.26 ug/l
RT: 5.78 min Scan# 851
Delta R.T. -0.01 min
Lab File: VX004265.D
Acq: 27 Aug 2018 16:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	78.8	118.2
121	29.8	24.9	37.3





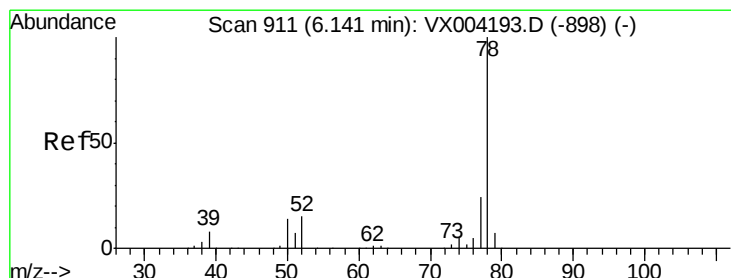
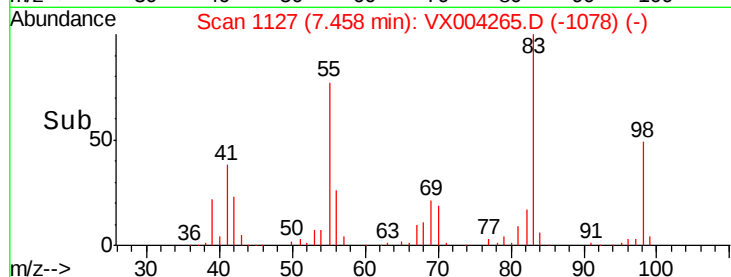
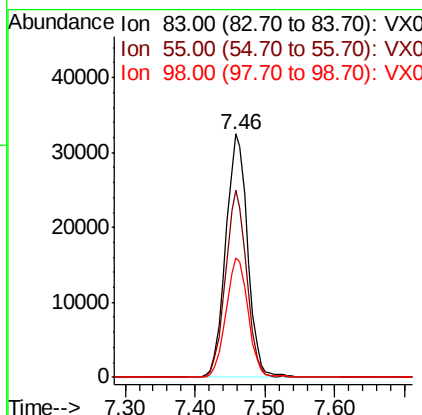
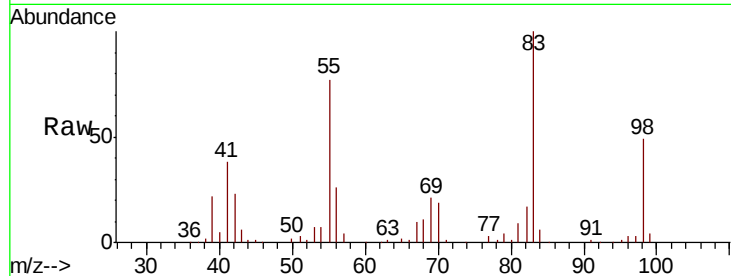
#39
Methvlcvclohexane
Concen: 12.11 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VX004265.D
Acq: 27 Aug 2018 16:43

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.8	61.0	91.4
98	49.0	39.6	59.4

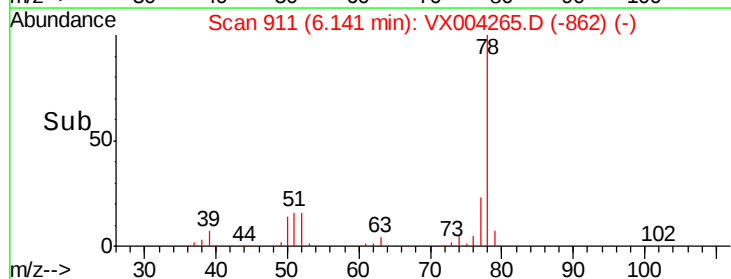
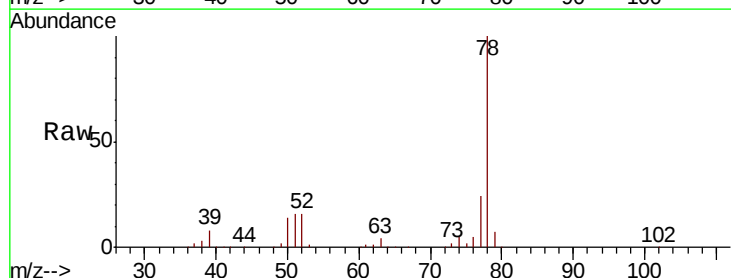
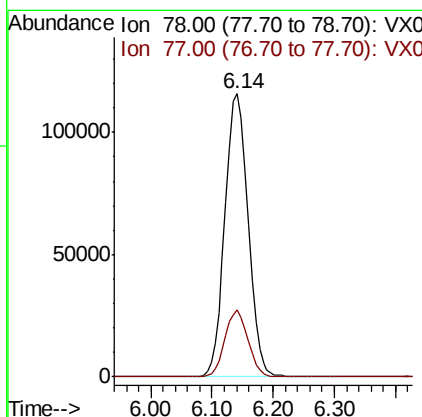
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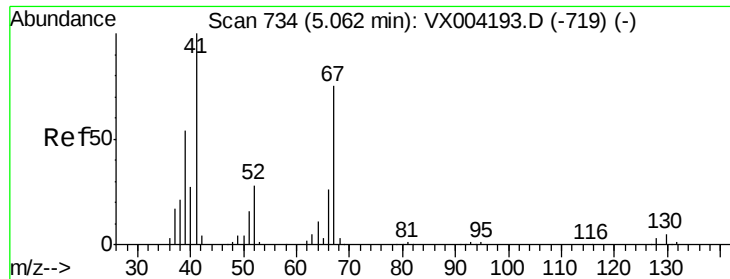
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#40
Benzene
Concen: 20.01 ug/l
RT: 6.14 min Scan# 911
Delta R.T. 0.00 min
Lab File: VX004265.D
Acq: 27 Aug 2018 16:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.4





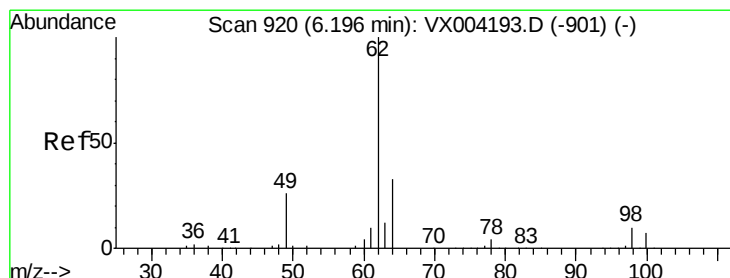
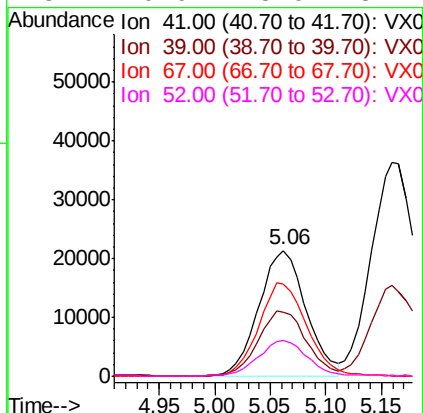
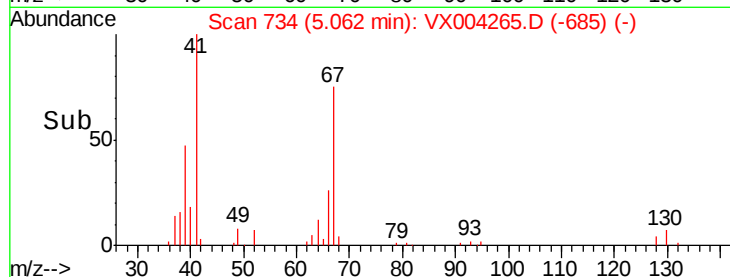
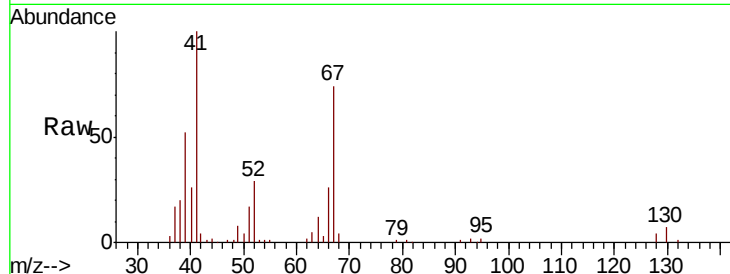
#41
Methacrylonitrile
Concen: 21.84 ug/l
RT: 5.06 min Scan# 734
Delta R.T. 0.00 min
Lab File: VX004265.D
Acq: 27 Aug 2018 16:43

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.9	42.4	63.6
67	75.6	59.2	88.8
52	29.9	23.0	34.4

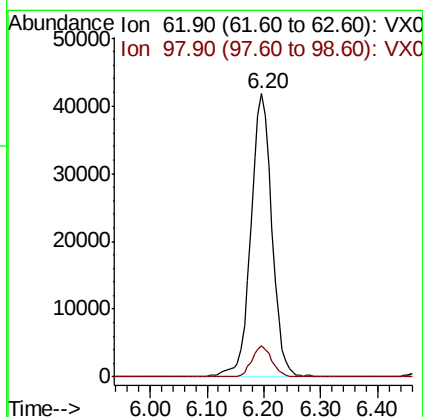
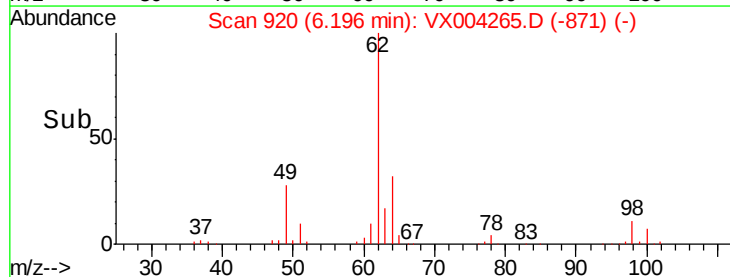
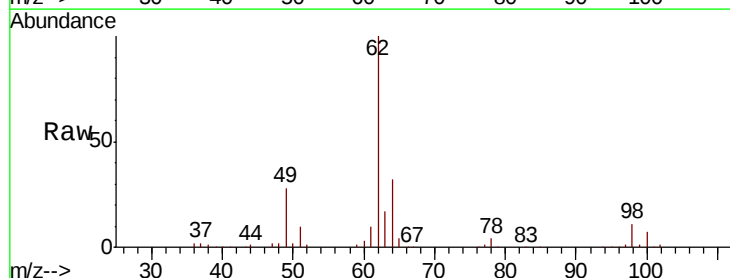
Manual Integrations
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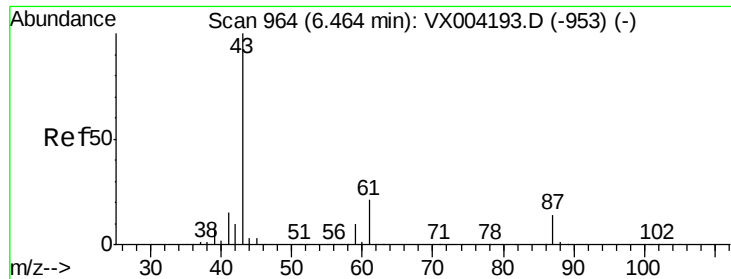
MMDadoda
8/28/2018 3:54:25 PM



#42
1,2-Dichloroethane
Concen: 20.66 ug/l
RT: 6.20 min Scan# 920
Delta R.T. 0.00 min
Lab File: VX004265.D
Acq: 27 Aug 2018 16:43

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.6





#43

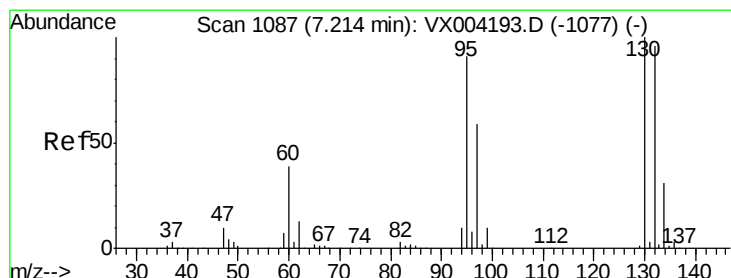
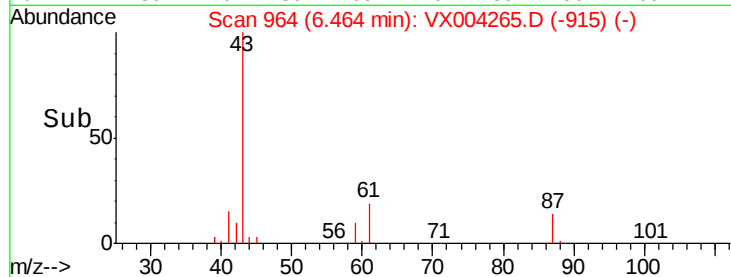
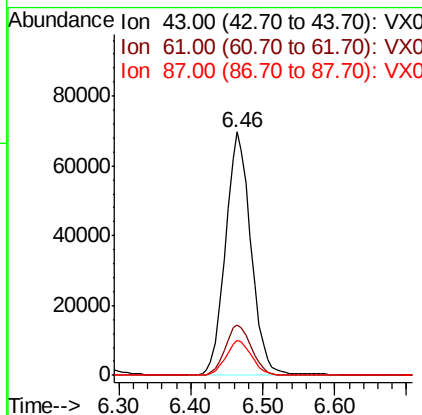
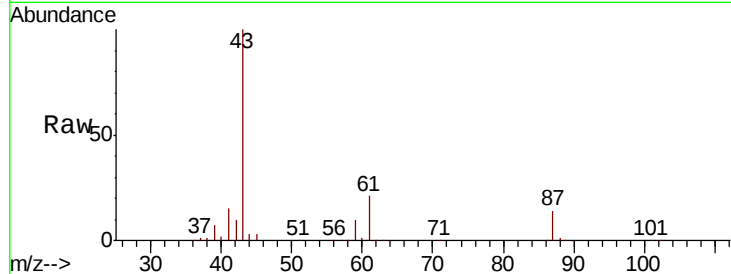
Isopropyl Acetate
 Concen: 22.21 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. 0.00 min
 Lab File: VX004265.D
 Acq: 27 Aug 2018 16:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.5	17.0	25.4
87	14.6	11.4	17.2

Manual Integrations
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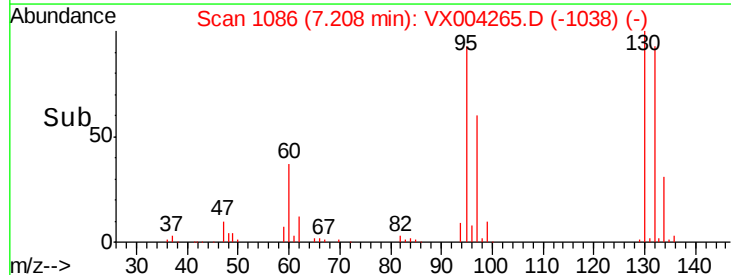
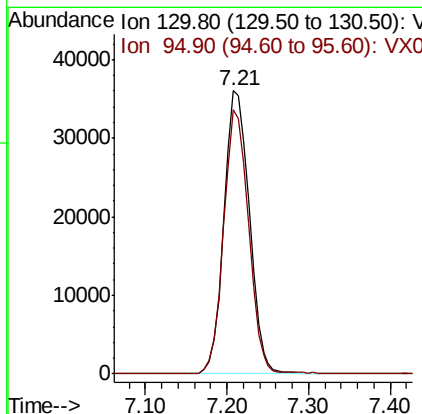
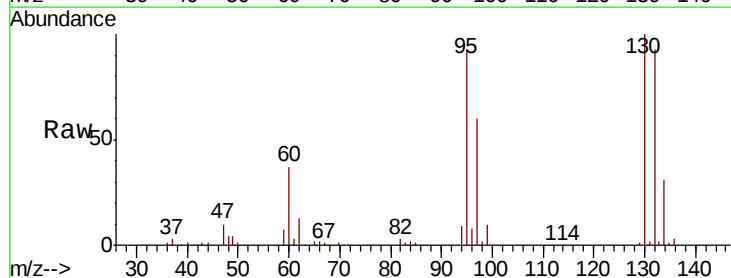
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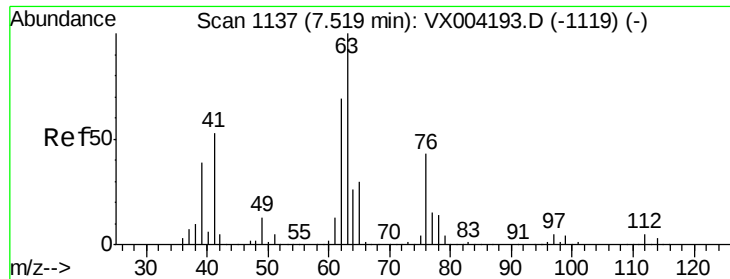


#44

Trichloroethene
 Concen: 18.42 ug/l
 RT: 7.21 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: VX004265.D
 Acq: 27 Aug 2018 16:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	181.6





#45

1,2-Dichloropropane

Concen: 20.46 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX004265.D

Acq: 27 Aug 2018 16:43

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBSD01

Tot Ion: 63 Resp: 77862

Ion Ratio Lower Upper

63 100

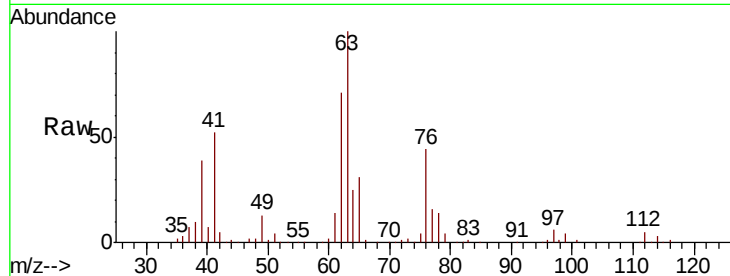
65 31.1 24.3 36.5

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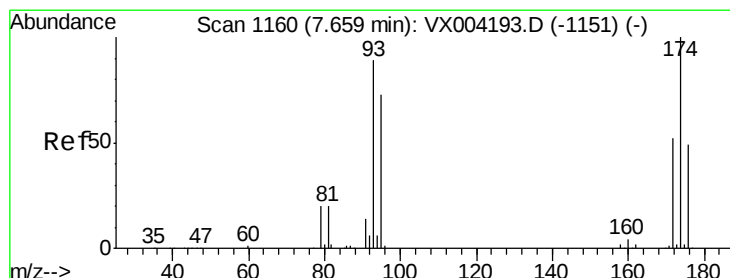
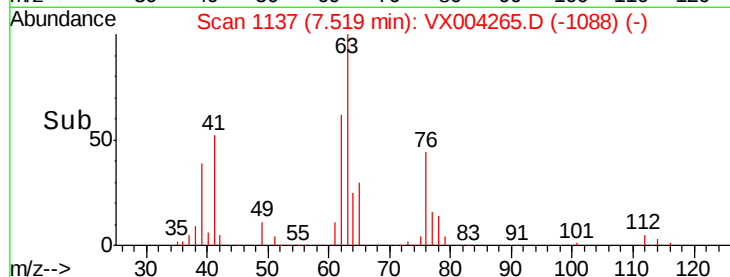
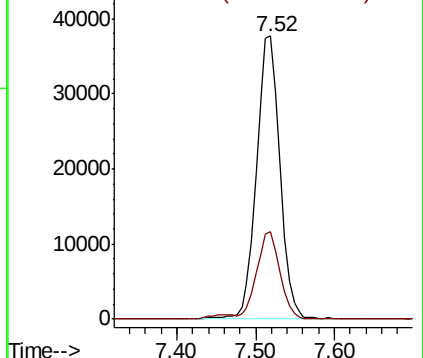
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 20.14 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VX004265.D

