

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX032718\
 Data File : VX000457.D
 Acq On : 27 Mar 2018 13:24
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 28 06:50:12 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	140645	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	225504	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	232171	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	152241	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	86492	47.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.22%	
35) Dibromofluoromethane	5.51	113	69115	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
50) Toluene-d8	8.72	98	282194	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
62) 4-Bromofluorobenzene	11.15	95	113001	46.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	86407	55.75	ug/l	98
3) Chloromethane	1.32	50	75554	46.27	ug/l	99
4) Vinyl Chloride	1.40	62	92383	53.54	ug/l	98
5) Bromomethane	1.64	94	115248	55.78	ug/l	96
6) Chloroethane	1.72	64	58938	56.62	ug/l	98
7) Trichlorofluoromethane	1.93	101	157941	50.71	ug/l	97
8) Diethyl Ether	2.19	74	54366	48.85	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	87325	50.29	ug/l	96
10) Methyl Iodide	2.51	142	64945	38.79	ug/l	98
11) Tert butyl alcohol	3.07	59	169427	268.29	ug/l	100
12) 1,1-Dichloroethene	2.38	96	76763	50.35	ug/l	98
13) Acrolein	2.29	56	49126	244.01	ug/l	99
14) Allyl chloride	2.73	41	141330	52.50	ug/l	97
15) Acrylonitrile	3.15	53	324380	253.61	ug/l	100
16) Acetone	2.45	43	424876	278.20	ug/l	96
17) Carbon Disulfide	2.57	76	217113	53.54	ug/l	100
18) Methyl Acetate	2.78	43	163429	51.04	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	275163	48.80	ug/l	99
20) Methylene Chloride	2.86	84	85580	48.51	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	83843	49.30	ug/l	95
22) Diisopropyl ether	3.87	45	273558	57.40	ug/l	97
23) Vinyl Acetate	3.83	43	1330066	294.41	ug/l	99
24) 1,1-Dichloroethane	3.70	63	153831	51.34	ug/l	98
25) 2-Butanone	4.71	43	453717	264.30	ug/l	98
26) 2,2-Dichloropropane	4.59	77	106754	50.83	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	77826	48.97	ug/l	98
28) Bromochloromethane	5.03	49	80242	64.95	ug/l	100
29) Tetrahydrofuran	5.17	42	282342	267.32	ug/l	98
30) Chloroform	5.23	83	147961	52.69	ug/l	94
31) Cyclohexane	5.59	56	120503	52.03	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	128875	50.87	ug/l	98
36) 1,1-Dichloropropene	5.81	75	109972	52.06	ug/l	98
37) Ethyl Acetate	4.87	43	149719	51.89	ug/l	99
38) Carbon Tetrachloride	5.79	117	115519	52.13	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	148447	57.79	ug/l	98
40) Benzene	6.15	78	329110	53.65	ug/l	95
41) Methacrylonitrile	5.07	41	76362	50.20	ug/l	99
42) 1,2-Dichloroethane	6.20	62	126057	52.38	ug/l	99
43) Isopropyl Acetate	6.48	43	235017	54.72	ug/l	99
44) Trichloroethene	7.22	130	92290	52.52	ug/l	97
45) 1,2-Dichloropropane	7.52	63	85153	54.23	ug/l	98
46) Dibromomethane	7.67	93	64317	52.19	ug/l	97
47) Bromodichloromethane	7.90	83	125815	58.02	ug/l	97
48) Methyl methacrylate	7.79	41	115504	55.39	ug/l	99
49) 1,4-Dioxane	7.76	88	49041	1118.90	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	932496	280.49	ug/l	99
52) Toluene	8.79	92	232828	54.29	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	142624	56.76	ug/l	96
54) cis-1,3-Dichloropropene	9.05	75	141684	58.13	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	95327	54.05	ug/l	96
56) Ethyl methacrylate	9.19	69	147739	55.29	ug/l	100
57) 1,3-Dichloropropane	9.38	76	157604	55.87	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	341263	266.08	ug/l	99
59) 2-Hexanone	9.51	43	811310	287.41	ug/l	99
60) Dibromochloromethane	9.59	129	102983	49.40	ug/l	100
61) 1,2-Dibromoethane	9.68	107	103255	54.60	ug/l	99
64) Tetrachloroethene	9.34	164	94931	52.69	ug/l	98
65) Chlorobenzene	10.15	112	267580	51.79	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	93317	53.18	ug/l	98
67) Ethyl Benzene	10.26	91	462881	52.85	ug/l	100
68) m/p-Xylenes	10.37	106	371843	107.89	ug/l	100
69) o-Xylene	10.71	106	178714	53.55	ug/l	99
70) Styrene	10.72	104	306051	55.43	ug/l	100
71) Bromoform	10.87	173	81936	45.31	ug/l #	97
73) Isopropylbenzene	11.02	105	495673	49.14	ug/l	100
74) N-amyl acetate	6.48	43	235017	53.70	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	177845	49.85	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	204406	62.47	ug/l	86
77) Bromobenzene	11.26	156	123163	45.83	ug/l	100
78) n-propylbenzene	11.37	91	605613	50.35	ug/l	99
79) 2-Chlorotoluene	11.43	91	335554	48.29	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	448635	52.90	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	53699	53.14	ug/l	99
82) 4-Chlorotoluene	11.52	91	432340	52.11	ug/l	99
83) tert-Butylbenzene	11.78	119	429193	50.18	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	467145	52.53	ug/l	100
85) sec-Butylbenzene	11.96	105	553405	52.29	ug/l	99
86) p-Isopropyltoluene	12.07	119	509676	54.22	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	251456	49.49	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	274599	51.48	ug/l	99
89) n-Butylbenzene	12.40	91	482548	55.14	ug/l	100
90) Hexachloroethane	12.60	117	78555	53.09	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	258609	51.92	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	48613	48.86	ug/l	96

