

Data Path : Y:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060418\
 Data File : VX002275.D
 Acq On : 04 Jun 2018 22:20
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 05 06:07:08 2018
 Quant Method : Y:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	245967	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	376818	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	371315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	235472	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	186493	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	
35) Dibromofluoromethane	5.51	113	142236	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	
50) Toluene-d8	8.72	98	541767	47.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.40%	
62) 4-Bromofluorobenzene	11.14	95	213251	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	111239	43.51	ug/l	100
3) Chloromethane	1.32	50	163769	56.26	ug/l	98
4) Vinyl Chloride	1.41	62	159585	49.52	ug/l	99
5) Bromomethane	1.64	94	103113	57.01	ug/l	98
6) Chloroethane	1.71	64	106859	51.26	ug/l	100
7) Trichlorofluoromethane	1.93	101	240395	48.96	ug/l	100
8) Diethyl Ether	2.19	74	104834	60.59	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	124363	46.94	ug/l	100
10) Methyl Iodide	2.51	142	200076	53.69	ug/l	99
11) Tert butyl alcohol	3.08	59	206225	289.18	ug/l	98
12) 1,1-Dichloroethene	2.37	96	130209	49.73	ug/l	98
13) Acrolein	2.30	56	101826	293.25	ug/l	100
14) Allyl chloride	2.73	41	282908	49.79	ug/l	99
15) Acrylonitrile	3.15	53	448194	301.39	ug/l	100
16) Acetone	2.45	43	416395	277.36	ug/l	100
17) Carbon Disulfide	2.57	76	317167	45.96	ug/l	99
18) Methyl Acetate	2.78	43	213534	61.20	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	544507	60.20	ug/l	99
20) Methylene Chloride	2.86	84	163820	59.42	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	146895	50.87	ug/l	99
22) Diisopropyl ether	3.88	45	528575	55.85	ug/l	99
23) Vinyl Acetate	3.83	43	2308778	250.63	ug/l	100
24) 1,1-Dichloroethane	3.70	63	262436	46.73	ug/l	99
25) 2-Butanone	4.71	43	604213	250.53	ug/l	99
26) 2,2-Dichloropropane	4.59	77	186793	42.55	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	156345	49.79	ug/l	97
28) Bromochloromethane	5.03	49	139657	59.12	ug/l	100
29) Tetrahydrofuran	5.17	42	398747	256.44	ug/l	99
30) Chloroform	5.22	83	277959	51.29	ug/l	97
31) Cyclohexane	5.57	56	203576	45.84	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	232978	50.69	ug/l	99
36) 1,1-Dichloropropene	5.81	75	187229	47.26	ug/l	99
37) Ethyl Acetate	4.87	43	241681	50.73	ug/l	98
38) Carbon Tetrachloride	5.79	117	194981	47.05	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	196117	40.12	ug/l	100
40) Benzene	6.15	78	606545	49.94	ug/l	100
41) Methacrylonitrile	5.07	41	136288	49.97	ug/l	99
42) 1,2-Dichloroethane	6.20	62	243791	50.52	ug/l	100
43) Isopropyl Acetate	6.47	43	402717	49.77	ug/l	100
44) Trichloroethene	7.22	130	170563	50.60	ug/l	100
45) 1,2-Dichloropropane	7.52	63	162324	49.50	ug/l	100
46) Dibromomethane	7.67	93	110128	49.54	ug/l	99
47) Bromodichloromethane	7.90	83	205606	51.14	ug/l	99
48) Methyl methacrylate	7.78	41	206737	50.86	ug/l	100
49) 1,4-Dioxane	7.76	88	79000	1039.50	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1305395	259.05	ug/l	100
52) Toluene	8.79	92	394240	51.03	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	245574	50.94	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	231543	50.90	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	165146	51.98	ug/l	98
56) Ethyl methacrylate	9.19	69	260596	51.37	ug/l	100
57) 1,3-Dichloropropane	9.38	76	273039	51.22	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	612829	261.02	ug/l	100
59) 2-Hexanone	9.50	43	1006306	258.54	ug/l	100
60) Dibromochloromethane	9.59	129	169815	53.13	ug/l	99
61) 1,2-Dibromoethane	9.68	107	174430	52.65	ug/l	100
64) Tetrachloroethene	9.34	164	188207	49.15	ug/l	98
65) Chlorobenzene	10.14	112	457571	49.52	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	168807	50.46	ug/l	100
67) Ethyl Benzene	10.26	91	774445	50.09	ug/l	100
68) m/p-Xylenes	10.37	106	603972	100.49	ug/l	100
69) o-Xylene	10.70	106	301395	50.39	ug/l	99
70) Styrene	10.72	104	506078	51.76	ug/l	99
71) Bromoform	10.86	173	132706	44.69	ug/l	100
73) Isopropylbenzene	11.02	105	780552	47.65	ug/l	100
74) N-amyl acetate	6.47	43	402717	45.63	ug/l #	100
75) 1,1,1,2-Tetrachloroethane	11.27	83	243968	47.35	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	292617	56.63	ug/l	80
77) Bromobenzene	11.26	156	224802	48.88	ug/l	99
78) n-propylbenzene	11.37	91	886805	48.71	ug/l	100
79) 2-Chlorotoluene	11.43	91	548797	47.74	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	685584	48.80	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	67105	45.53	ug/l	96
82) 4-Chlorotoluene	11.51	91	650389	49.01	ug/l	100
83) tert-Butylbenzene	11.77	119	650585	47.55	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	714209	49.38	ug/l	100
85) sec-Butylbenzene	11.95	105	782536	48.79	ug/l	100
86) p-Isopropyltoluene	12.07	119	720318	49.30	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	404279	49.17	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	411925	48.60	ug/l	99
89) n-Butylbenzene	12.39	91	600876	49.04	ug/l	100
90) Hexachloroethane	12.60	117	109913	47.13	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	415311	48.82	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	57666	51.18	ug/l	98

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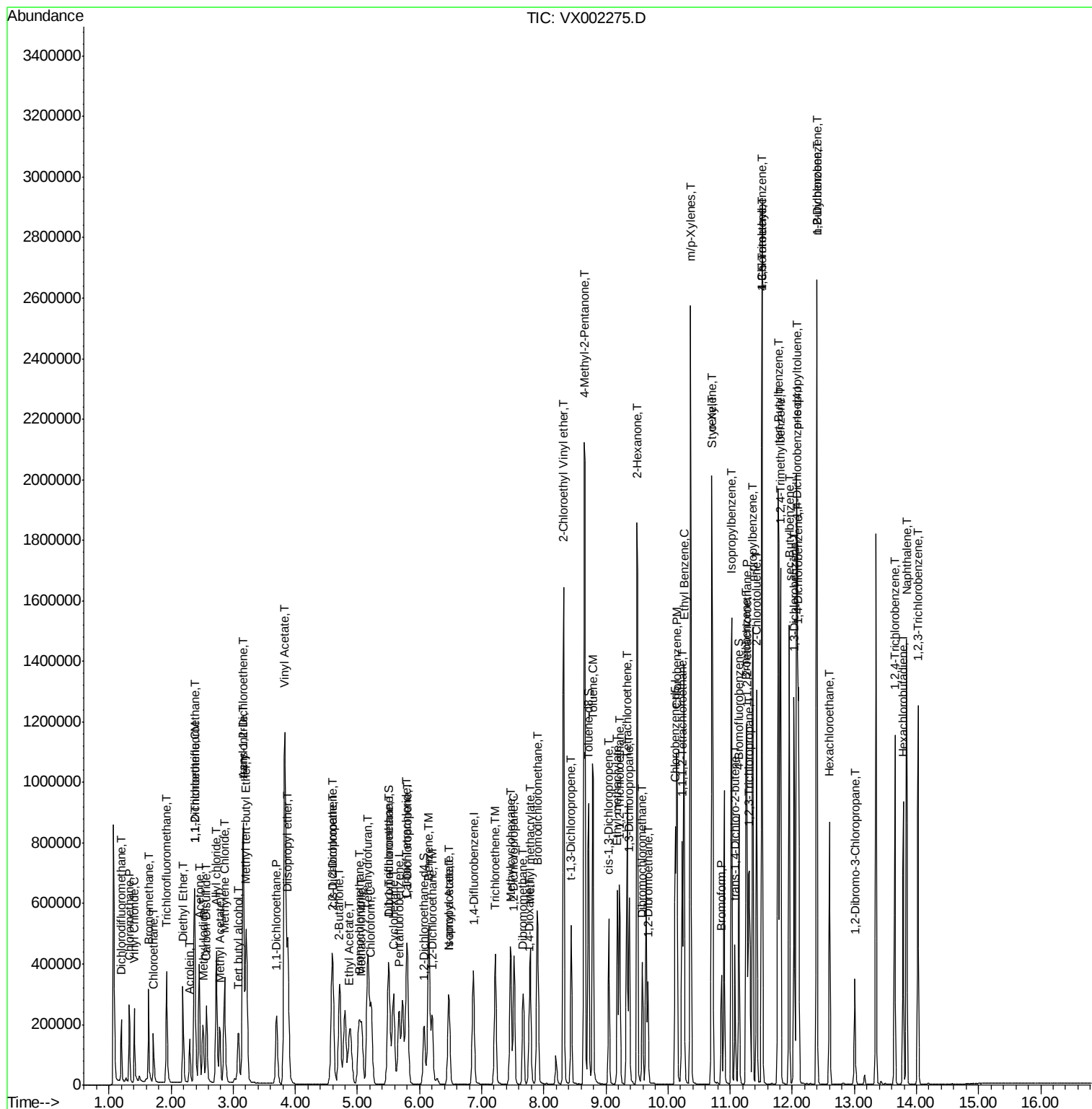
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

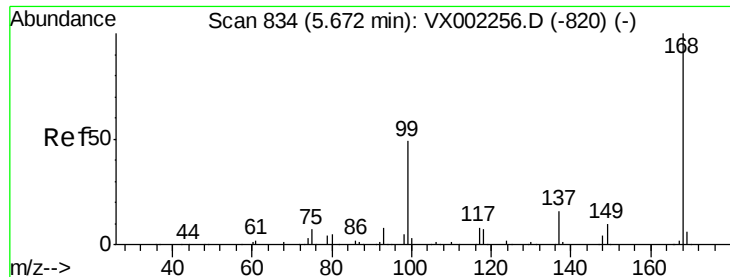
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	294058	49.29	ug/l	100
94) Hexachlorobutadiene	13.79	225	140502	47.66	ug/l	98
95) Naphthalene	13.84	128	870424	50.78	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	304207	50.00	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

Instrument :

MSVOA_X

ClientSampleId :

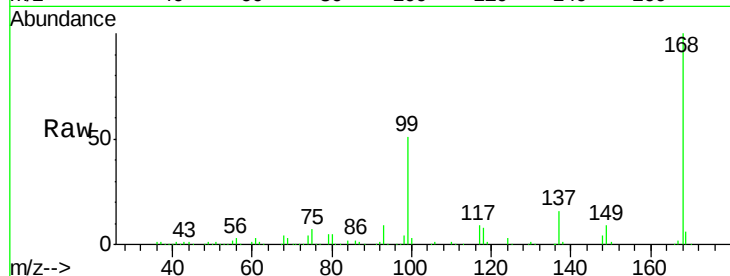
VSTDCCC050

Tot Ion:168 Resp: 245967

Ion Ratio Lower Upper

168 100

99 51.0 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

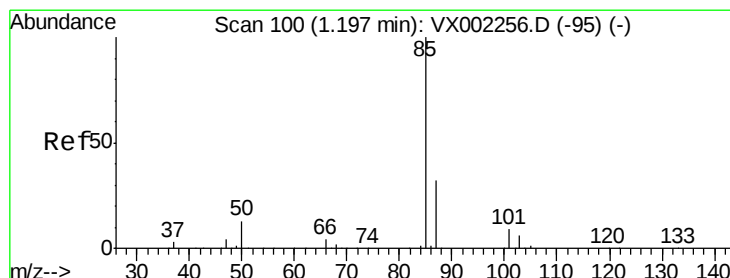
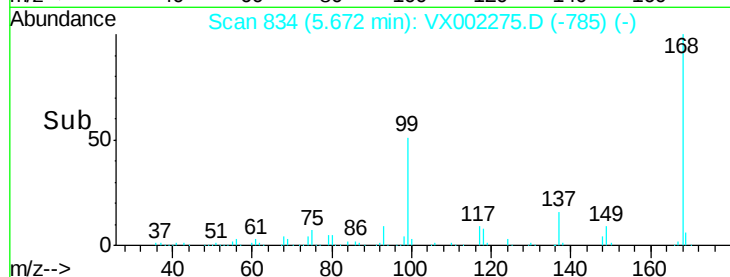
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#2

Dichlorodifluoromethane

Concen: 43.51 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002275.D

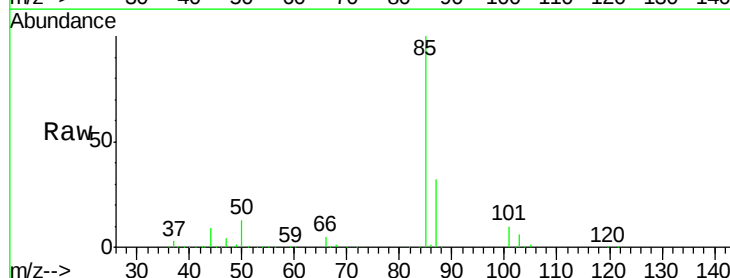
Acq: 04 Jun 2018 22:20

Tgt Ion: 85 Resp: 111239

Ion Ratio Lower Upper

85 100

87 31.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

120000

100000

80000

60000

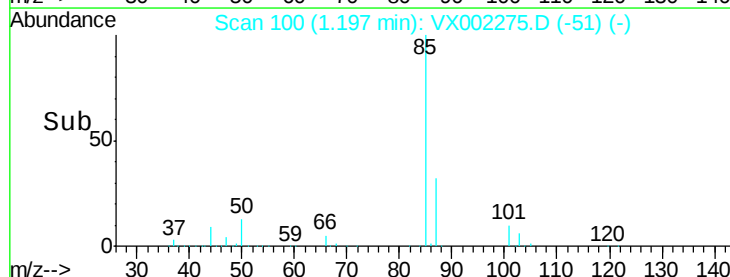
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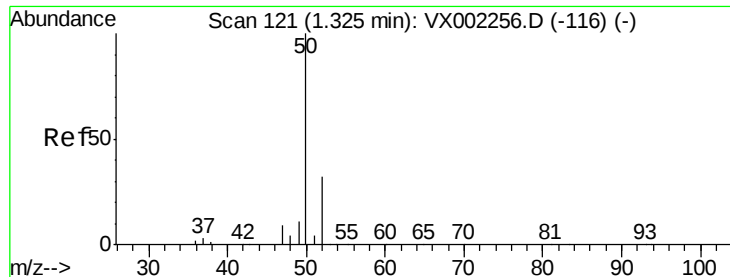
20000

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Time-->

1.10 1.20 1.30





#3

Chloromethane

Concen: 56.26 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

Instrument :

MSVOA_X

ClientSampleId :

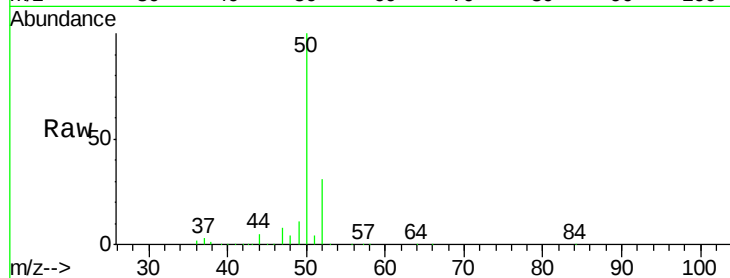
VSTDCCC050

Tot Ion: 50 Resp: 163769

Ion Ratio Lower Upper

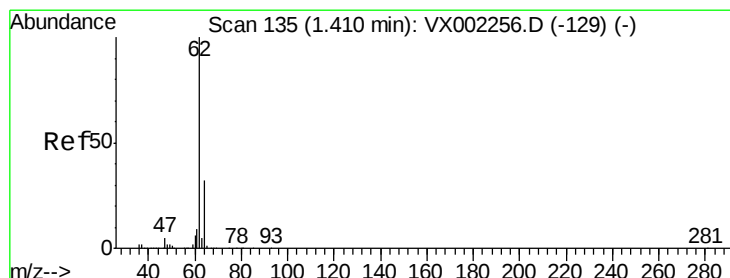
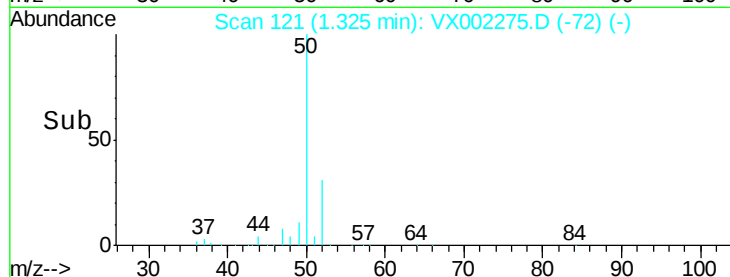
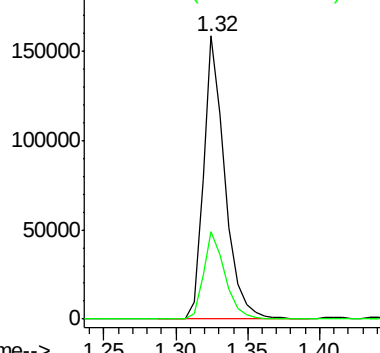
50 100

52 30.8 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 49.52 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX002275.D

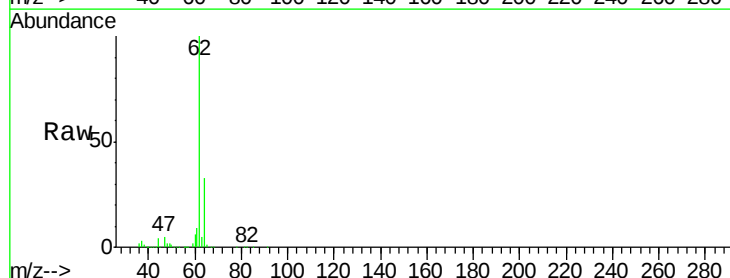
Acq: 04 Jun 2018 22:20

Tgt Ion: 62 Resp: 159585

Ion Ratio Lower Upper

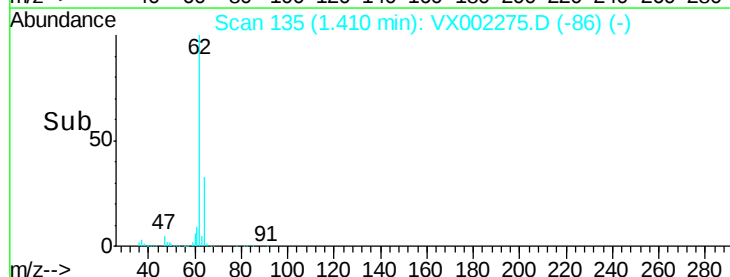
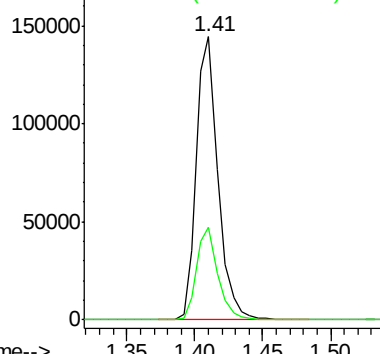
62 100

64 32.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 57.01 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

Instrument :

MSVOA_X

ClientSampleId :

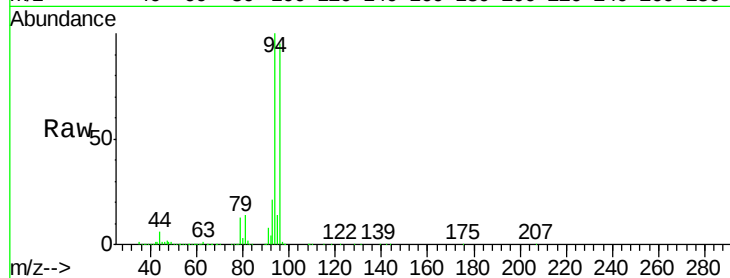
VSTDCCC050

Tot Ion: 94 Resp: 103113

Ion Ratio Lower Upper

94 100

96 95.4 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

120000

100000

80000

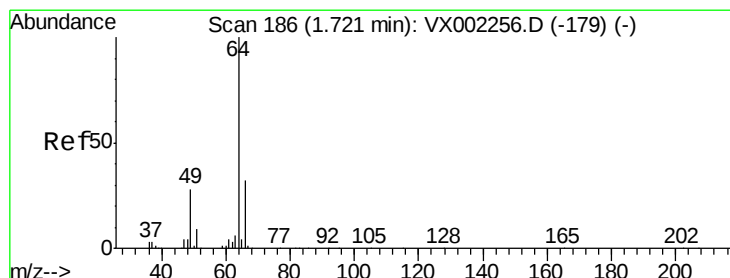
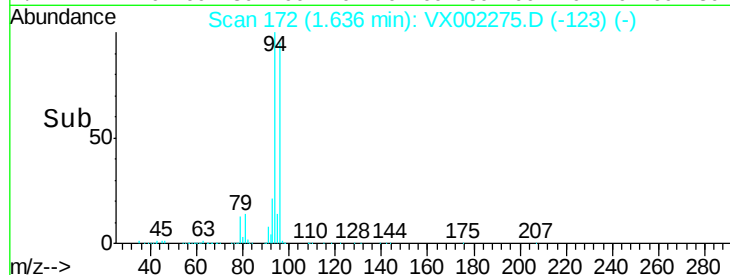
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 51.26 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX002275.D

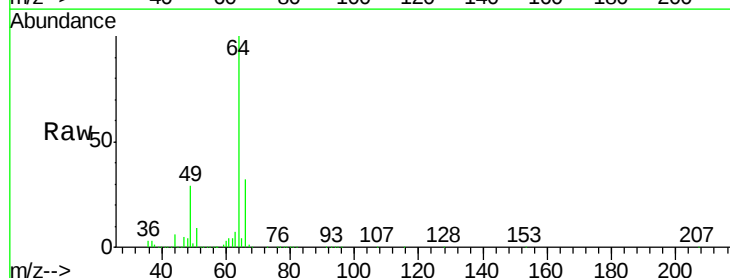
Acq: 04 Jun 2018 22:20

Tgt Ion: 64 Resp: 106859

Ion Ratio Lower Upper

64 100

66 31.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

80000

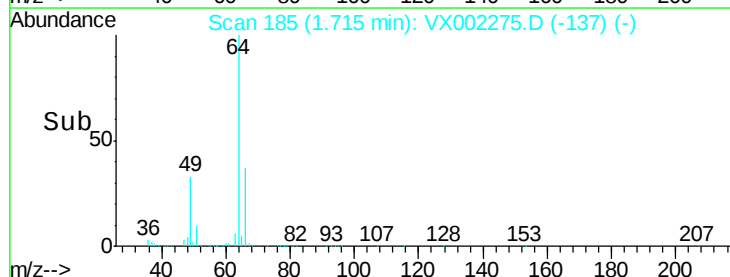
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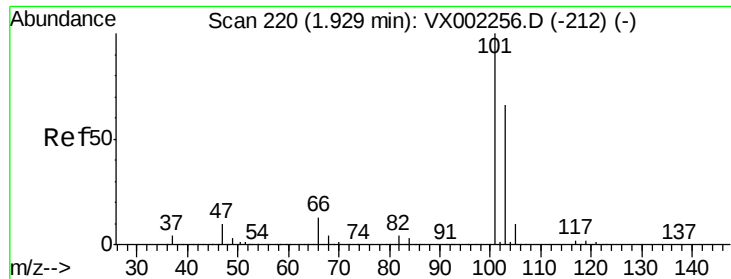
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20000

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Time-->



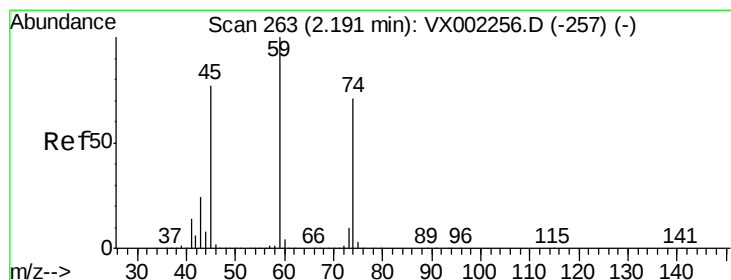
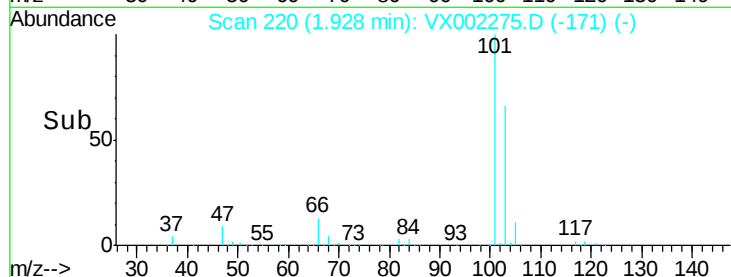
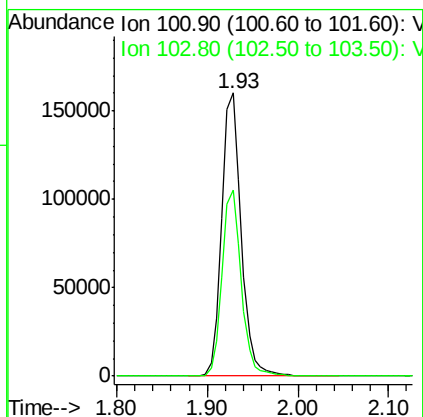
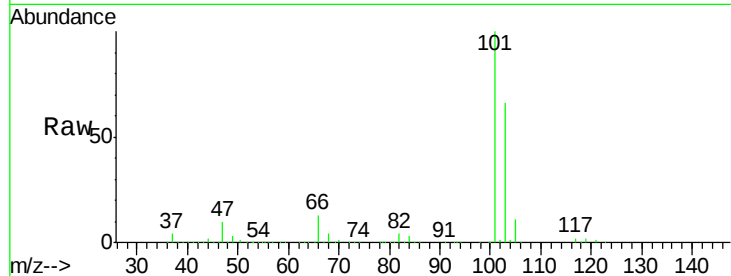


#7

Trichlorofluoromethane
 Concen: 48.96 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VX002275.D
 Acq: 04 Jun 2018 22:20

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 MSVOA_X
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 VSTDCCC050

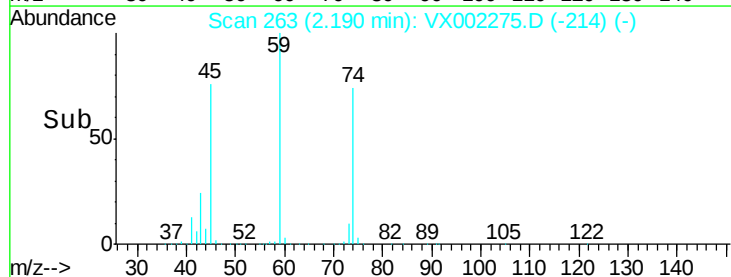
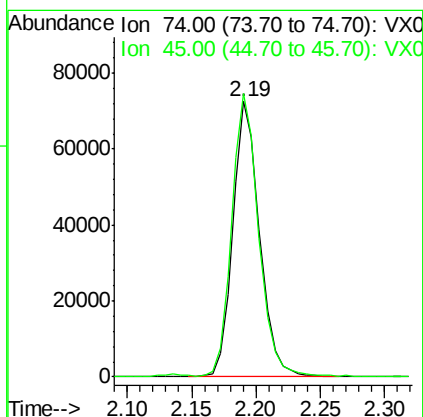
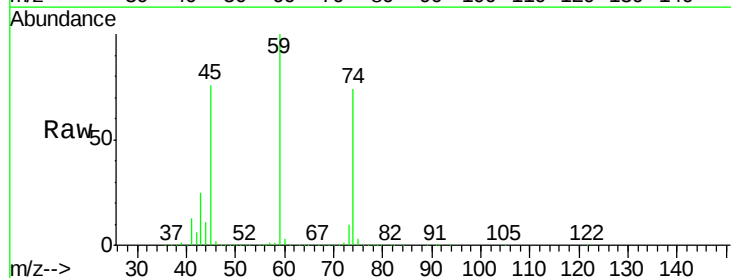
Tot Ion:101 Resp: 240395
 Ion Ratio Lower Upper
 101 100
 103 65.9 52.8 79.2

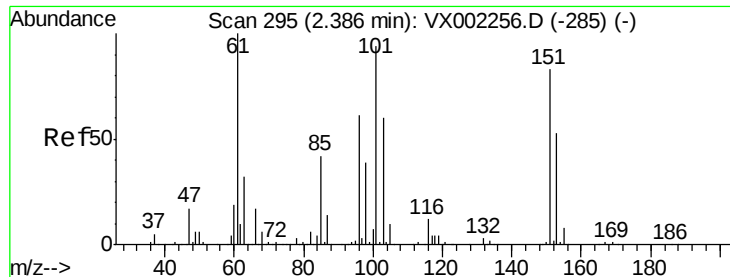


#8

Diethyl Ether
 Concen: 60.59 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX002275.D
 Acq: 04 Jun 2018 22:20

Tgt Ion: 74 Resp: 104834
 Ion Ratio Lower Upper
 74 100
 45 103.2 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.94 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

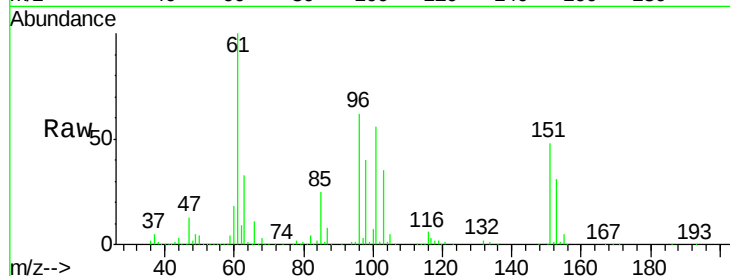
Tot Ion:101 Resp: 124363

Ion Ratio Lower Upper

101 100

85 45.1 36.0 54.0

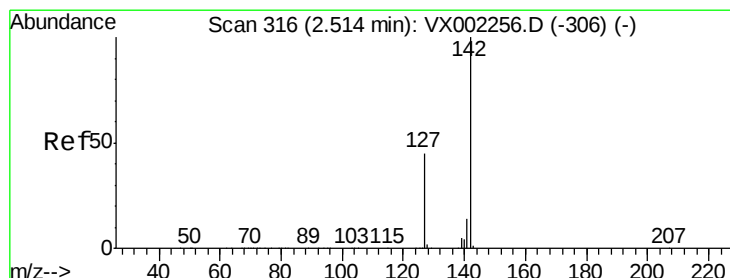
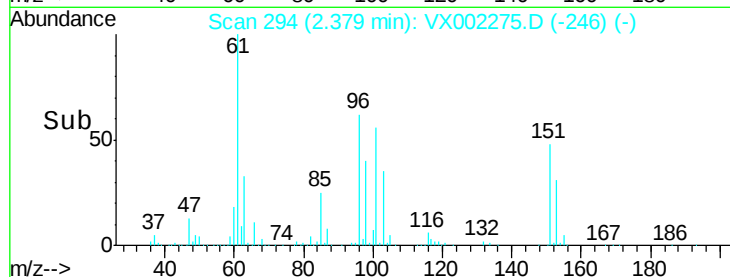
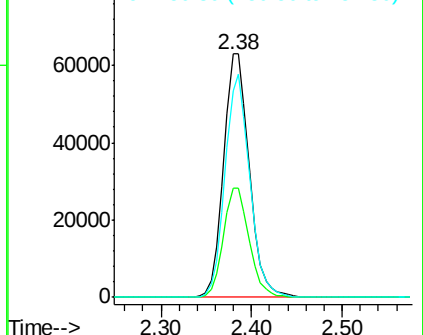
151 88.3 70.9 106.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.69 ug/l