Acq: 27 Aug 2018 16:43

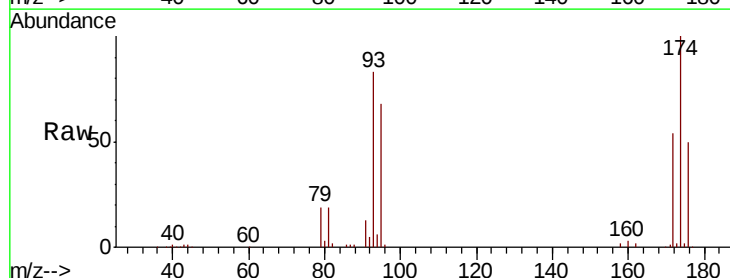
Tgt Ion: 93 Resp: 51031

Ion Ratio Lower Upper

93 100

95 82.9 65.5 98.3

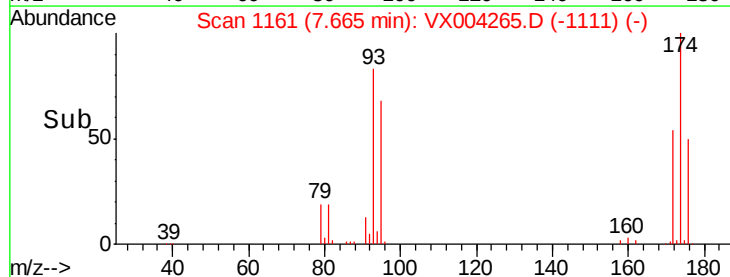
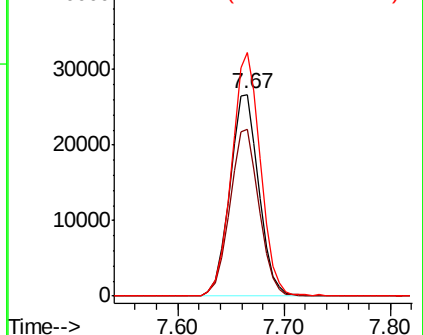
174 119.9 94.2 141.4

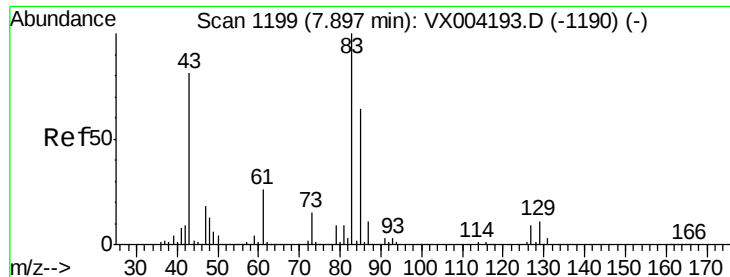


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.74 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VX004265.D

Acq: 27 Aug 2018 16:43

Instrument :

MSVOA_X

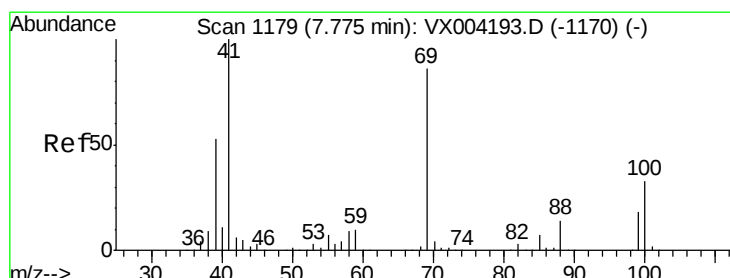
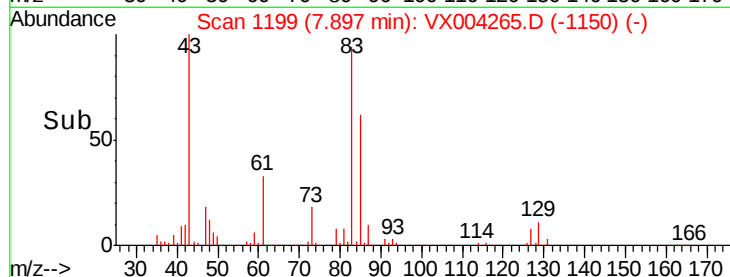
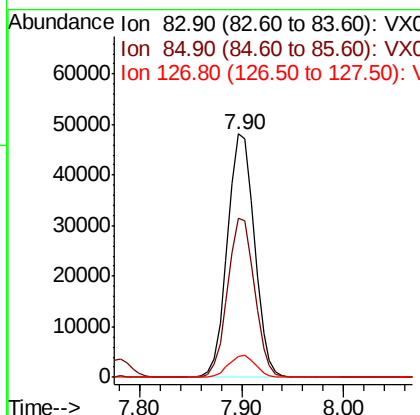
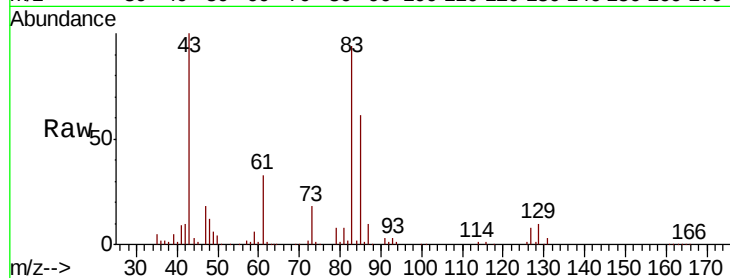
ClientSampleId :

VX0827MBSD01

Tot Ion:	83	Resp:	88351
Ion Ratio	Lower	Upper	
83	100		
85	65.1	50.9	76.3
127	8.4	7.3	10.9

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#48

Methyl methacrylate

Concen: 21.49 ug/l

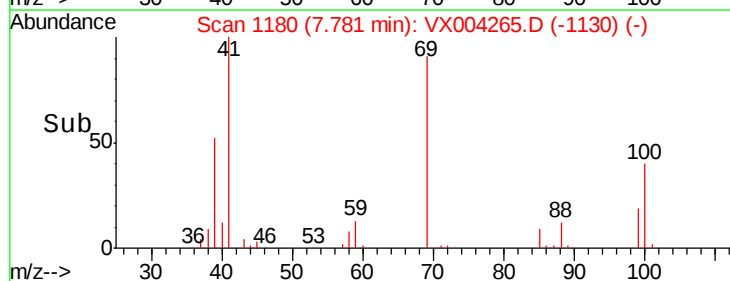
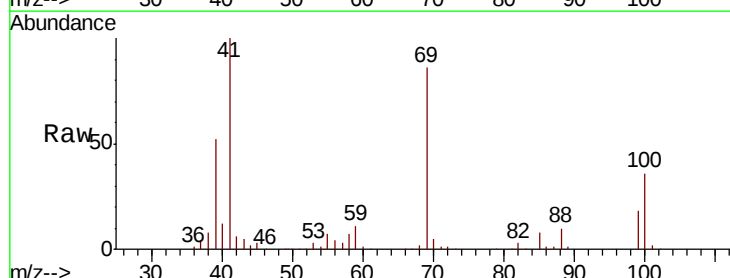
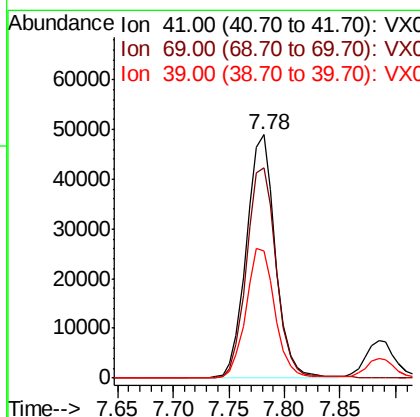
RT: 7.78 min Scan# 1180

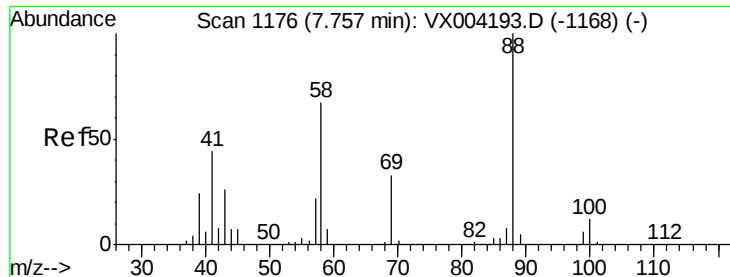
Delta R.T. 0.01 min

Lab File: VX004265.D

Acq: 27 Aug 2018 16:43

Tgt Ion:	41	Resp:	88426
Ion Ratio	Lower	Upper	
41	100		
69	89.5	70.2	105.4
39	53.2	42.7	64.1





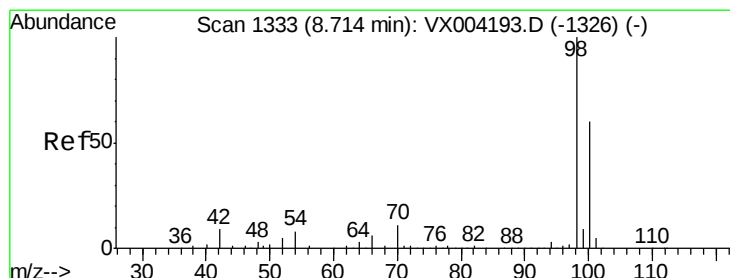
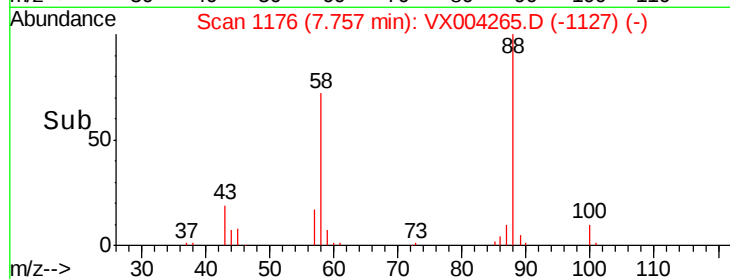
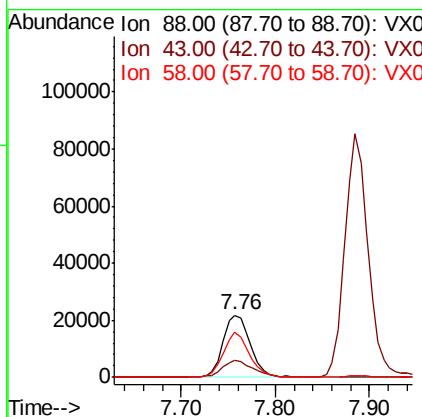
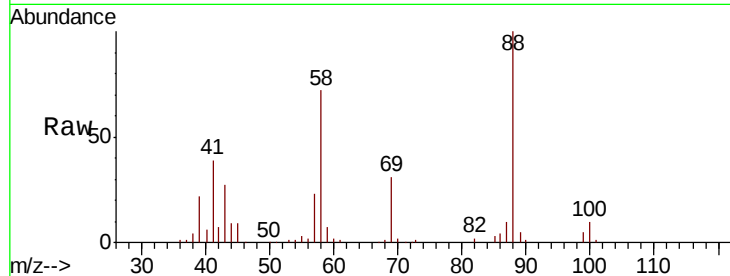
#49
1,4-Dioxane
Concen: 465.59 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX004265.D
Acq: 27 Aug 2018 16:43

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBSD01

Tot Ion	88	Resp	43499
Ion	Ratio	Lower	Upper
88	100		
43	30.1	24.7	37.1
58	69.5	55.3	82.9

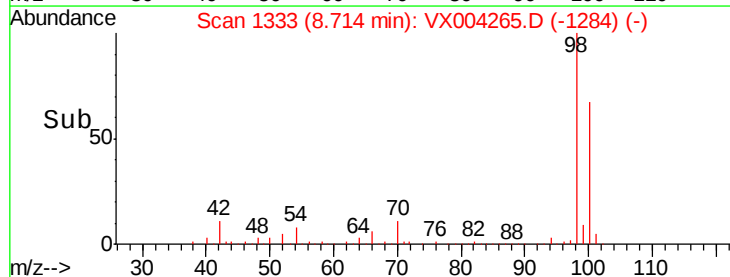
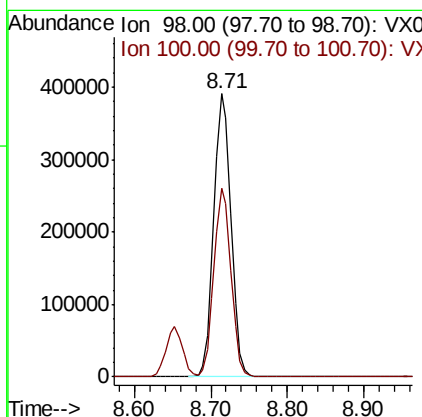
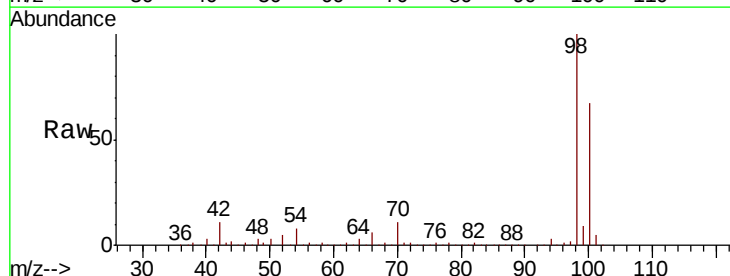
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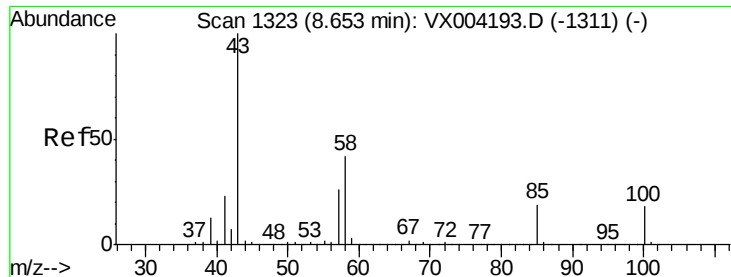
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#50
Toluene-d8
Concen: 47.92 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. 0.00 min
Lab File: VX004265.D
Acq: 27 Aug 2018 16:43

Tgt Ion	98	Resp	609049
Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 105.59 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX004265.D

Acq: 27 Aug 2018 16:43

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBSD01

Tot Ion: 43 Resp: 589987

Ion Ratio Lower Upper

43 100

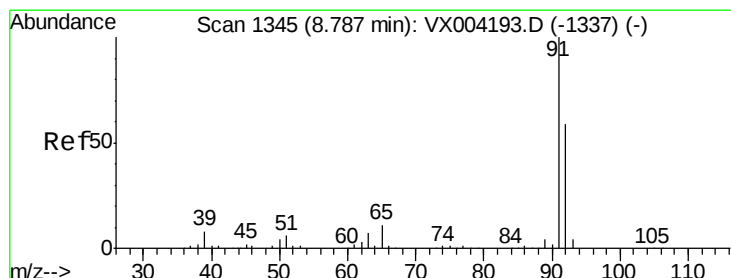
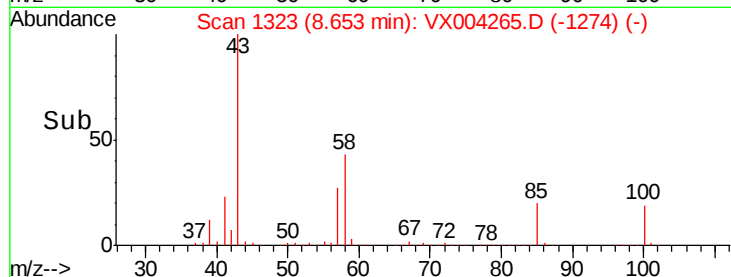
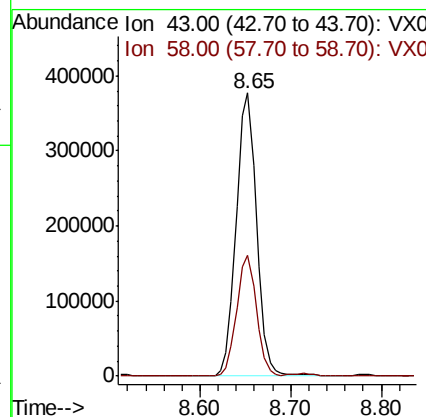
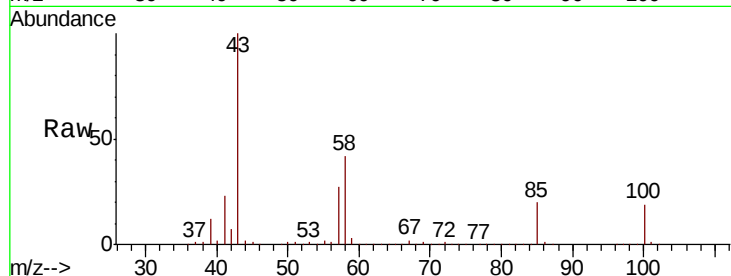
58 41.4 33.1 49.7

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#52

Toluene

Concen: 19.76 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX004265.D

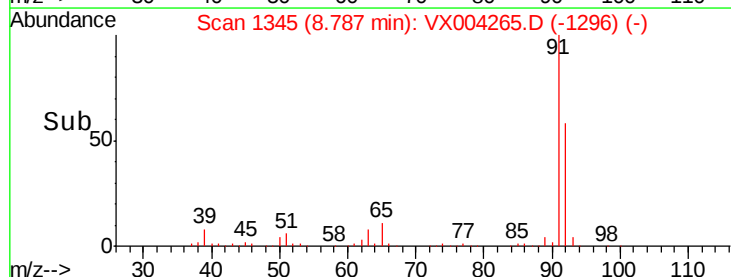
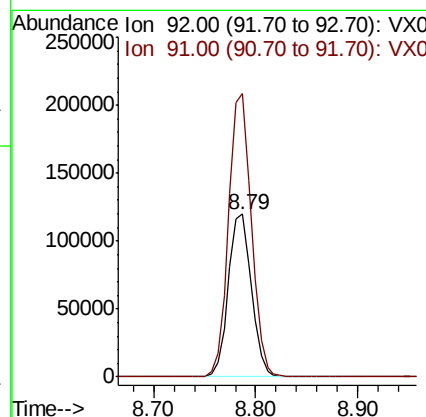
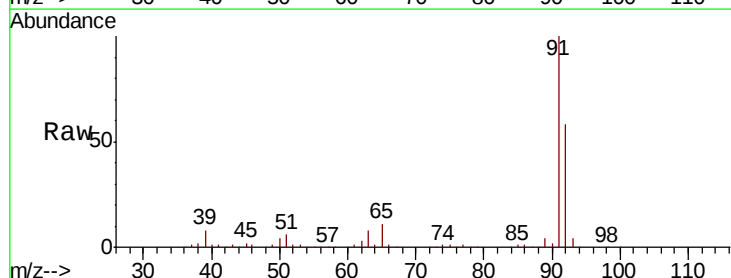
Acq: 27 Aug 2018 16:43