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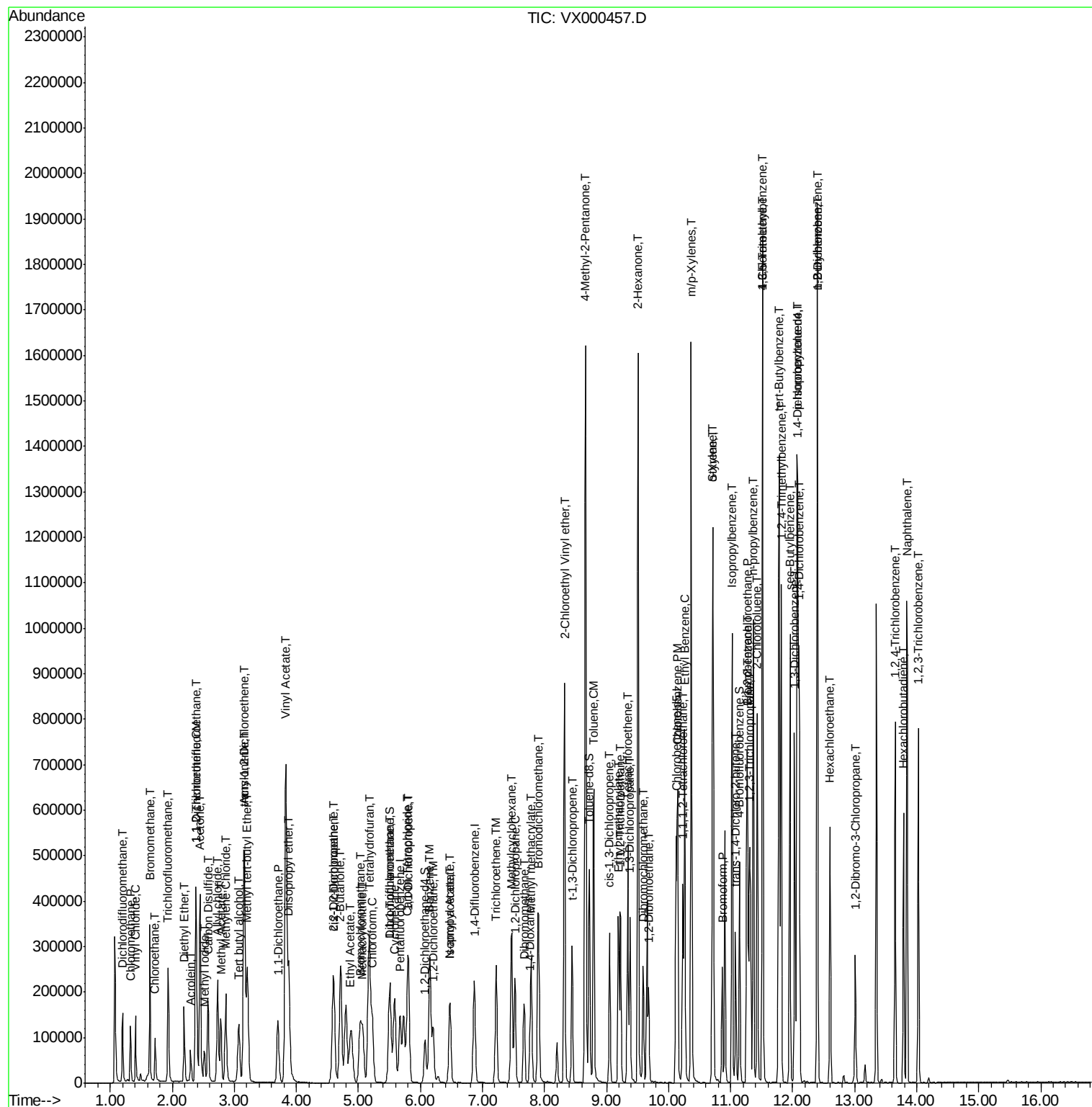
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	181650	50.87	ug/l	98
94) Hexachlorobutadiene	13.79	225	79320	53.65	ug/l	98
95) Naphthalene	13.84	128	621886	49.99	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	172987	49.02	ug/l	98