RT: 2.51 min Scan# 316

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

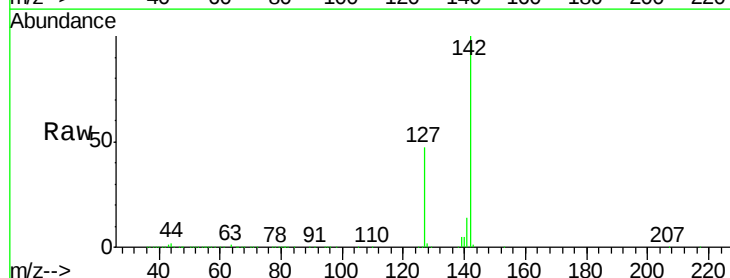
Tgt Ion:142 Resp: 200076

Ion Ratio Lower Upper

142 100

127 46.4 36.6 55.0

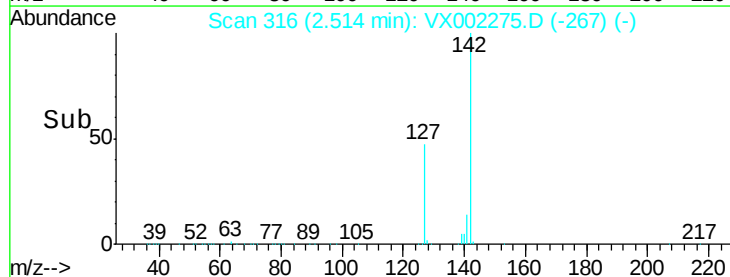
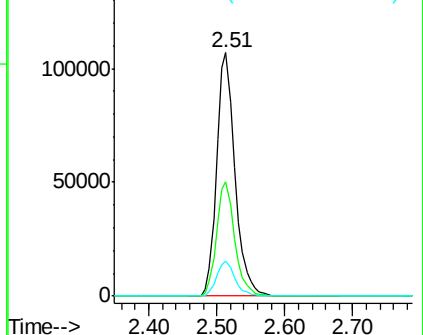
141 14.4 11.3 16.9



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

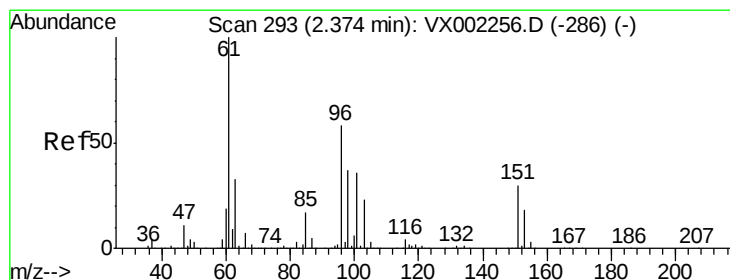
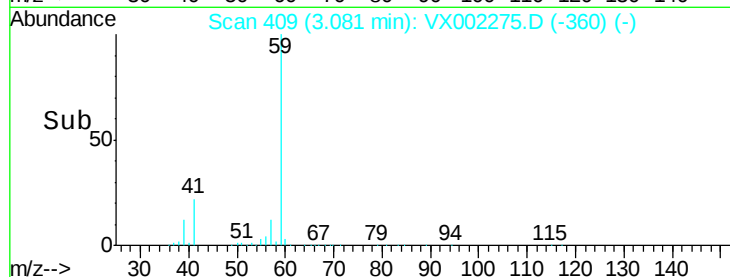
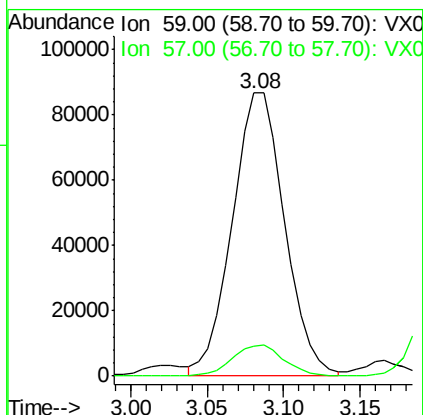
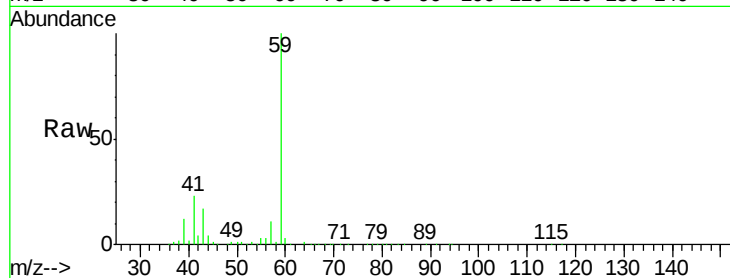




#11
Tert butyl alcohol
Concen: 289.18 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX002275.D
Acq: 04 Jun 2018 22:20

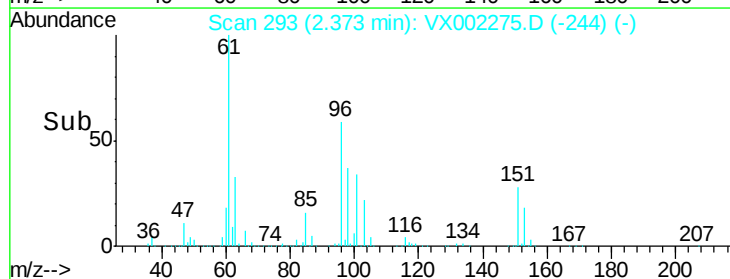
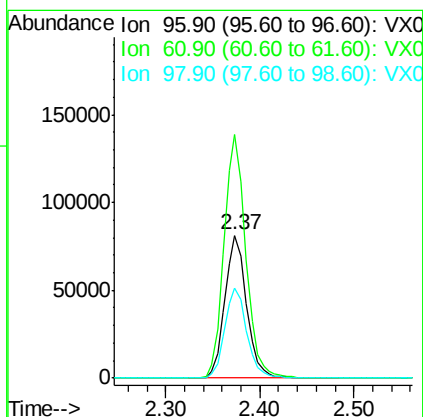
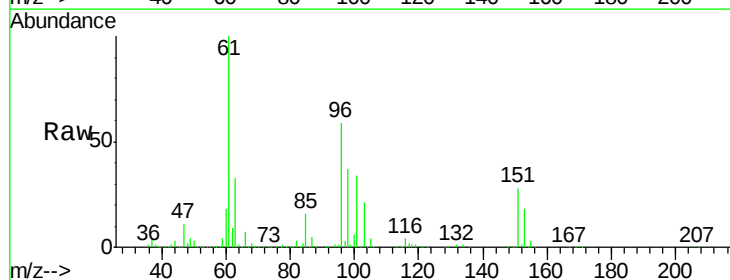
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

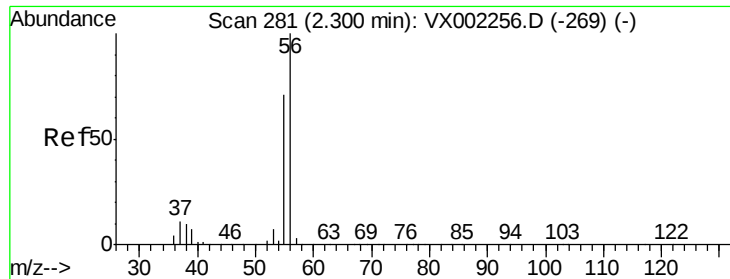
Tot Ion: 59 Resp: 206225
Ion Ratio Lower Upper
59 100
57 10.8 8.2 12.2



#12
1,1-Dichloroethene
Concen: 49.73 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002275.D
Acq: 04 Jun 2018 22:20

Tgt Ion: 96 Resp: 130209
Ion Ratio Lower Upper
96 100
61 170.2 137.9 206.9
98 62.9 51.6 77.4

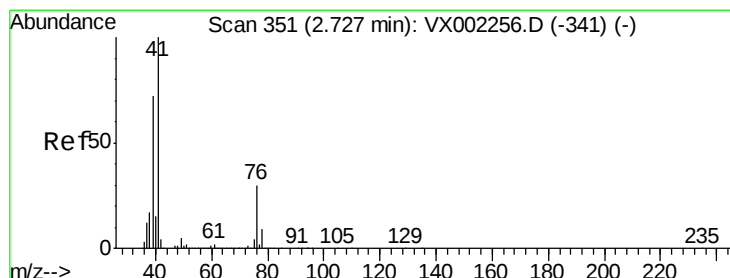
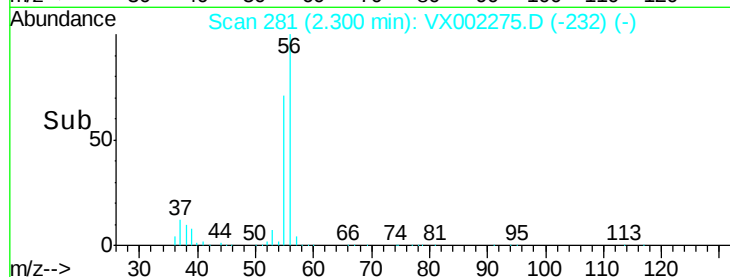
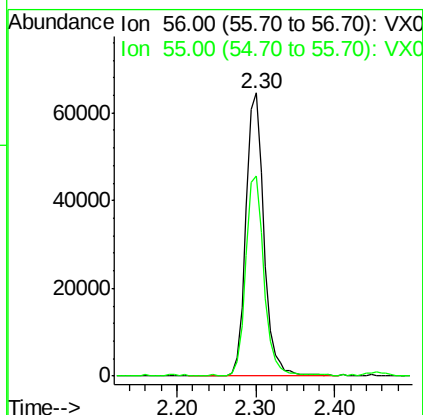
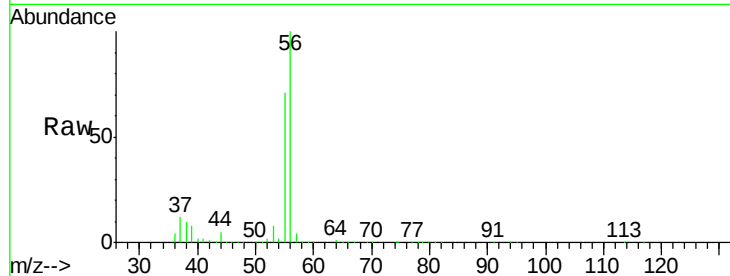




#13
 Acrolein
 Concen: 293.25 ug/l
 RT: 2.30 min Scan# 281
 Delta R.T. 0.00 min
 Lab File: VX002275.D
 Acq: 04 Jun 2018 22:20

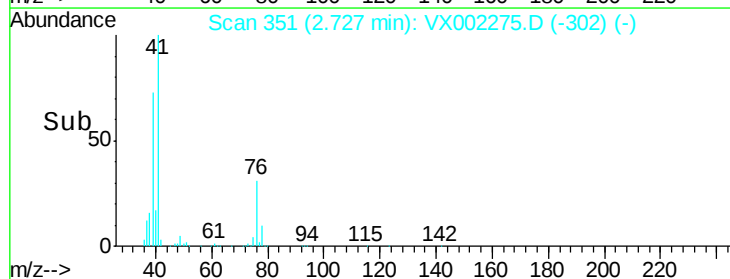
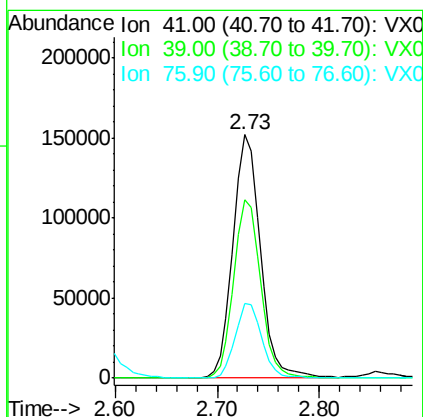
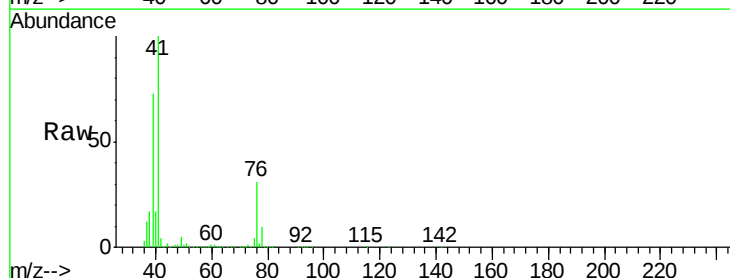
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 56 Resp: 101826
 Ion Ratio Lower Upper
 56 100
 55 71.4 57.0 85.4



#14
 Allyl chloride
 Concen: 49.79 ug/l
 RT: 2.73 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VX002275.D
 Acq: 04 Jun 2018 22:20

Tgt Ion: 41 Resp: 282908
 Ion Ratio Lower Upper
 41 100
 39 71.5 56.8 85.2
 76 29.6 23.8 35.8





#15

Acrylonitrile

Concen: 301.39 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

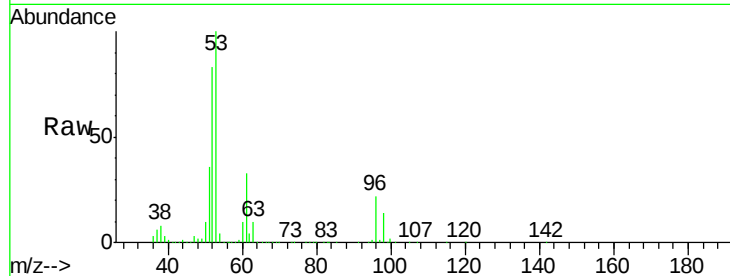
Tot Ion: 53 Resp: 448194

Ion Ratio Lower Upper

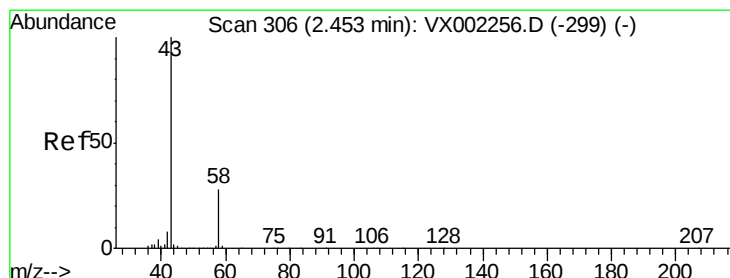
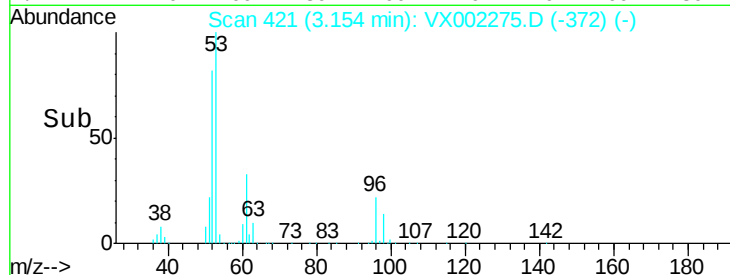
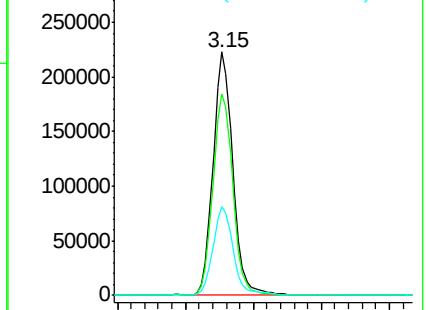
53 100

52 83.2 66.7 100.1

51 37.2 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 277.36 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002275.D

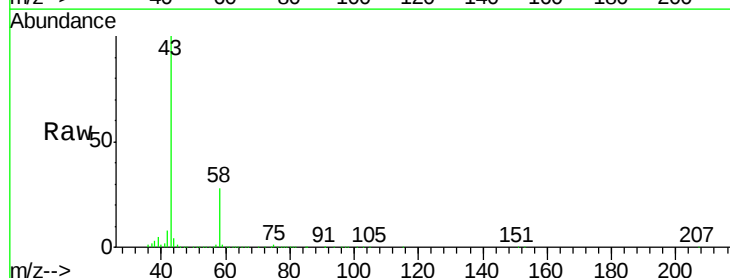
Acq: 04 Jun 2018 22:20

Tgt Ion: 43 Resp: 416395

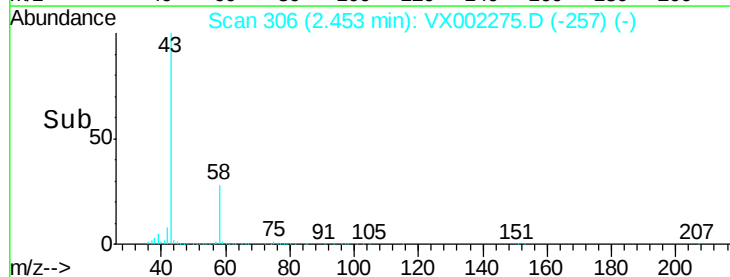
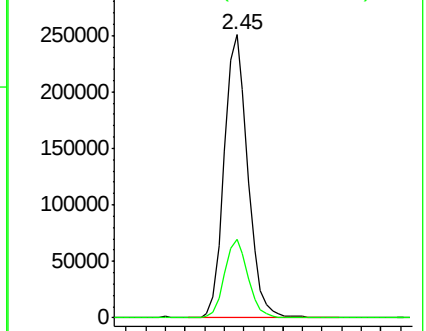
Ion Ratio Lower Upper

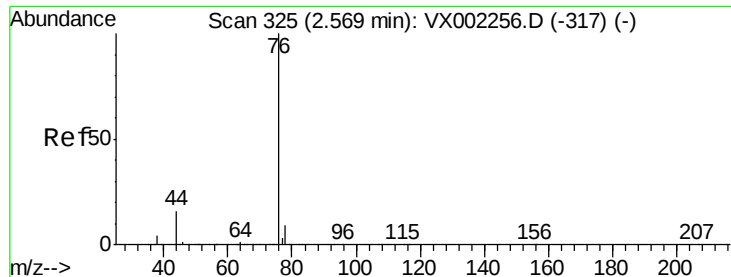
43 100

58 27.8 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

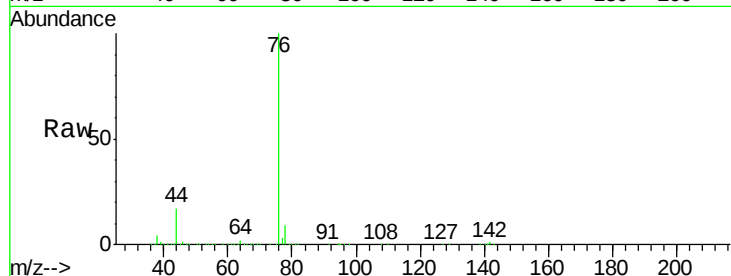




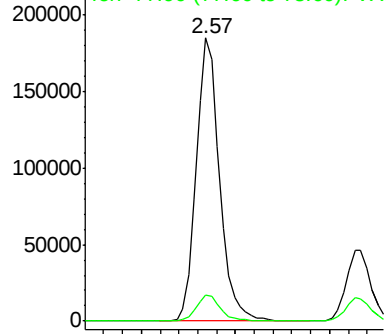
#17
Carbon Disulfide
Concen: 45.96 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX002275.D
Acq: 04 Jun 2018 22:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

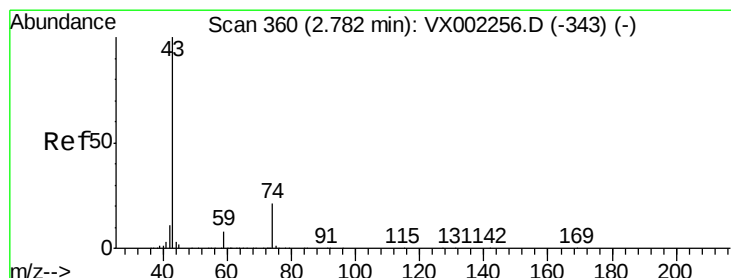
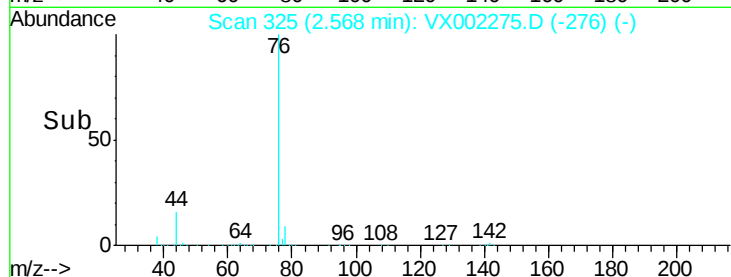
Tot Ion: 76 Resp: 317167
Ion Ratio Lower Upper
76 100
78 9.0 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VX0
Ion 77.90 (77.60 to 78.60): VX0

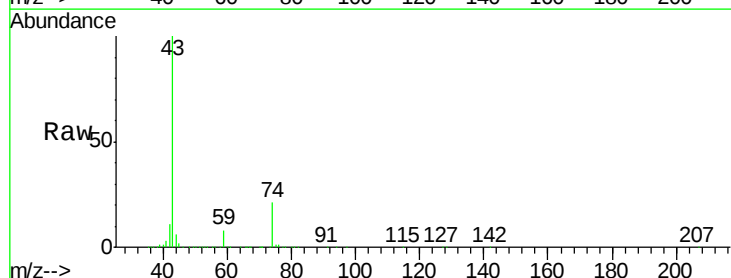


Time-->

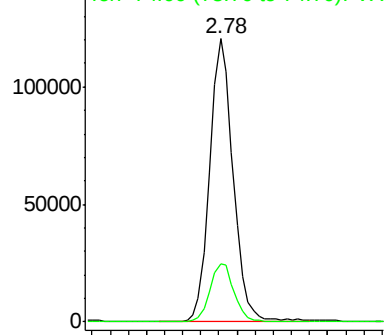


#18
Methyl Acetate
Concen: 61.20 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002275.D
Acq: 04 Jun 2018 22:20

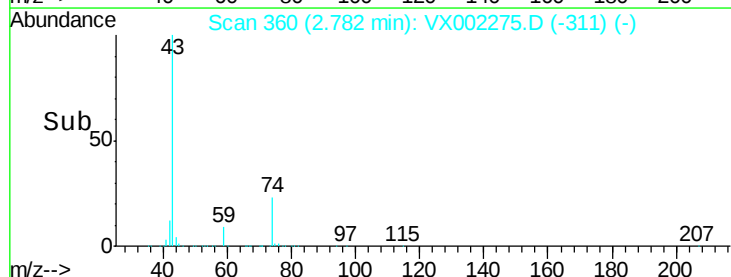
Tgt Ion: 43 Resp: 213534
Ion Ratio Lower Upper
43 100
74 21.7 16.7 25.1

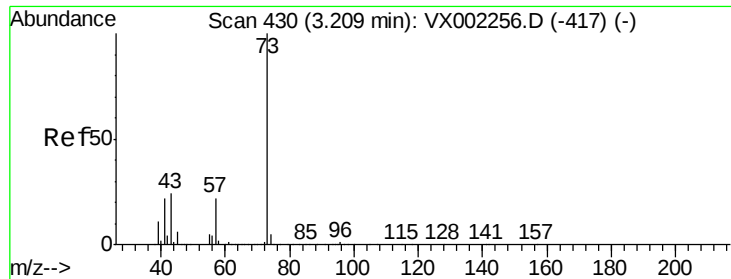


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 74.00 (73.70 to 74.70): VX0



Time-->

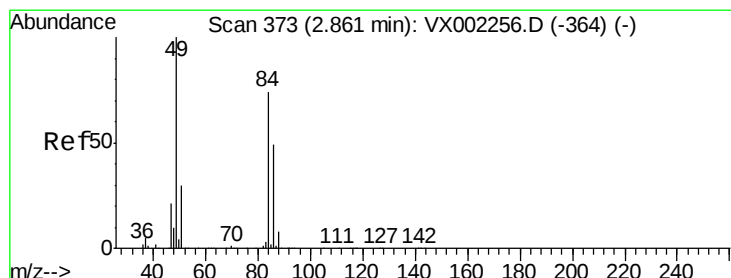
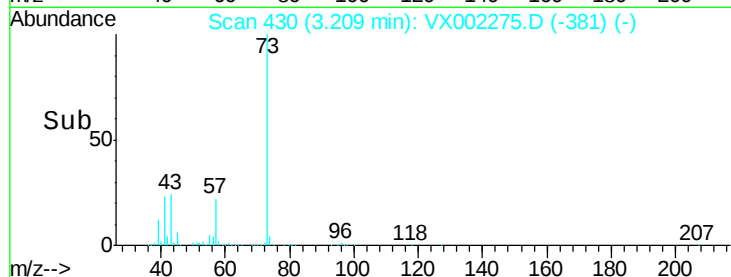
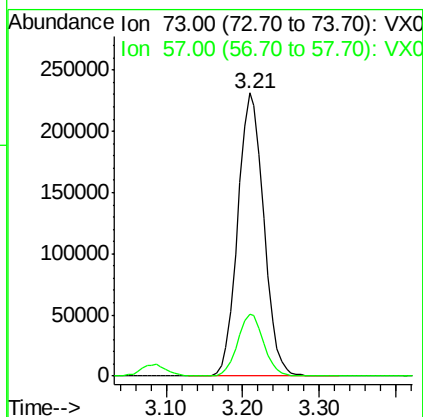
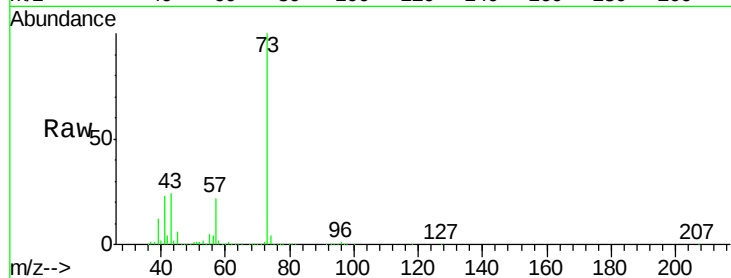




#19
Methvl tert-butvl Ether
Concen: 60.20 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002275.D
Acq: 04 Jun 2018 22:20

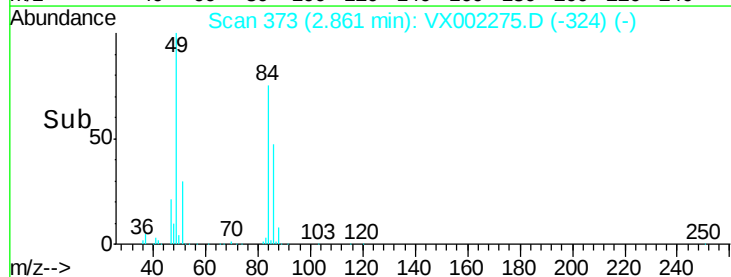
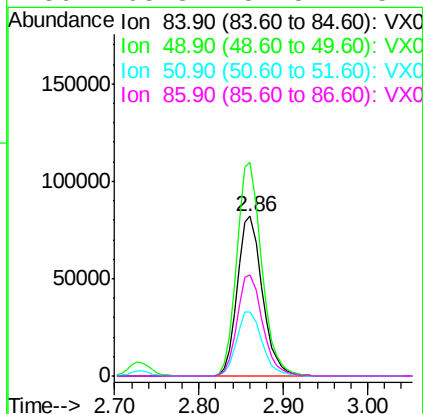
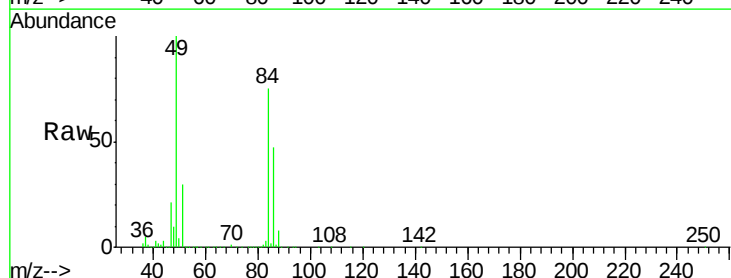
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

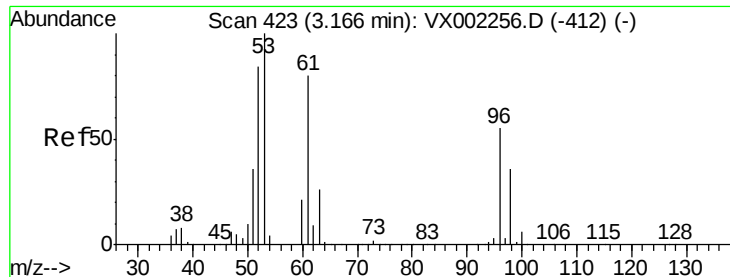
Tot Ion: 73 Resp: 544507
Ion Ratio Lower Upper
73 100
57 21.8 17.7 26.5



#20
Methylene Chloride
Concen: 59.42 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002275.D
Acq: 04 Jun 2018 22:20

Tgt Ion: 84 Resp: 163820
Ion Ratio Lower Upper
84 100
49 133.9 107.8 161.6
51 40.1 32.8 49.2
86 63.3 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 50.87 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

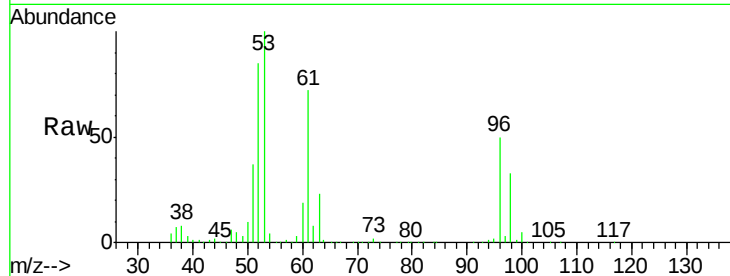
Tot Ion: 96 Resp: 146895

Ion Ratio Lower Upper

96 100

61 145.0 117.0 175.4

98 65.7 52.4 78.6



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0

150000

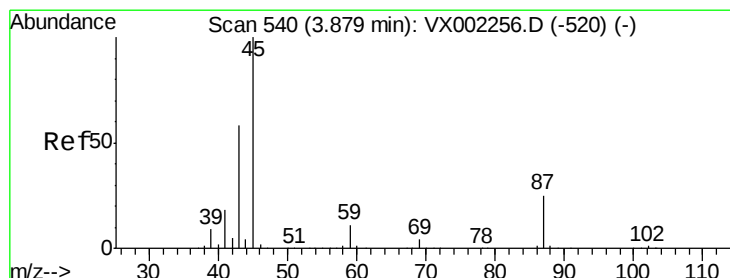
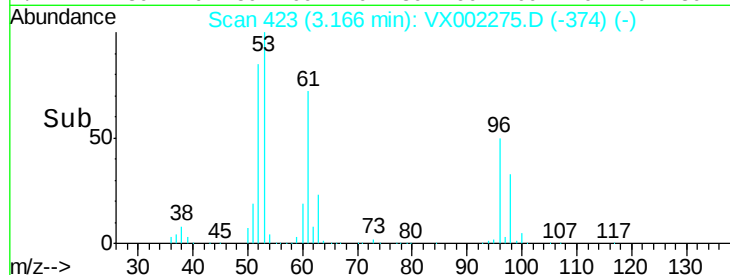
100000