Tgt Ion: 92 Resp: 188097

Ion Ratio Lower Upper

92 100

91 171.7 136.4 204.6





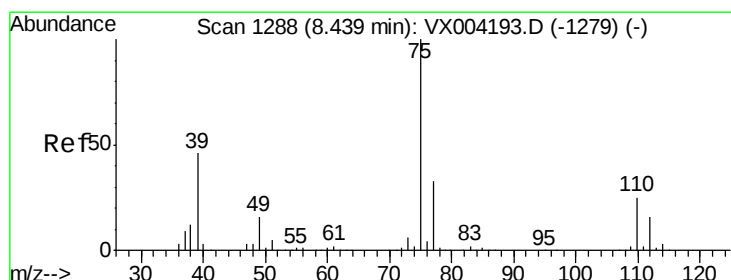
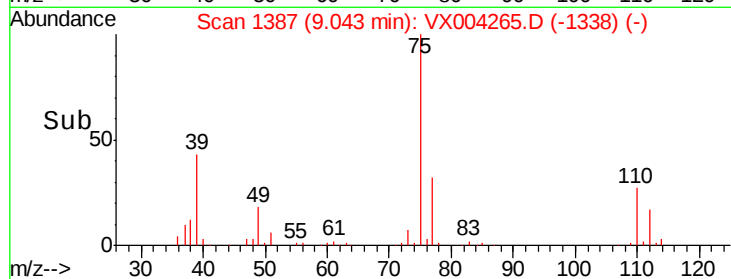
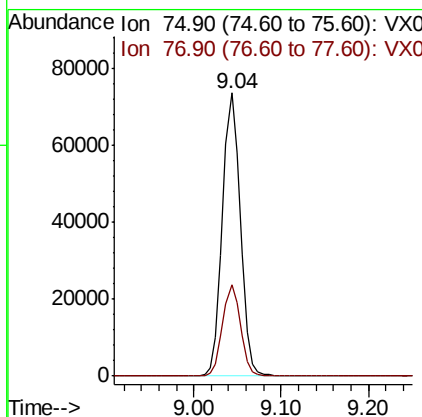
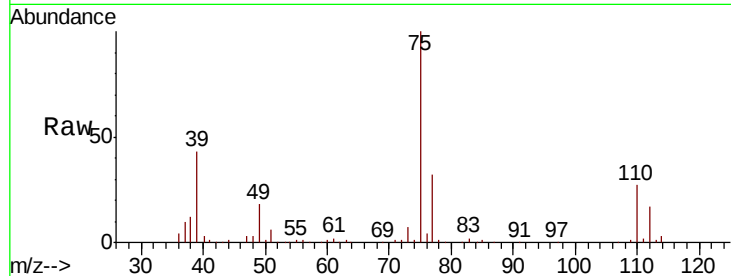
#53
t-1,3-Dichloropropene
Concen: 20.11 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX004265.D
Acq: 27 Aug 2018 16:43

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBSD01

Tot Ion: 75 Resp: 104724
Ion Ratio Lower Upper
75 100
77 32.3 24.6 37.0

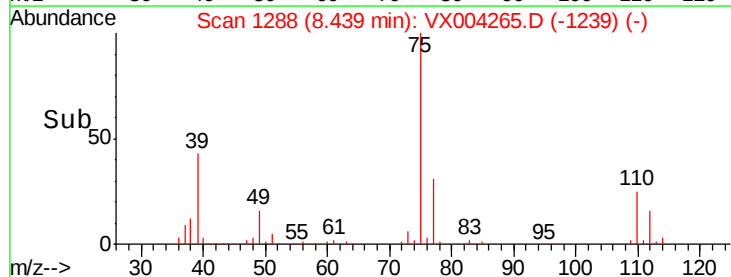
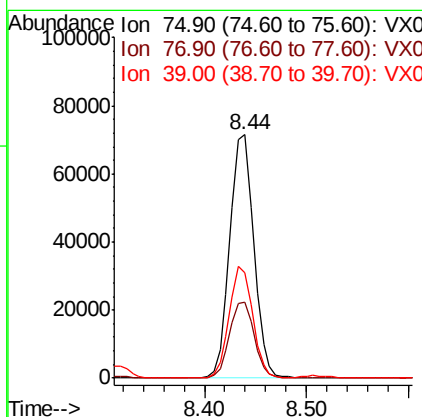
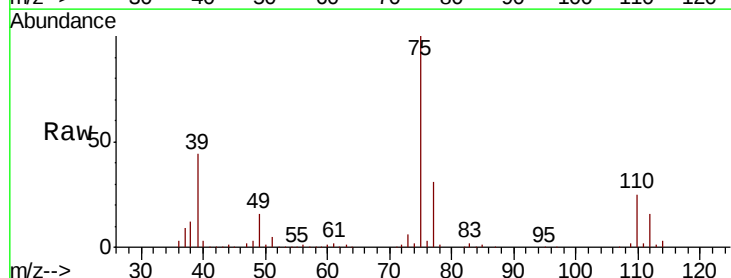
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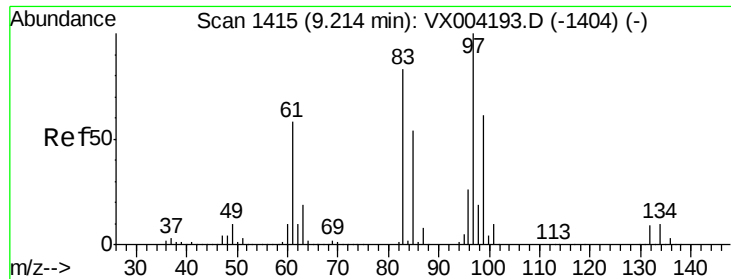
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.58 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX004265.D
Acq: 27 Aug 2018 16:43

Tgt Ion: 75 Resp: 116740
Ion Ratio Lower Upper
75 100
77 31.3 26.2 39.2
39 43.4 36.4 54.6





#55

1,1,2-Trichloroethane

Concen: 21.10 ug/l

RT: 9.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VX004265.D

Acq: 27 Aug 2018 16:43

Instrument :

MSVOA_X

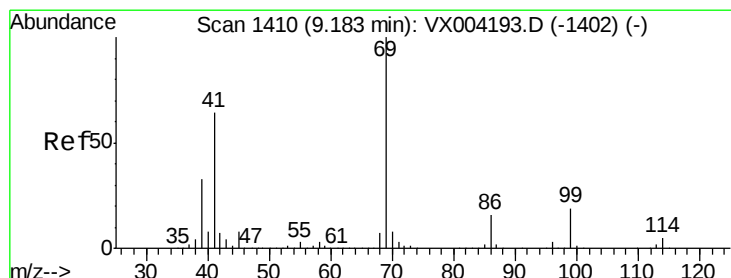
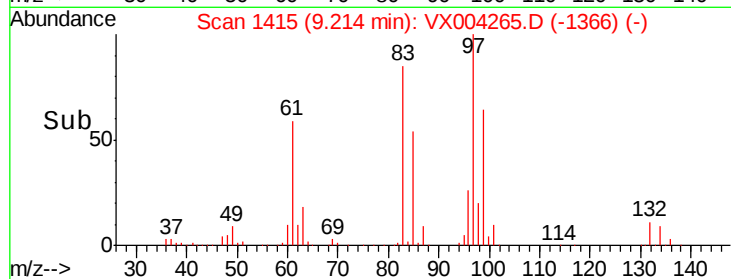
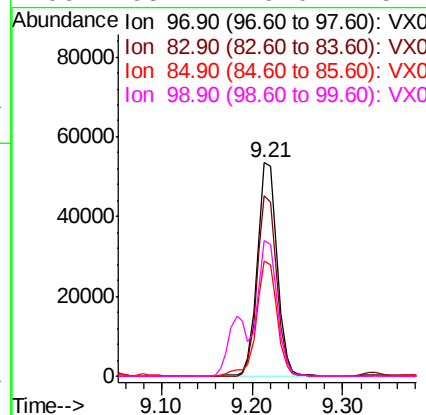
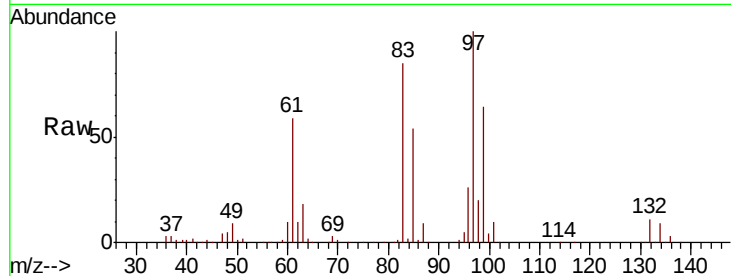
ClientSampleId :

VX0827MBSD01

Tot Ion:	97	Resp:	81081
Ion	Ratio	Lower	Upper
97	100		
83	84.7	66.4	99.6
85	54.2	43.3	64.9
99	63.7	49.0	73.4

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#56

Ethyl methacrylate

Concen: 22.05 ug/l

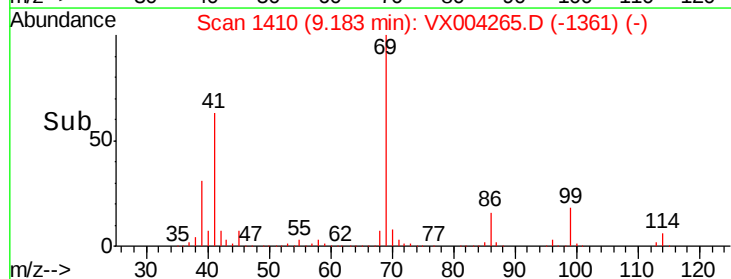
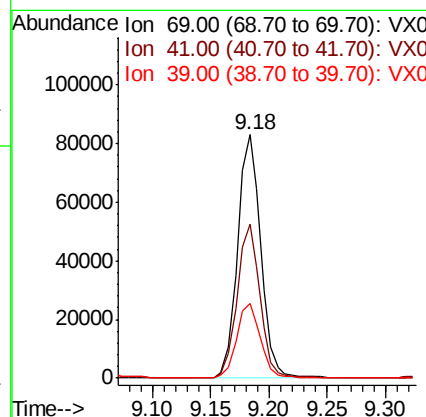
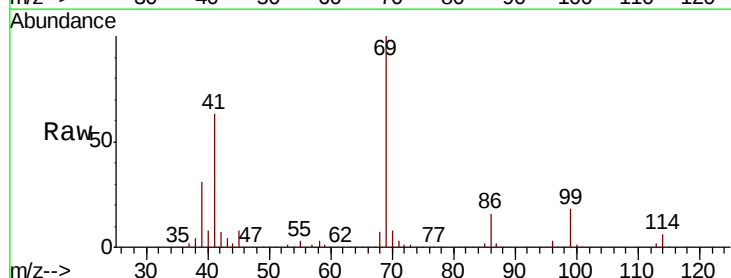
RT: 9.18 min Scan# 1410

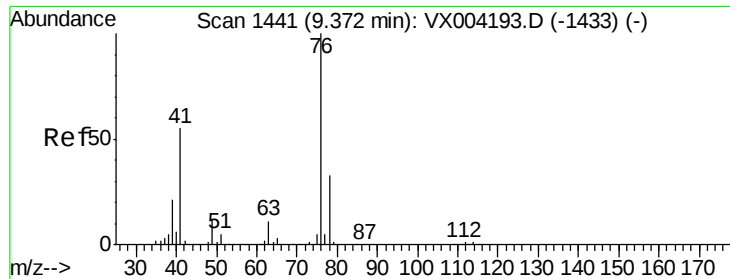
Delta R.T. 0.00 min

Lab File: VX004265.D

Acq: 27 Aug 2018 16:43

Tgt Ion:	69	Resp:	115357
Ion	Ratio	Lower	Upper
69	100		
41	61.9	51.0	76.4
39	31.2	26.1	39.1





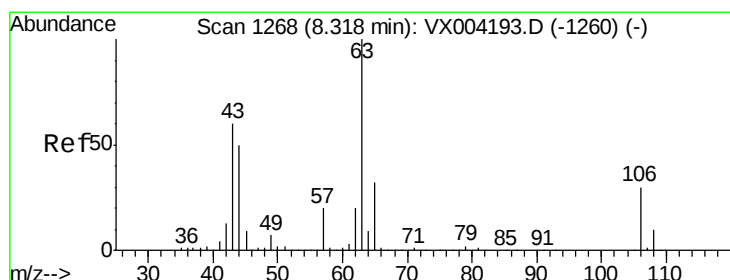
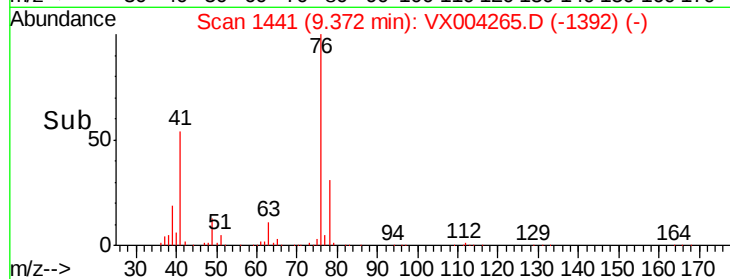
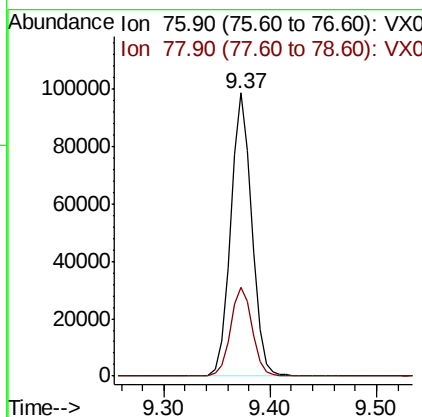
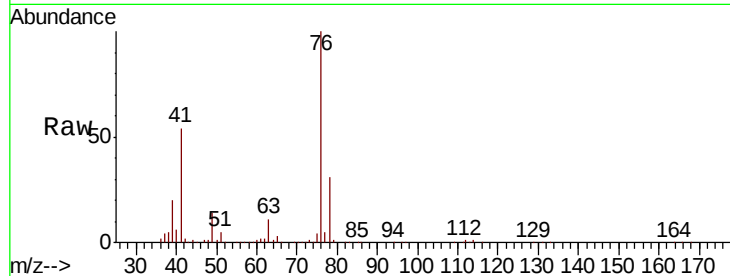
#57
 1,3-Dichloropropane
 Concen: 21.18 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX004265.D
 Acq: 27 Aug 2018 16:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.5	38.3

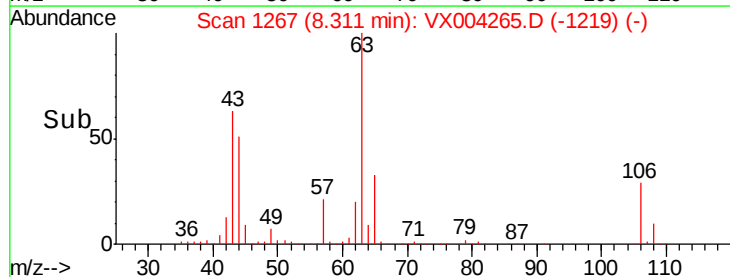
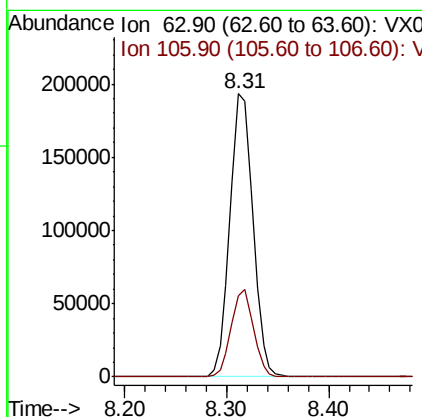
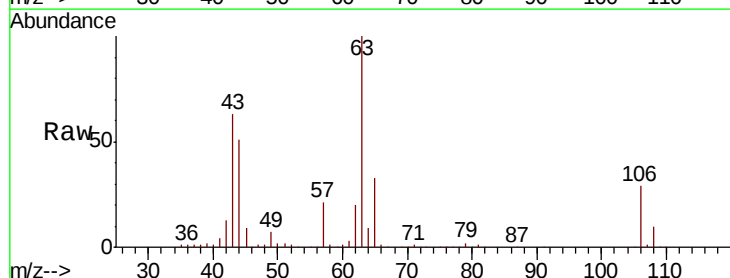
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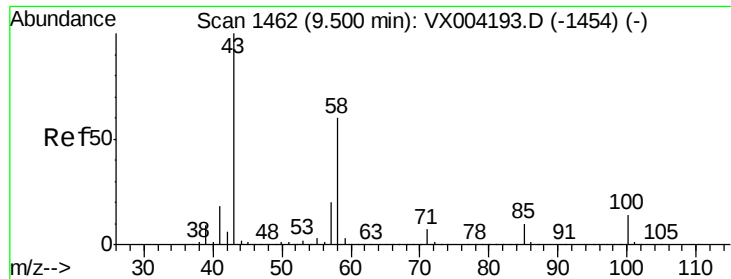
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#58
 2-Chloroethyl Vinyl ether
 Concen: 112.87 ug/l
 RT: 8.31 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VX004265.D
 Acq: 27 Aug 2018 16:43

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.0	23.9	35.9





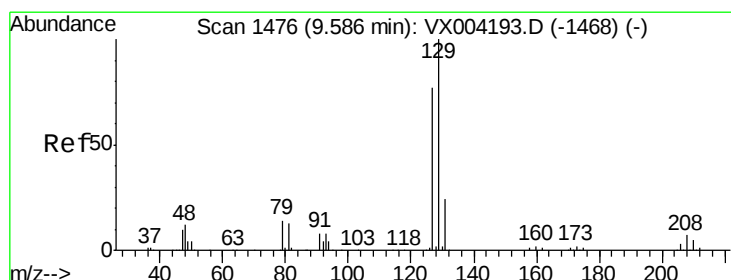
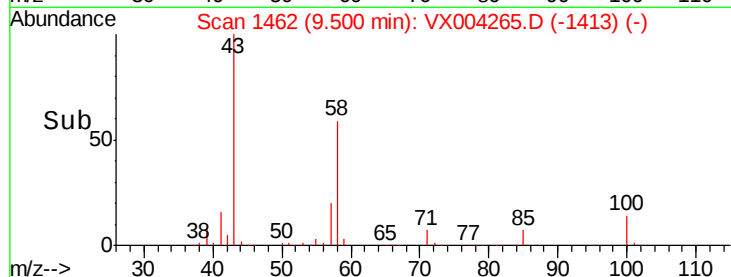
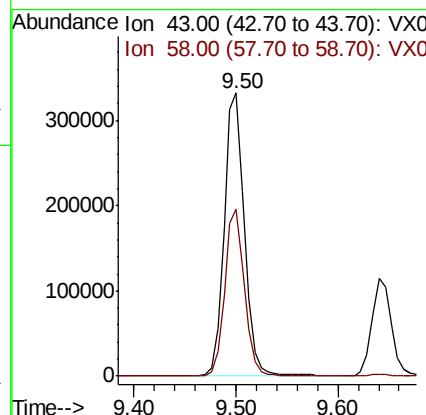
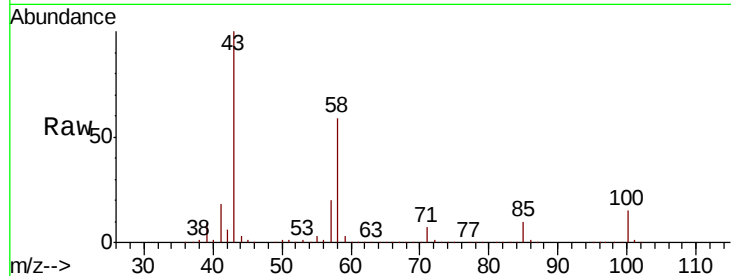
#59
 2-Hexanone
 Concen: 107.48 ug/l
 RT: 9.50 min Scan# 1462
 Delta R.T. 0.00 min
 Lab File: VX004265.D
 Acq: 27 Aug 2018 16:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827MBSD01