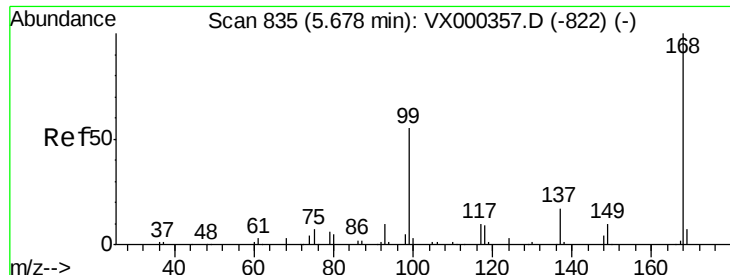
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000457.D

Acq: 27 Mar 2018 13:24

Instrument :

MSVOA_X

ClientSampleId :

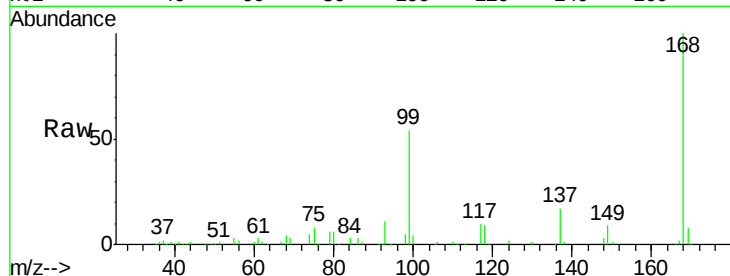
VSTDCCC050

Tgt Ion:168 Resp: 140645

Ion Ratio Lower Upper

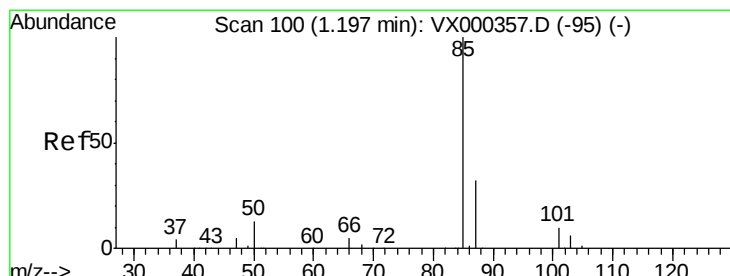
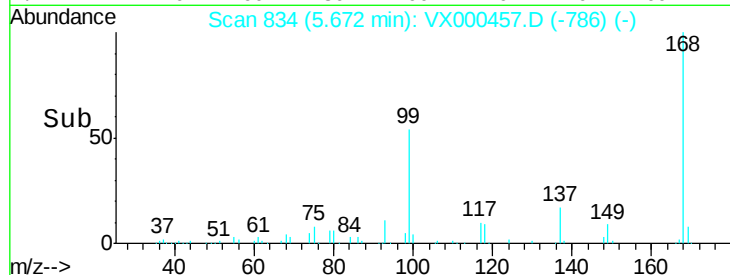
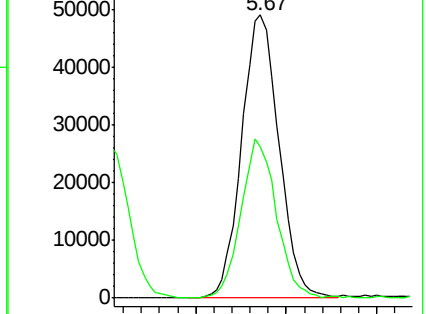
168 100

99 53.6 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 55.75 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000457.D