50000

0

3.17

Time-->



#22

Diisopropyl ether

Concen: 55.85 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

Tgt Ion: 45 Resp: 528575

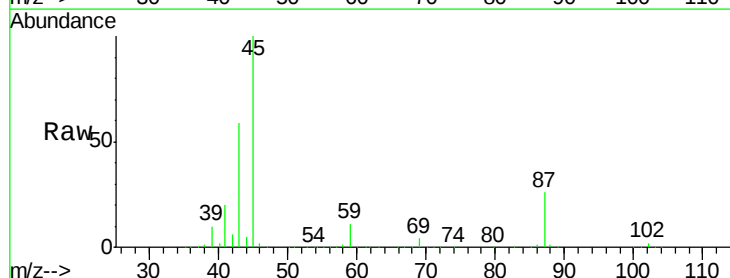
Ion Ratio Lower Upper

45 100

43 59.4 46.8 70.2

87 26.2 20.2 30.4

59 11.0 8.7 13.1



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0

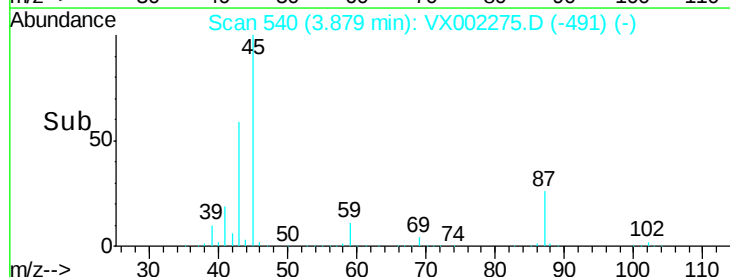
1000000

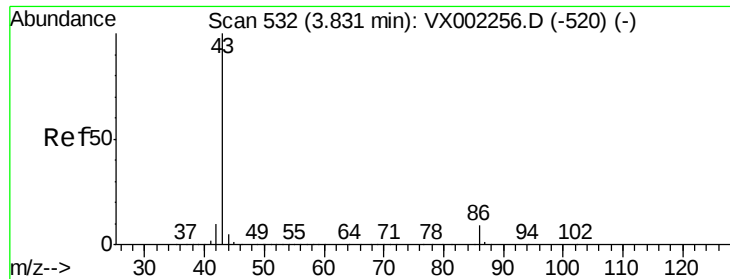
500000

0

3.88

Time-->





#23

Vinyl Acetate

Concen: 250.63 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

Instrument :

MSVOA_X

ClientSampleId :

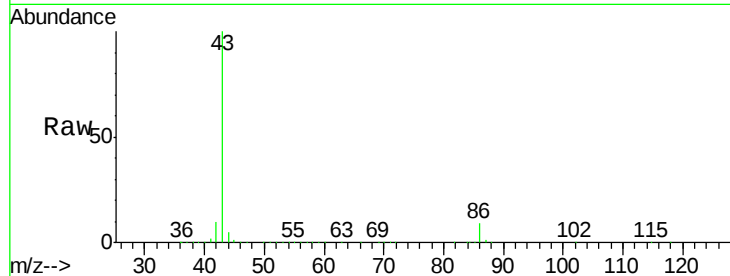
VSTDCCC050

Tot Ion: 43 Resp: 2308778

Ion Ratio Lower Upper

43 100

86 9.2 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.83

800000

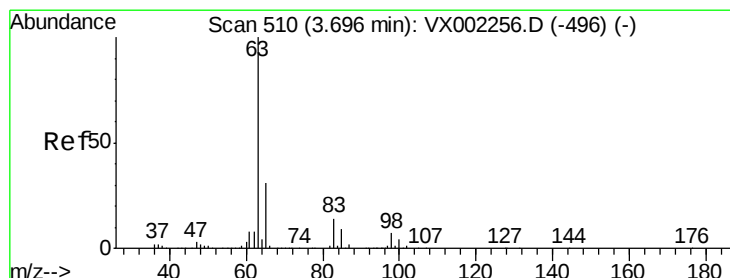
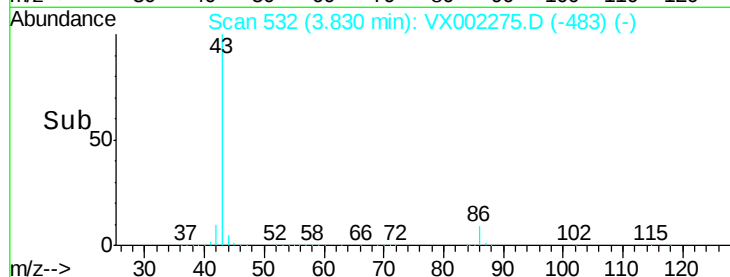
600000

400000

200000

0

Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 46.73 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

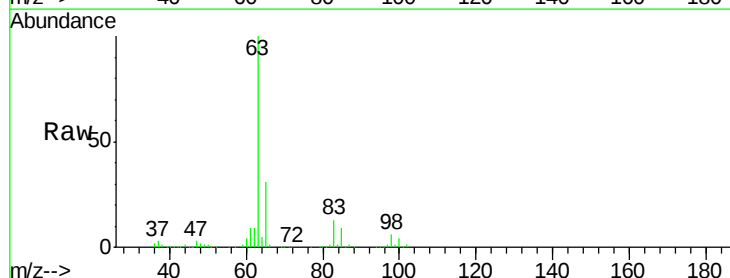
Tgt Ion: 63 Resp: 262436

Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.2

100 3.9 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

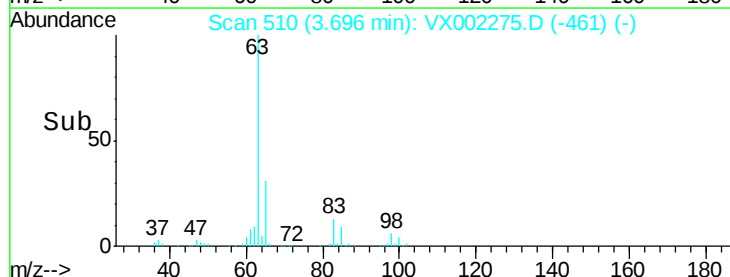
150000

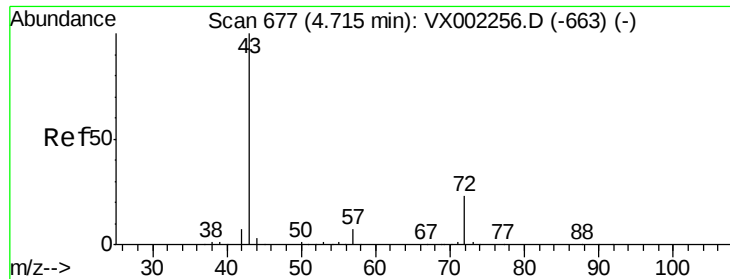
100000

50000

0

Time--> 3.60 3.70 3.80 3.90





#25

2-Butanone

Concen: 250.53 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

Instrument :

MSVOA_X

ClientSampleId :

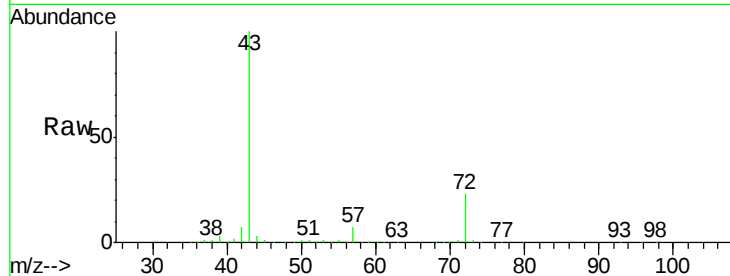
VSTDCCC050

Tot Ion: 43 Resp: 604213

Ion Ratio Lower Upper

43 100

72 22.6 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

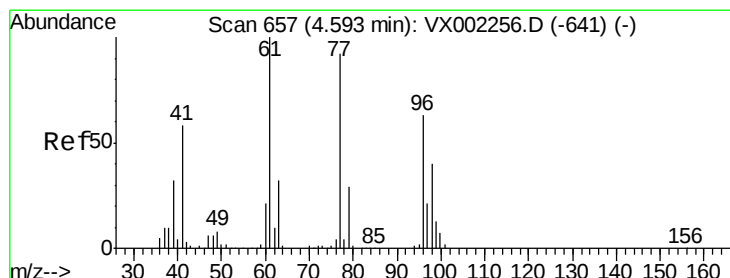
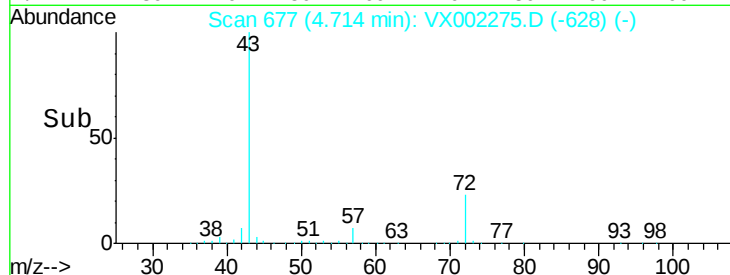
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 42.55 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX002275.D

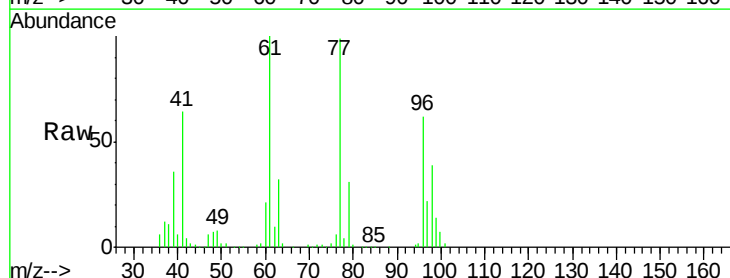
Acq: 04 Jun 2018 22:20

Tgt Ion: 77 Resp: 186793

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

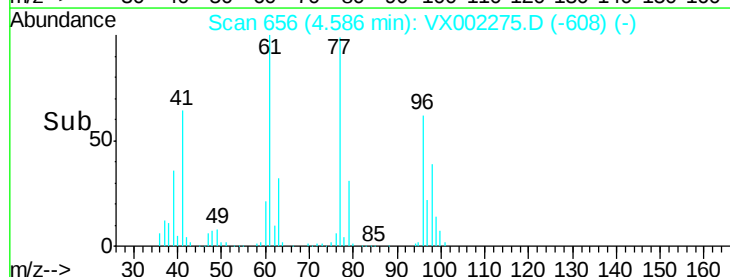
40000

20000

0

4.50 4.60 4.70

Time-->





#27

cis-1,2-Dichloroethene

Concen: 49.79 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

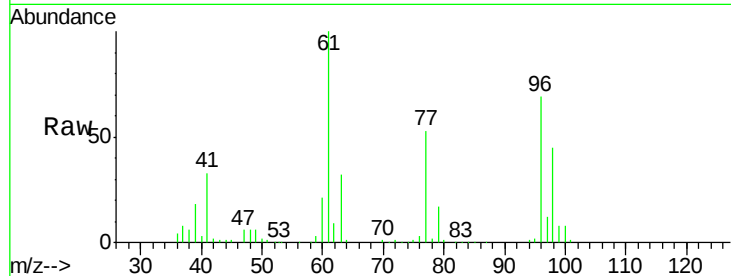
Tot Ion: 96 Resp: 156345

Ion Ratio Lower Upper

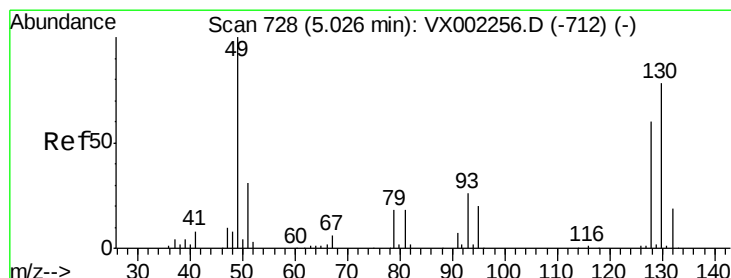
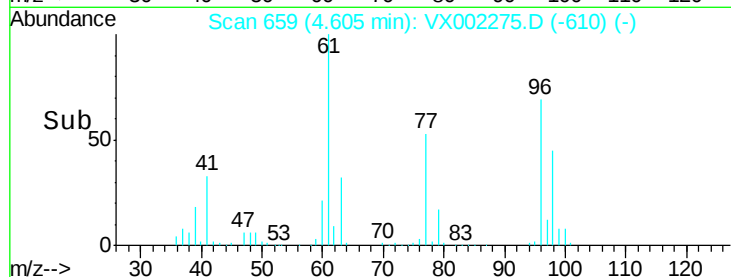
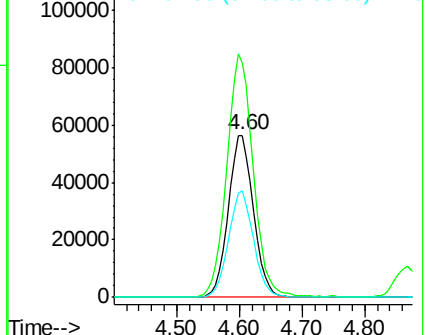
96 100

61 158.6 0.0 330.2

98 65.1 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 59.12 ug/l

RT: 5.03 min Scan# 728

Delta R.T. 0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

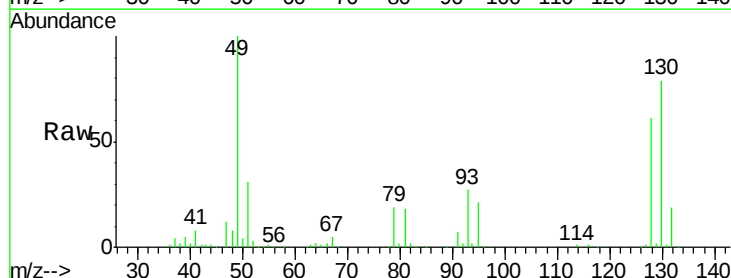
Tgt Ion: 49 Resp: 139657

Ion Ratio Lower Upper

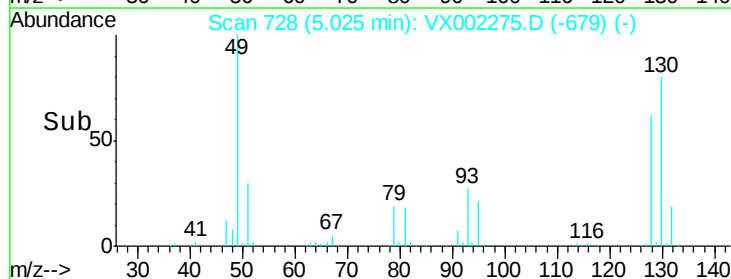
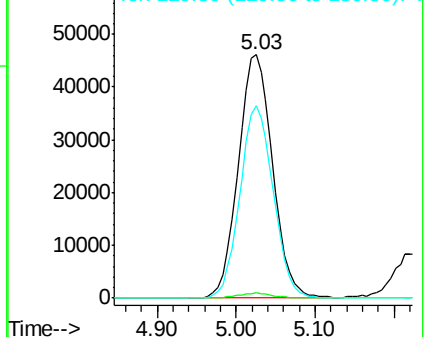
49 100

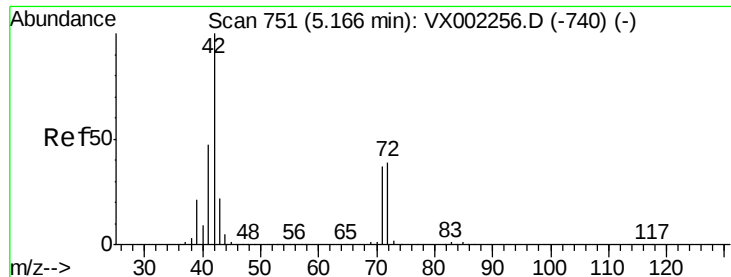
129 2.1 0.0 4.2

130 76.8 61.2 91.8



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 256.44 ug/l

RT: 5.17 min Scan# 751

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

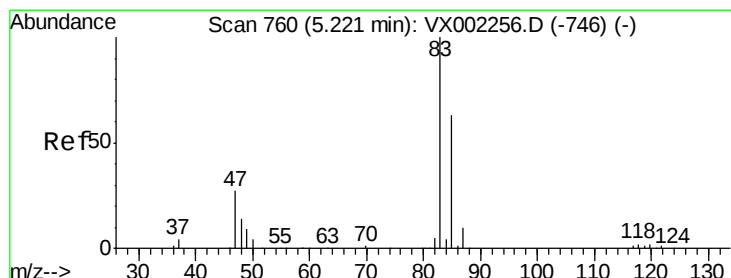
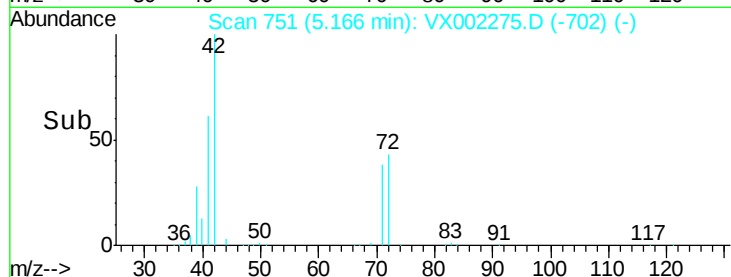
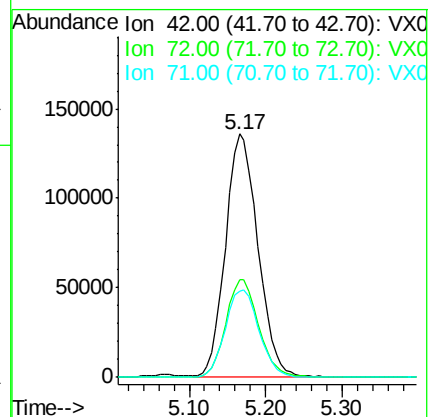
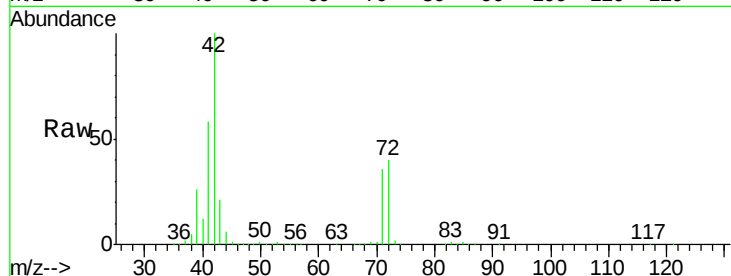
Tot Ion: 42 Resp: 398747

Ion Ratio Lower Upper

42 100

72 40.7 32.0 48.0

71 37.4 30.1 45.1



#30

Chloroform

Concen: 51.29 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX002275.D

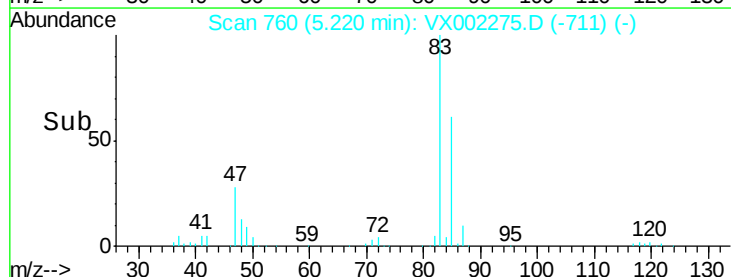
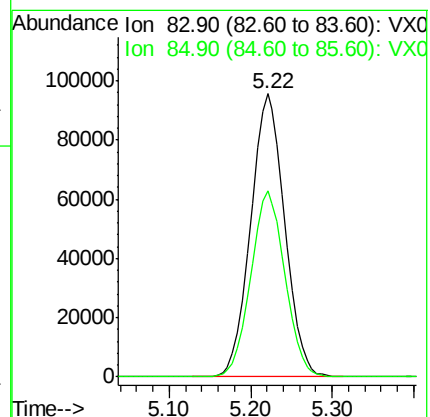
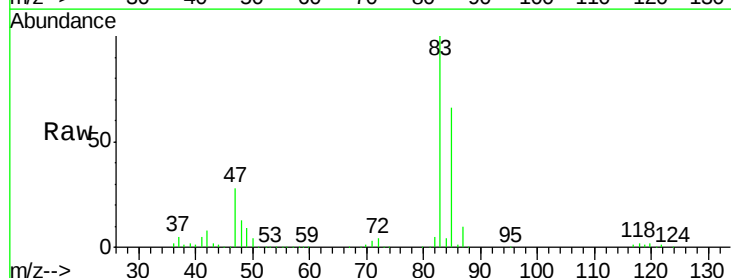
Acq: 04 Jun 2018 22:20

Tgt Ion: 83 Resp: 277959

Ion Ratio Lower Upper

83 100

85 65.5 50.4 75.6





#31

Cyclohexane

Concen: 45.84 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

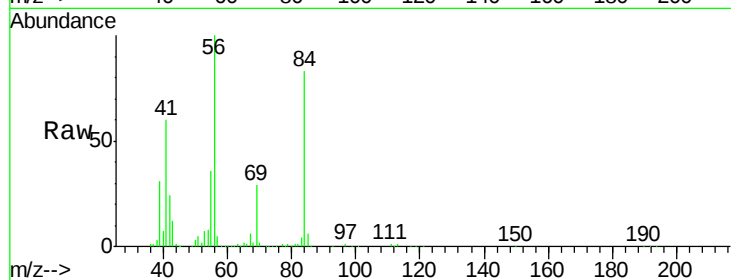
Tot Ion: 56 Resp: 203576

Ion Ratio Lower Upper

56 100

69 29.3 23.7 35.5

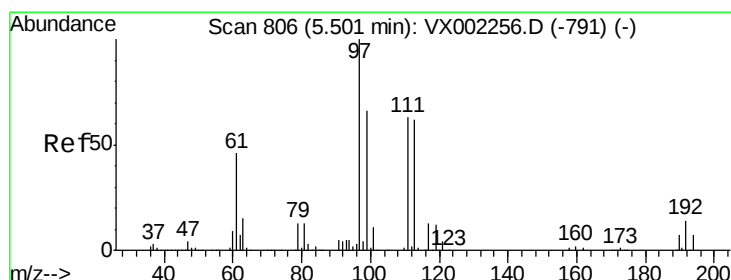
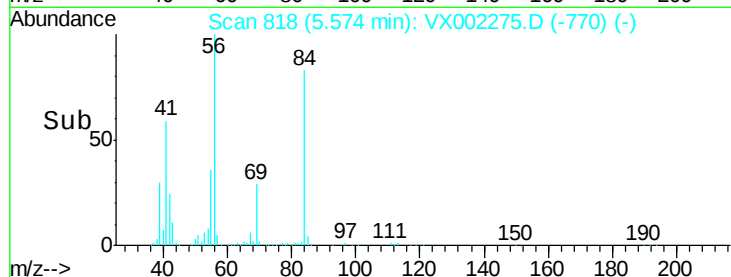
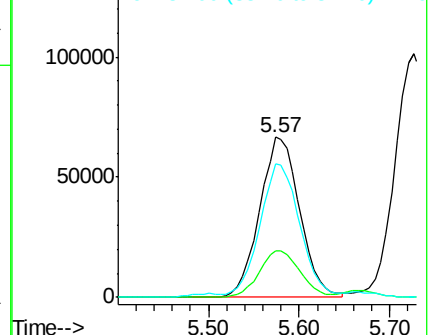
84 81.3 64.1 96.1



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 50.69 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

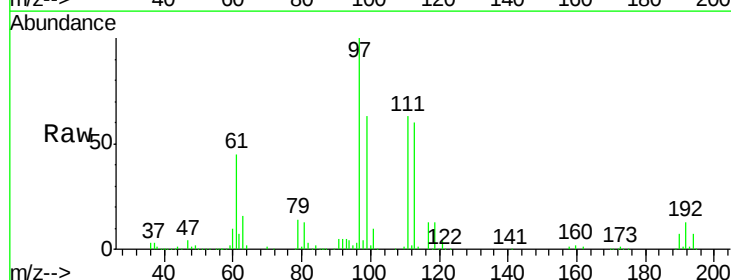
Tgt Ion: 97 Resp: 232978

Ion Ratio Lower Upper

97 100

99 63.2 51.6 77.4

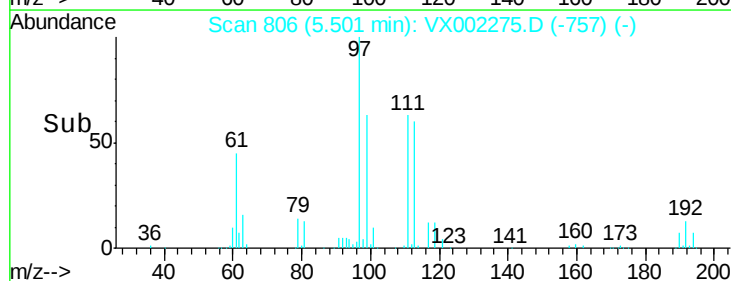
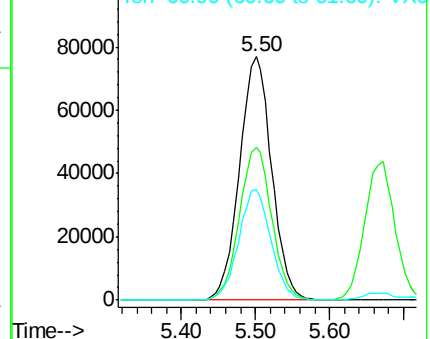
61 45.7 36.4 54.6



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

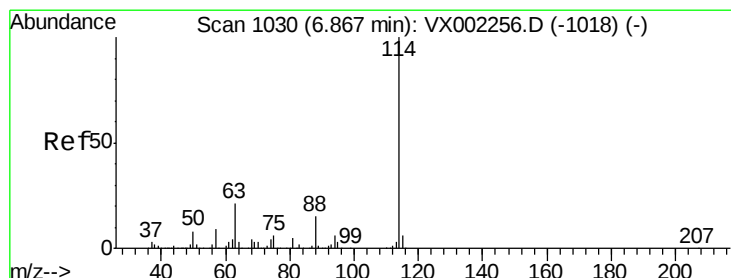
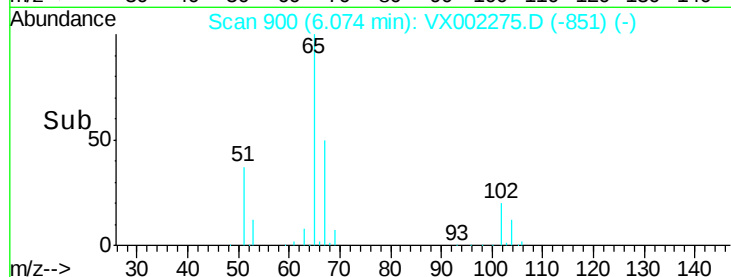
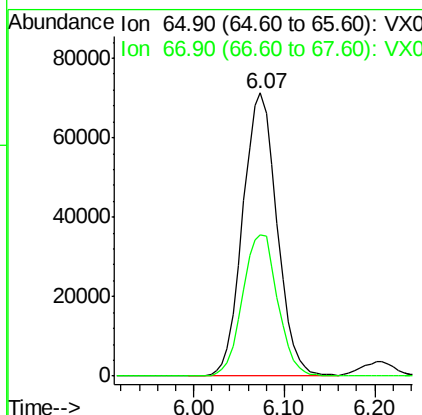
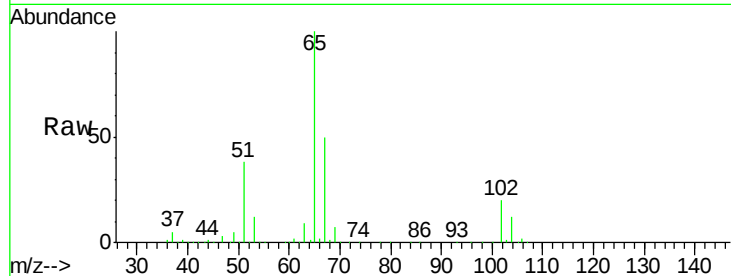




#33
 1,2-Dichloroethane-d4
 Concen: 53.25 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX002275.D
 Acq: 04 Jun 2018 22:20

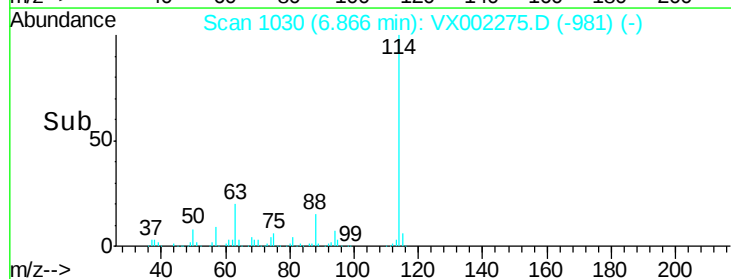
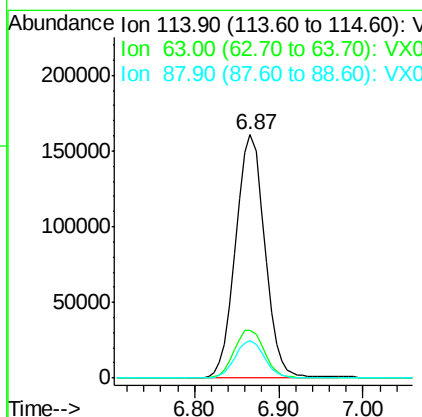
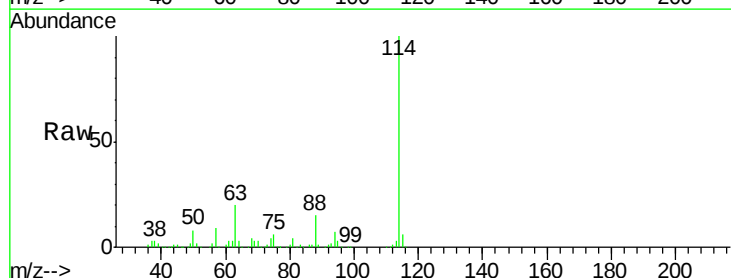
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

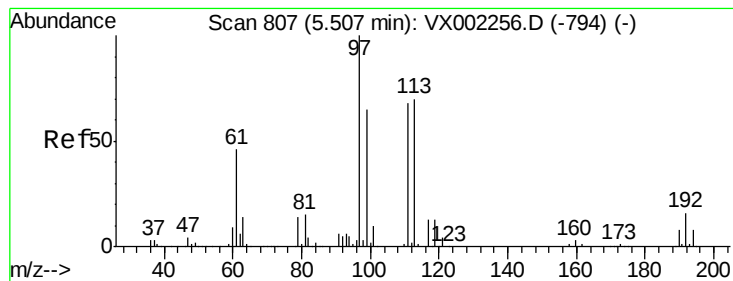
Tot Ion: 65 Resp: 186493
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002275.D
 Acq: 04 Jun 2018 22:20

Tgt Ion: 114 Resp: 376818
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 41.4
 88 15.5 0.0 30.0