Tot Ion: 43 Resp: 458157
 Ion Ratio Lower Upper
 43 100
 58 58.0 29.0 87.0

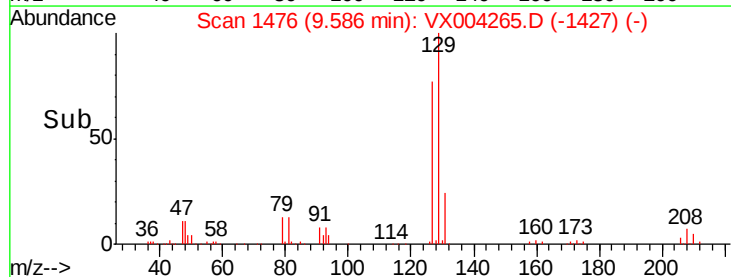
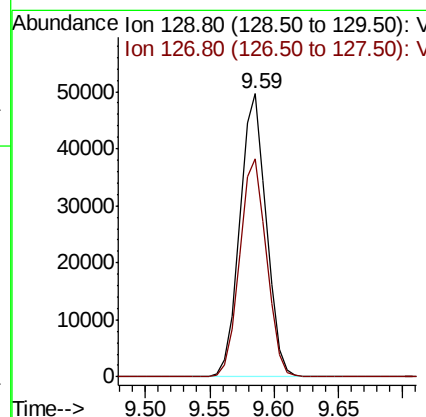
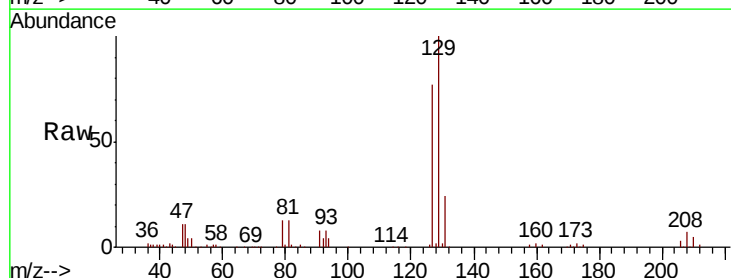
Manual Integrations
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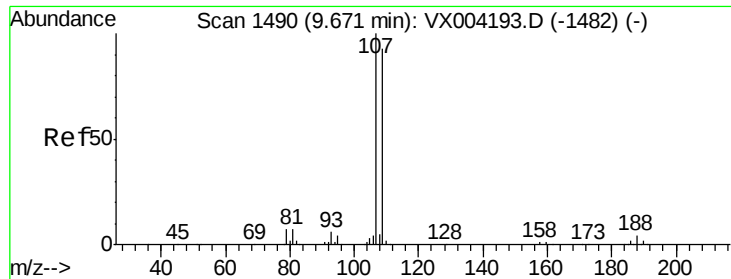
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#60
 Dibromochloromethane
 Concen: 18.90 ug/l
 RT: 9.59 min Scan# 1476
 Delta R.T. 0.00 min
 Lab File: VX004265.D
 Acq: 27 Aug 2018 16:43

Tgt Ion: 129 Resp: 70767
 Ion Ratio Lower Upper
 129 100
 127 78.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.39 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. 0.00 min

Lab File: VX004265.D

Acq: 27 Aug 2018 16:43

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBSD01

Tot Ion:107 Resp: 81085

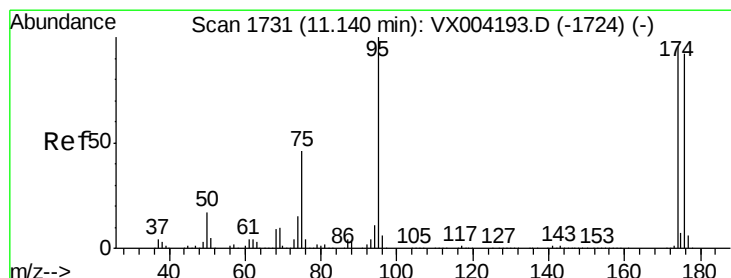
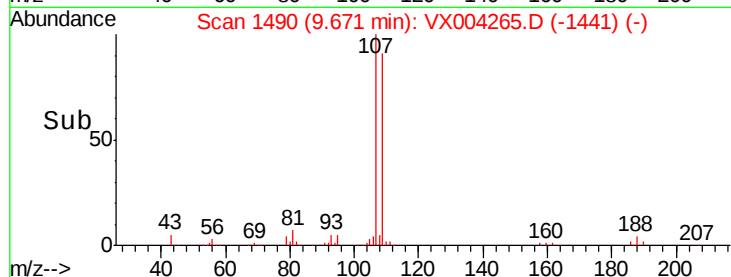
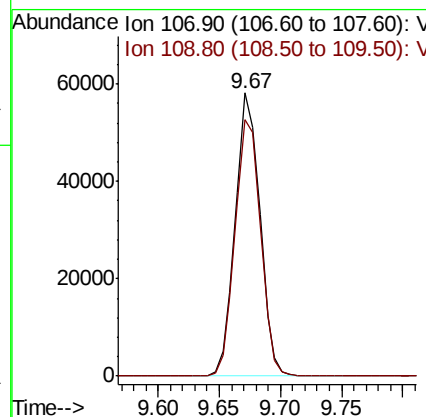
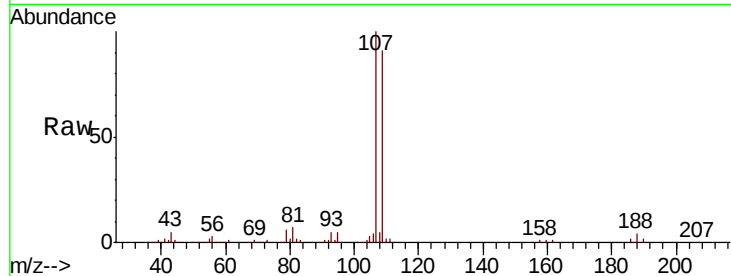
Ion Ratio Lower Upper

107 100

109 93.8 76.0 114.0

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#62

4-Bromofluorobenzene

Concen: 50.78 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX004265.D

Acq: 27 Aug 2018 16:43

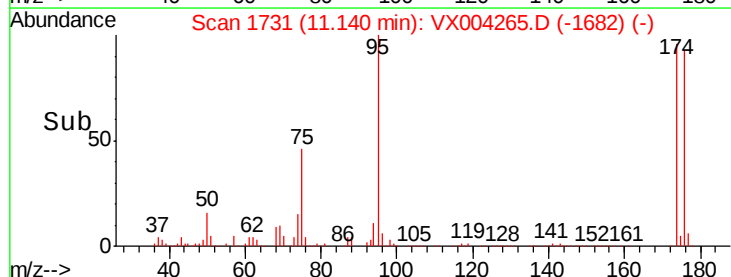
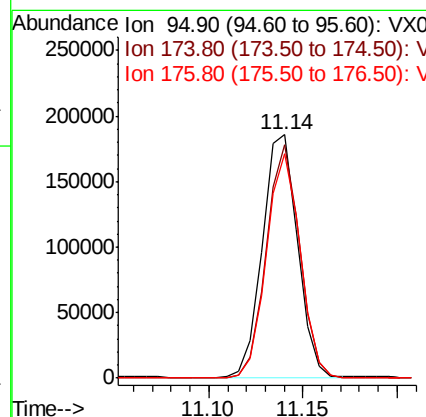
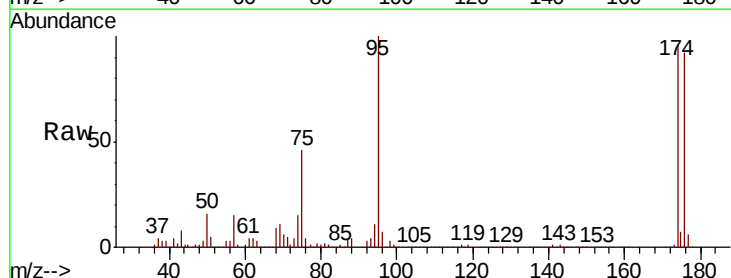
Tgt Ion: 95 Resp: 240831

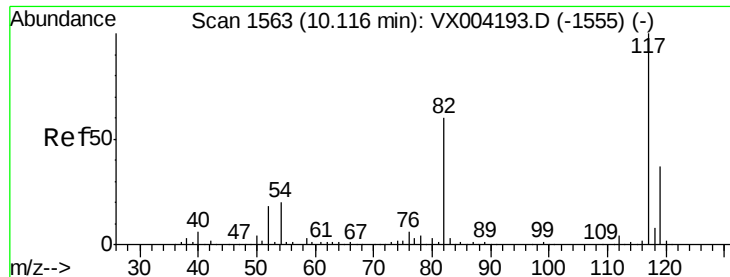
Ion Ratio Lower Upper

95 100

174 90.9 0.0 185.2

176 88.5 0.0 178.6





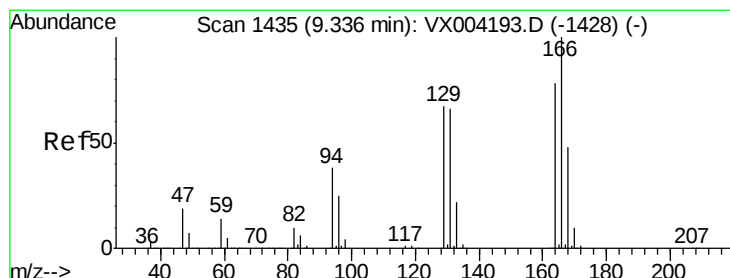
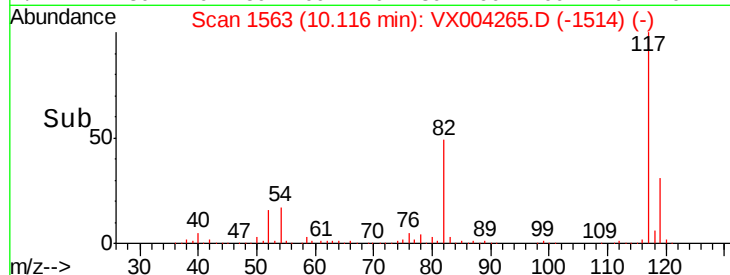
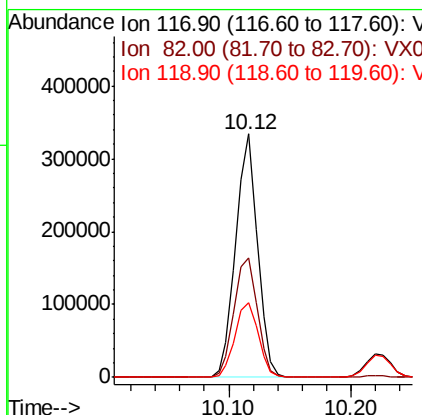
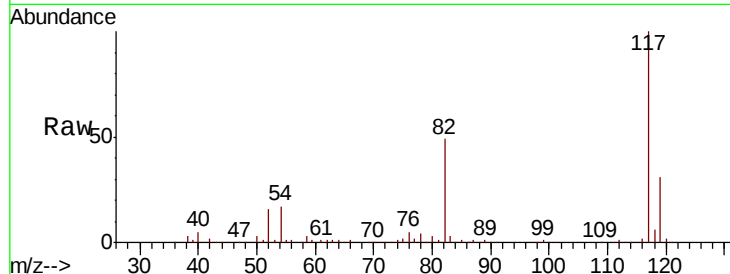
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX004265.D
Acq: 27 Aug 2018 16:43

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.1	47.8	71.6
119	30.8	29.3	43.9

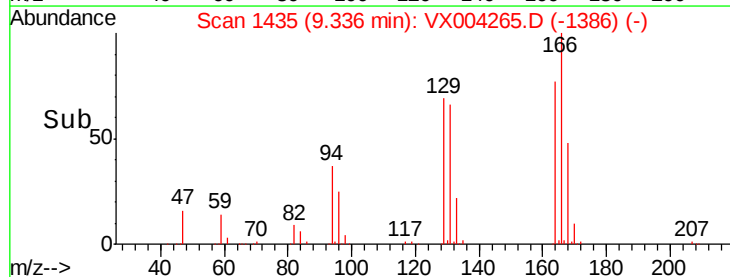
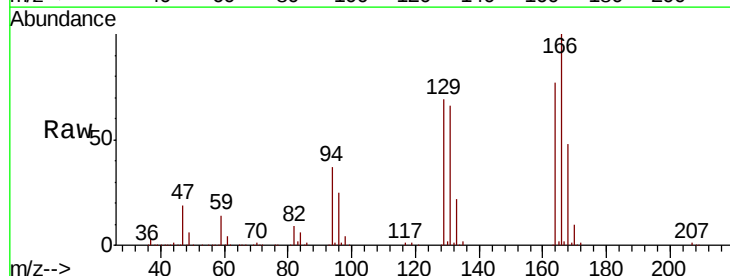
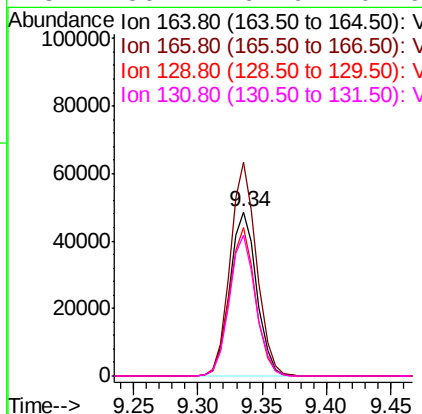
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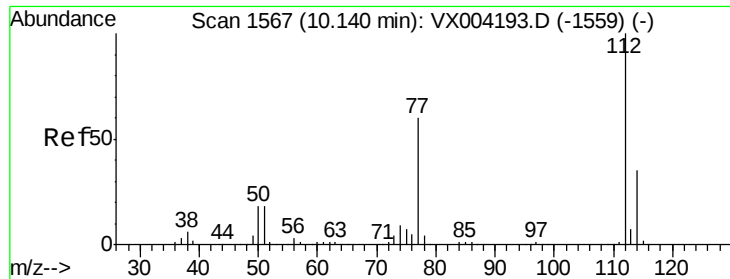
MMDadoda
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#64
Tetrachloroethene
Concen: 17.42 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX004265.D
Acq: 27 Aug 2018 16:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.3	102.8	154.2
129	90.4	69.4	104.0
131	86.1	67.9	101.9





#65

Chlorobenzene

Concen: 19.57 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX004265.D

Acq: 27 Aug 2018 16:43

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBSD01

Tot Ion:112 Resp: 202611

Ion Ratio Lower Upper

112 100

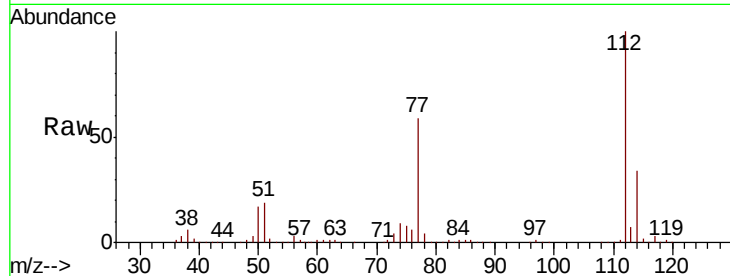
114 34.0 27.8 41.8

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

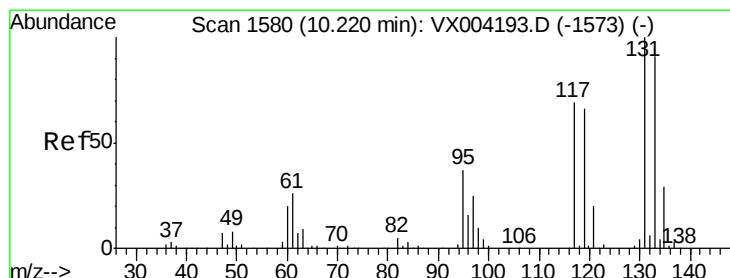
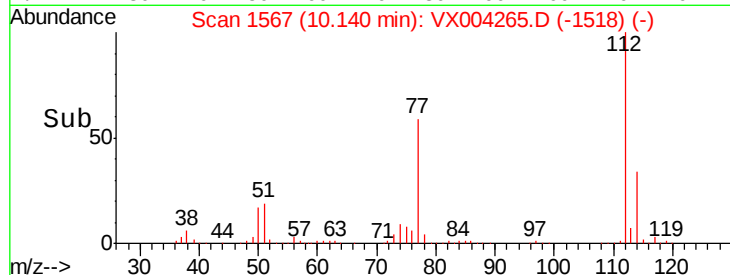
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 18.90 ug/l

RT: 10.22 min Scan# 1580

Delta R.T. 0.00 min

Lab File: VX004265.D

Acq: 27 Aug 2018 16:43

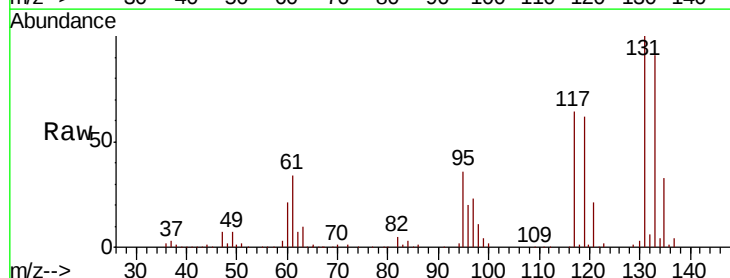
Tgt Ion:131 Resp: 67468

Ion Ratio Lower Upper

131 100

133 92.8 48.1 144.4

119 63.6 32.9 98.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

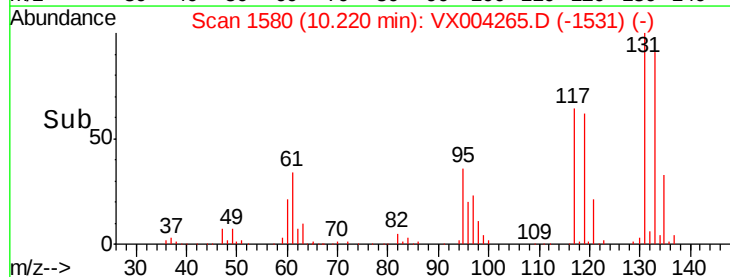
10.22

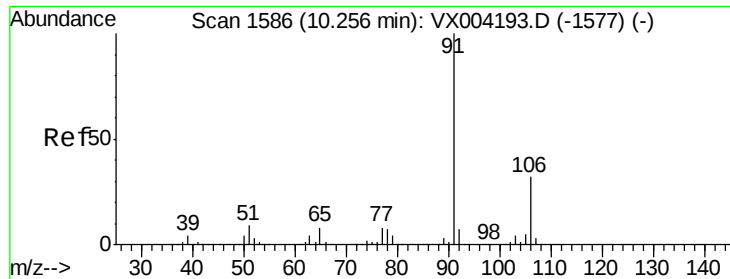
100000

50000

0

Time-->





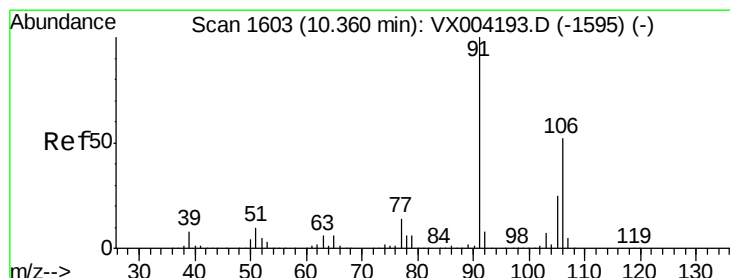
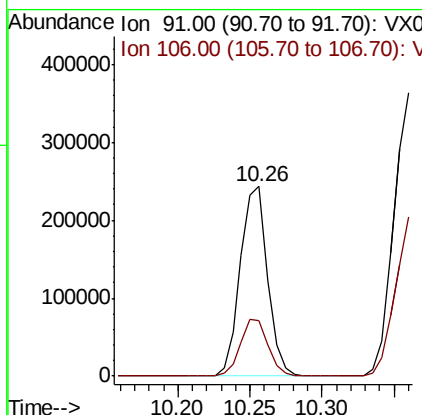
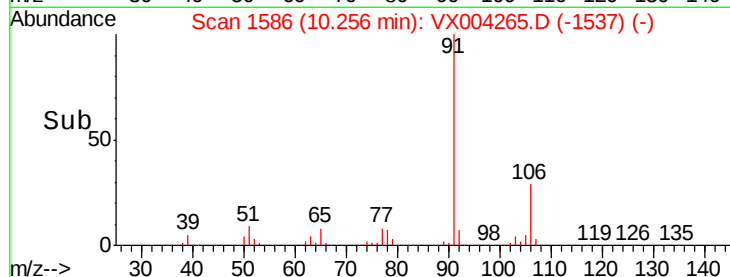
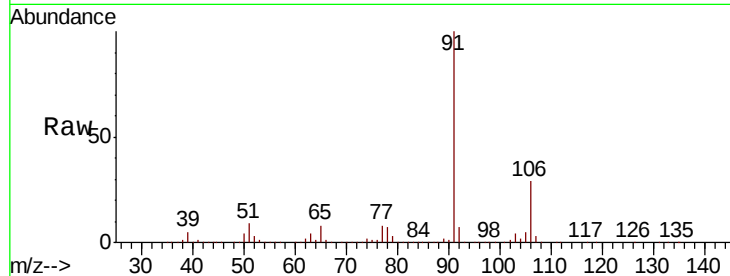
#67
Ethyl Benzene
Concen: 19.03 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX004265.D
Acq: 27 Aug 2018 16:43