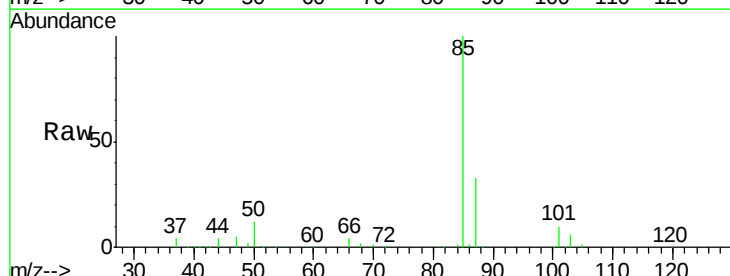
Acq: 27 Mar 2018 13:24

Tgt Ion: 85 Resp: 86407

Ion Ratio Lower Upper

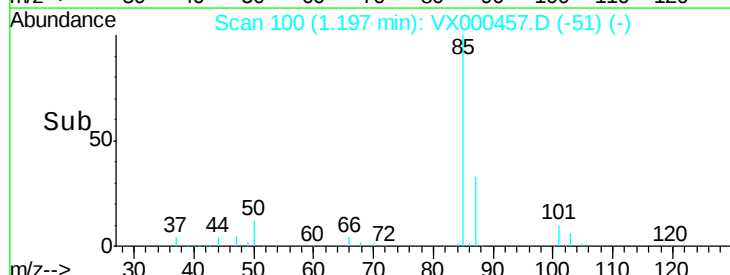
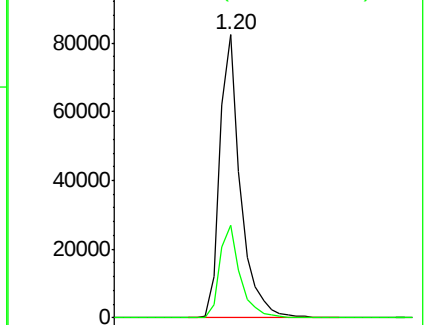
85 100

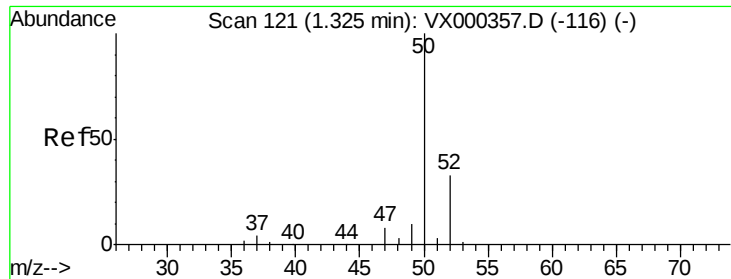
87 32.5 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 46.27 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000457.D

Acq: 27 Mar 2018 13:24

Instrument :

MSVOA_X

ClientSampleId :