#35

Dibromofluoromethane

Concen: 48.00 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

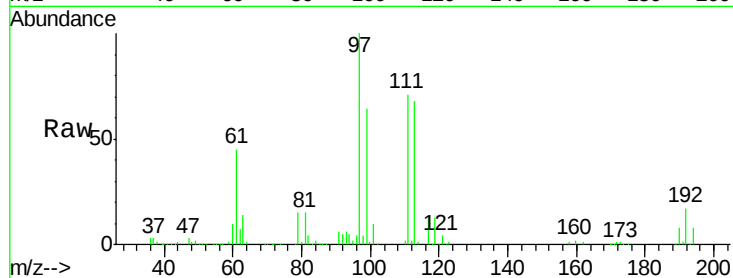
Tot Ion:113 Resp: 142236

Ion Ratio Lower Upper

113 100

111 102.9 81.4 122.0

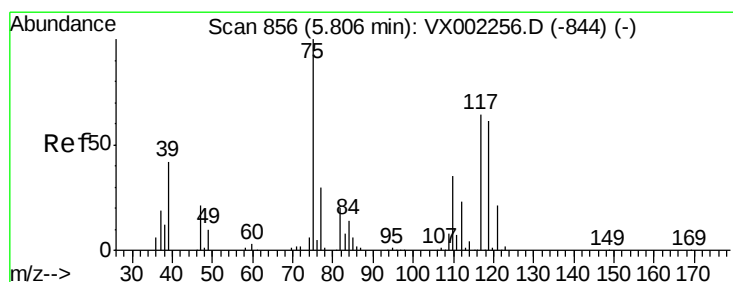
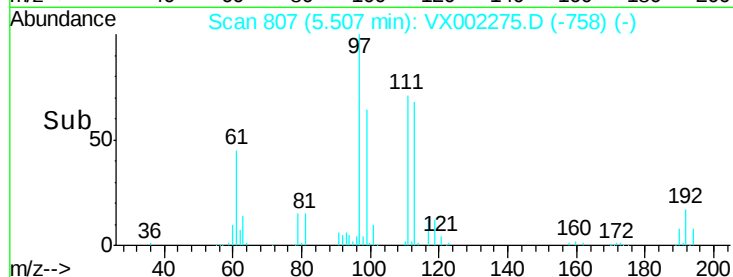
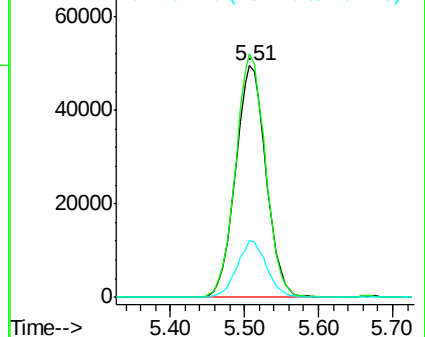
192 23.7 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.26 ug/l

RT: 5.81 min Scan# 856

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

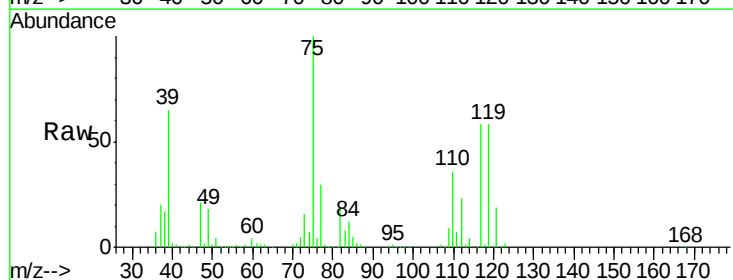
Tgt Ion: 75 Resp: 187229

Ion Ratio Lower Upper

75 100

110 36.7 18.1 54.4

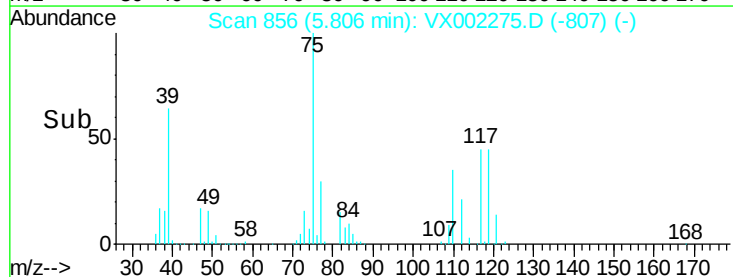
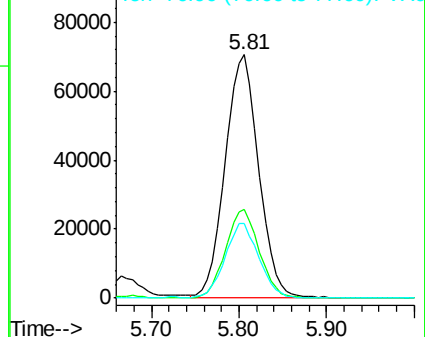
77 30.9 24.3 36.5

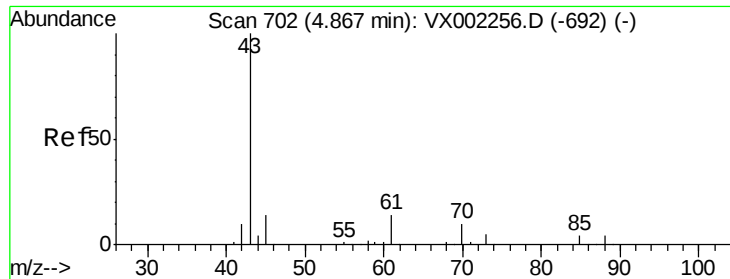


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 50.73 ug/l

RT: 4.87 min Scan# 702

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

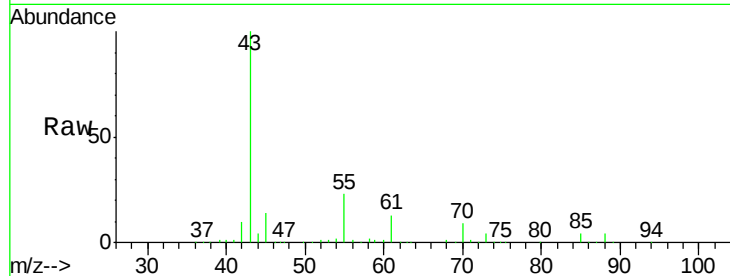
Tot Ion: 43 Resp: 241681

Ion Ratio Lower Upper

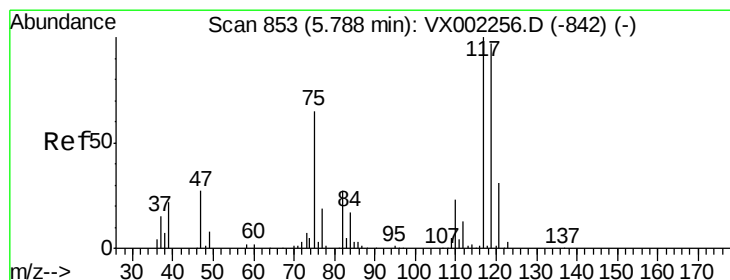
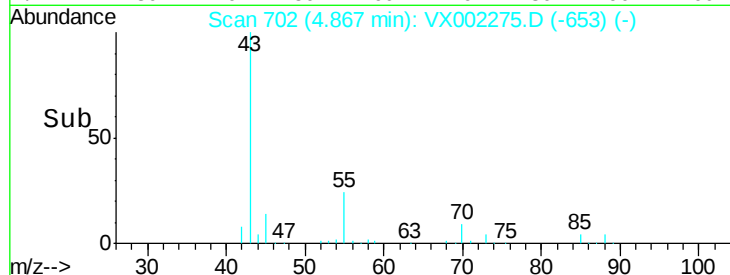
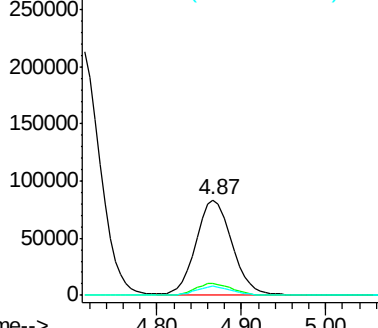
43 100

61 12.2 10.4 15.6

70 9.2 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 47.05 ug/l

RT: 5.79 min Scan# 853

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

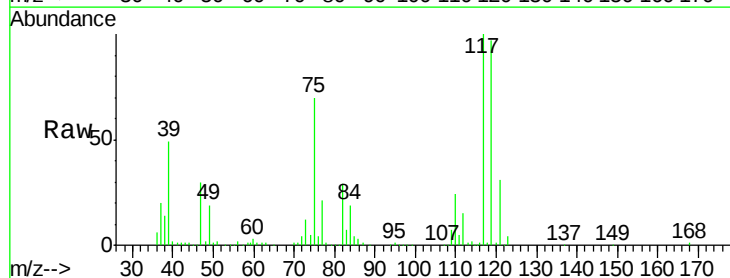
Tgt Ion: 117 Resp: 194981

Ion Ratio Lower Upper

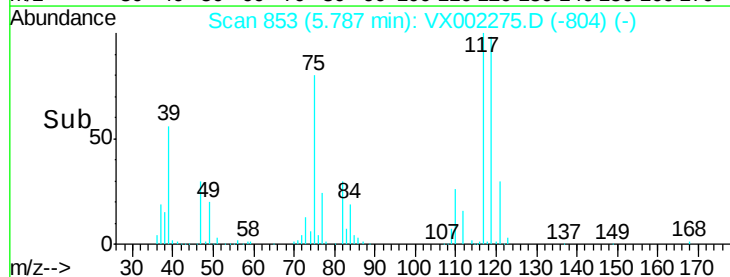
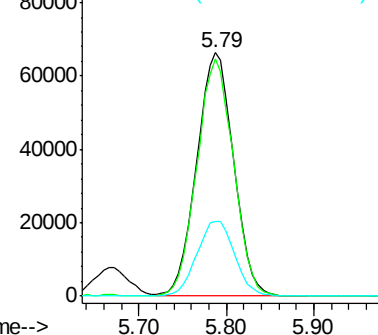
117 100

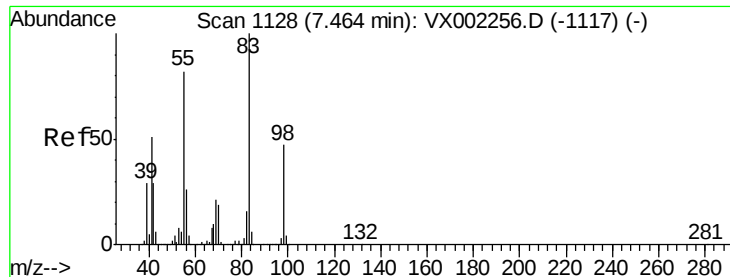
119 97.2 77.4 116.0

121 30.5 24.4 36.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

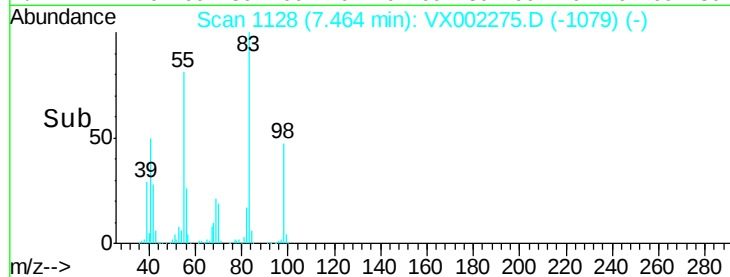
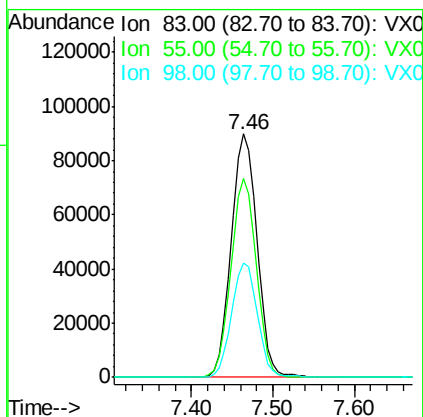
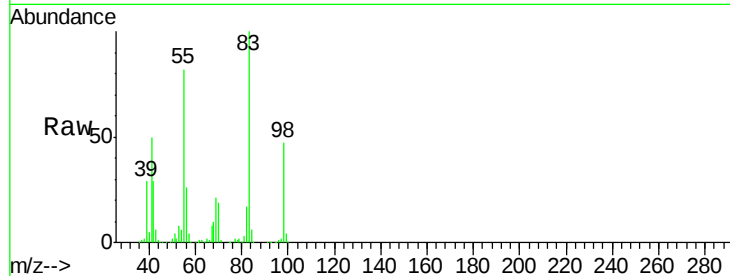




#39
Methvlcvclohexane
Concen: 40.12 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002275.D
Acq: 04 Jun 2018 22:20

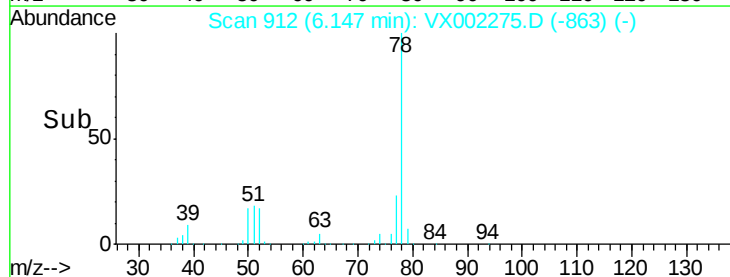
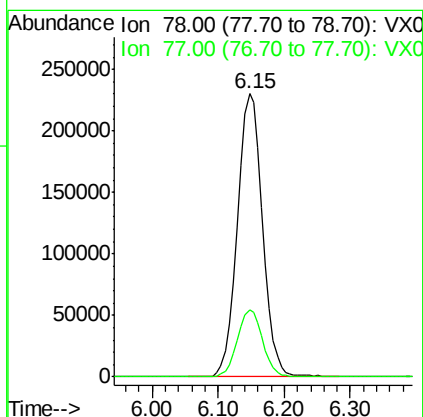
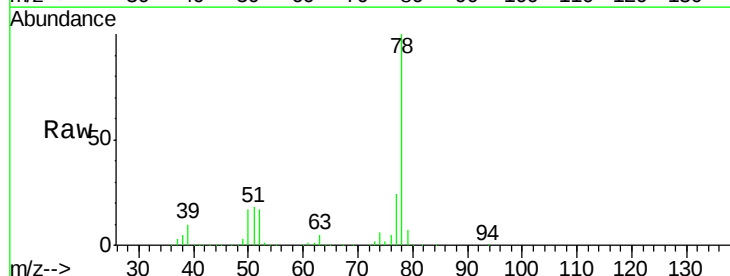
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

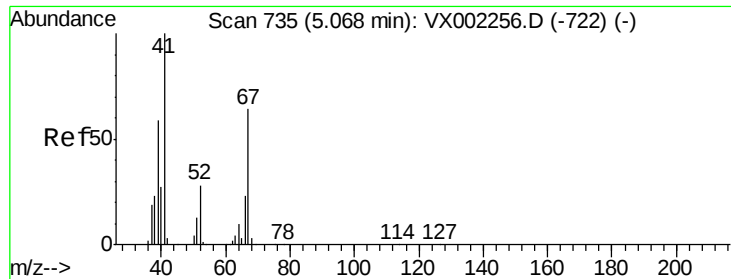
Tot Ion: 83 Resp: 196117
Ion Ratio Lower Upper
83 100
55 81.5 65.4 98.0
98 47.0 37.4 56.0



#40
Benzene
Concen: 49.94 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002275.D
Acq: 04 Jun 2018 22:20

Tgt Ion: 78 Resp: 606545
Ion Ratio Lower Upper
78 100
77 23.8 19.1 28.7





#41

Methacrylonitrile

Concen: 49.97 ug/l

RT: 5.07 min Scan# 735

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 136288

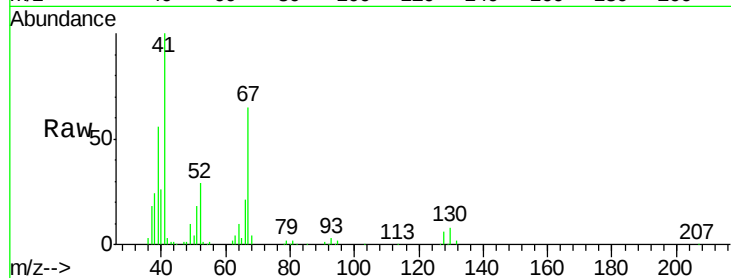
Ion Ratio Lower Upper

41 100

39 56.8 45.8 68.6

67 65.2 51.3 76.9

52 28.1 23.0 34.6

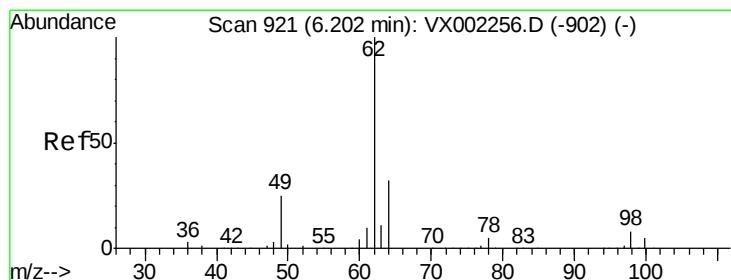
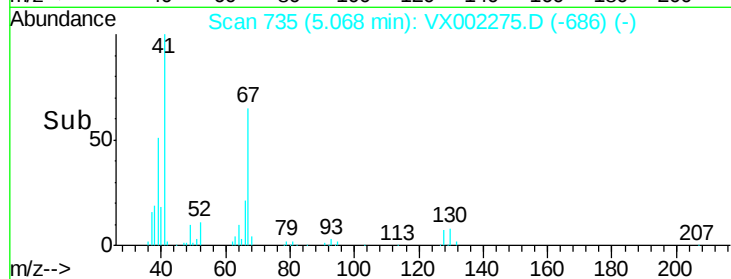
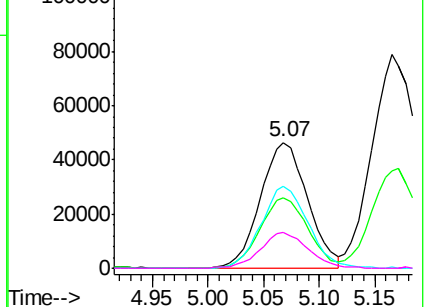


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 50.52 ug/l

RT: 6.20 min Scan# 921

Delta R.T. -0.00 min

Lab File: VX002275.D

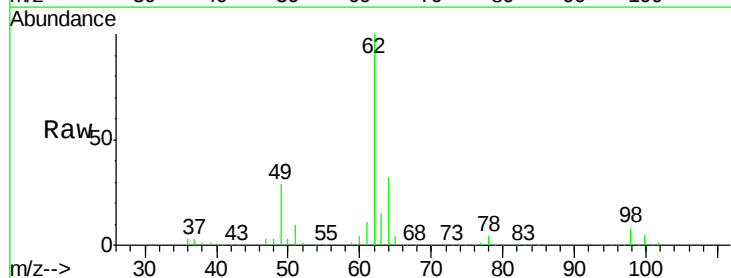
Acq: 04 Jun 2018 22:20

Tgt Ion: 62 Resp: 243791

Ion Ratio Lower Upper

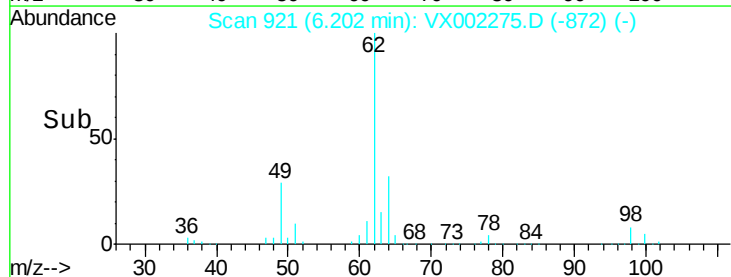
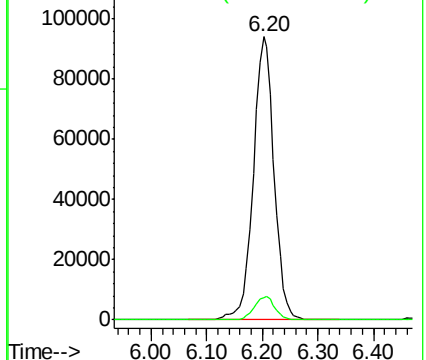
62 100

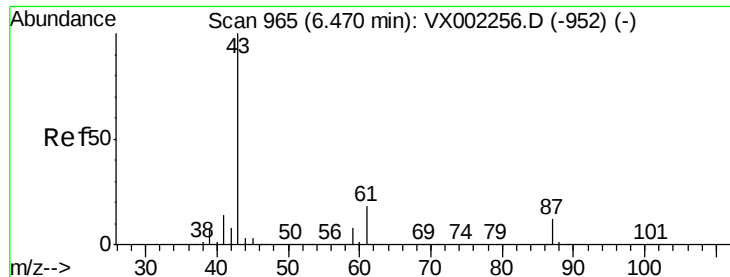
98 8.3 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 49.77 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

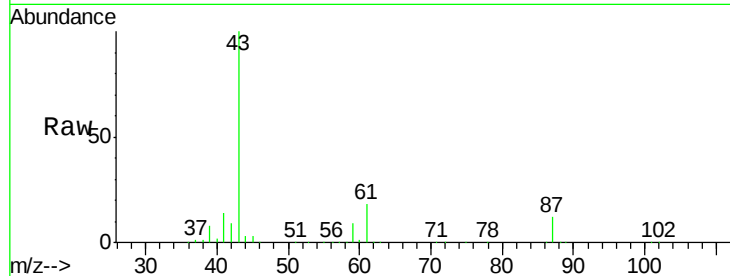
Tot Ion: 43 Resp: 402717

Ion Ratio Lower Upper

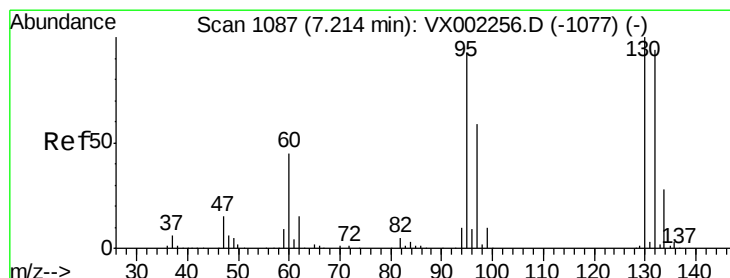
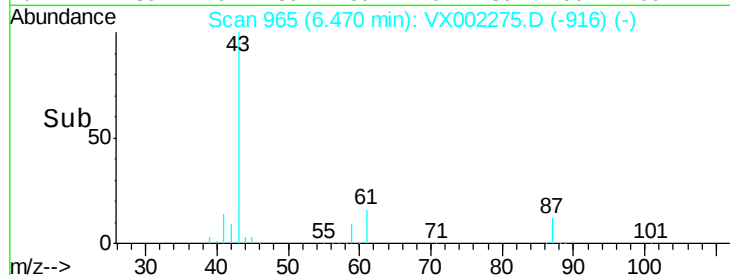
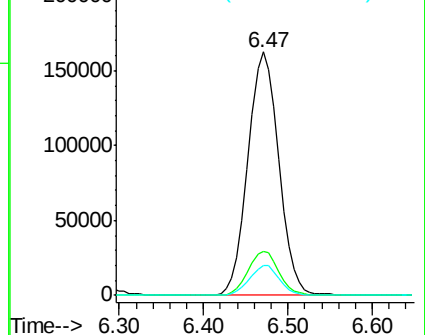
43 100

61 18.0 14.4 21.6

87 12.0 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 50.60 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX002275.D

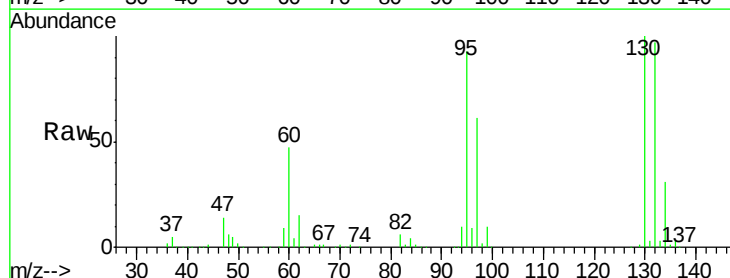
Acq: 04 Jun 2018 22:20

Tgt Ion:130 Resp: 170563

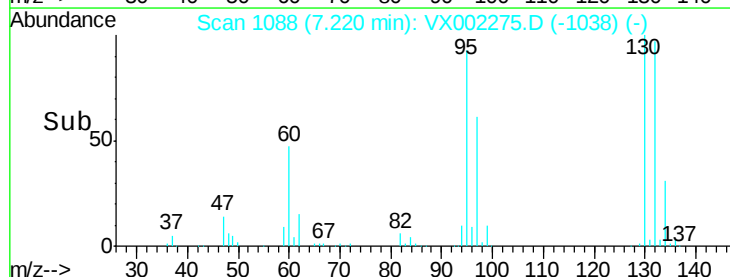
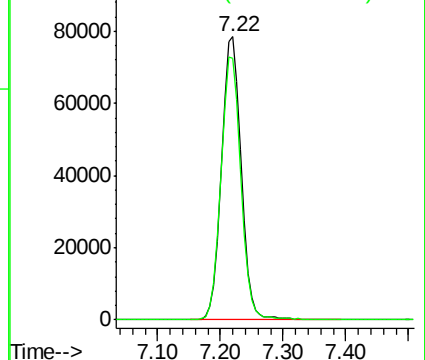
Ion Ratio Lower Upper

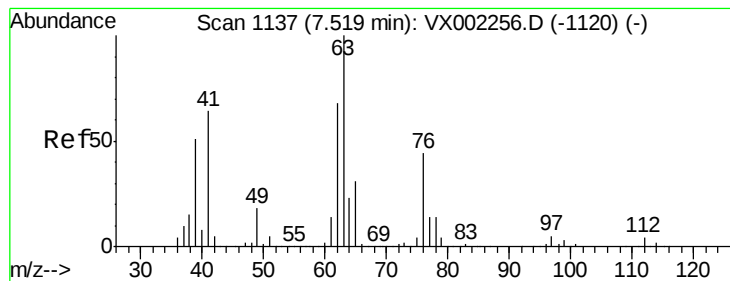
130 100

95 92.6 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 49.50 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

Instrument :

MSVOA_X

ClientSampleId :

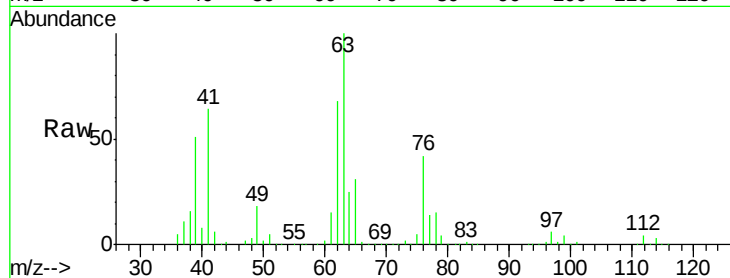
VSTDCCC050

Tot Ion: 63 Resp: 162324

Ion Ratio Lower Upper

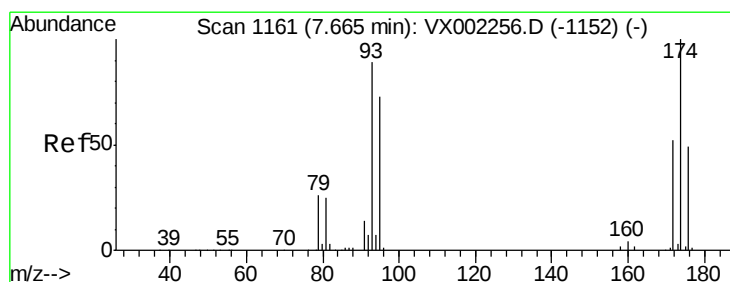
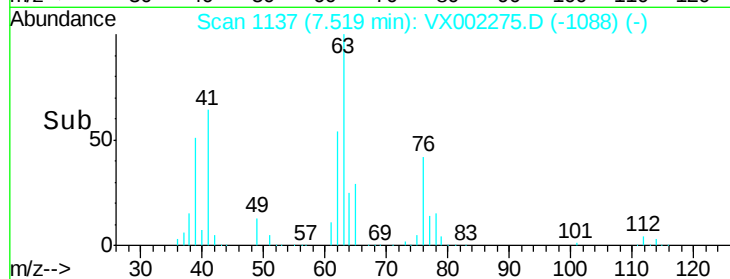
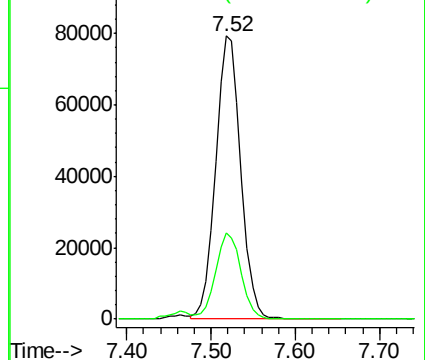
63 100

65 30.7 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 49.54 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

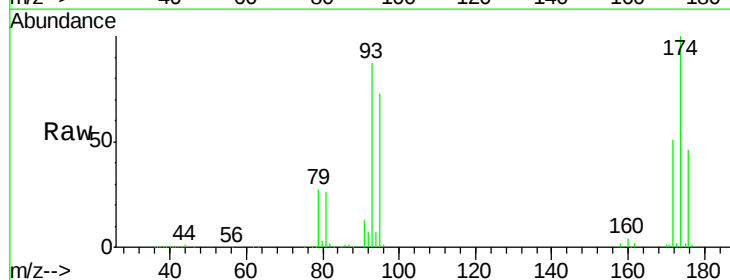
Tgt Ion: 93 Resp: 110128

Ion Ratio Lower Upper

93 100

95 83.5 65.9 98.9

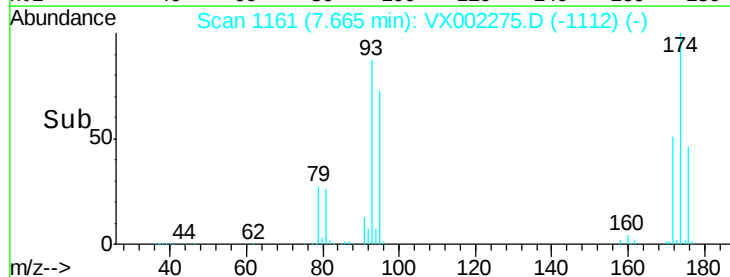
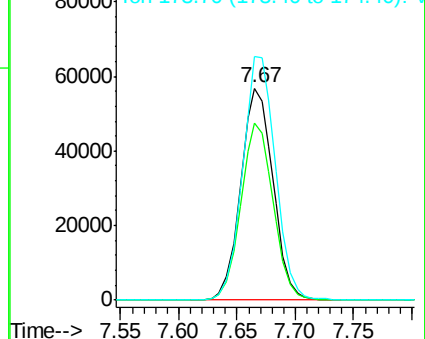
174 116.3 92.4 138.6