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBSD01

Tot Ion: 91 Resp: 319830
Ion Ratio Lower Upper
91 100
106 29.4 25.9 38.9

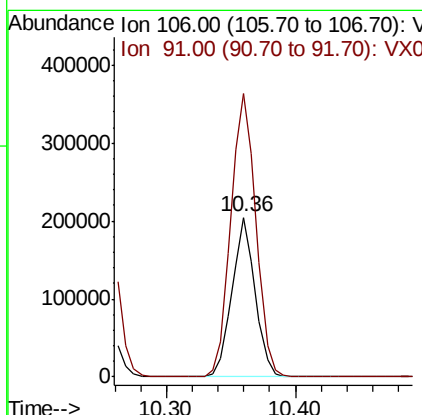
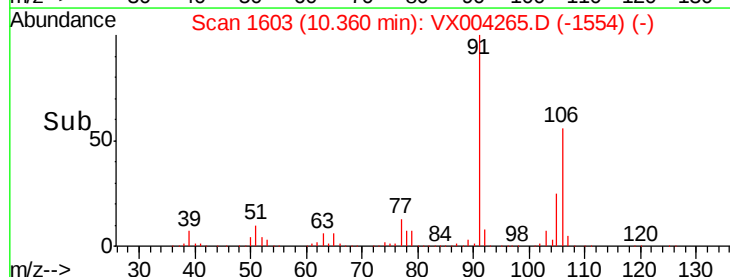
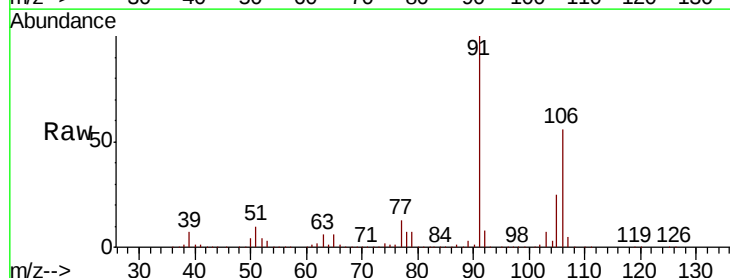
Manual Integrations
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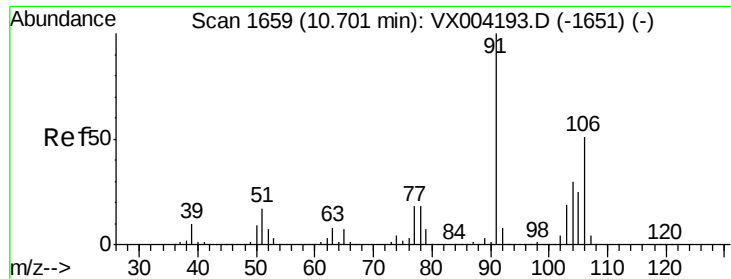
MMDadoda
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#68
m/p-Xylenes
Concen: 39.16 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX004265.D
Acq: 27 Aug 2018 16:43

Tgt Ion: 106 Resp: 257423
Ion Ratio Lower Upper
106 100
91 192.1 157.1 235.7





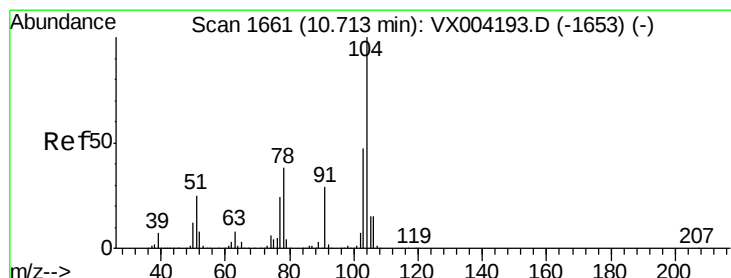
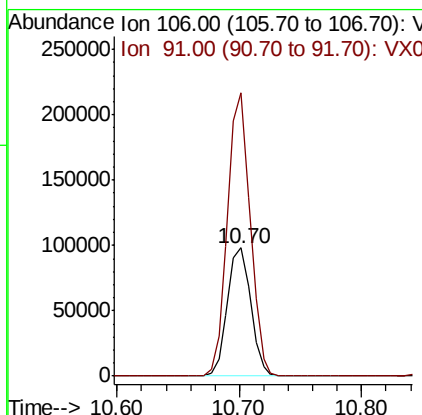
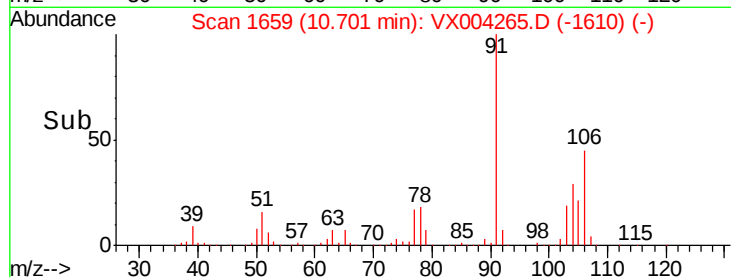
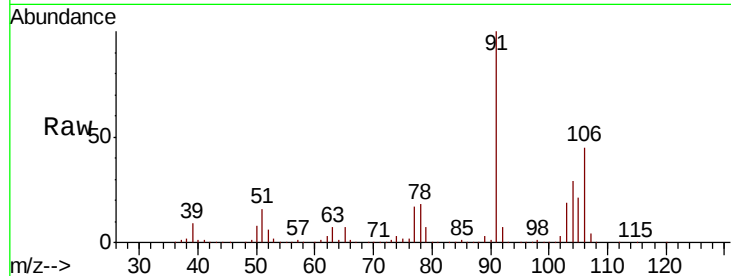
#69
o-Xylene
Concen: 20.93 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX004265.D
Acq: 27 Aug 2018 16:43

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBSD01

Tot Ion:106 Resp: 130153
Ion Ratio Lower Upper
106 100
91 214.0 105.1 315.1

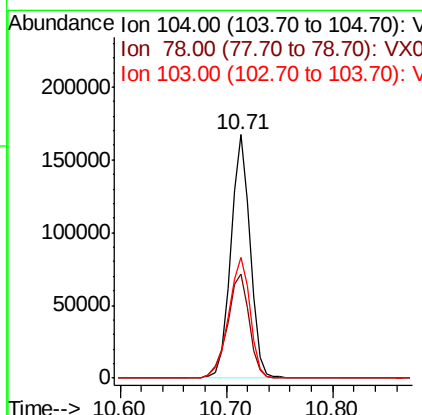
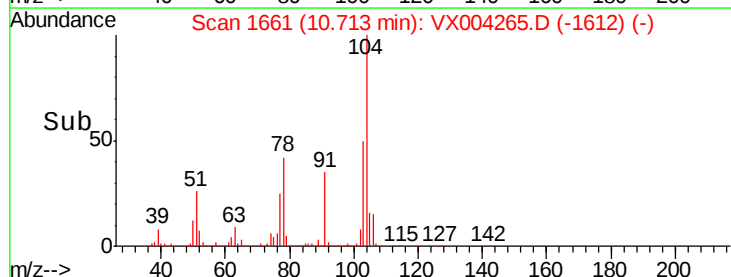
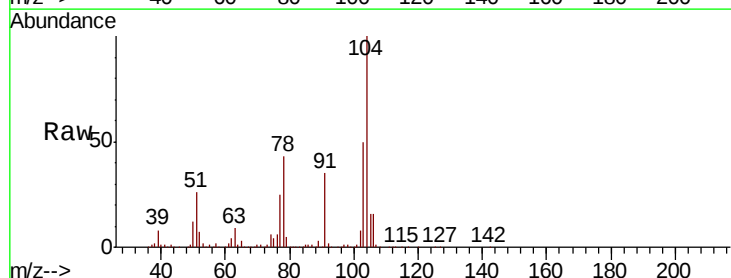
Manual Integrations
APPROVED

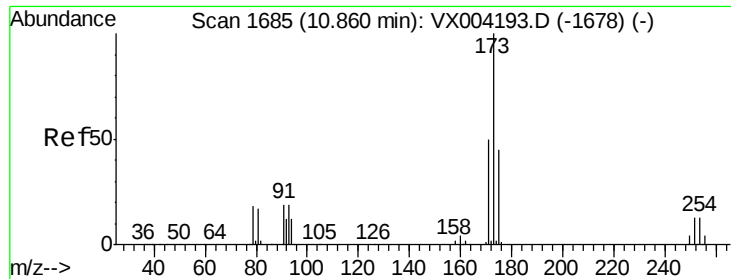
MMDadoda
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#70
Styrene
Concen: 21.16 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX004265.D
Acq: 27 Aug 2018 16:43

Tgt Ion:104 Resp: 213042
Ion Ratio Lower Upper
104 100
78 48.2 37.4 56.0
103 55.0 43.8 65.6





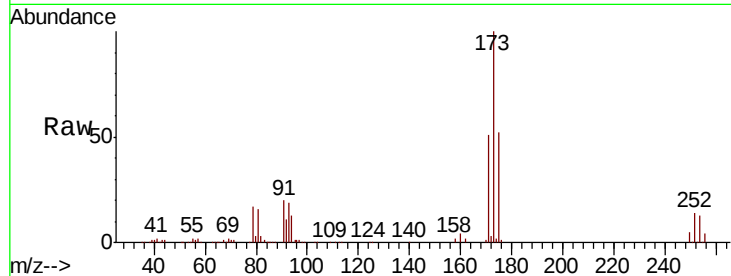
#71
Bromoform
Concen: 18.00 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX004265.D
Acq: 27 Aug 2018 16:43

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.1	72.3
254	0.1	0.2	0.2

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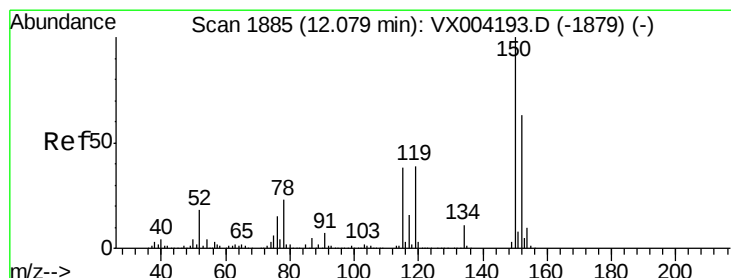
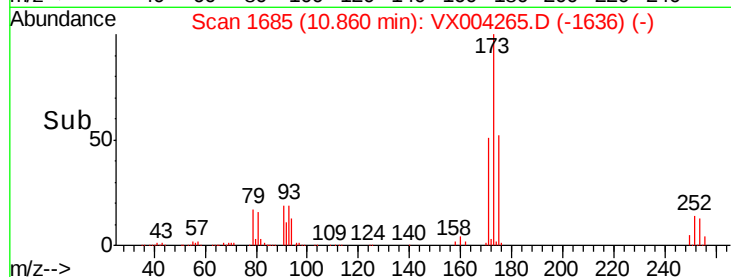
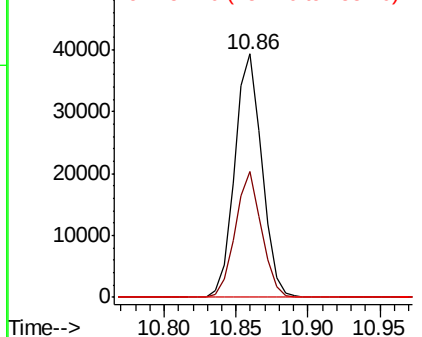


Abundance

Ion 172.70 (172.40 to 173.40): V

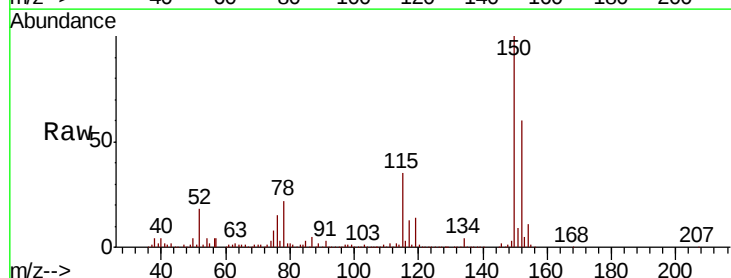
Ion 174.70 (174.40 to 175.40): V

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: VX004265.D
Acq: 27 Aug 2018 16:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.3	39.0	117.0
150	164.4	0.0	351.0

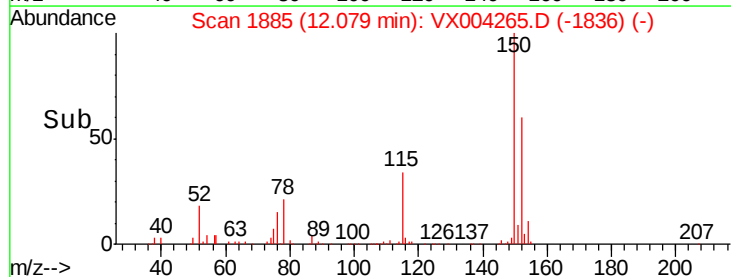
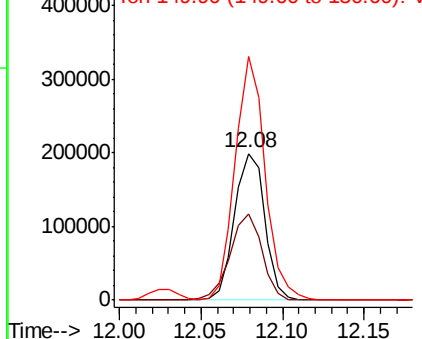


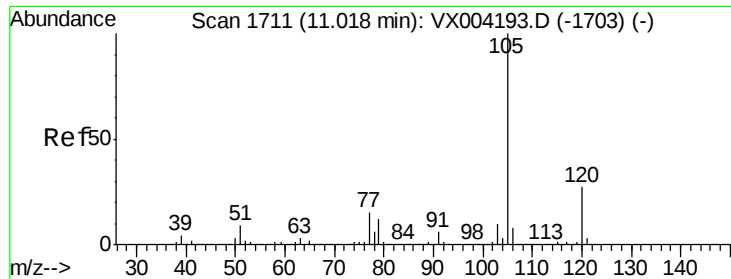
Abundance

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





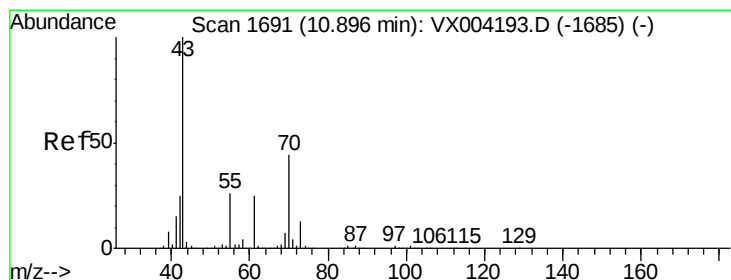
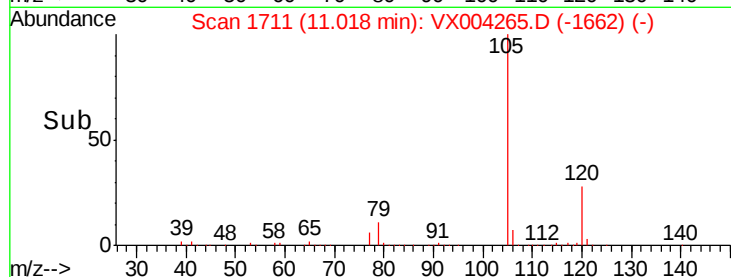
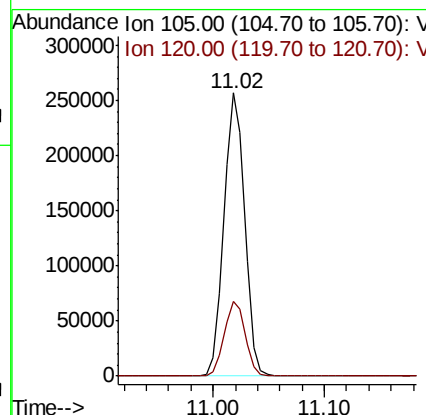
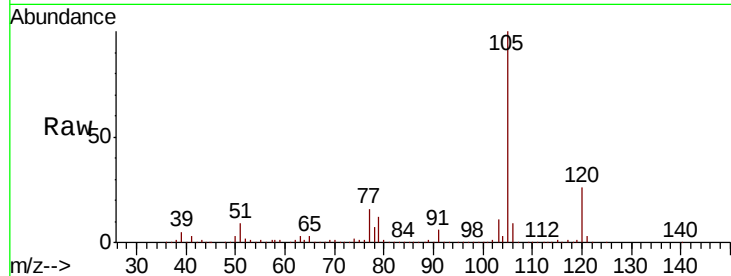
#73
Isopropylbenzene
Concen: 19.51 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. 0.00 min
Lab File: VX004265.D
Acq: 27 Aug 2018 16:43