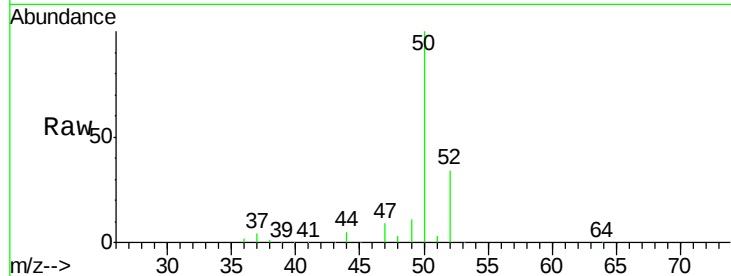
VSTDCCC050

Tgt Ion: 50 Resp: 75554

Ion Ratio Lower Upper

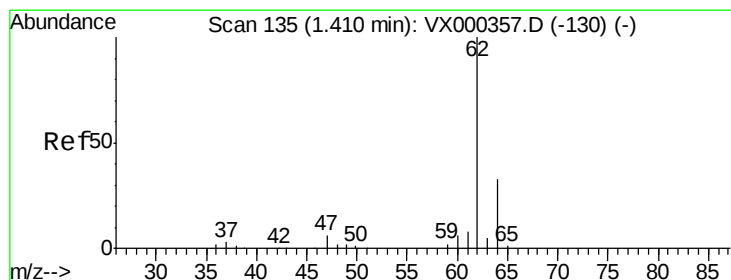
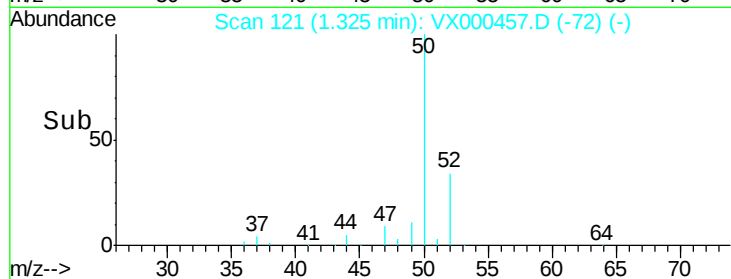
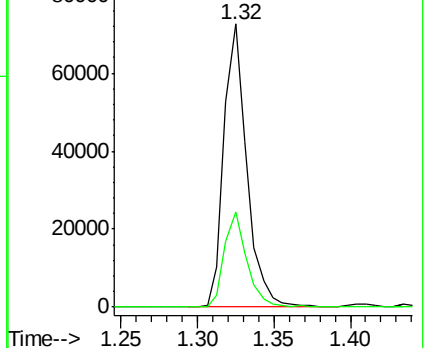
50 100

52 33.7 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 53.54 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX000457.D

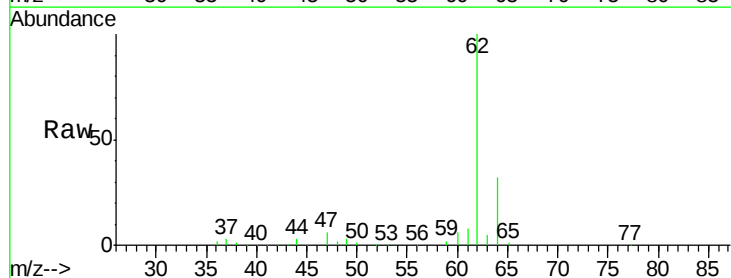
Acq: 27 Mar 2018 13:24

Tgt Ion: 62 Resp: 92383

Ion Ratio Lower Upper

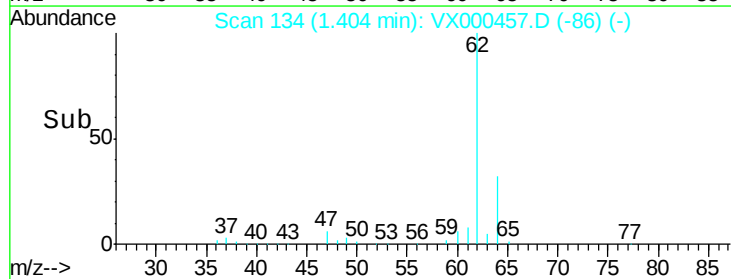
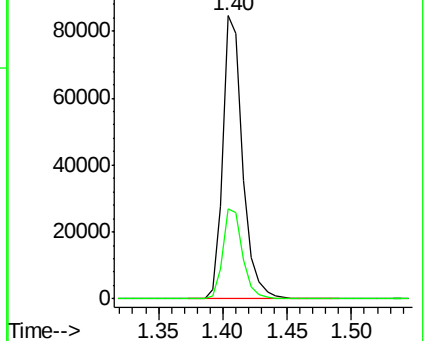
62 100