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

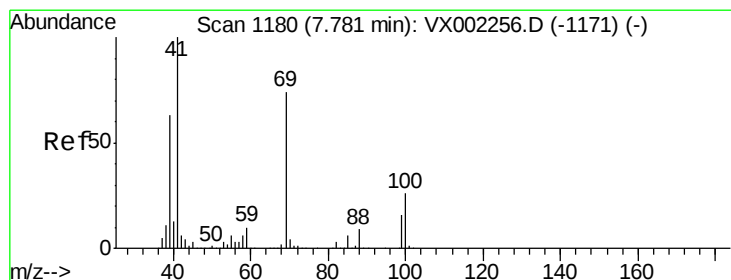
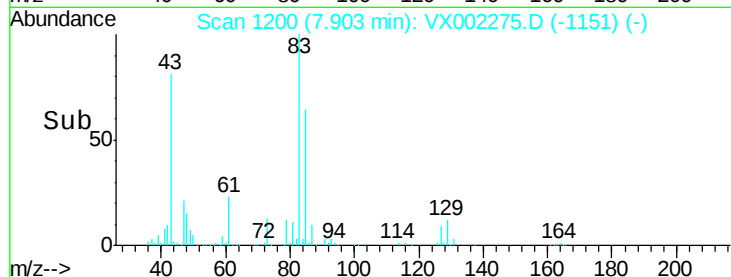
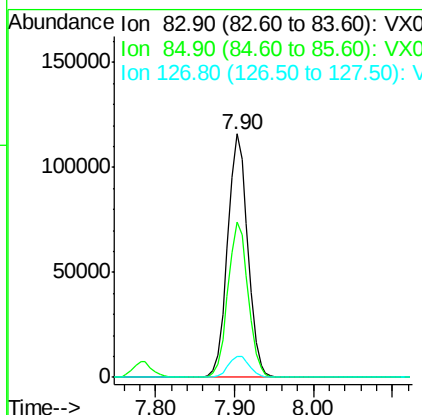
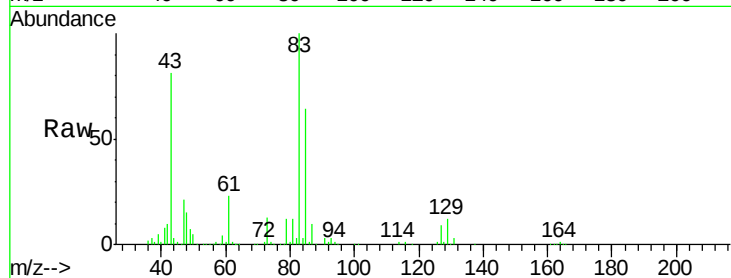




#47
Bromodichloromethane
Concen: 51.14 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VX002275.D
Acq: 04 Jun 2018 22:20

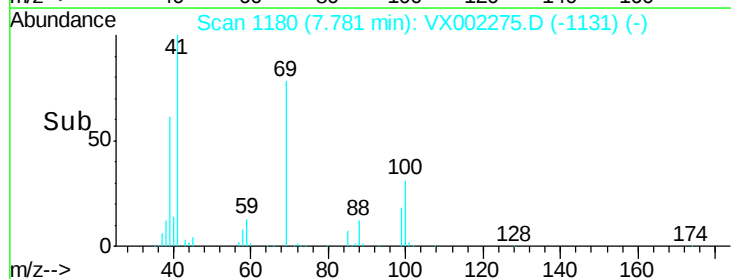
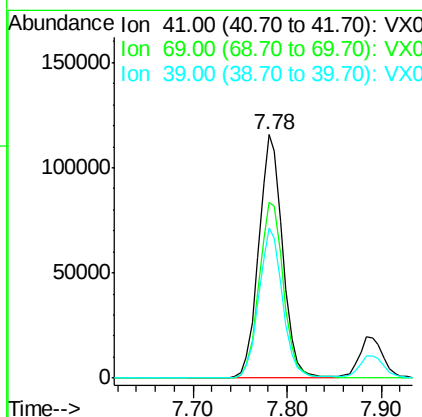
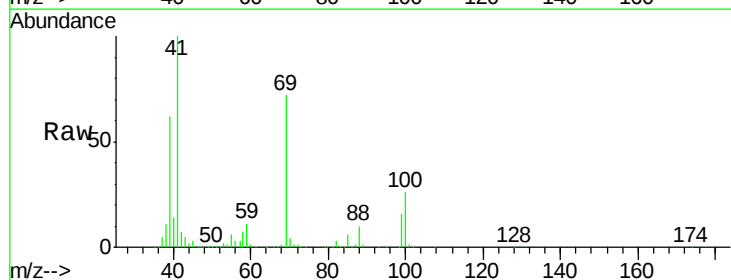
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

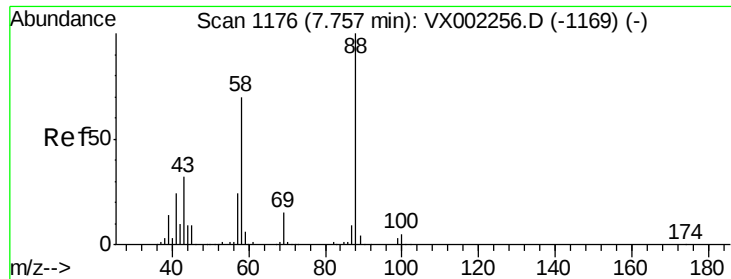
Tot Ion: 83 Resp: 205606
Ion Ratio Lower Upper
83 100
85 64.0 50.3 75.5
127 8.8 7.0 10.4



#48
Methyl methacrylate
Concen: 50.86 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VX002275.D
Acq: 04 Jun 2018 22:20

Tgt Ion: 41 Resp: 206737
Ion Ratio Lower Upper
41 100
69 74.3 59.1 88.7
39 61.2 48.9 73.3

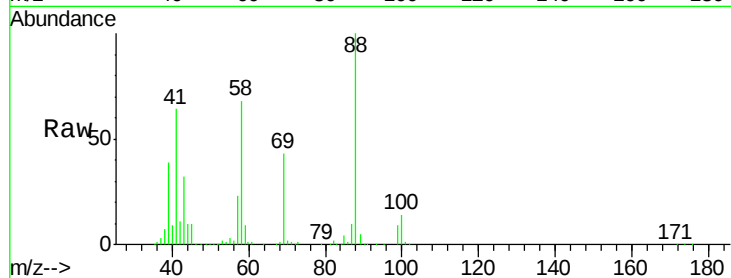




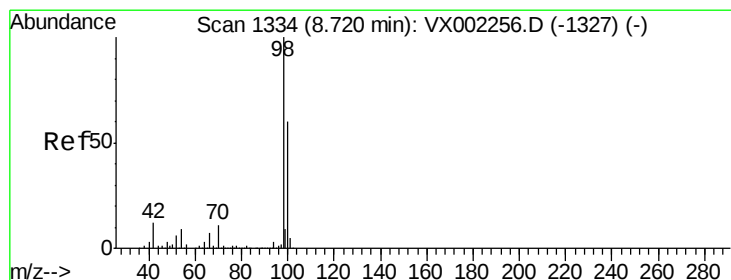
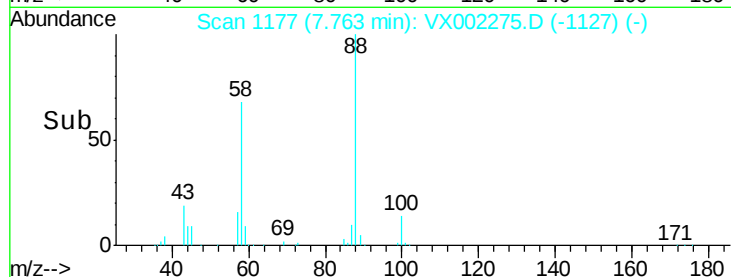
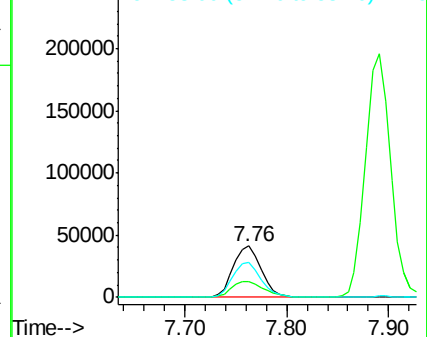
#49
 1,4-Dioxane
 Concen: 1039.50 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. 0.01 min
 Lab File: VX002275.D
 Acq: 04 Jun 2018 22:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 88 Resp: 79000
 Ion Ratio Lower Upper
 88 100
 43 35.8 29.8 44.6
 58 70.2 57.1 85.7

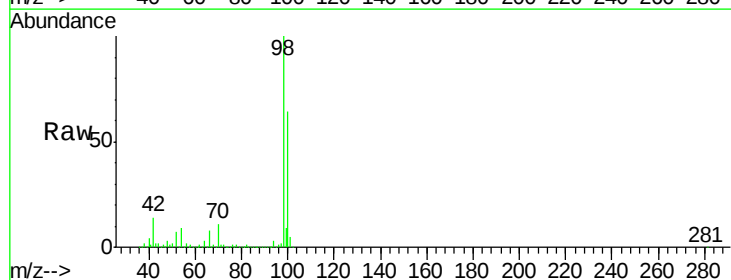


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

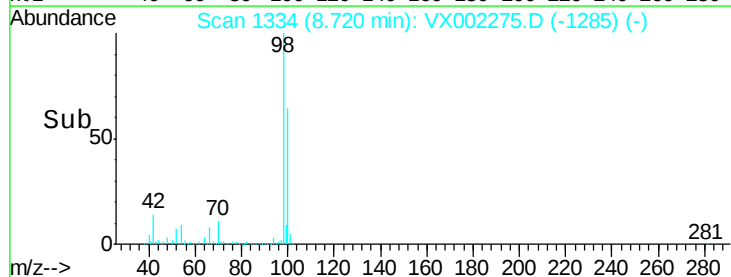
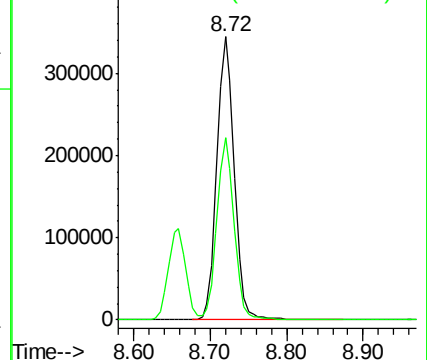


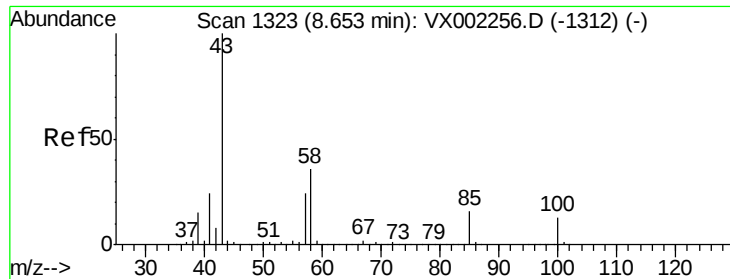
#50
 Toluene-d8
 Concen: 47.70 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VX002275.D
 Acq: 04 Jun 2018 22:20

Tgt Ion: 98 Resp: 541767
 Ion Ratio Lower Upper
 98 100
 100 63.8 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 259.05 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

Instrument :

MSVOA_X

ClientSampleId :

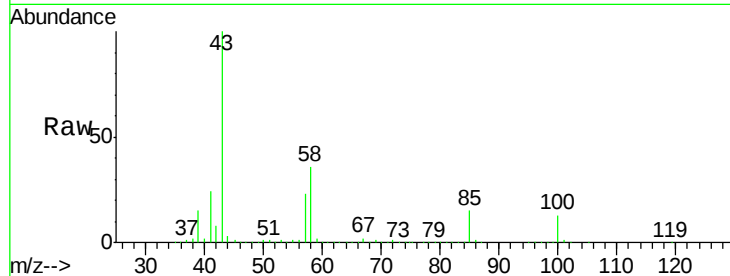
VSTDCCC050

Tot Ion: 43 Resp: 1305395

Ion Ratio Lower Upper

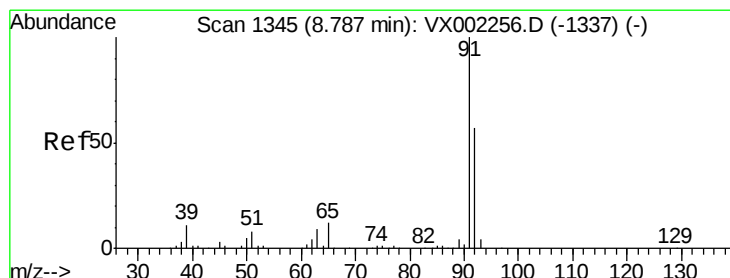
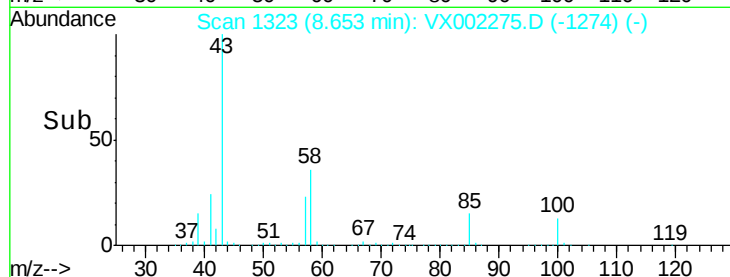
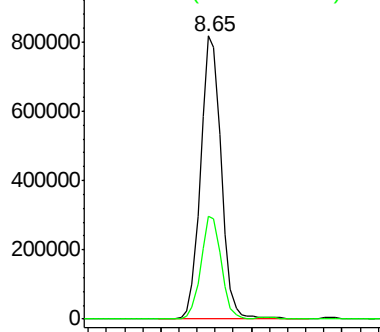
43 100

58 35.7 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 51.03 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002275.D

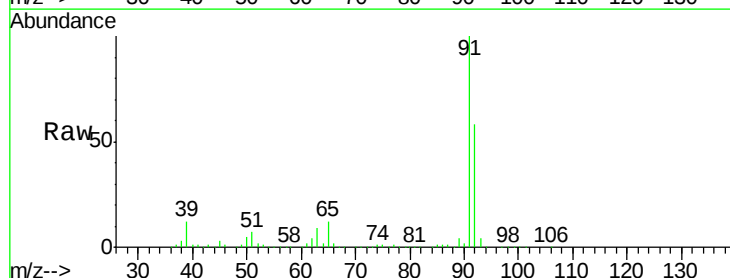
Acq: 04 Jun 2018 22:20

Tgt Ion: 92 Resp: 394240

Ion Ratio Lower Upper

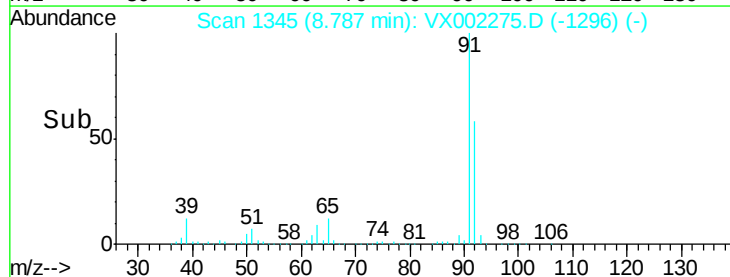
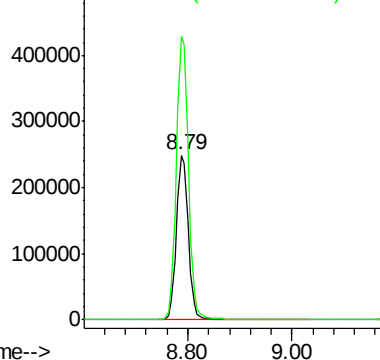
92 100

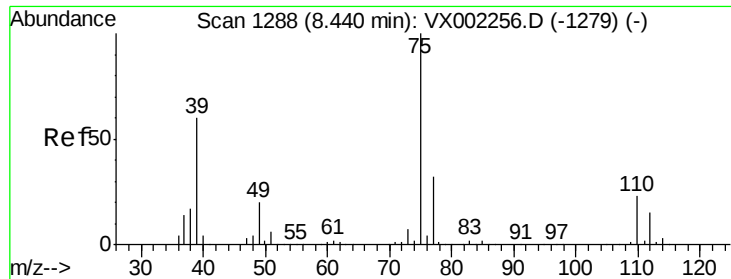
91 175.1 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 50.94 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

Instrument :

MSVOA_X

ClientSampleId :

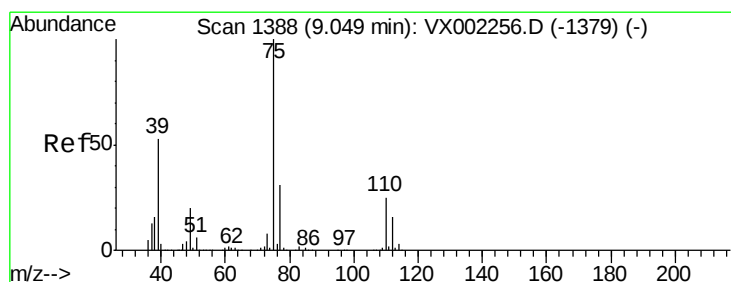
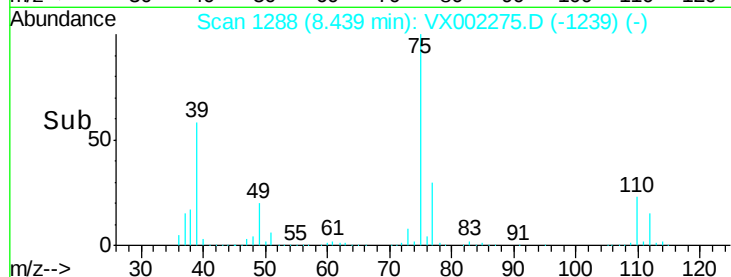
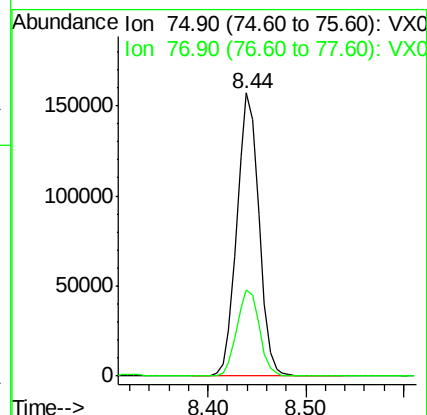
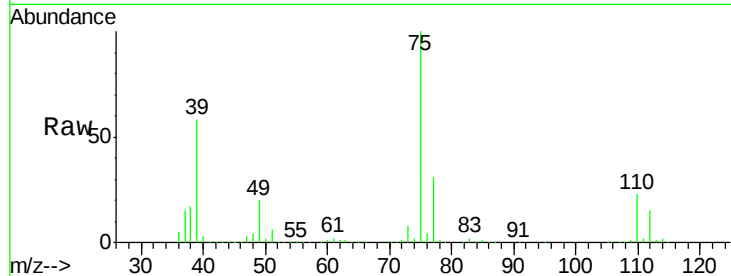
VSTDCCC050

Tot Ion: 75 Resp: 245574

Ion Ratio Lower Upper

75 100

77 30.5 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 50.90 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

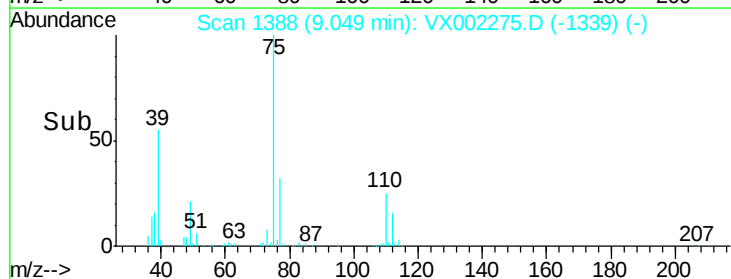
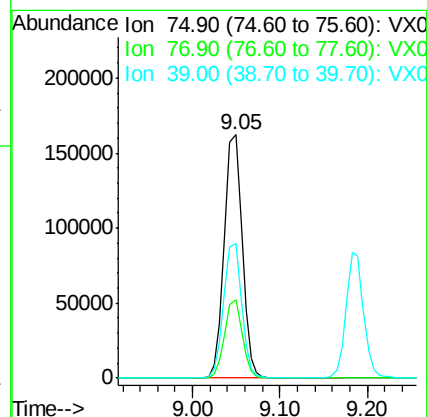
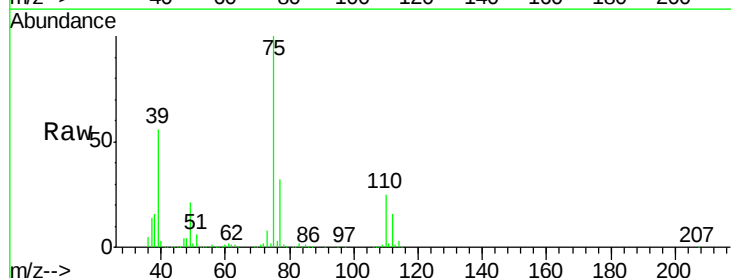
Tgt Ion: 75 Resp: 231543

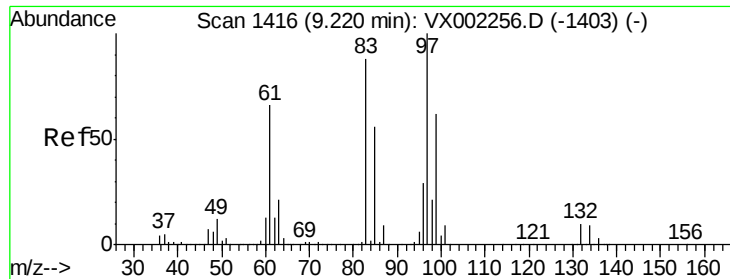
Ion Ratio Lower Upper

75 100

77 32.2 24.8 37.2

39 55.5 42.4 63.6

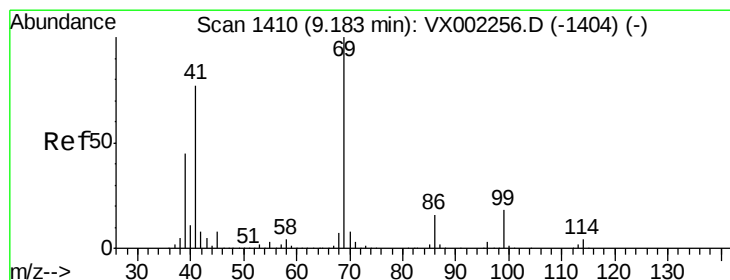
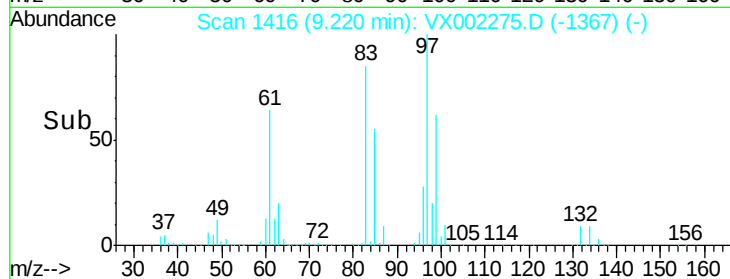
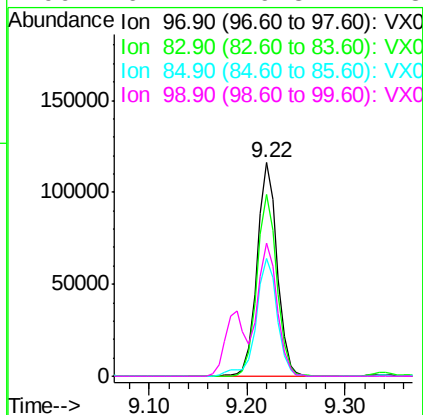
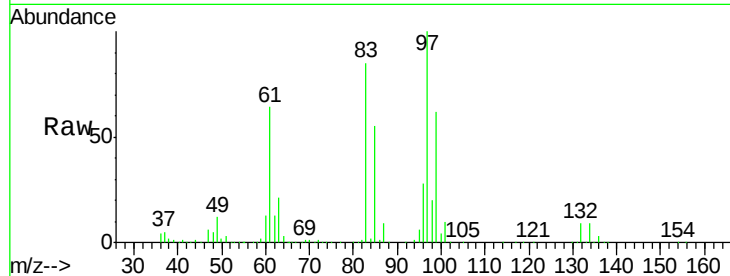




#55
 1,1,2-Trichloroethane
 Concen: 51.98 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002275.D
 Acq: 04 Jun 2018 22:20

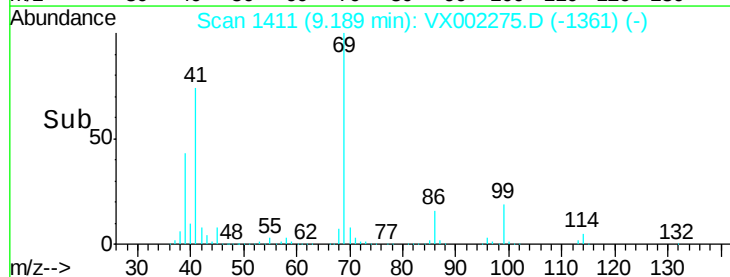
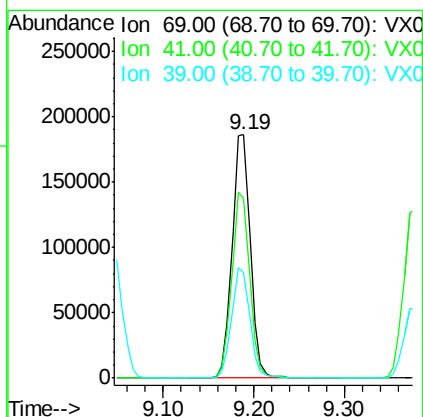
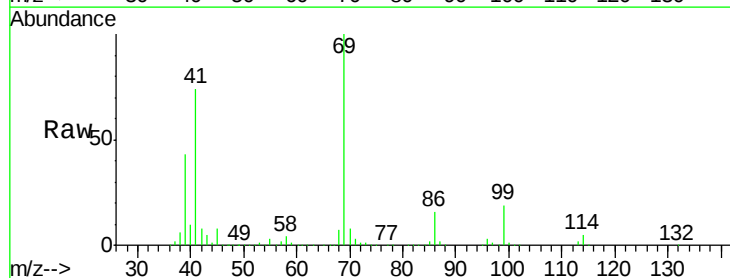
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	165146
Ion	Ratio	Lower	Upper
97	100		
83	85.4	70.2	105.2
85	54.9	44.9	67.3
99	62.1	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 51.37 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.01 min
 Lab File: VX002275.D
 Acq: 04 Jun 2018 22:20

Tgt Ion:	69	Resp:	260596
Ion	Ratio	Lower	Upper
69	100		
41	75.3	60.3	90.5
39	45.1	35.8	53.8





#57

1,3-Dichloropropane

Concen: 51.22 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

Instrument :

MSVOA_X

ClientSampleId :

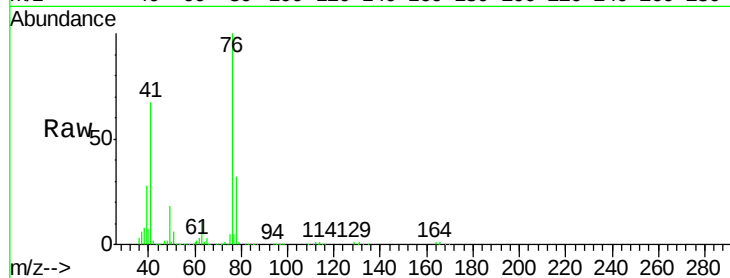
VSTDCCC050

Tot Ion: 76 Resp: 273039

Ion Ratio Lower Upper

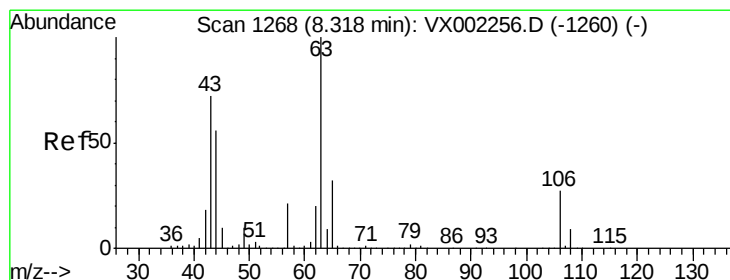
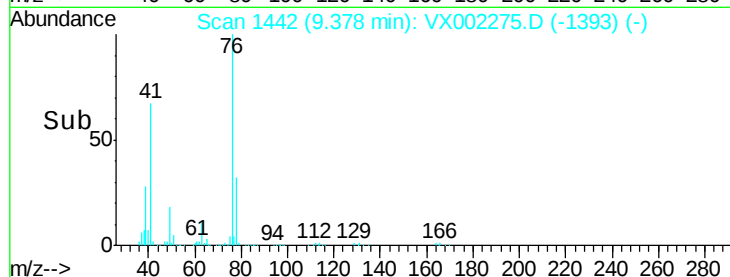
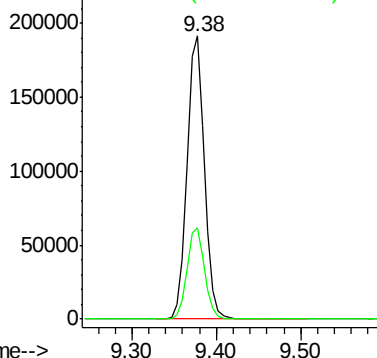
76 100

78 32.5 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 261.02 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002275.D

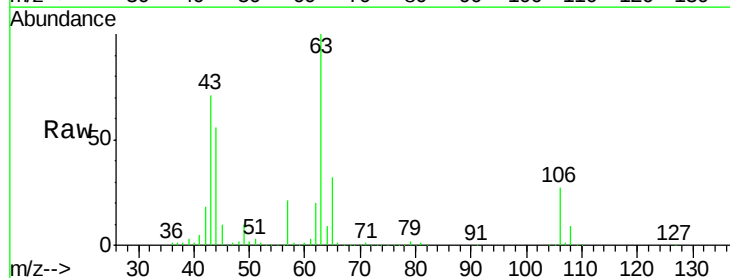
Acq: 04 Jun 2018 22:20

Tgt Ion: 63 Resp: 612829

Ion Ratio Lower Upper

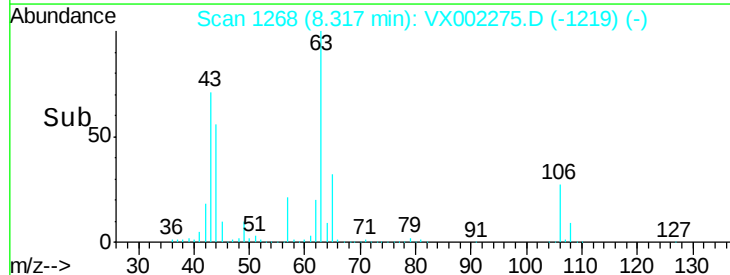
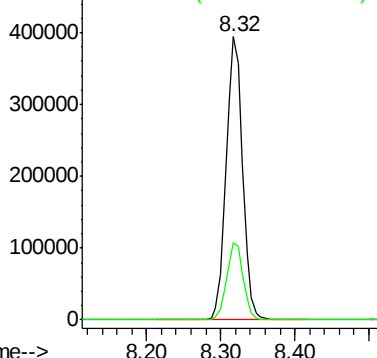
63 100