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.5	40.4

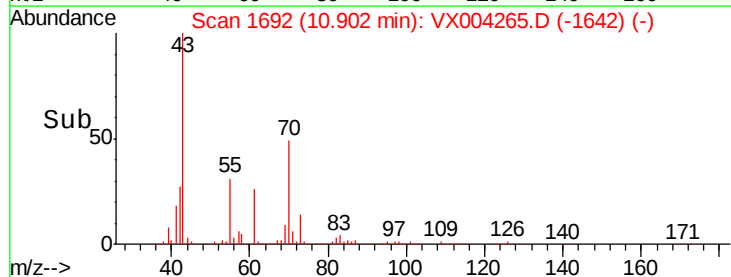
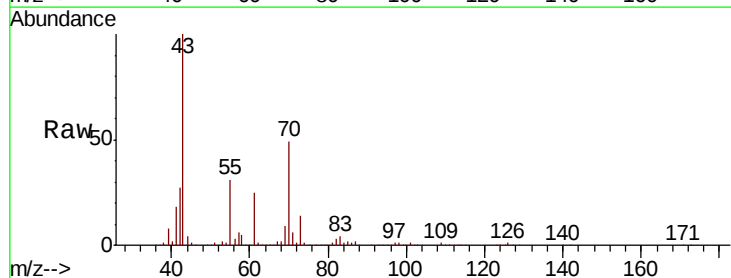
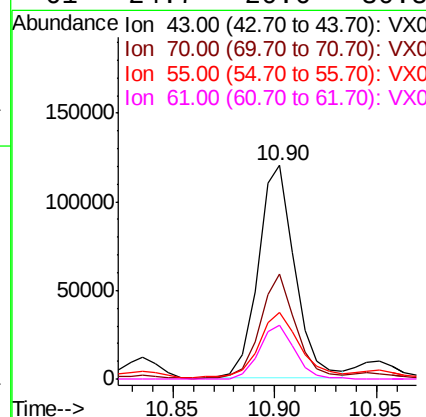
Manual Integrations
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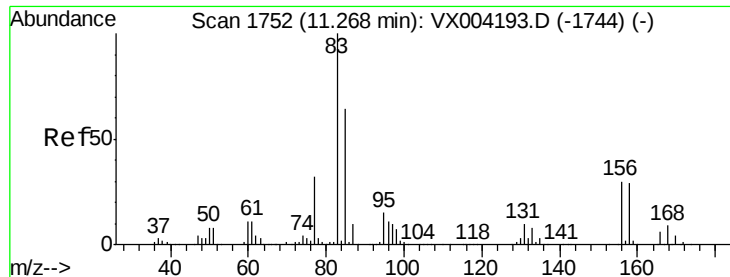
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#74
N-ethyl acetate
Concen: 23.13 ug/l
RT: 10.90 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VX004265.D
Acq: 27 Aug 2018 16:43

Tgt Ion	Ratio	Lower	Upper
43	100		
70	47.5	37.4	56.0
55	34.8	21.8	32.8
61	24.7	20.6	30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 22.11 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX004265.D

Acq: 27 Aug 2018 16:43

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBSD01

Tot Ion: 83 Resp: 130879

Ion Ratio Lower Upper

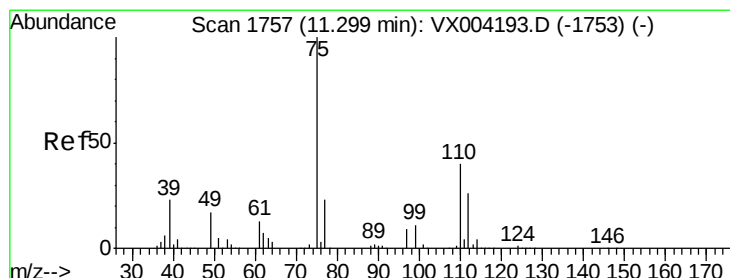
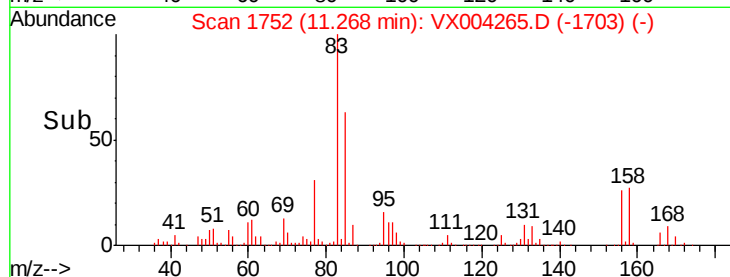
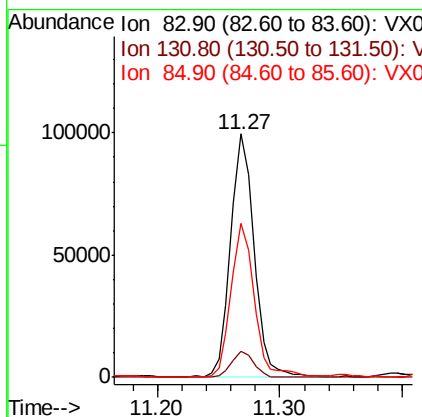
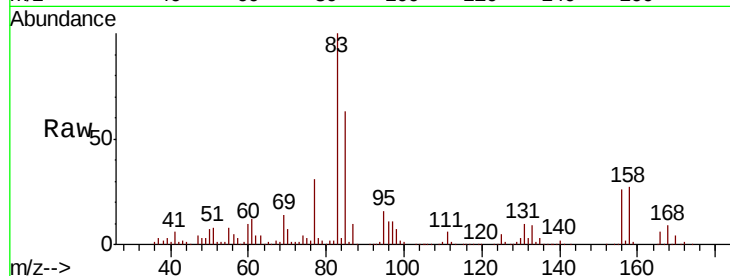
83 100

131 10.3 5.2 15.6

85 63.5 32.3 96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.92 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX004265.D

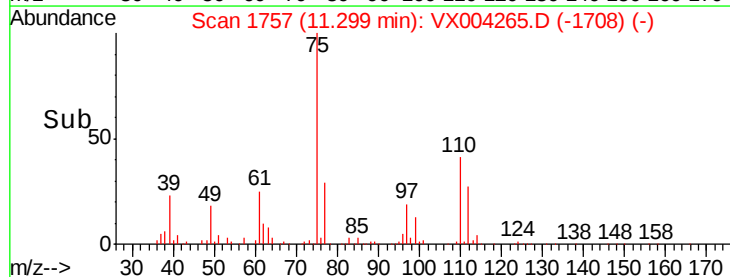
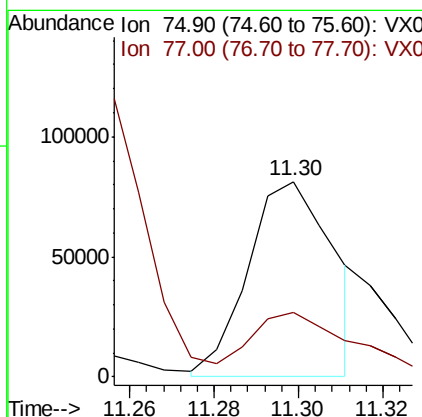
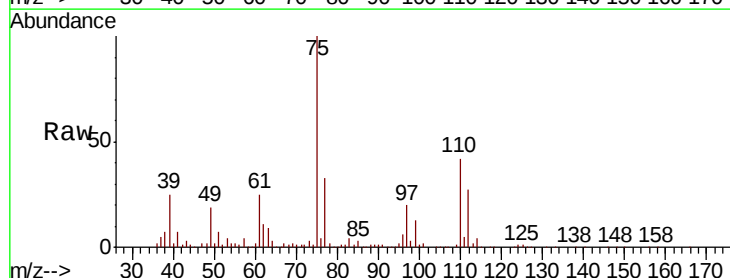
Acq: 27 Aug 2018 16:43

Tgt Ion: 75 Resp: 114805

Ion Ratio Lower Upper

75 100

77 38.8 20.2 60.6





#77

Bromobenzene

Concen: 21.01 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX004265.D

Acq: 27 Aug 2018 16:43

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBSD01

Tot Ion:156 Resp: 99695

Ion Ratio Lower Upper

156 100

77 149.1 71.5 214.3

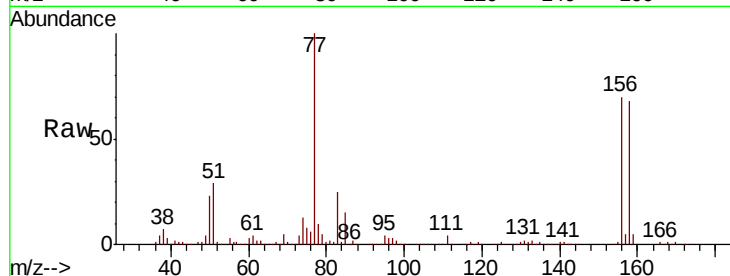
158 98.4 48.9 146.8

Manual Integrations

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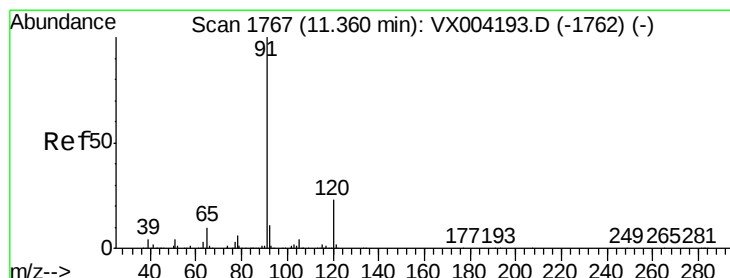
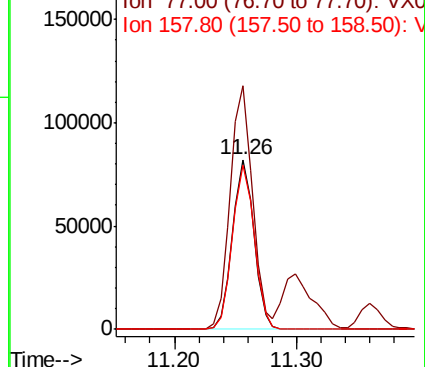
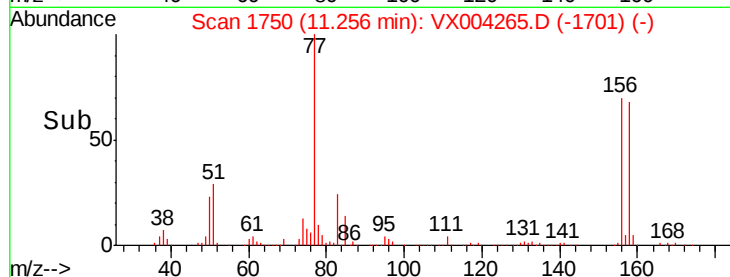


Abundance

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: 19.80 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX004265.D

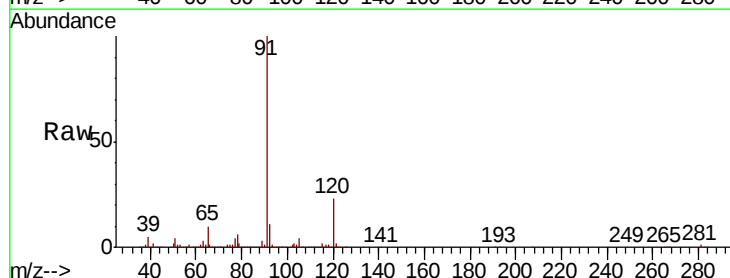
Acq: 27 Aug 2018 16:43

Tgt Ion: 91 Resp: 385232

Ion Ratio Lower Upper

91 100

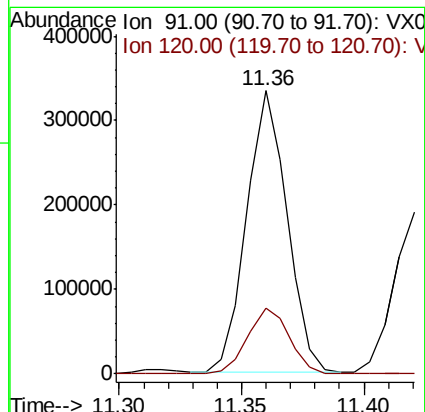
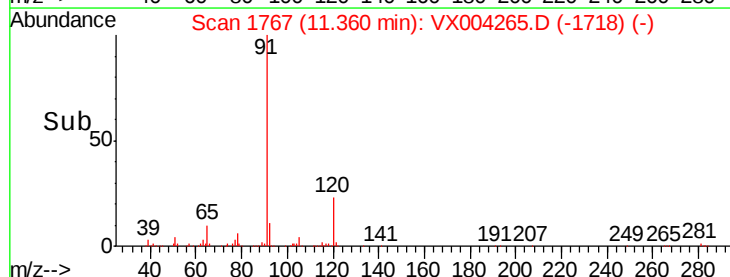
120 23.9 11.9 35.9

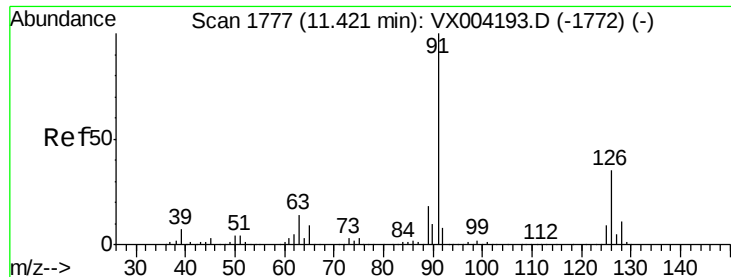


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.25 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX004265.D

Acq: 27 Aug 2018 16:43

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBSD01

Tot Ion: 91 Resp: 242441

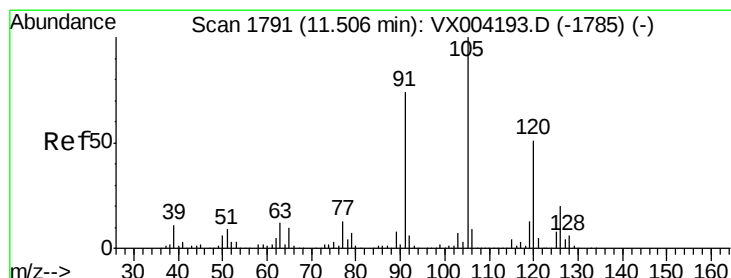
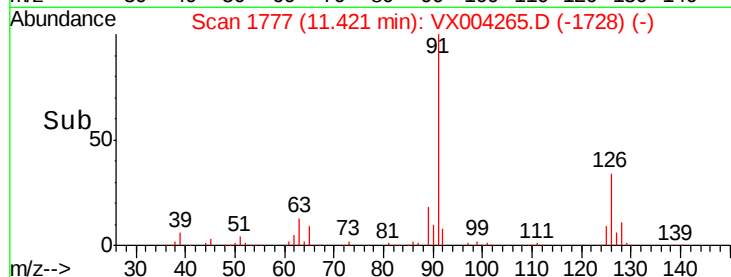
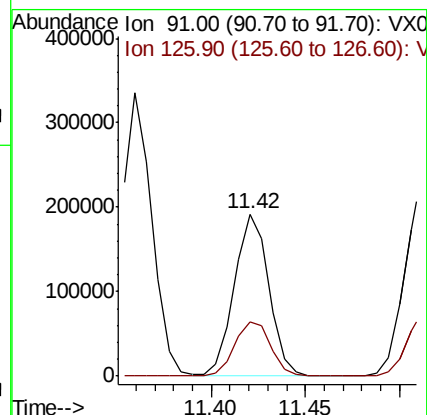
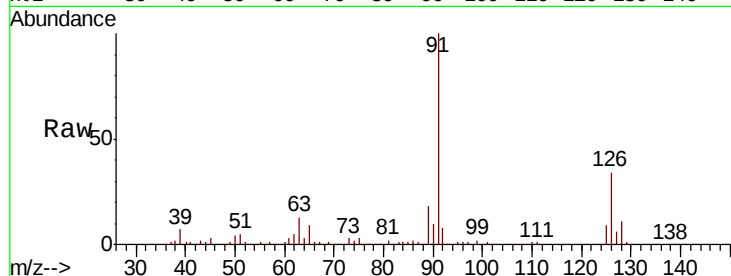
Ion Ratio Lower Upper

91 100

126 35.4 17.9 53.7

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 20.09 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX004265.D

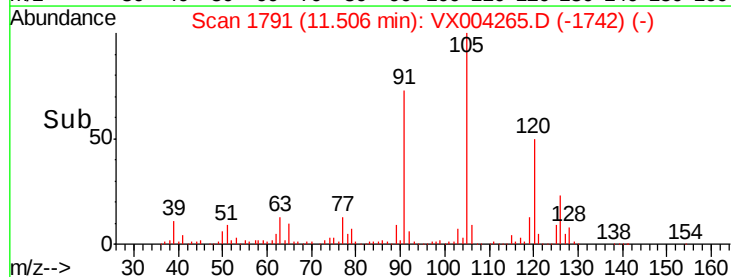
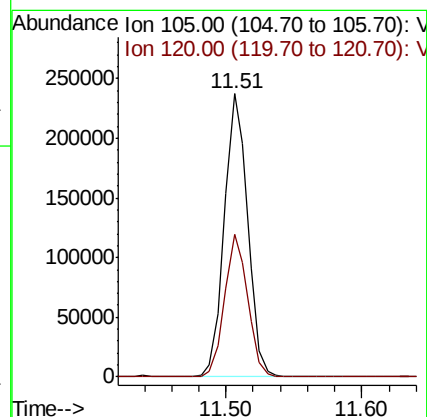
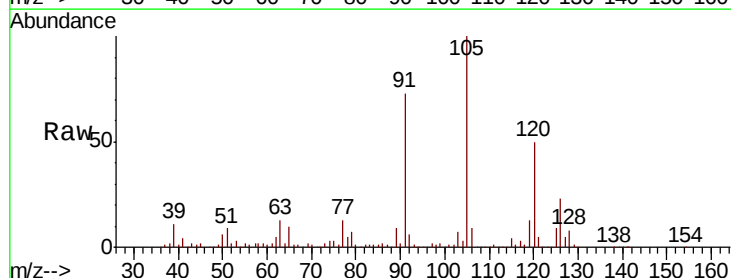
Acq: 27 Aug 2018 16:43

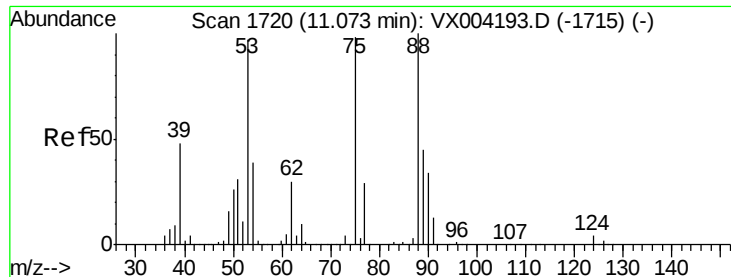
Tgt Ion: 105 Resp: 281413

Ion Ratio Lower Upper

105 100

120 50.0 25.6 76.8





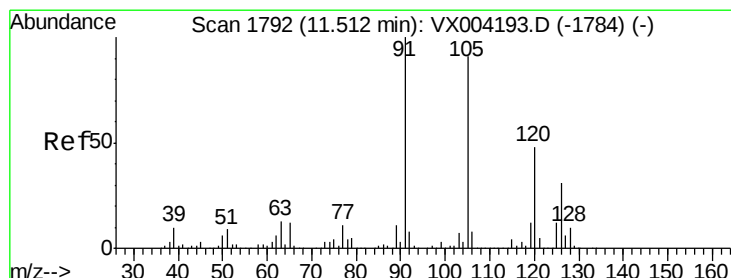
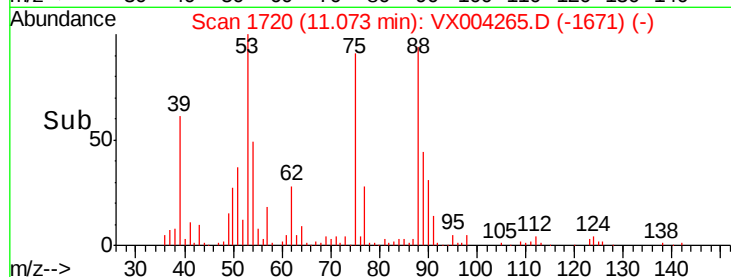
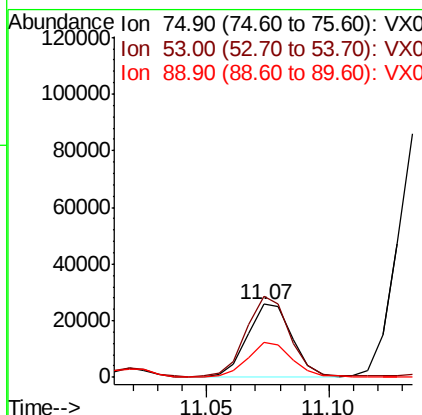
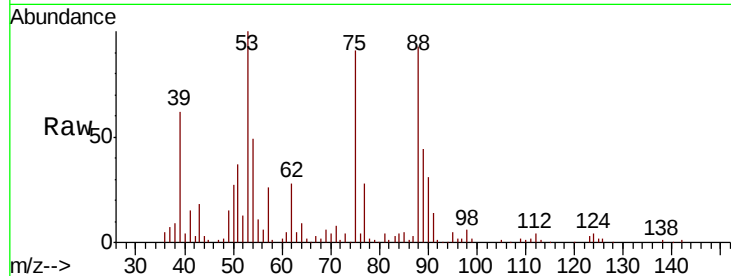
#81
trans-1,4-Dichloro-2-butene
Concen: 20.46 ug/l
RT: 11.07 min Scan# 1720
Delta R.T. 0.00 min
Lab File: VX004265.D
Acq: 27 Aug 2018 16:43