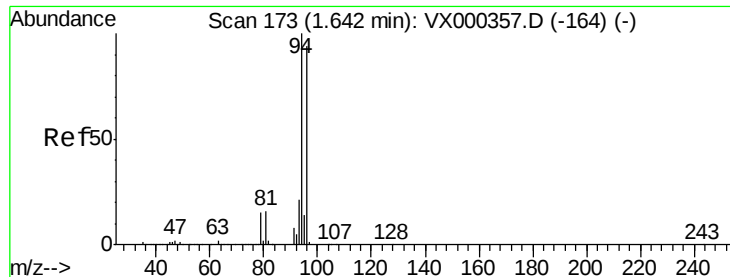
64 32.0 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 55.78 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.01 min

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Acq: 27 Mar 2018 13:24

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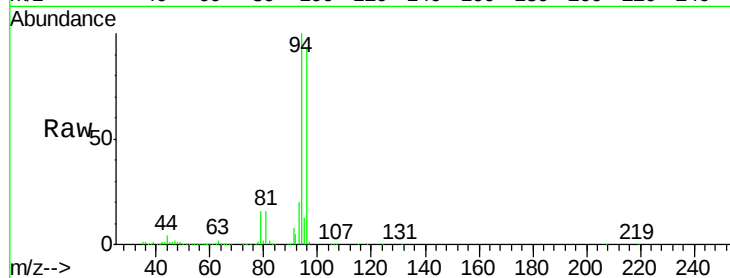
VSTDCCC050

Tgt Ion: 94 Resp: 115248

Ion Ratio Lower Upper

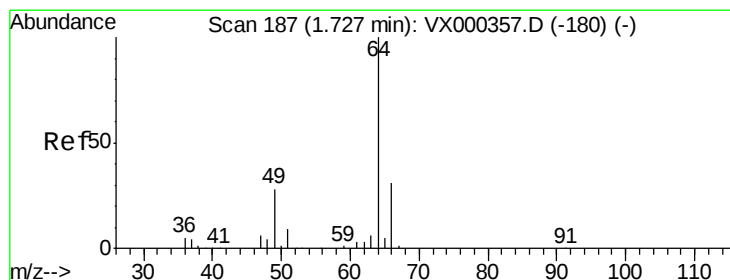
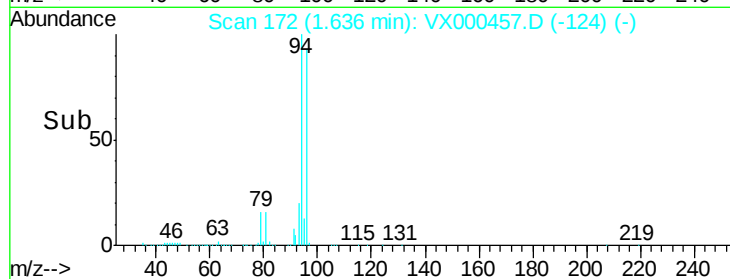
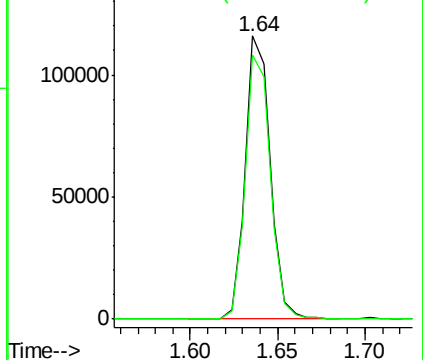
94 100

96 93.4 77.7 116.5



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 56.62 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX000457.D