106 27.5 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

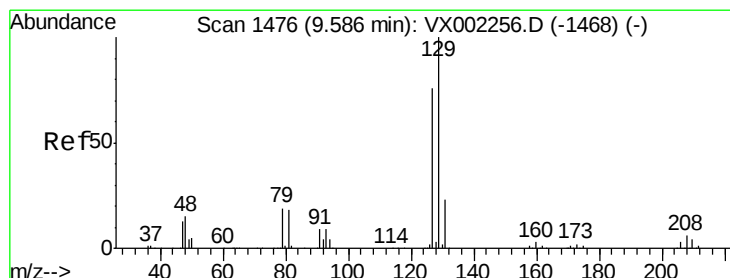
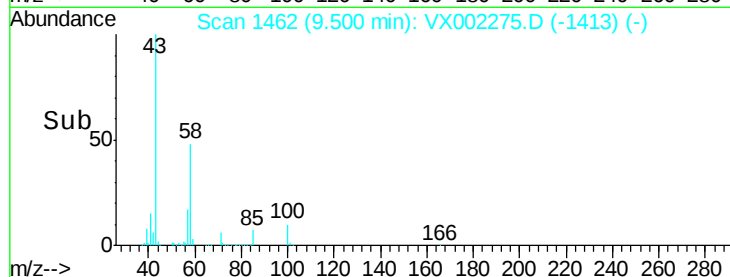
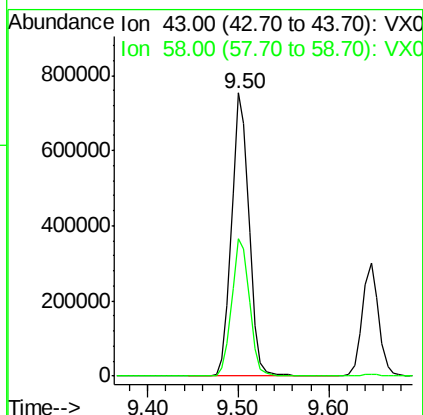
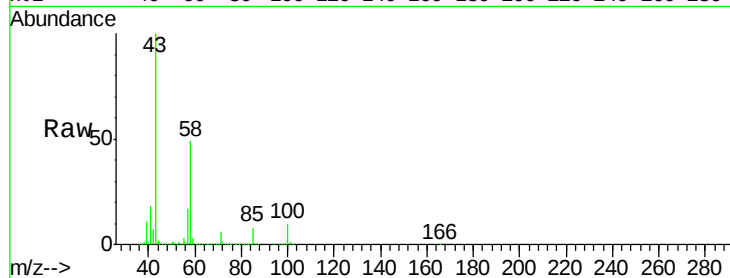




#59
2-Hexanone
Concen: 258.54 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002275.D
Acq: 04 Jun 2018 22:20

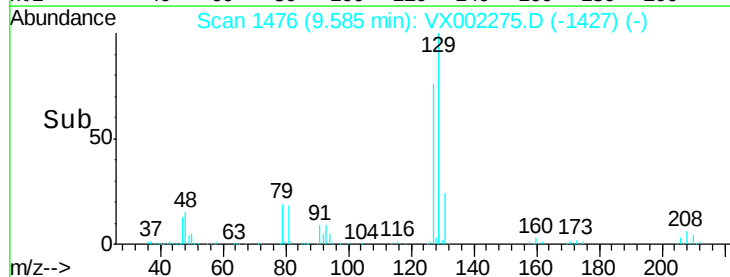
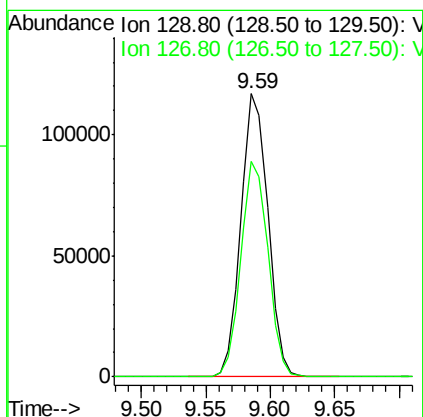
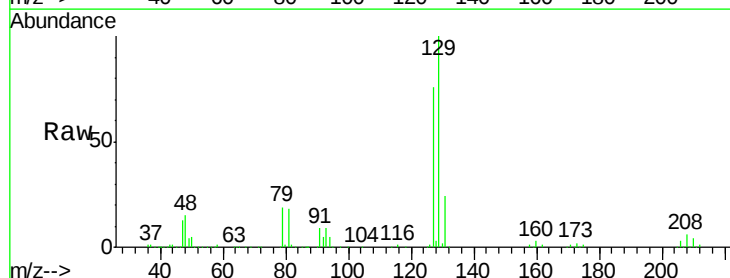
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1006306
Ion Ratio Lower Upper
43 100
58 49.3 24.6 73.6



#60
Dibromochloromethane
Concen: 53.13 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002275.D
Acq: 04 Jun 2018 22:20

Tgt Ion: 129 Resp: 169815
Ion Ratio Lower Upper
129 100
127 76.3 38.5 115.3





#61

1,2-Dibromoethane

Concen: 52.65 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

Instrument :

MSVOA_X

ClientSampleId :

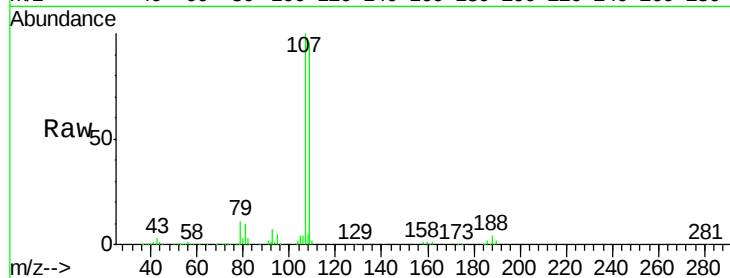
VSTDCCC050

Tot Ion:107 Resp: 174430

Ion Ratio Lower Upper

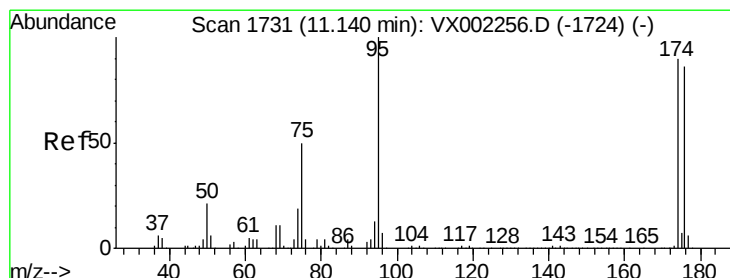
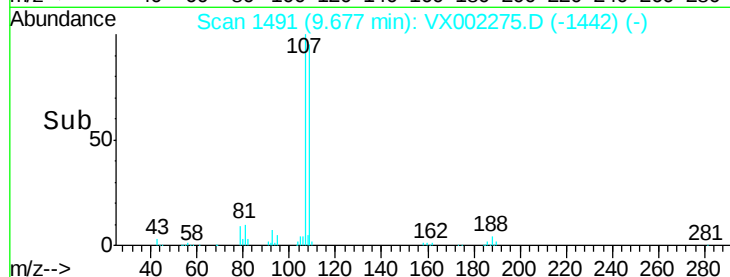
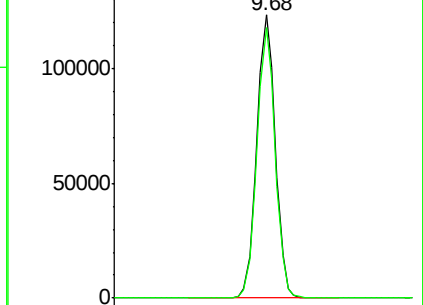
107 100

109 94.2 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.69 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

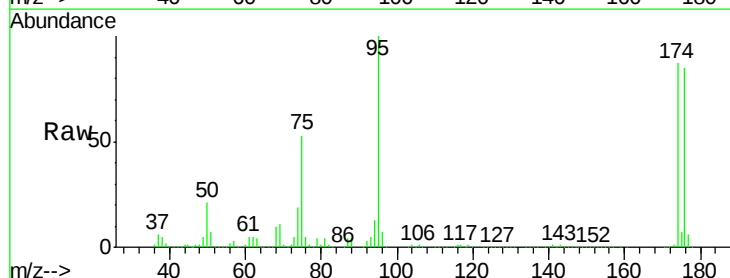
Tgt Ion: 95 Resp: 213251

Ion Ratio Lower Upper

95 100

174 92.8 0.0 187.4

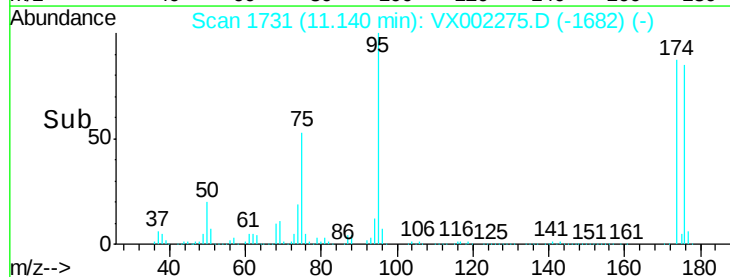
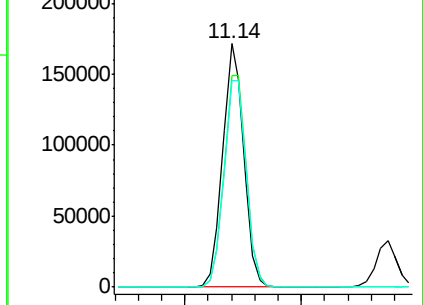
176 90.3 0.0 181.0

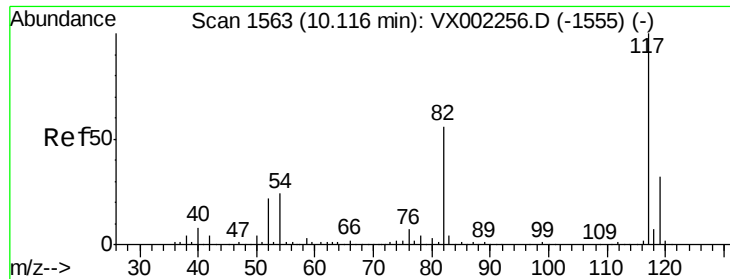


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

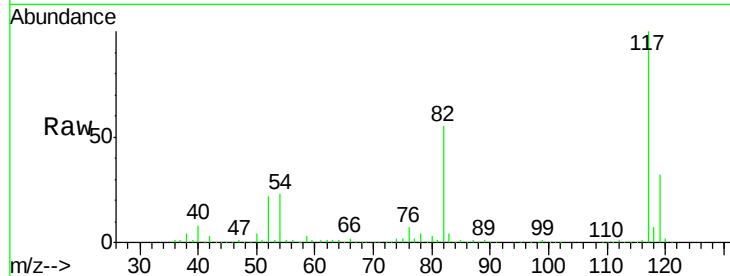
Tot Ion:117 Resp: 371315

Ion Ratio Lower Upper

117 100

82 55.4 45.0 67.4

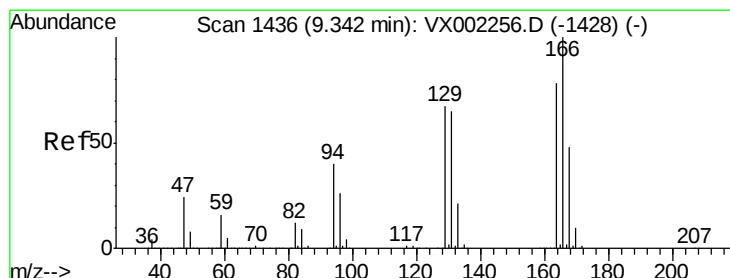
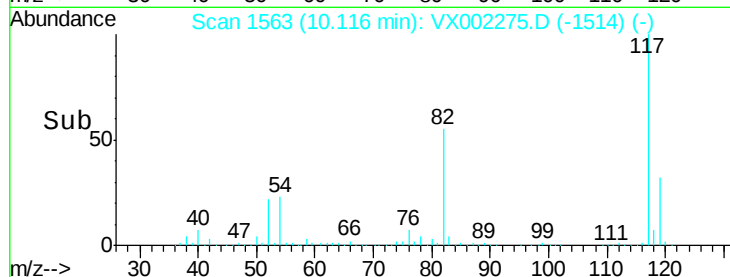
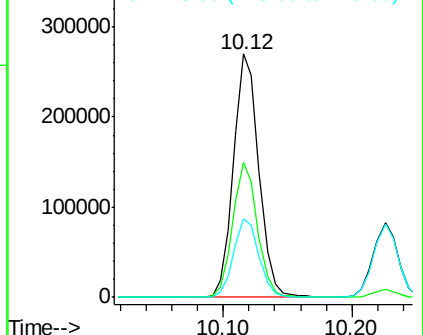
119 32.4 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 49.15 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

Tgt Ion:164 Resp: 188207

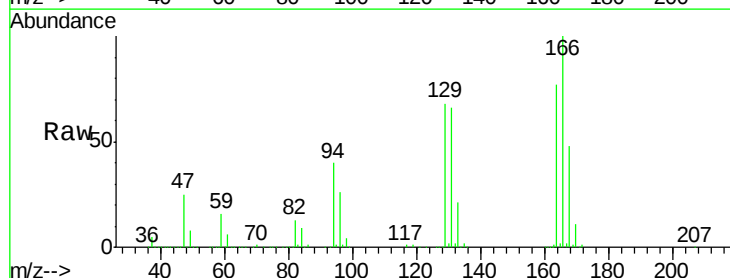
Ion Ratio Lower Upper

164 100

166 130.0 102.9 154.3

129 88.7 68.6 102.8

131 85.3 66.8 100.2

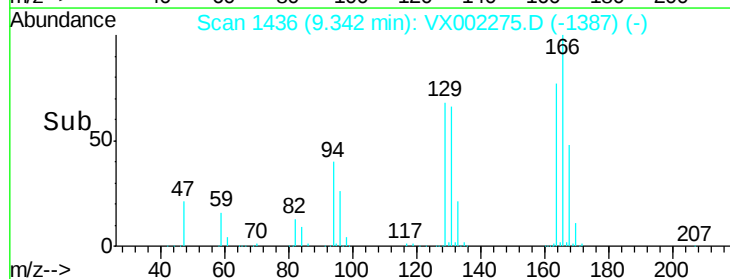
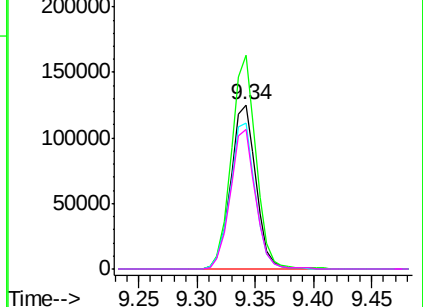


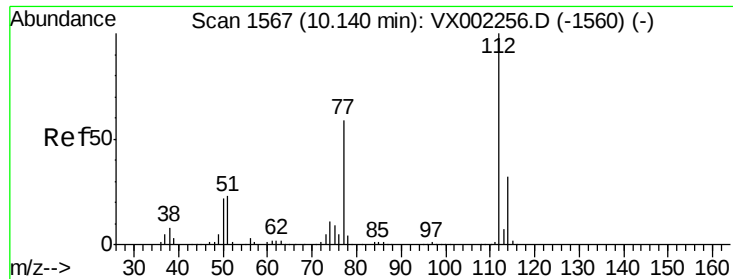
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 49.52 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

Instrument :

MSVOA_X

ClientSampleId :

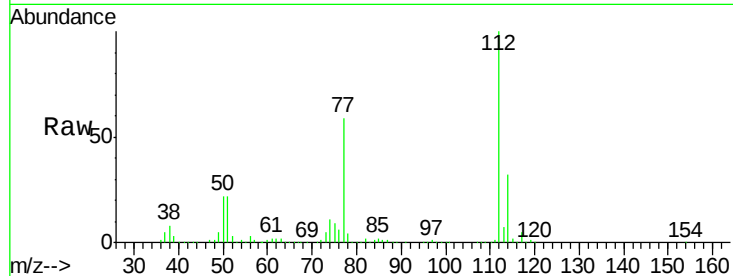
VSTDCCC050

Tot Ion:112 Resp: 457571

Ion Ratio Lower Upper

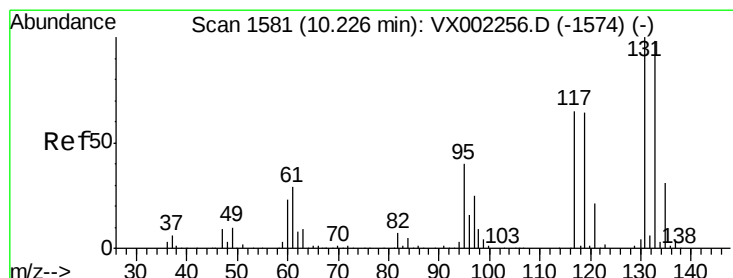
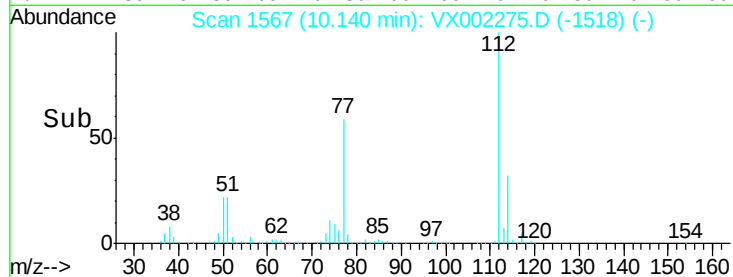
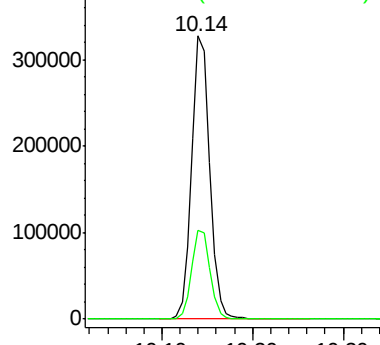
112 100

114 31.6 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.46 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

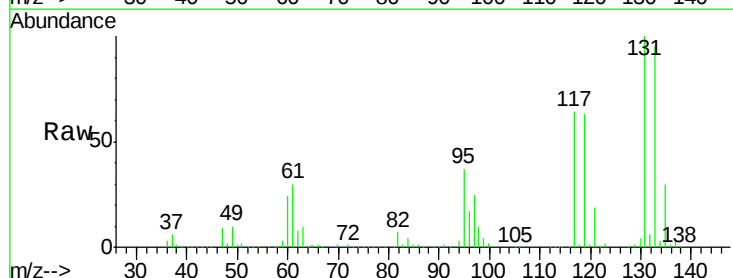
Tgt Ion:131 Resp: 168807

Ion Ratio Lower Upper

131 100

133 95.5 47.9 143.6

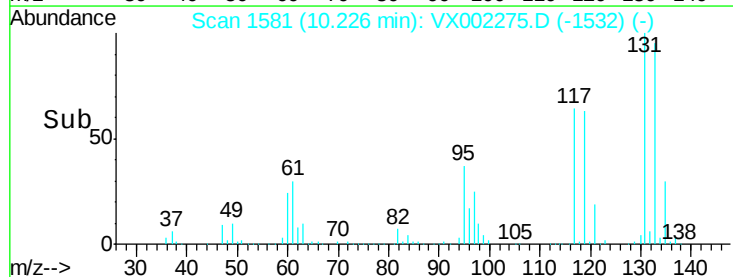
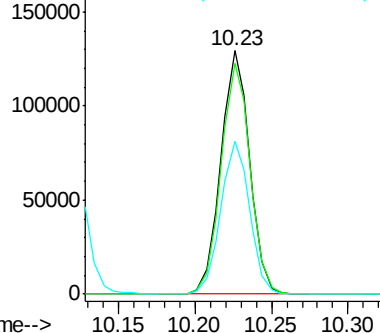
119 63.3 31.8 95.3

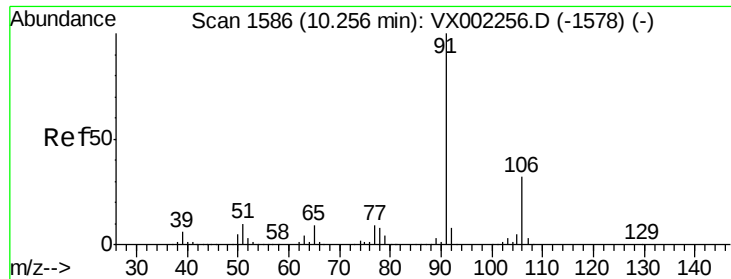


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

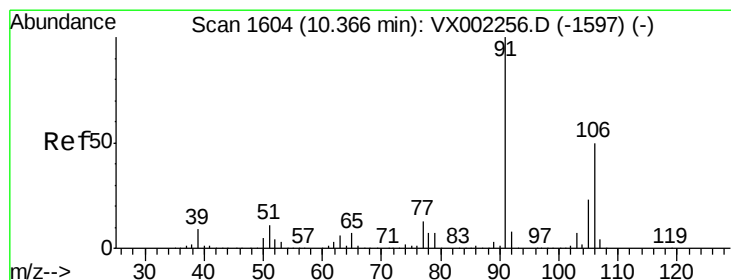
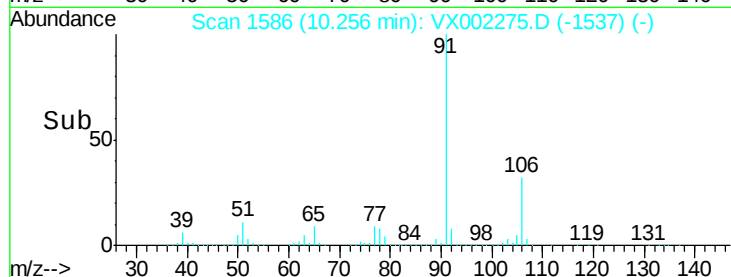
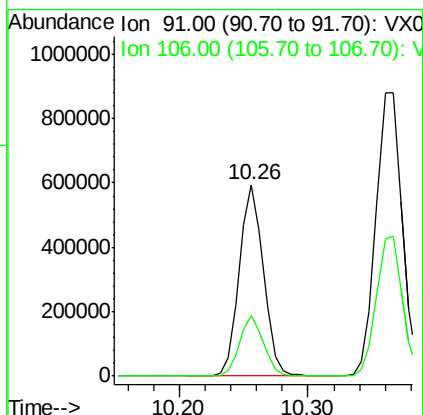
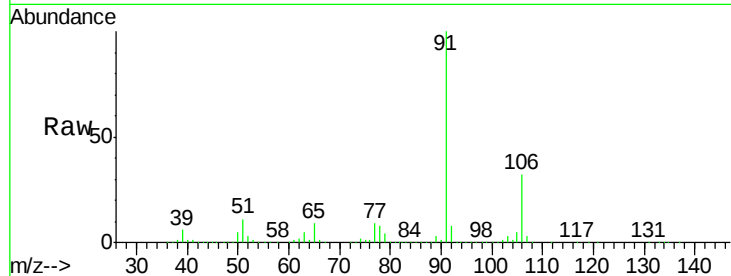




#67
Ethyl Benzene
Concen: 50.09 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002275.D
Acq: 04 Jun 2018 22:20

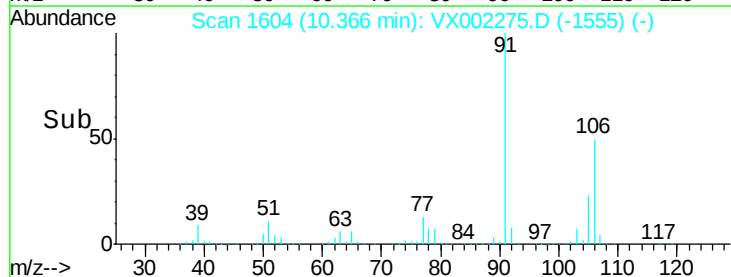
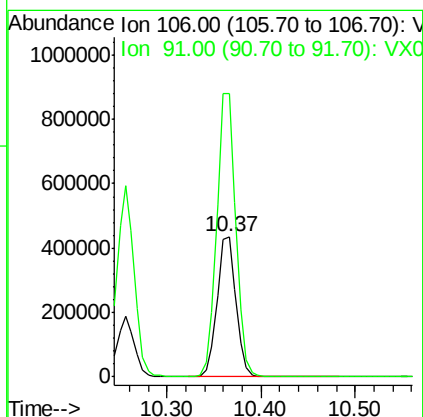
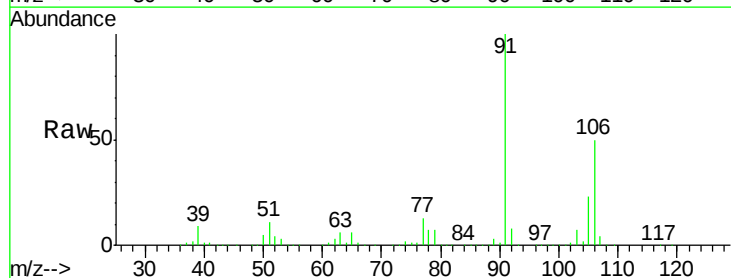
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

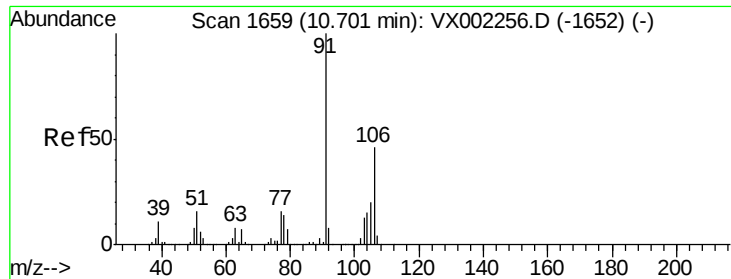
Tot Ion: 91 Resp: 774445
Ion Ratio Lower Upper
91 100
106 31.7 25.5 38.3



#68
m/p-Xylenes
Concen: 100.49 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX002275.D
Acq: 04 Jun 2018 22:20

Tgt Ion: 106 Resp: 603972
Ion Ratio Lower Upper
106 100
91 204.2 163.4 245.2

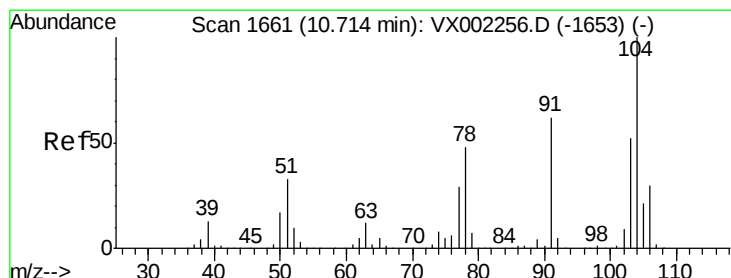
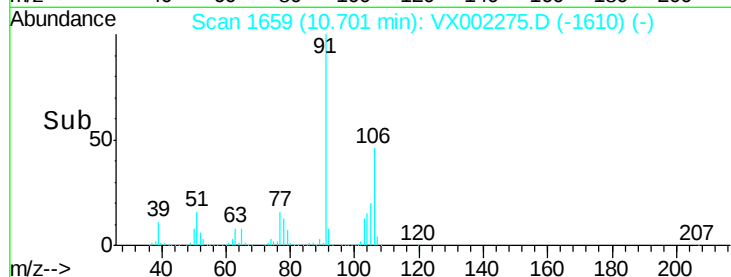
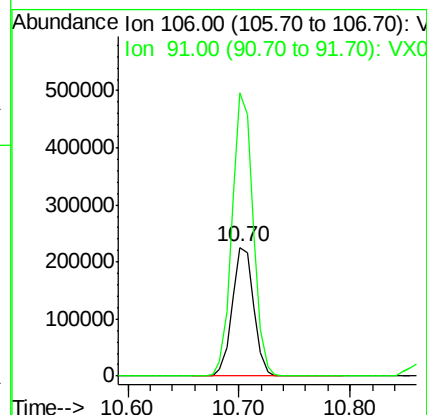
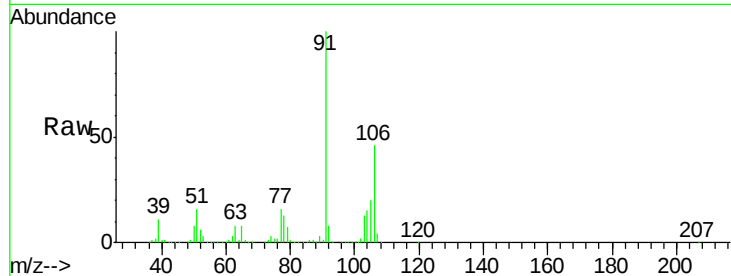




#69
o-Xylene
Concen: 50.39 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002275.D
Acq: 04 Jun 2018 22:20

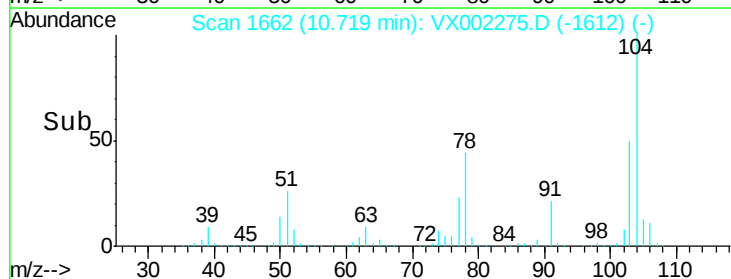
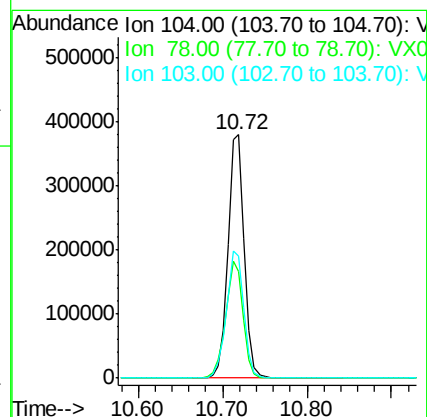
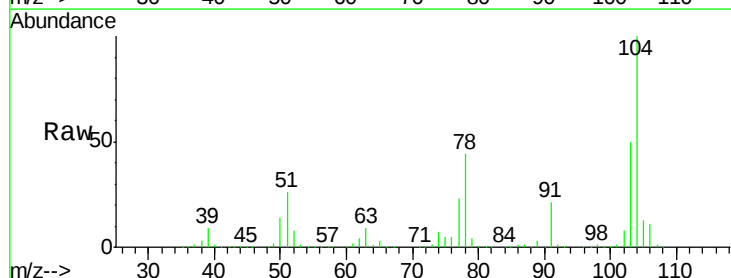
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

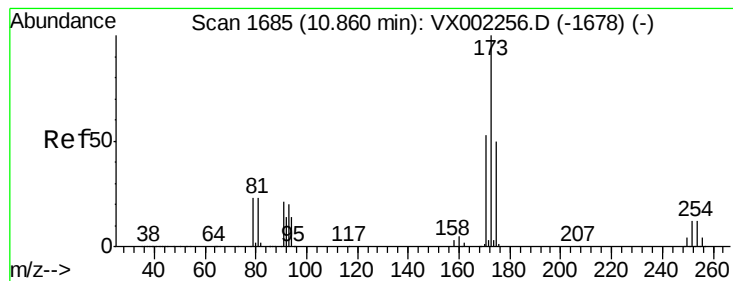
Tot Ion:106 Resp: 301395
Ion Ratio Lower Upper
106 100
91 215.2 108.2 324.6



#70
Styrene
Concen: 51.76 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.01 min
Lab File: VX002275.D
Acq: 04 Jun 2018 22:20

Tgt Ion:104 Resp: 506078
Ion Ratio Lower Upper
104 100
78 51.6 41.0 61.6
103 56.2 44.2 66.4