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.3	80.1	120.1
89	47.1	37.2	55.8

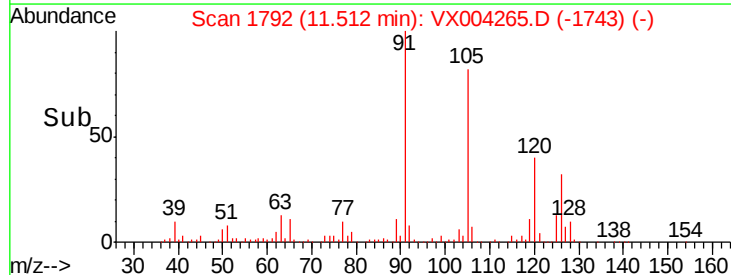
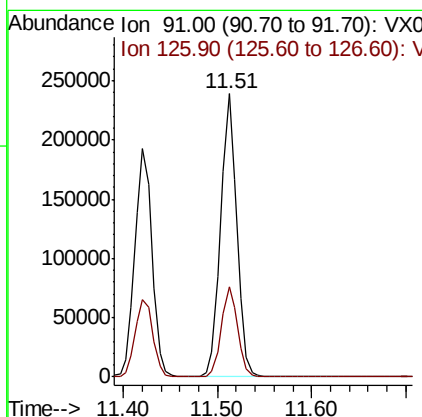
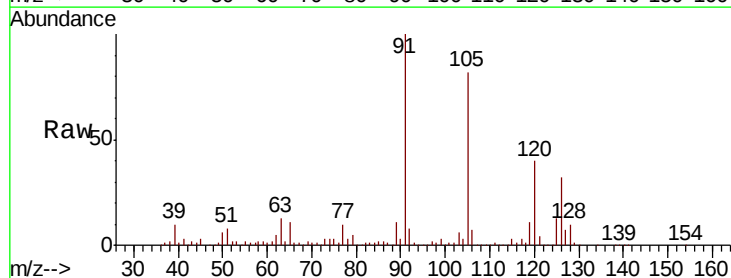
Manual Integrations
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#82
4-Chlorotoluene
Concen: 20.23 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004265.D
Acq: 27 Aug 2018 16:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.5	46.5





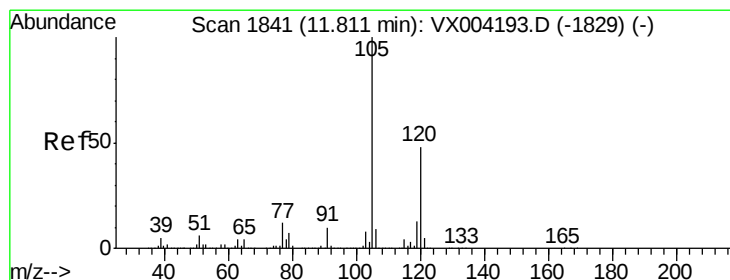
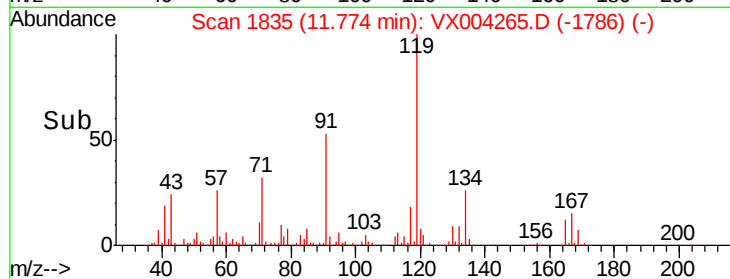
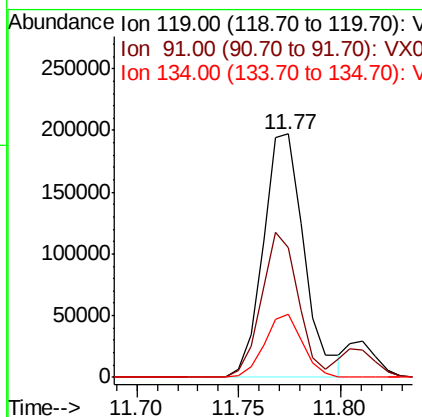
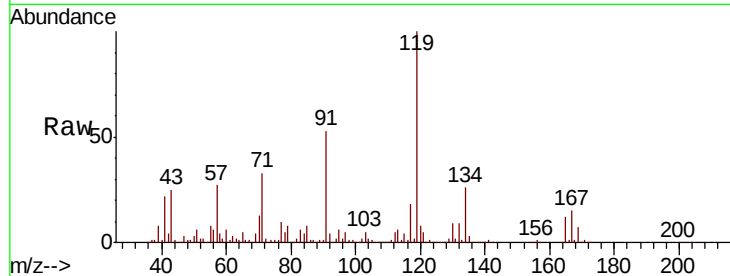
#83
tert-Butylbenzene
Concen: 19.55 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX004265.D
Acq: 27 Aug 2018 16:43

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	53.6	27.0	81.0
134	24.2	11.7	35.1

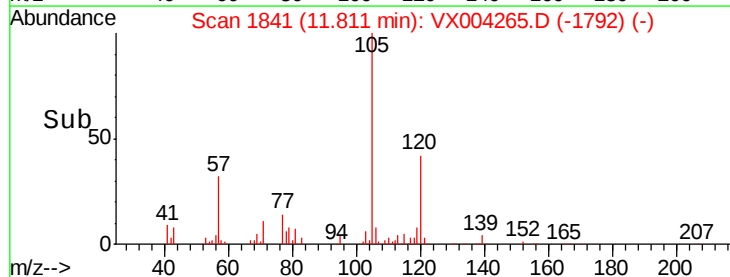
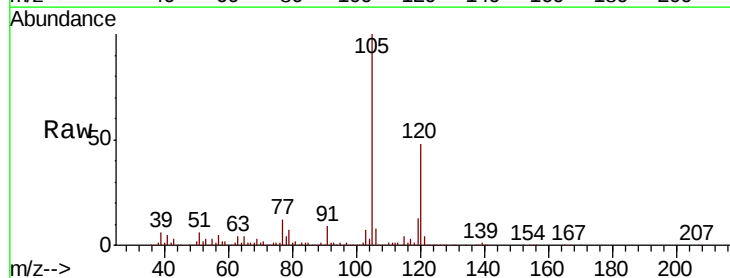
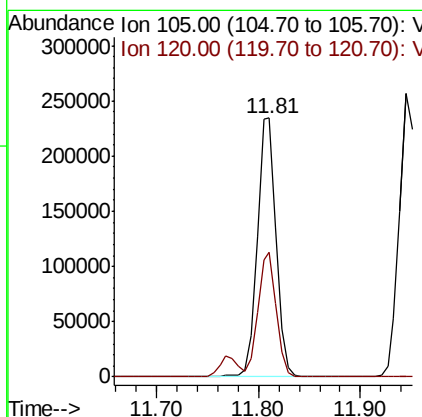
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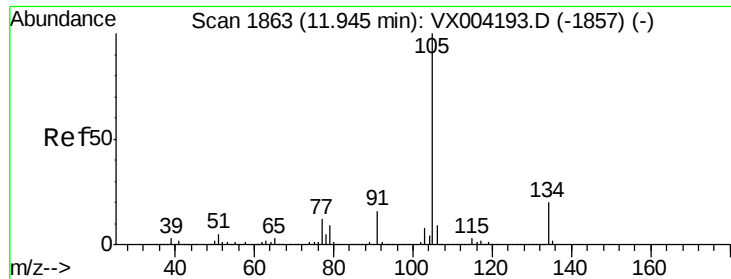
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#84
1,2,4-Trimethylbenzene
Concen: 21.19 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX004265.D
Acq: 27 Aug 2018 16:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.2	69.6





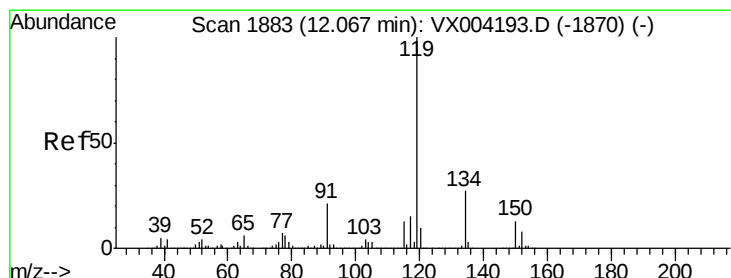
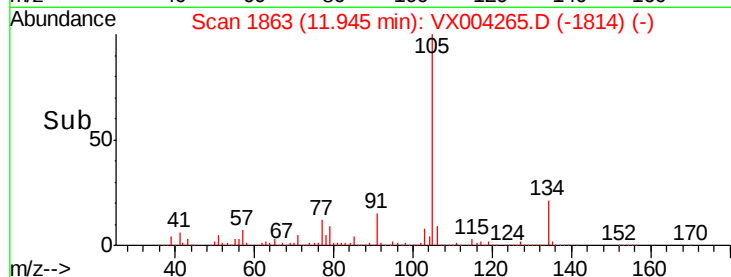
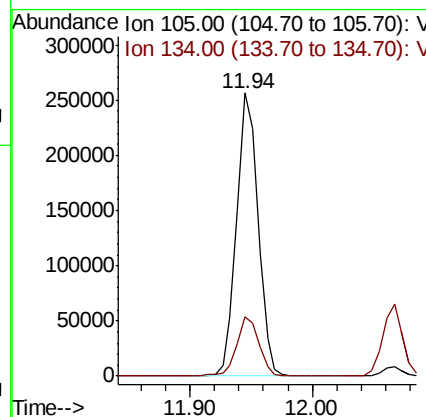
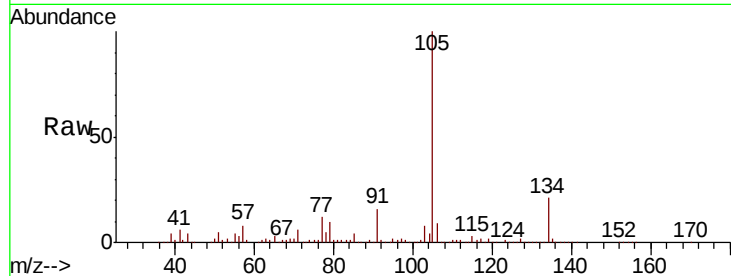
#85
 sec-Butylbenzene
 Concen: 18.50 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. 0.00 min
 Lab File: VX004265.D
 Acq: 27 Aug 2018 16:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827MBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.6	10.5	31.5

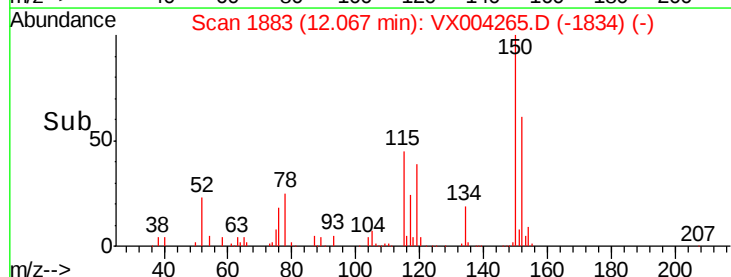
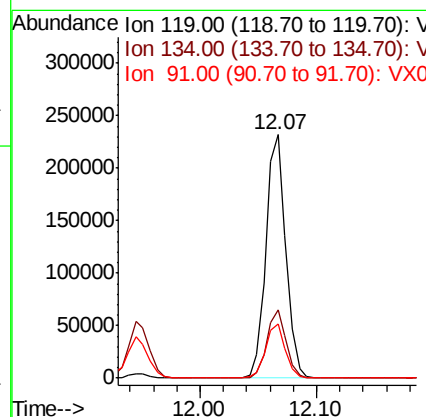
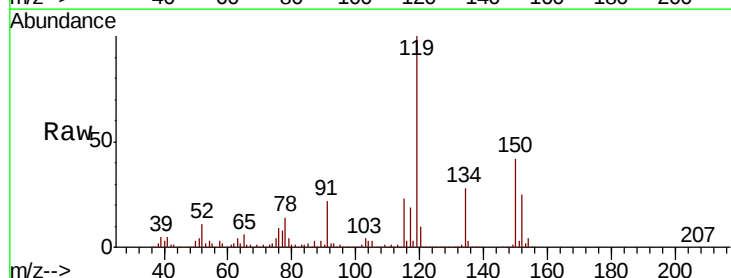
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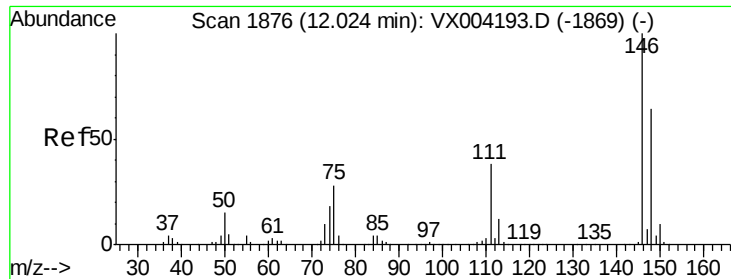
MMDadoda
 8/28/2018 3:54:25 PM



#86
 p-Isopropyltoluene
 Concen: 18.36 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX004265.D
 Acq: 27 Aug 2018 16:43

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.4	40.2
91	22.1	10.9	32.7





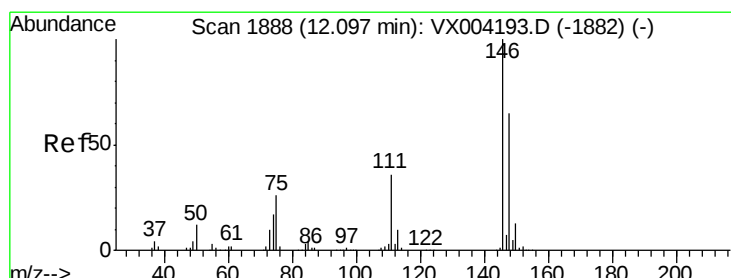
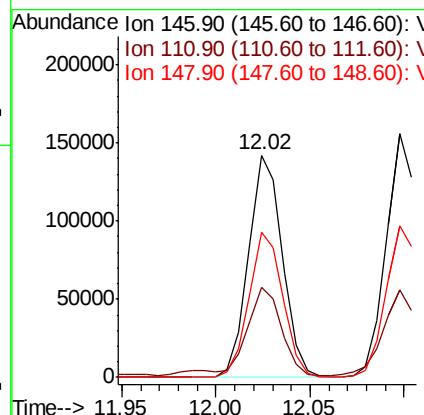
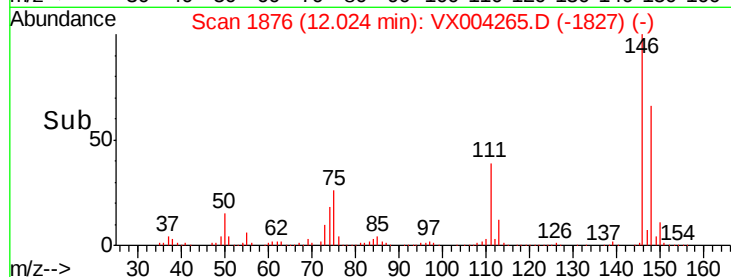
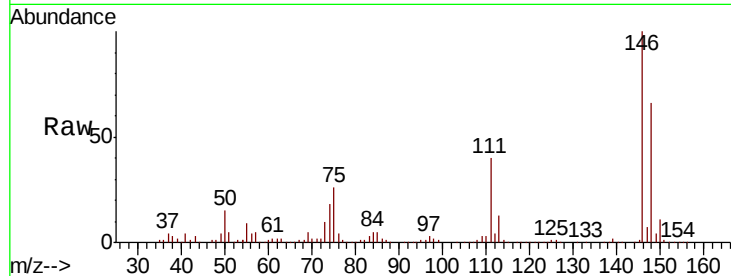
#87
 1,3-Dichlorobenzene
 Concen: 19.84 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. 0.00 min
 Lab File: VX004265.D
 Acq: 27 Aug 2018 16:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	18.7	56.1
148	65.4	32.1	96.5

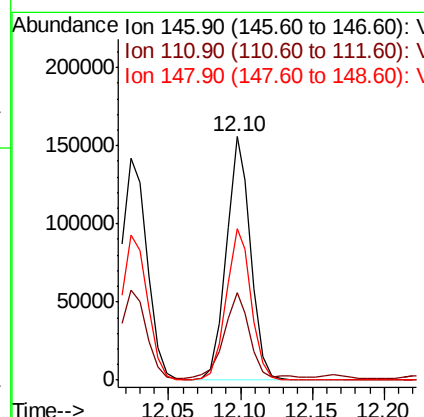
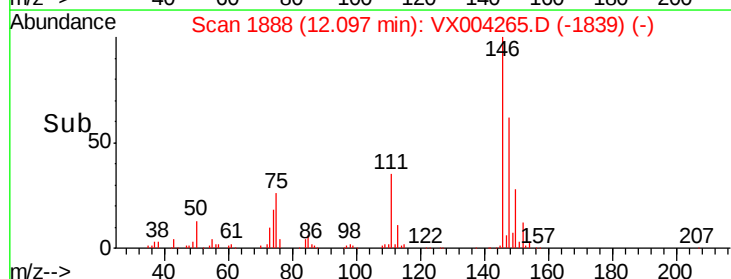
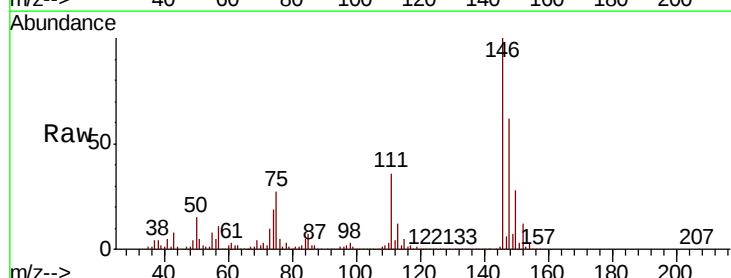
Manual Integrations
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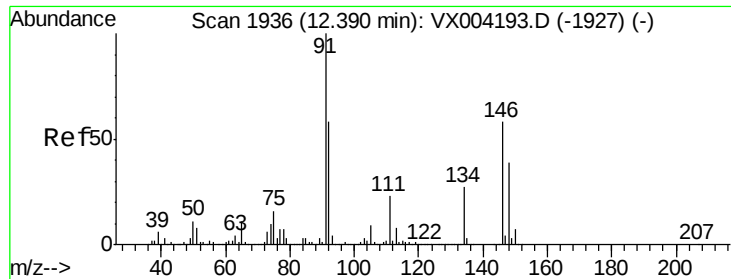
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#88
 1,4-Dichlorobenzene
 Concen: 19.54 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX004265.D
 Acq: 27 Aug 2018 16:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.1	54.1
148	64.0	32.0	96.0