#71

Bromoform

Concen: 44.69 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

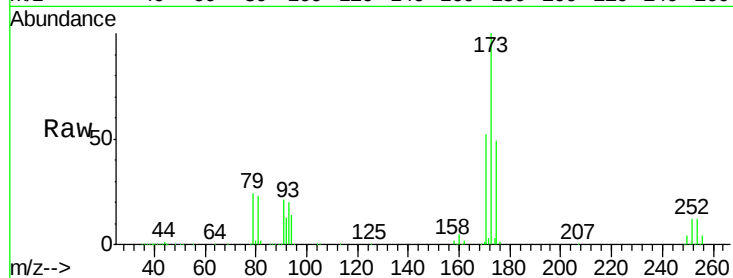
Tot Ion:173 Resp: 132706

Ion Ratio Lower Upper

173 100

175 49.1 24.7 74.1

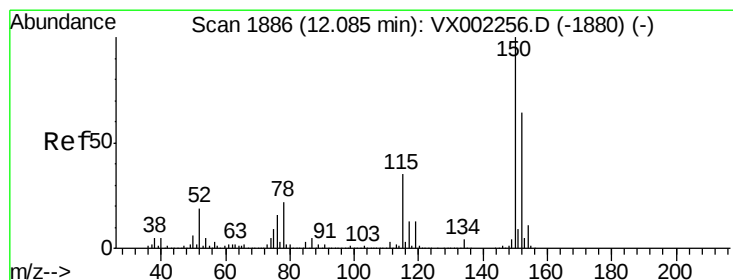
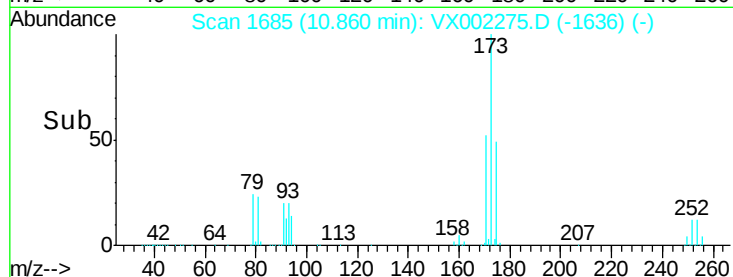
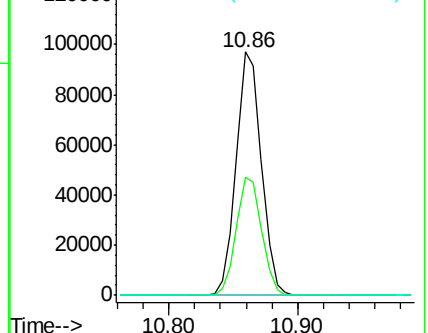
254 0.2 0.2 0.2



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: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

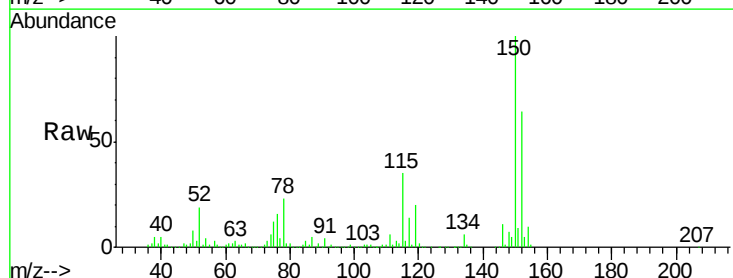
Tgt Ion:152 Resp: 235472

Ion Ratio Lower Upper

152 100

115 79.1 40.1 120.2

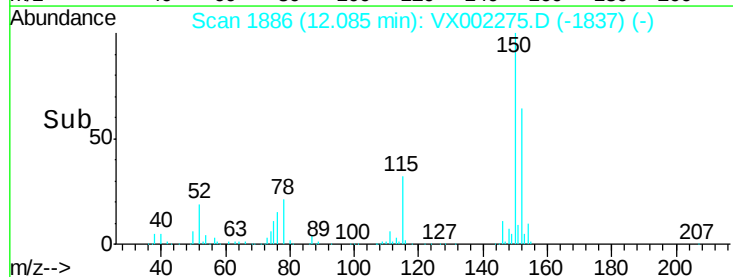
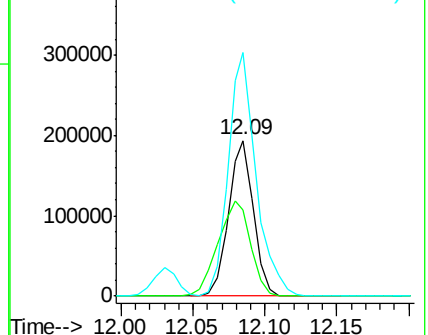
150 174.7 0.0 347.2

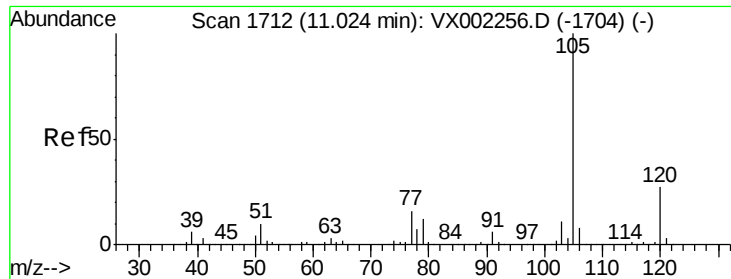


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.65 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

Instrument :

MSVOA_X

ClientSampleId :

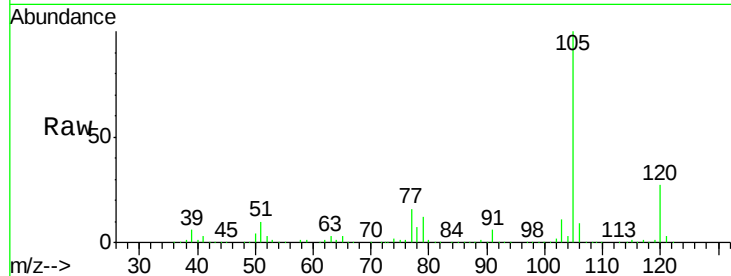
VSTDCCC050

Tot Ion:105 Resp: 780552

Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

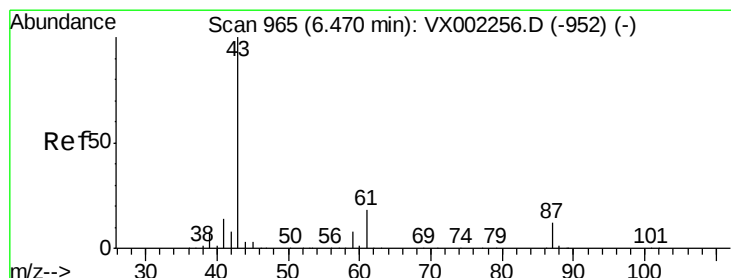
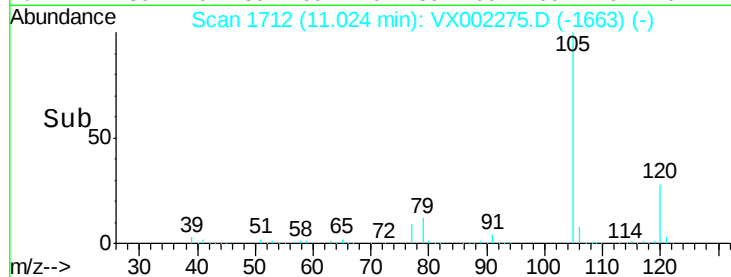
600000

400000

200000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 45.63 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

Tgt Ion: 43 Resp: 402717

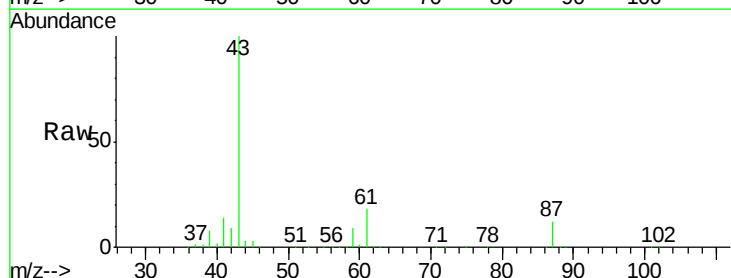
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 18.0 14.4 21.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

6.47

250000

200000

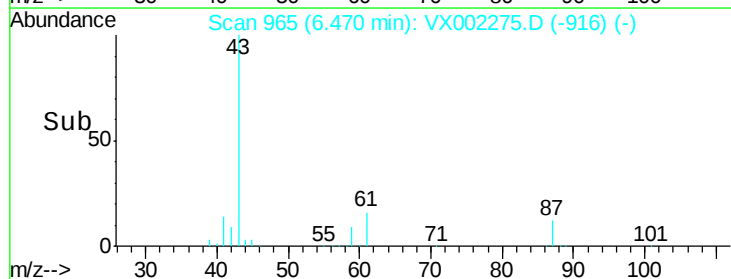
150000

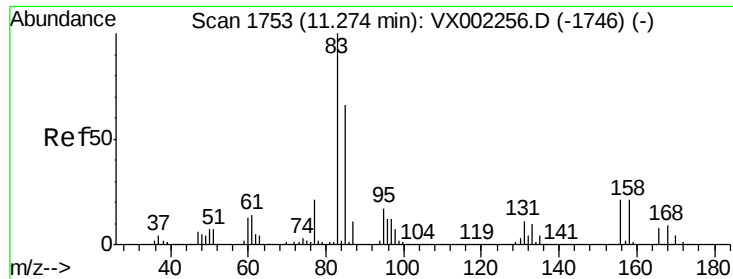
100000

50000

0

Time--> 6.30 6.40 6.50 6.60





#75

1,1,2,2-Tetrachloroethane

Concen: 47.35 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

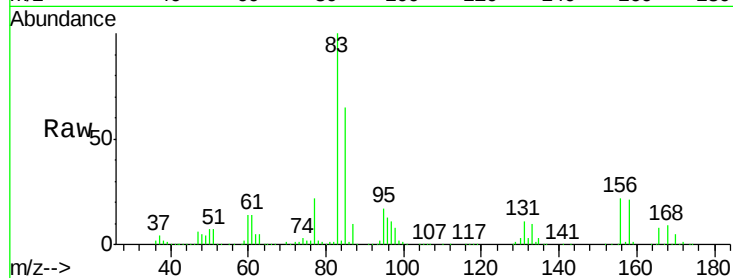
Tot Ion: 83 Resp: 243968

Ion Ratio Lower Upper

83 100

131 11.1 5.6 16.8

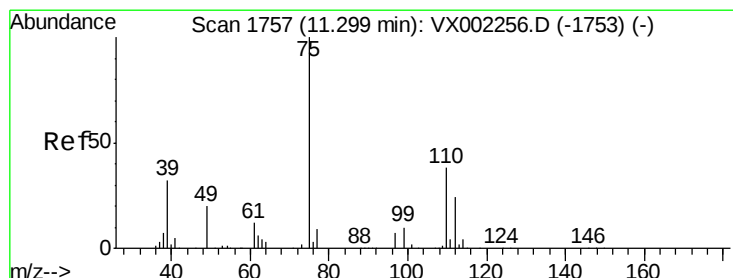
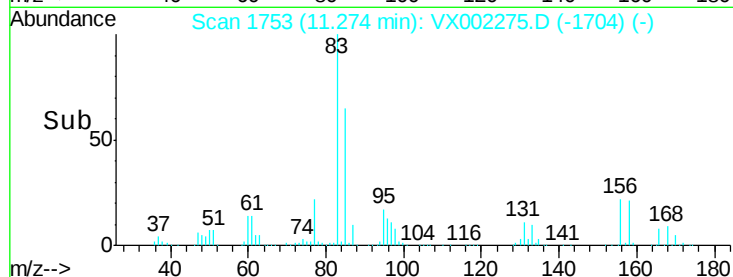
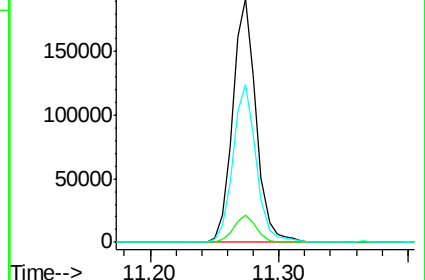
85 64.4 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 56.63 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX002275.D

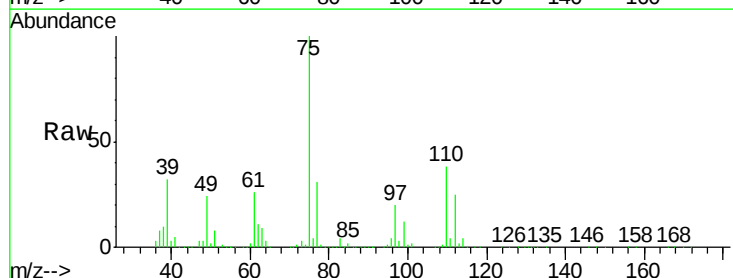
Acq: 04 Jun 2018 22:20

Tgt Ion: 75 Resp: 292617

Ion Ratio Lower Upper

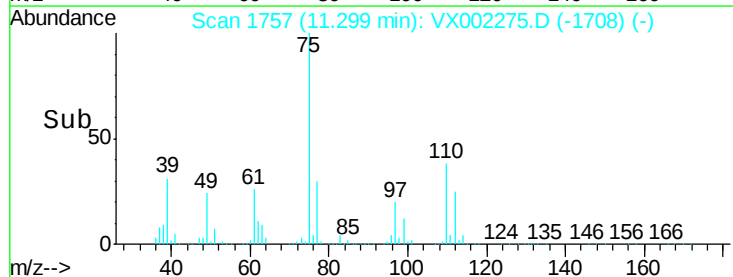
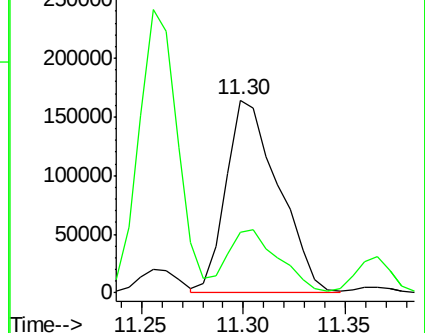
75 100

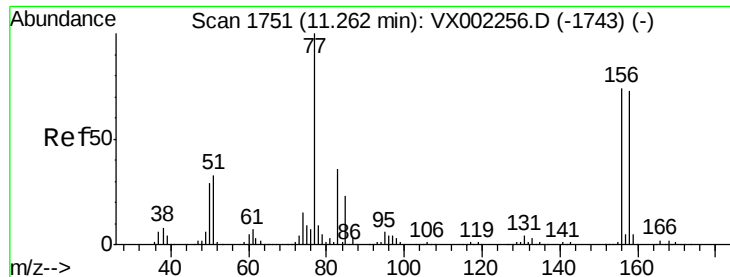
77 32.5 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 48.88 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

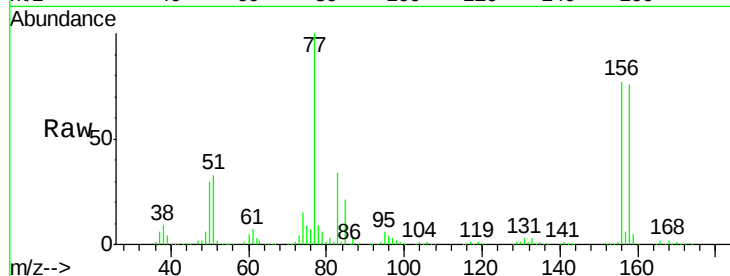
Tot Ion:156 Resp: 224802

Ion Ratio Lower Upper

156 100

77 140.3 71.4 214.2

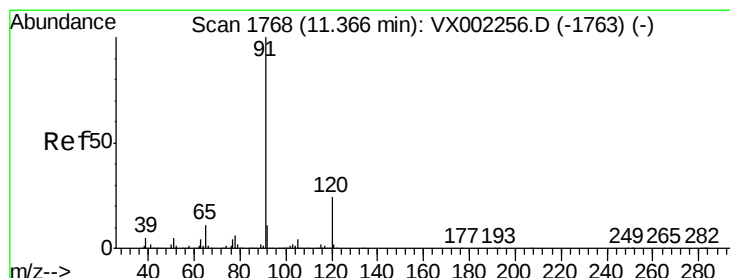
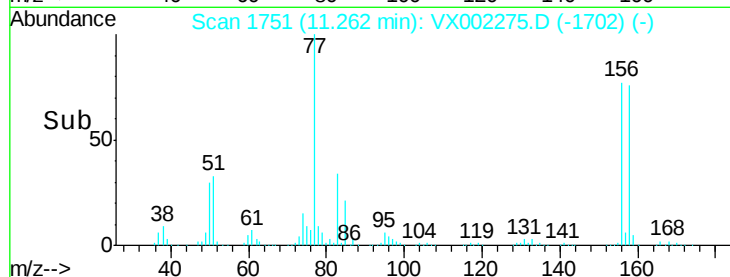
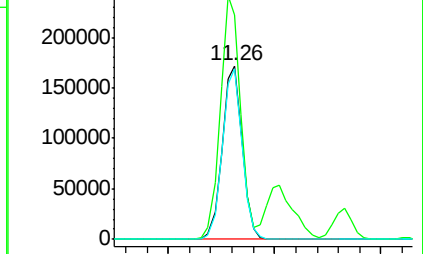
158 97.6 48.9 146.6



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: 48.71 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002275.D

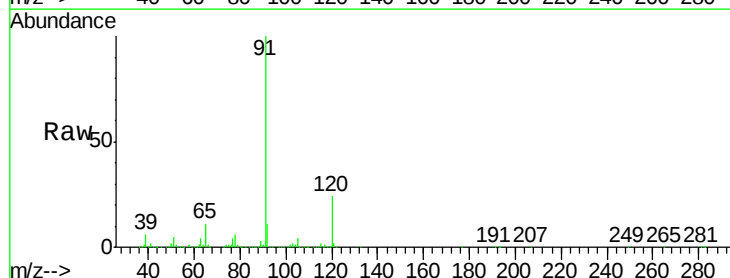
Acq: 04 Jun 2018 22:20

Tgt Ion: 91 Resp: 886805

Ion Ratio Lower Upper

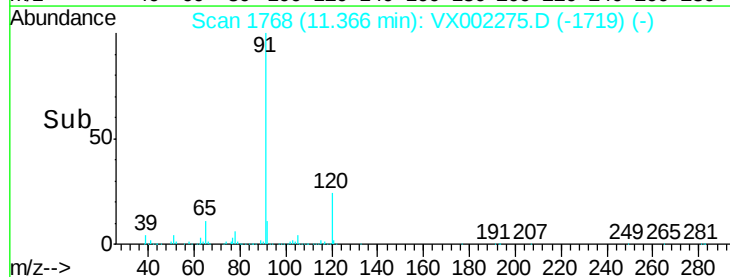
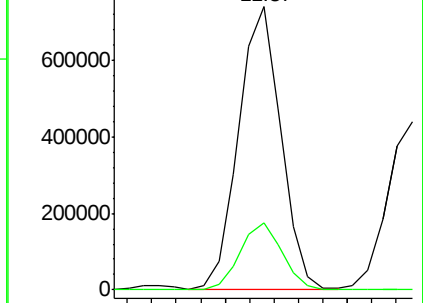
91 100

120 23.8 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.74 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

Instrument :

MSVOA_X

ClientSampleId :

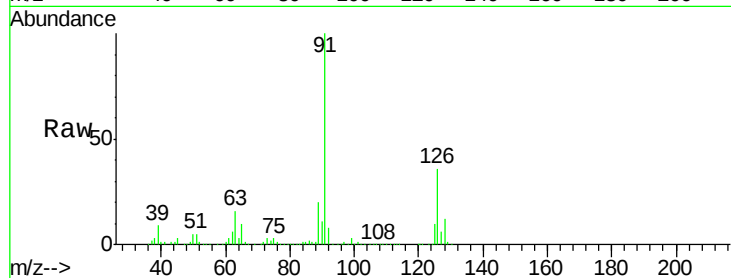
VSTDCCC050

Tot Ion: 91 Resp: 548797

Ion Ratio Lower Upper

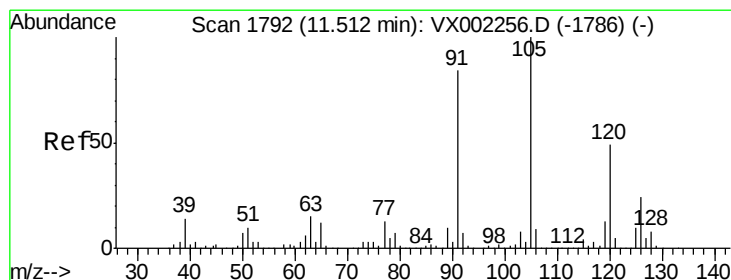
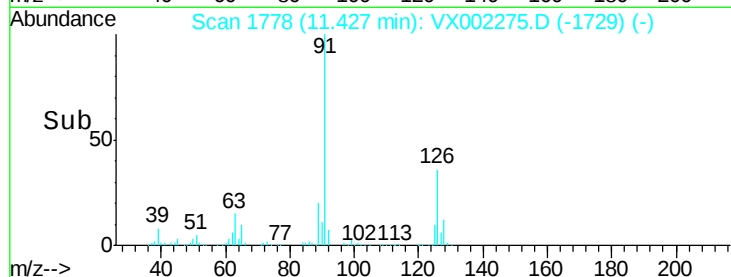
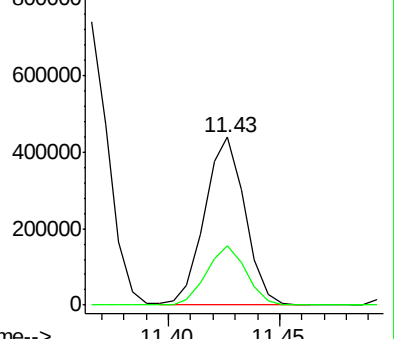
91 100

126 35.1 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 48.80 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002275.D

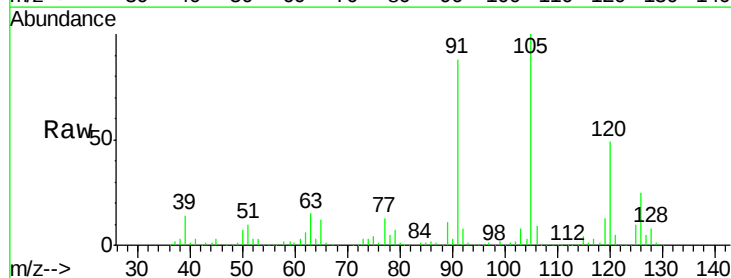
Acq: 04 Jun 2018 22:20

Tgt Ion: 105 Resp: 685584

Ion Ratio Lower Upper

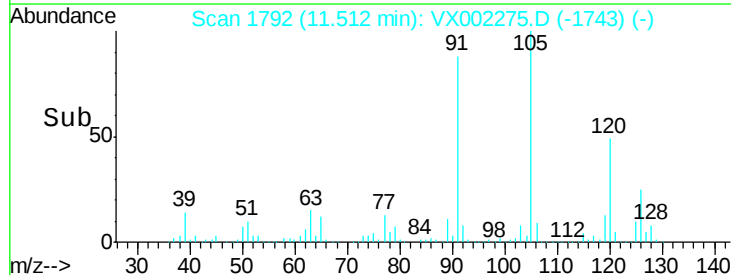
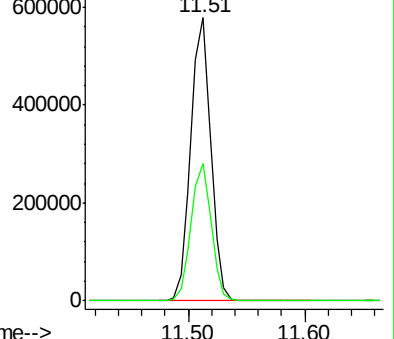
105 100

120 49.0 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 45.53 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

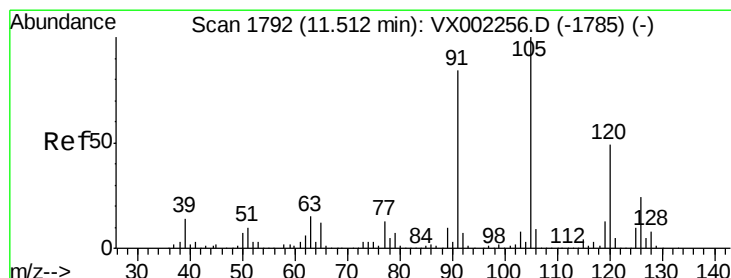
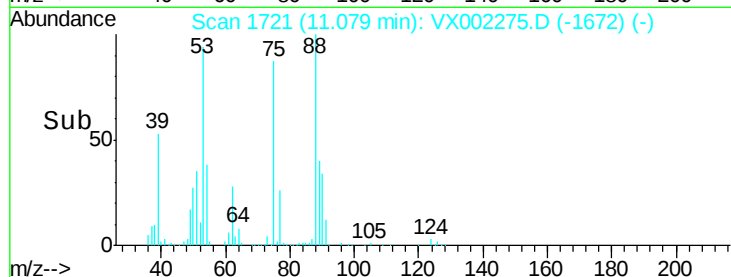
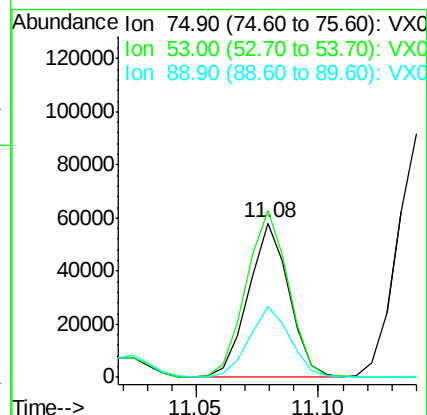
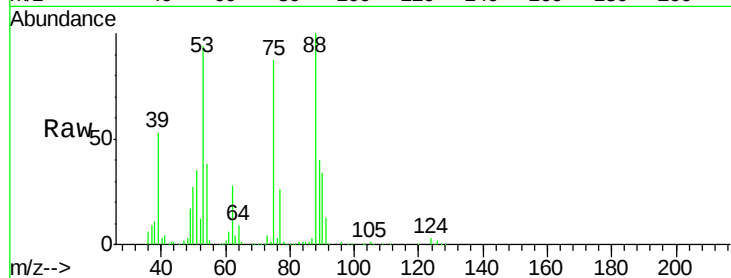
Tot Ion: 75 Resp: 67105

Ion Ratio Lower Upper

75 100

53 113.2 86.8 130.2

89 46.5 38.2 57.2



#82

4-Chlorotoluene

Concen: 49.01 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002275.D

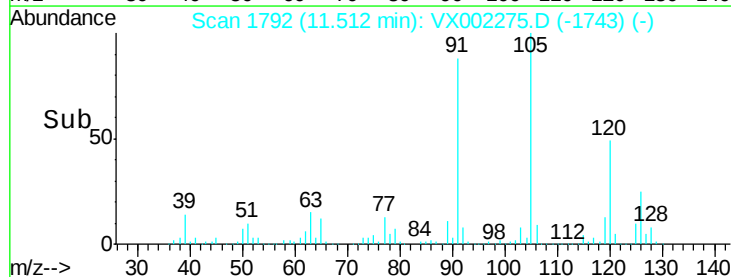
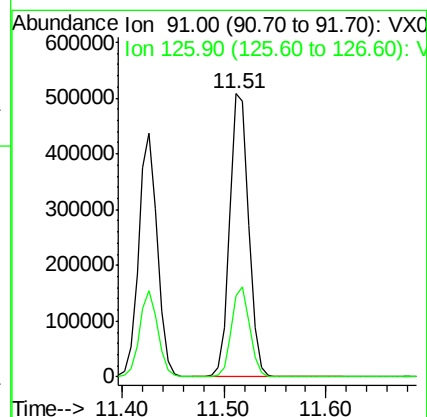
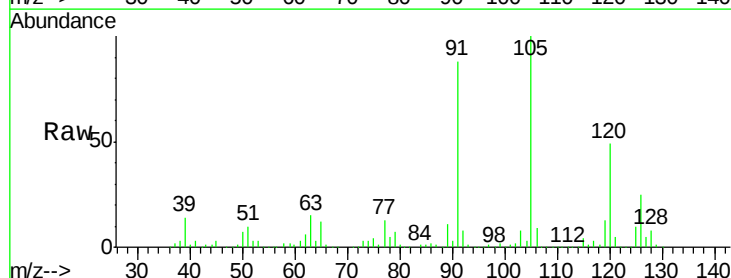
Acq: 04 Jun 2018 22:20

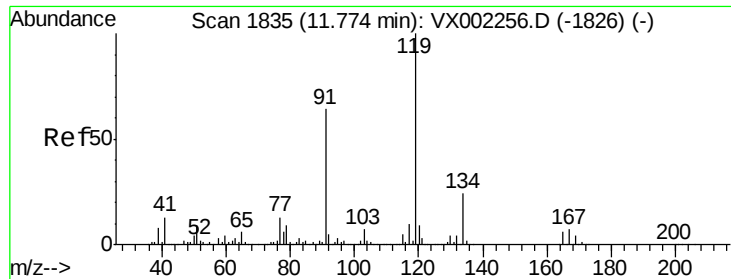
Tgt Ion: 91 Resp: 650389

Ion Ratio Lower Upper

91 100

126 30.6 15.4 46.4

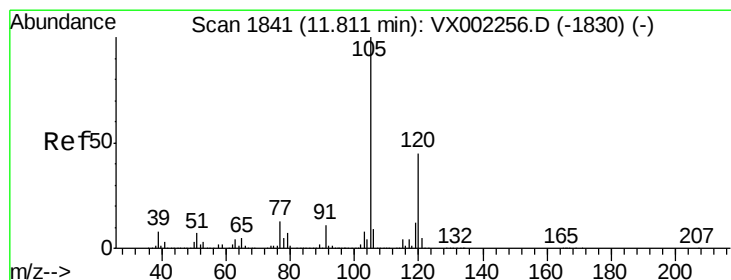
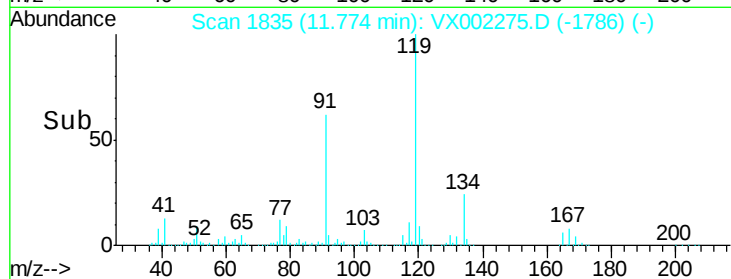
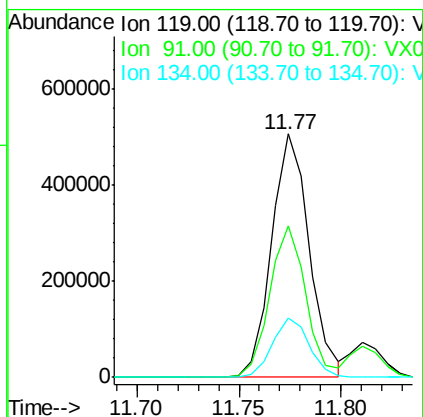
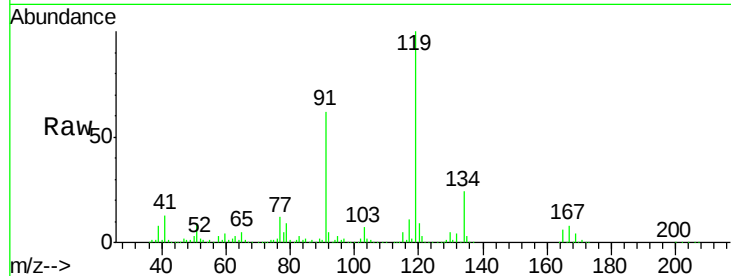




#83
 tert-Butylbenzene
 Concen: 47.55 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002275.D
 Acq: 04 Jun 2018 22:20

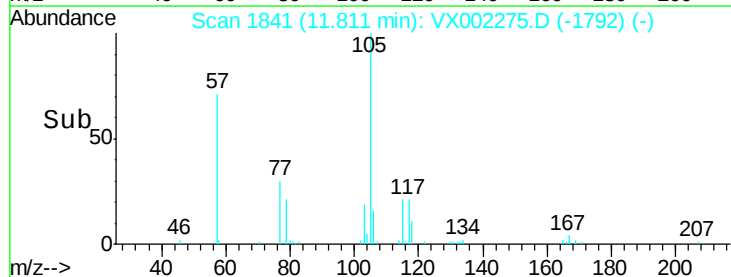
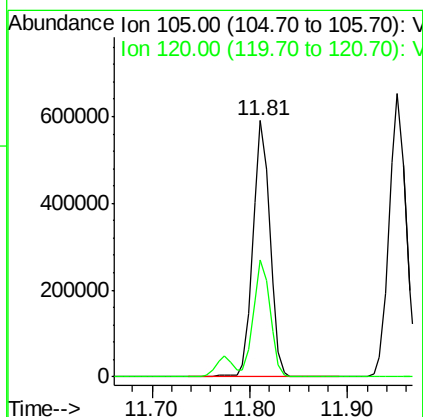
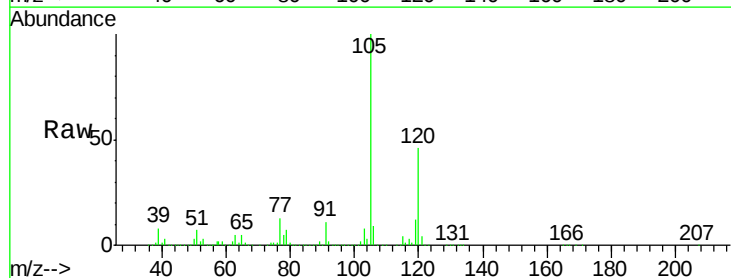
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

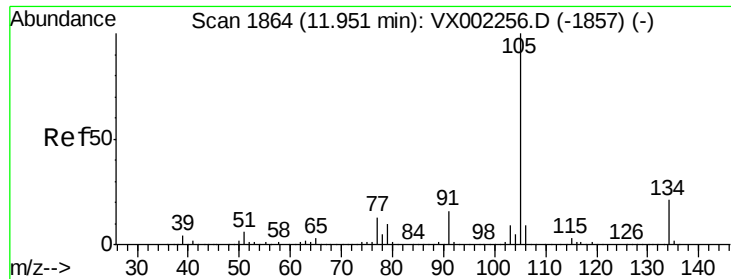
Tot Ion:119 Resp: 650585
 Ion Ratio Lower Upper
 119 100
 91 60.1 30.3 90.9
 134 23.8 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 49.38 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002275.D
 Acq: 04 Jun 2018 22:20

Tgt Ion:105 Resp: 714209
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.3 66.8





#85

sec-Butylbenzene

Concen: 48.79 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

Instrument :

MSVOA_X

ClientSampleId :

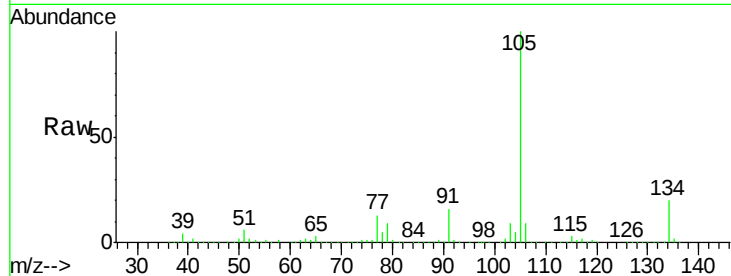
VSTDCCC050

Tot Ion:105 Resp: 782536

Ion Ratio Lower Upper

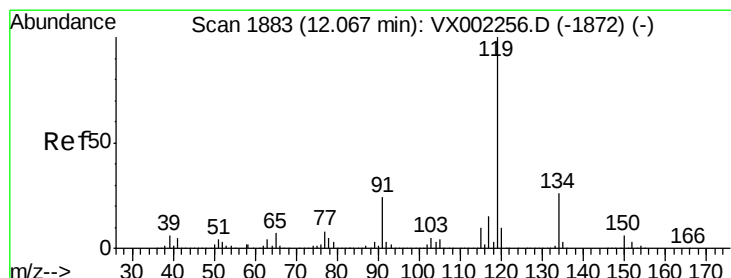
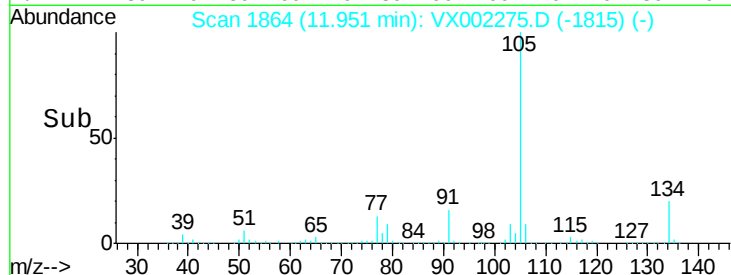
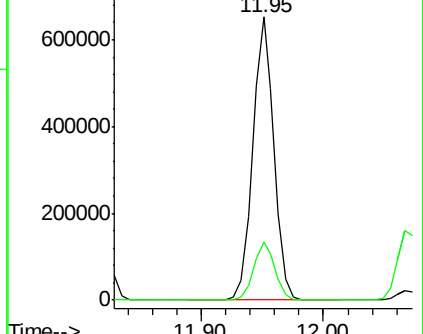
105 100

134 20.7 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.30 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

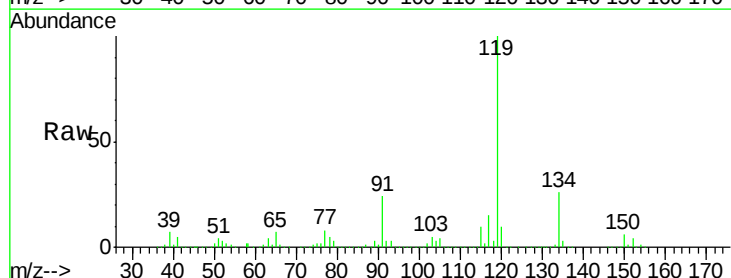
Tgt Ion:119 Resp: 720318

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

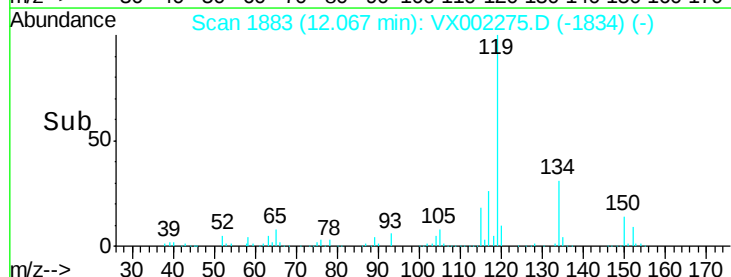
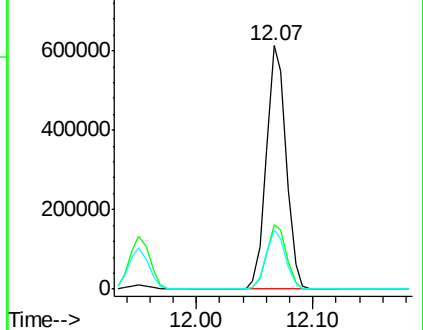
91 24.0 11.9 35.7

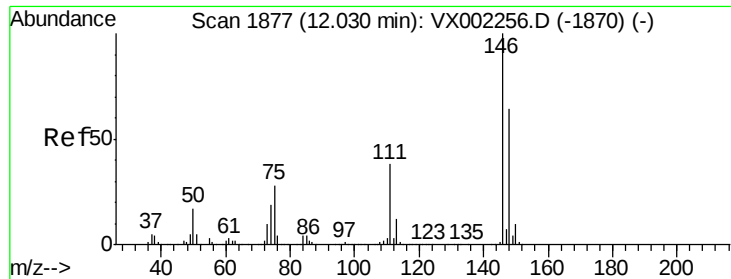


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.17 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

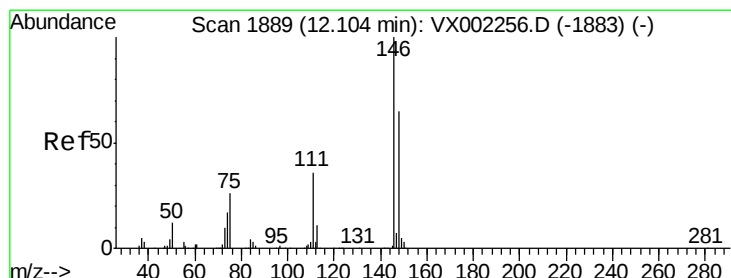
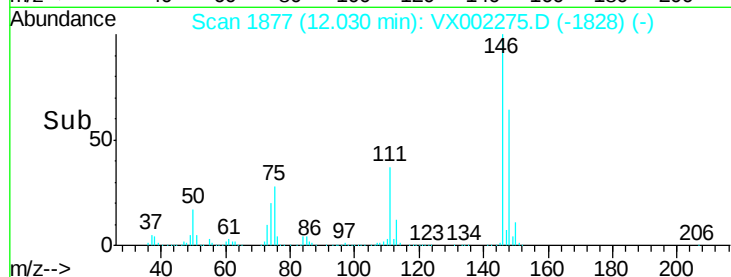
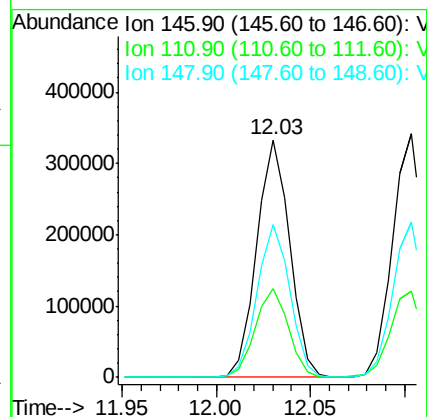
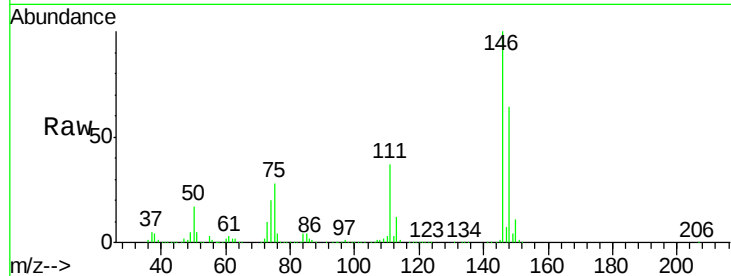
Tot Ion:146 Resp: 404279

Ion Ratio Lower Upper

146 100

111 37.6 18.9 56.7

148 64.0 32.1 96.3



#88

1,4-Dichlorobenzene

Concen: 48.60 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

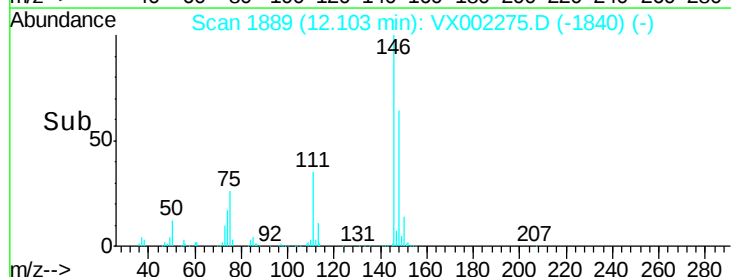
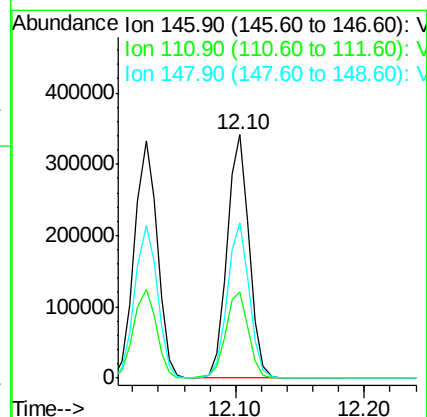
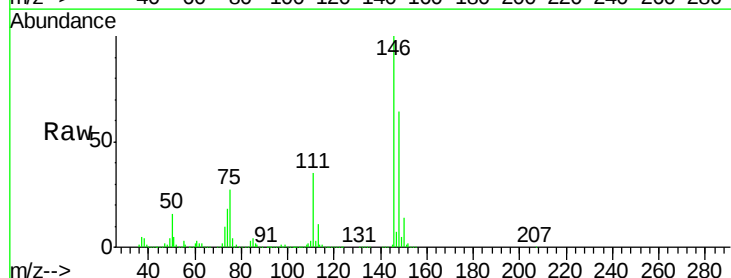
Tgt Ion:146 Resp: 411925

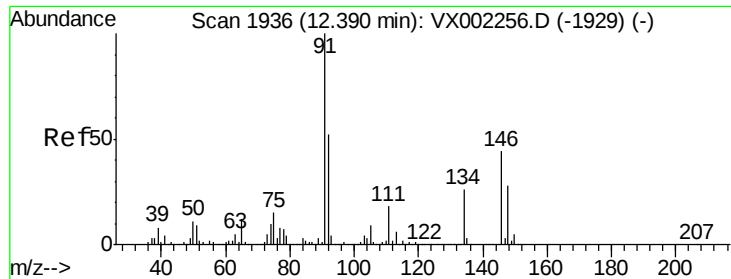
Ion Ratio Lower Upper

146 100

111 36.8 18.7 56.1

148 63.7 32.4 97.0





#89

n-Butylbenzene

Concen: 49.04 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

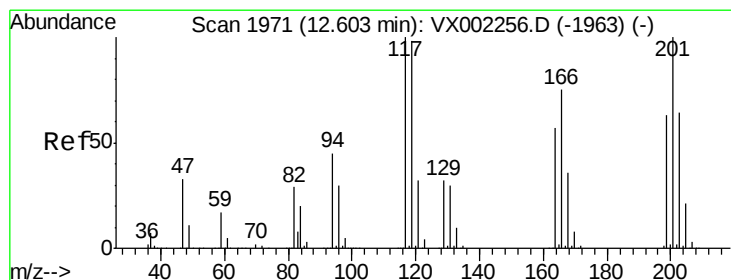
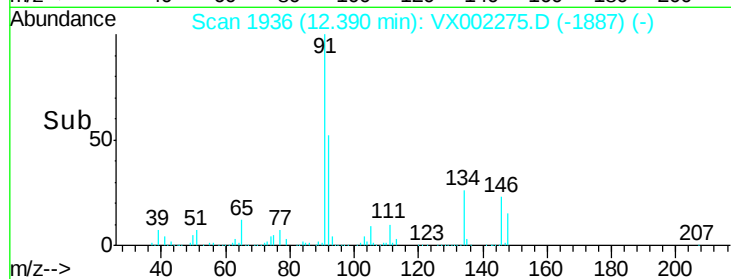
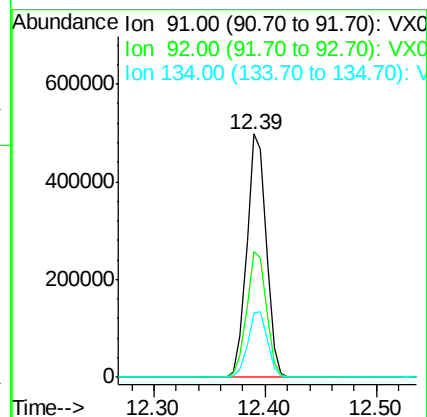
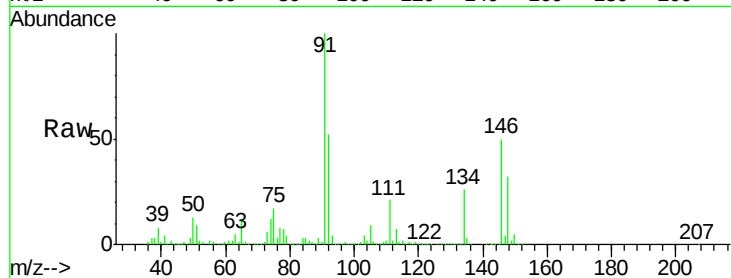
Tot Ion: 91 Resp: 600876

Ion Ratio Lower Upper

91 100

92 52.2 26.0 78.0

134 27.3 13.5 40.5



#90

Hexachloroethane

Concen: 47.13 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VX002275.D

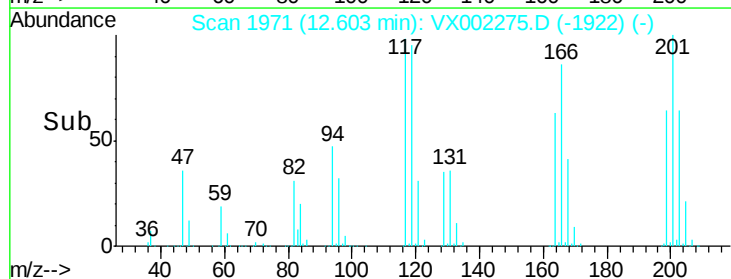
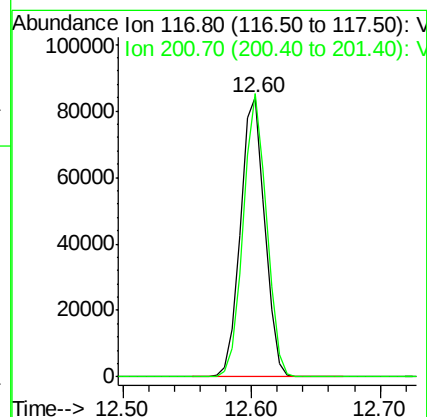
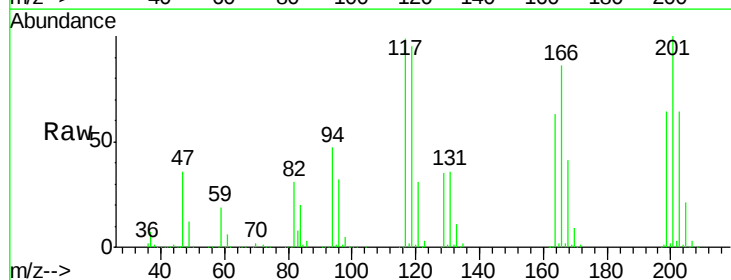
Acq: 04 Jun 2018 22:20

Tgt Ion: 117 Resp: 109913

Ion Ratio Lower Upper

117 100

201 96.8 49.0 147.0

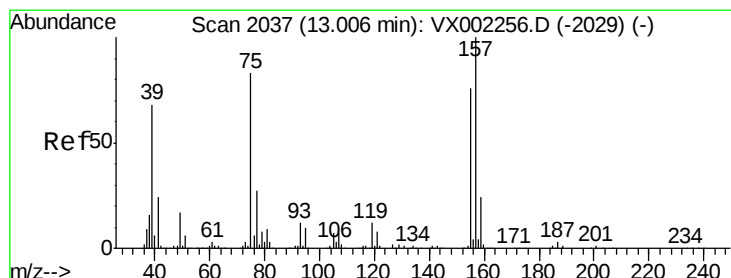
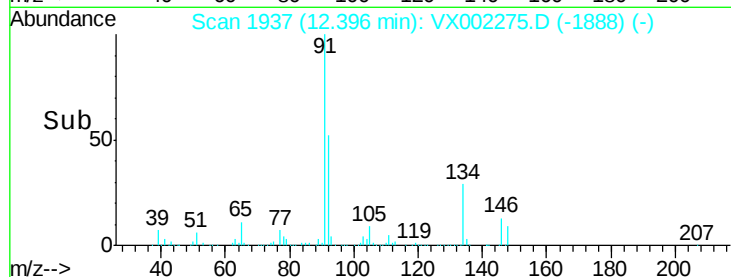
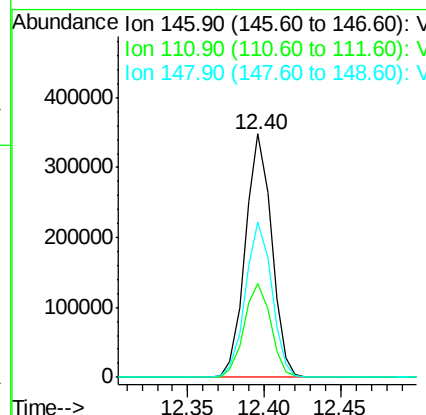
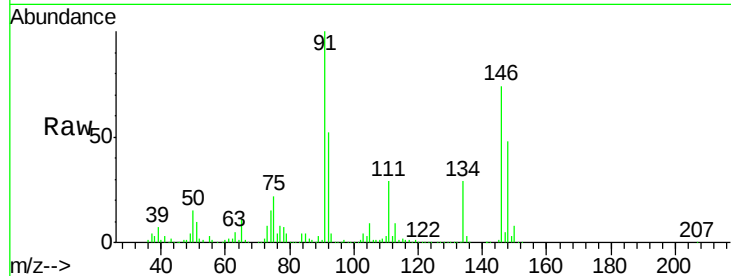




#91
1,2-Dichlorobenzene
Concen: 48.82 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX002275.D
Acq: 04 Jun 2018 22:20

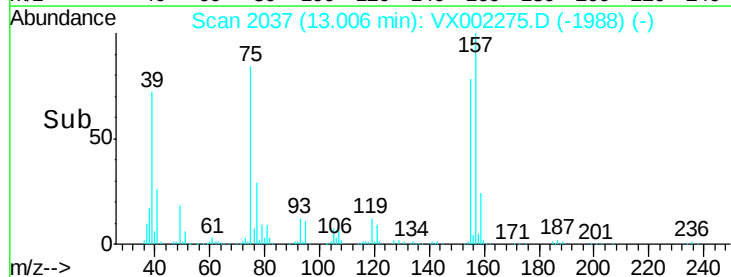
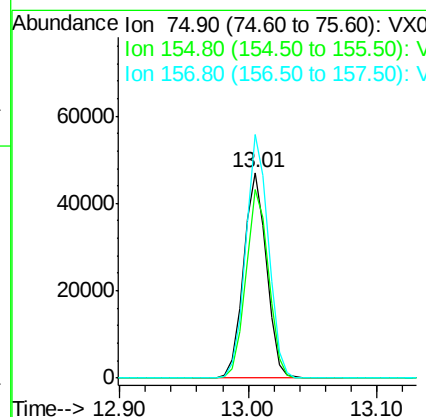
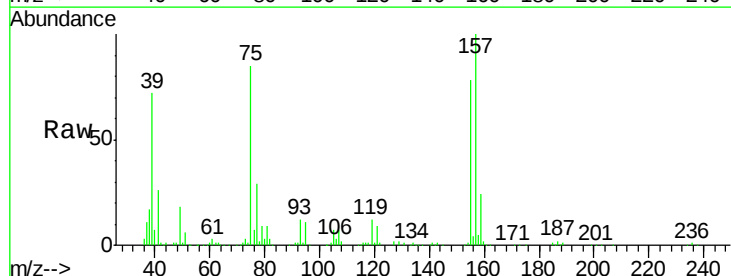
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

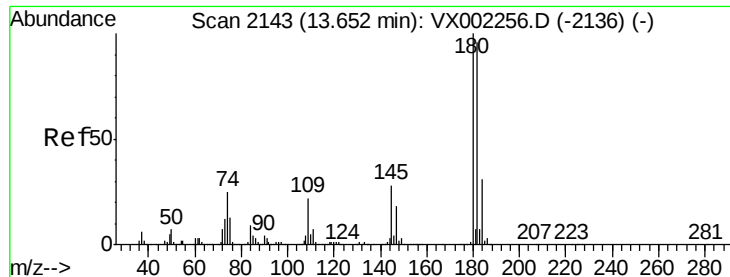
Tot Ion:146 Resp: 415311
Ion Ratio Lower Upper
146 100
111 38.9 19.4 58.1
148 64.1 31.7 95.1



#92
1,2-Dibromo-3-Chloropropane
Concen: 51.18 ug/l
RT: 13.01 min Scan# 2037
Delta R.T. -0.00 min
Lab File: VX002275.D
Acq: 04 Jun 2018 22:20

Tgt Ion: 75 Resp: 57666
Ion Ratio Lower Upper
75 100
155 90.8 45.8 137.4
157 116.9 60.1 180.3

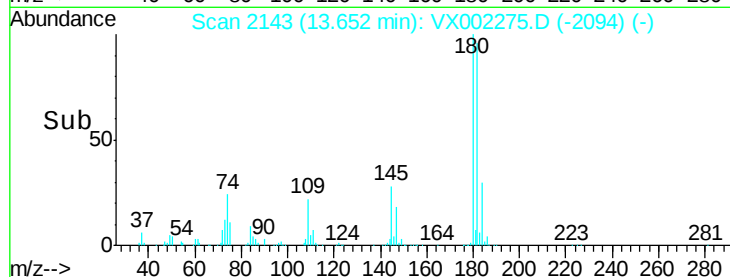
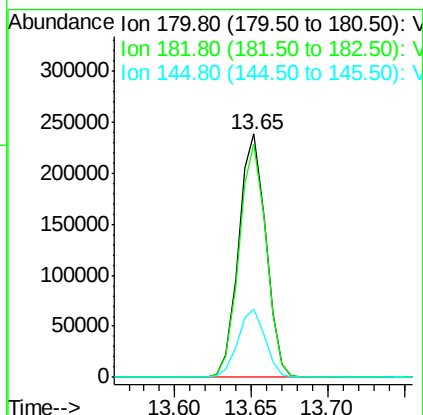
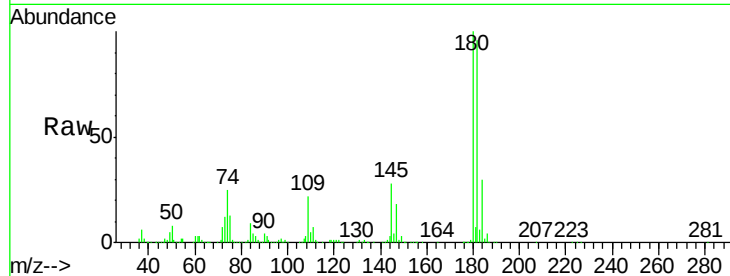




#93
 1,2,4-Trichlorobenzene
 Concen: 49.29 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002275.D
 Acq: 04 Jun 2018 22:20

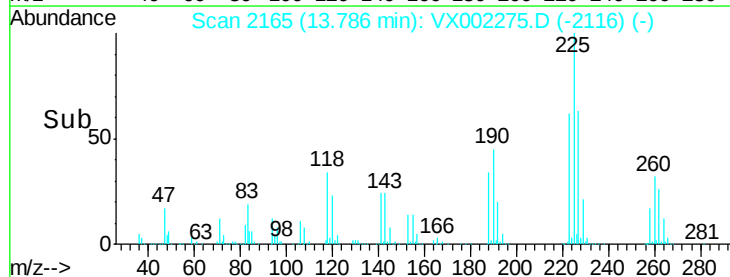
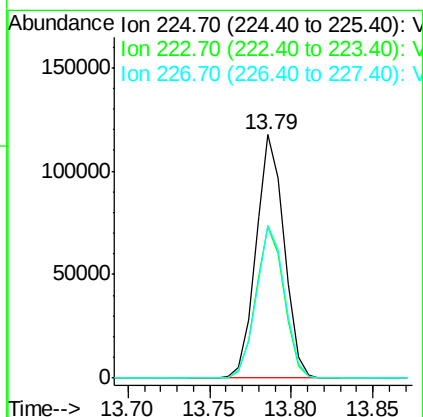
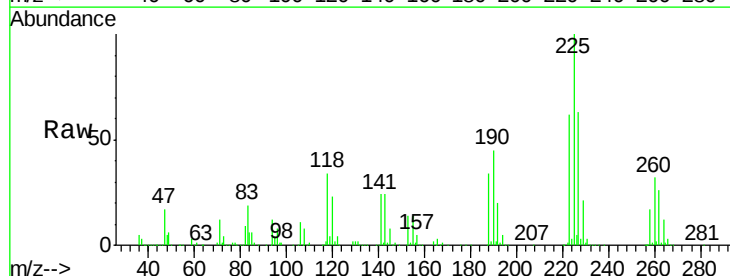
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 294058
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.7 143.1
 145 27.9 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 47.66 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002275.D
 Acq: 04 Jun 2018 22:20

Tgt Ion:225 Resp: 140502
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.6 95.0
 227 63.1 32.4 97.2





#95

Naphthalene

Concen: 50.78 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

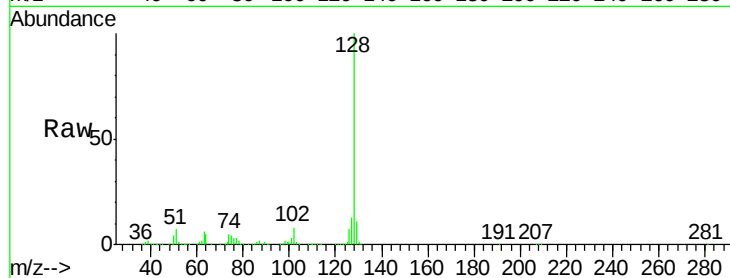
Tot Ion:128 Resp: 870424

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

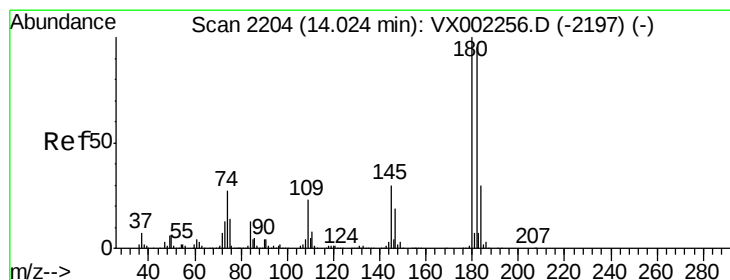
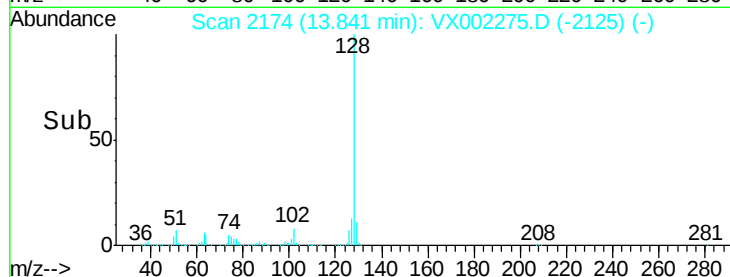
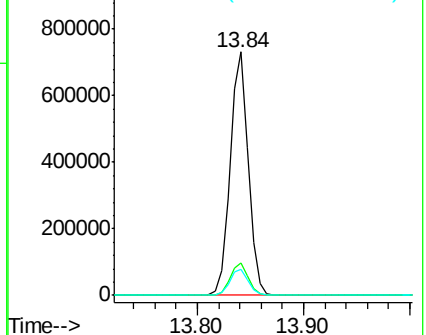
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.00 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002275.D

Acq: 04 Jun 2018 22:20

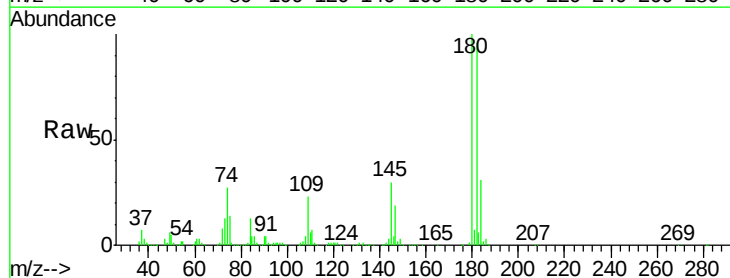
Tgt Ion:180 Resp: 304207

Ion Ratio Lower Upper

180 100

182 96.7 48.0 144.0

145 29.7 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