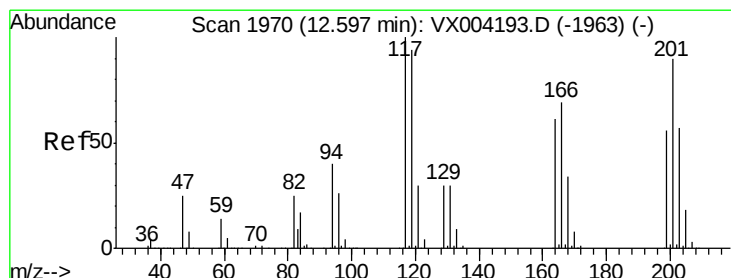
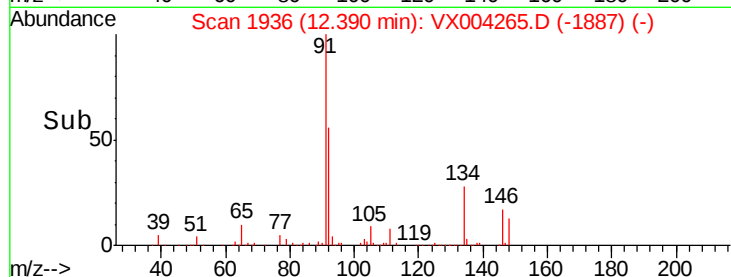
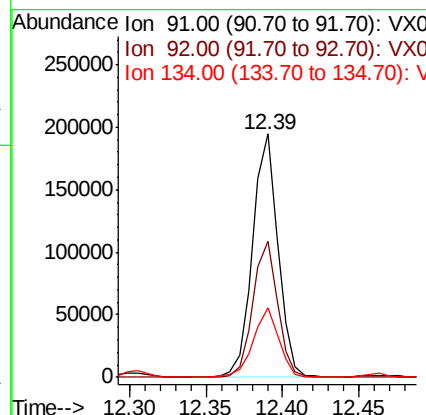
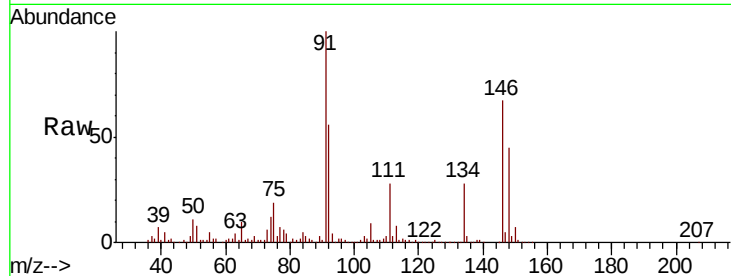
#89
n-Butylbenzene
Concen: 18.36 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX004265.D
Acq: 27 Aug 2018 16:43

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.3	81.9
134	29.0	13.6	40.7

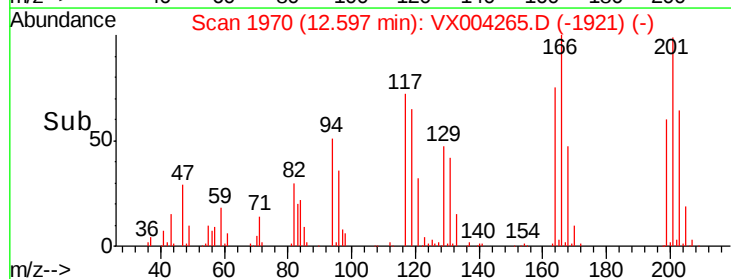
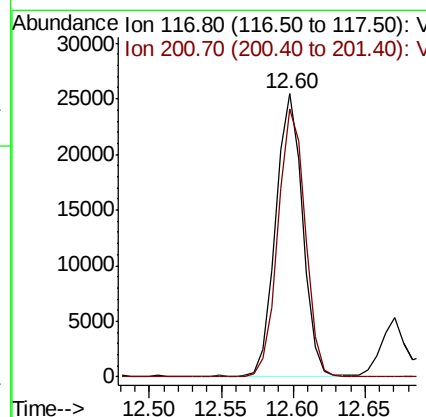
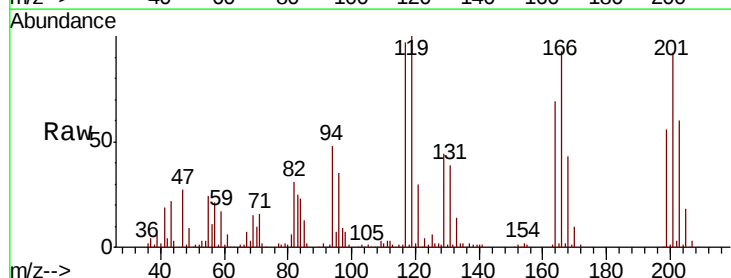
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#90
Hexachloroethane
Concen: 15.92 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX004265.D
Acq: 27 Aug 2018 16:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.4	46.9	140.6





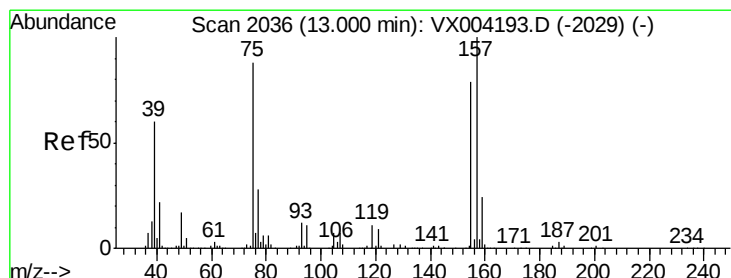
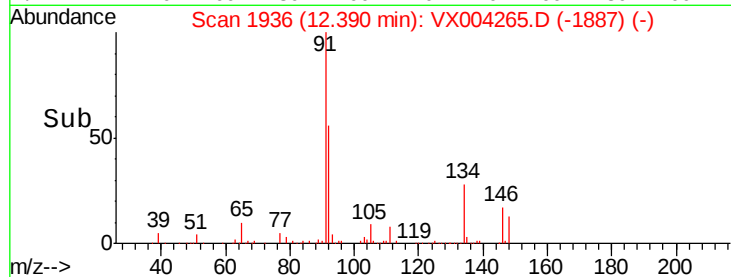
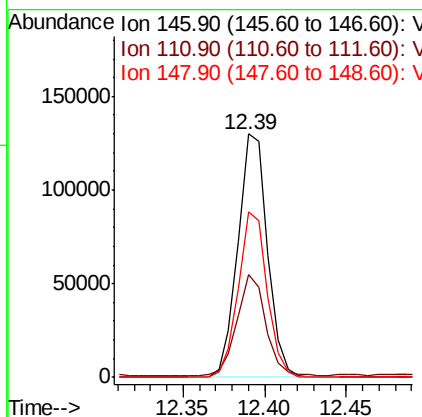
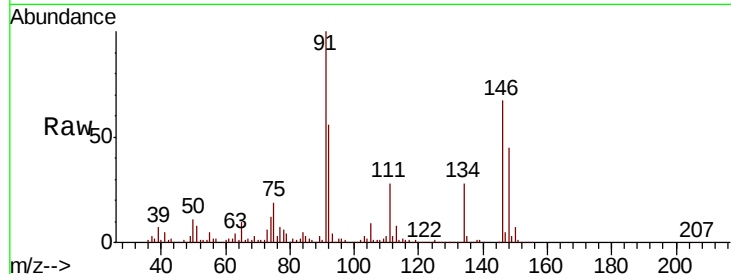
#91
 1,2-Dichlorobenzene
 Concen: 20.14 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VX004265.D
 Acq: 27 Aug 2018 16:43

Instrument :
 MSVOA_X
 ClientSampled :
 VX0827MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	164396		
111	41.1	19.4	58.1	
148	66.4	32.8	98.3	

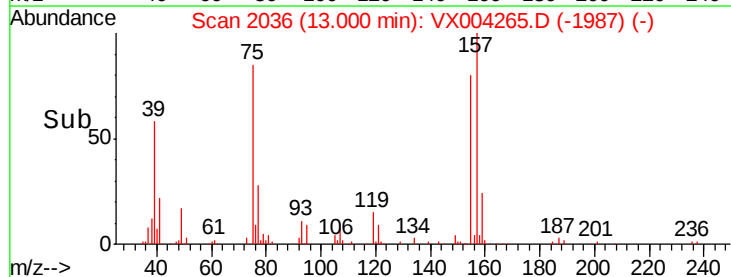
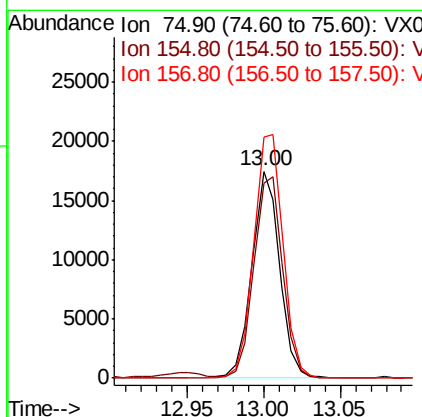
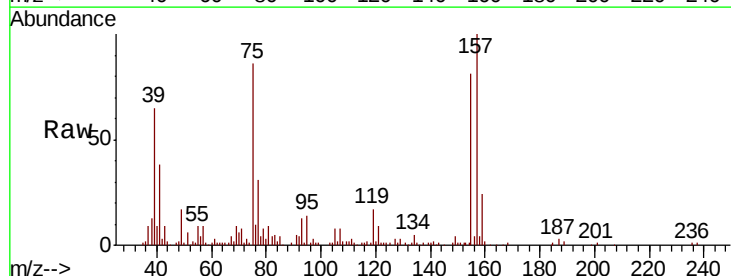
Manual Integrations
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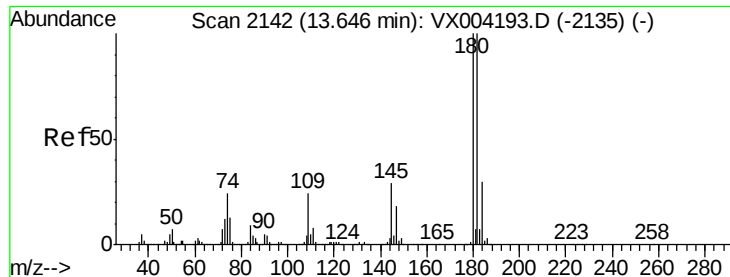
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 8/28/2018 3:54:25 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.11 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VX004265.D
 Acq: 27 Aug 2018 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22009		
155	101.3	48.0	144.2	
157	124.3	61.4	184.1	





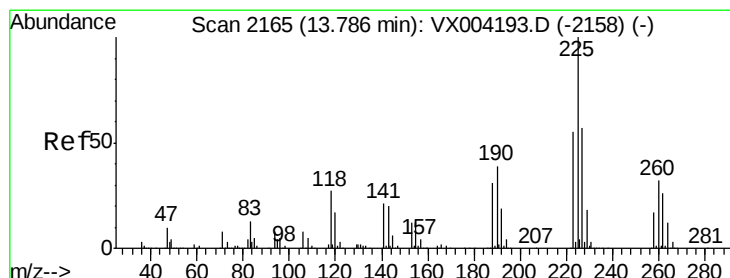
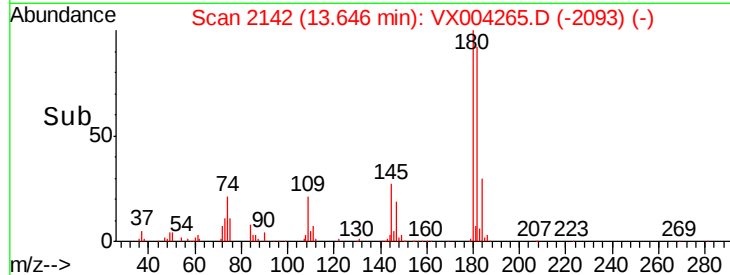
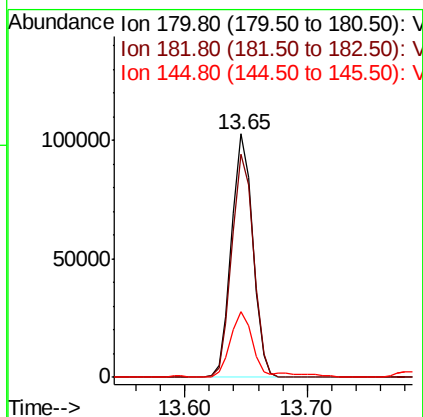
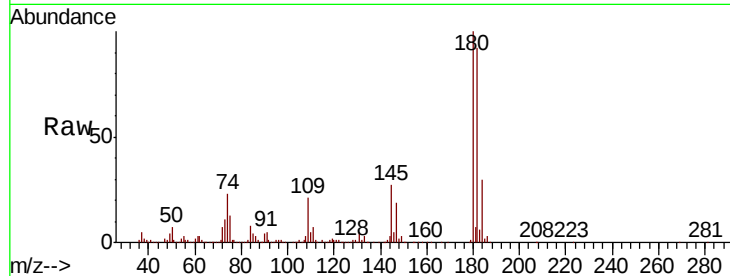
#93
 1,2,4-Trichlorobenzene
 Concen: 20.65 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX004265.D
 Acq: 27 Aug 2018 16:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	122688		
182	94.0	48.4	145.0	
145	27.8	14.3	42.9	

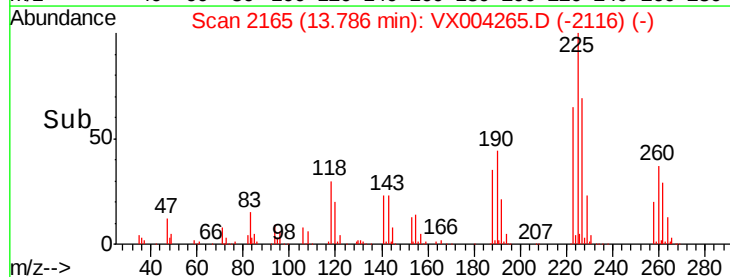
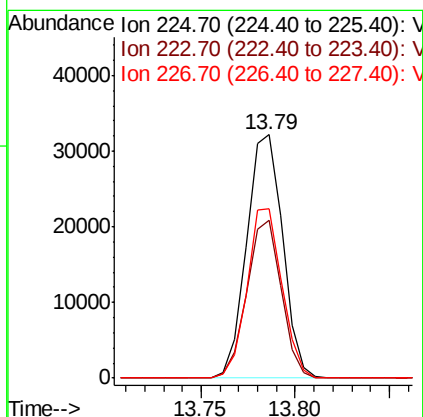
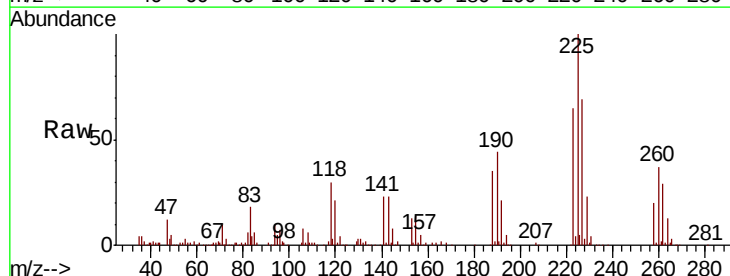
Manual Integrations
 APPROVED

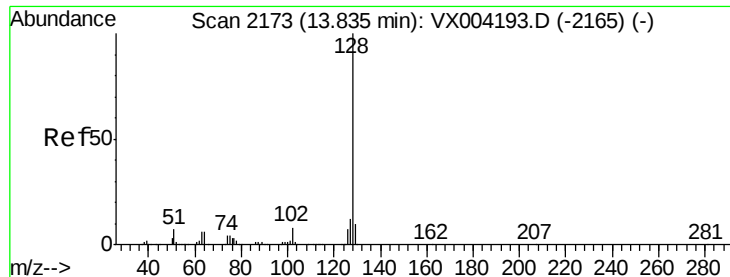
MMDadoda
 8/28/2018 3:54:25 PM



#94
 Hexachlorobutadiene
 Concen: 15.29 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX004265.D
 Acq: 27 Aug 2018 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	42527		
223	62.2	30.1	90.5	
227	67.7	30.8	92.4	





#95

Naphthalene

Concen: 24.76 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX004265.D

Acq: 27 Aug 2018 16:43

Instrument :

MSVOA_X

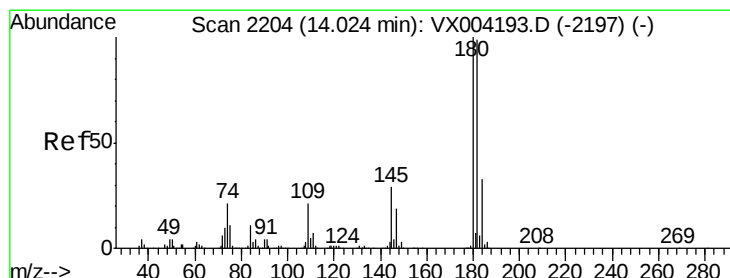
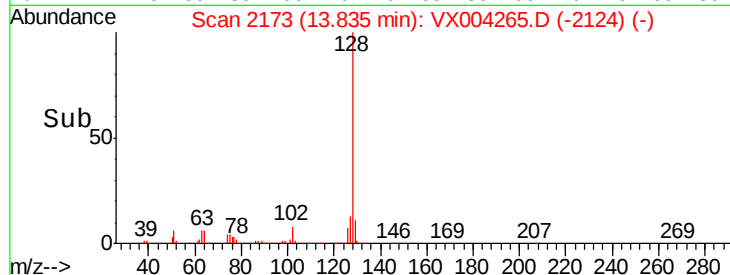
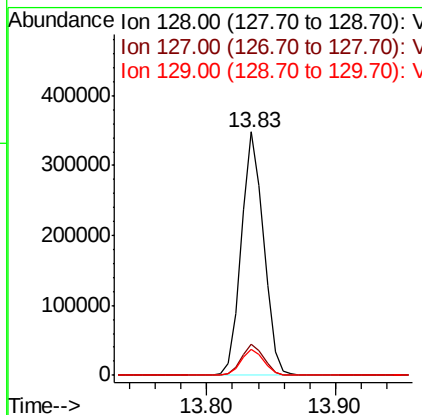
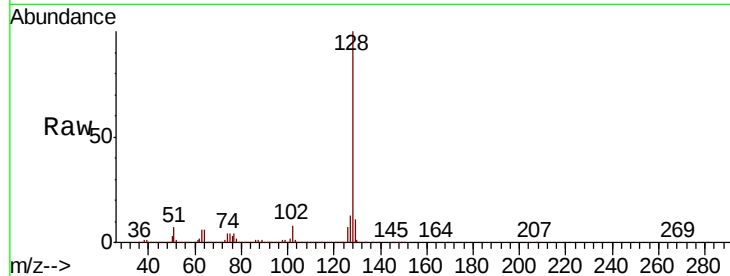
ClientSampleId :

VX0827MBSD01

Tot Ion:	128	Resp:	416067
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

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8/28/2018 3:54:25 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.53 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX004265.D

Acq: 27 Aug 2018 16:43

Tgt Ion:	180	Resp:	129086
Ion Ratio	Lower	Upper	
180	100		
182	96.7	48.5	145.6
145	31.1	14.9	44.9