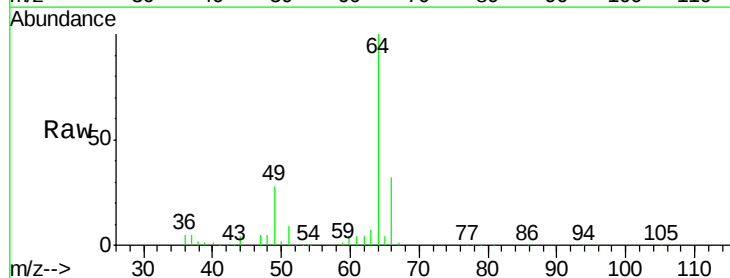
Acq: 27 Mar 2018 13:24

Tgt Ion: 64 Resp: 58938

Ion Ratio Lower Upper

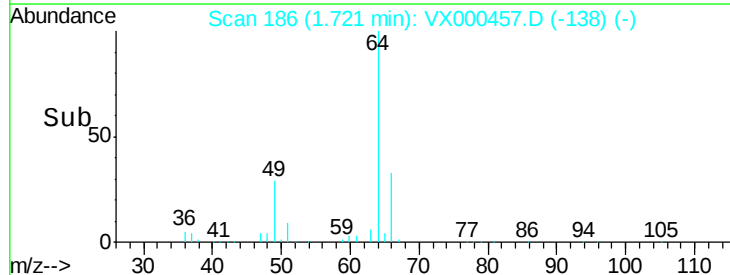
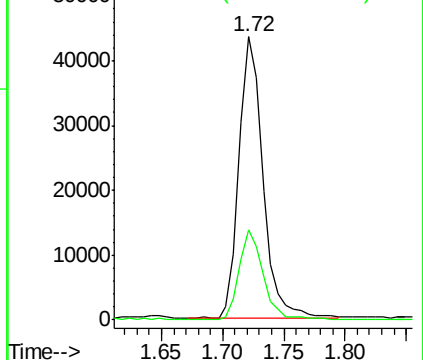
64 100

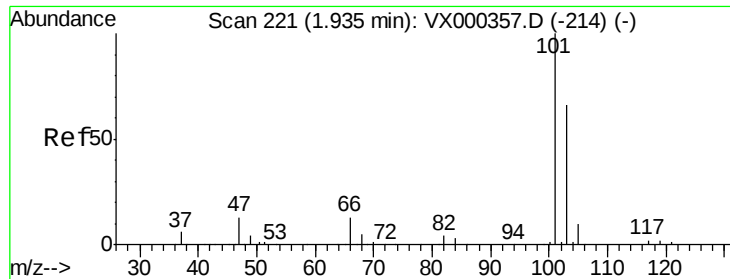
66 32.2 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



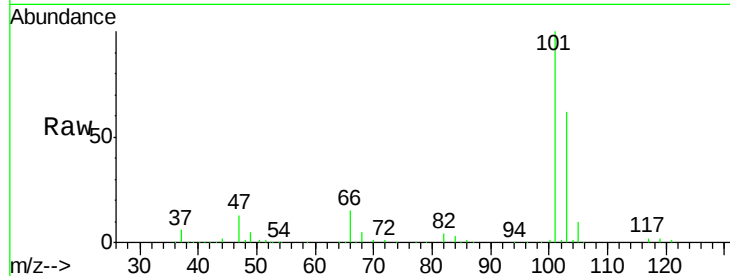


#7

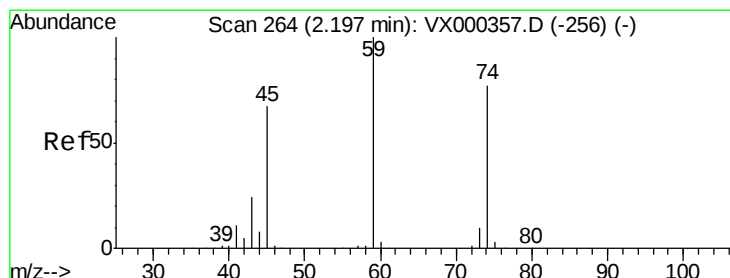
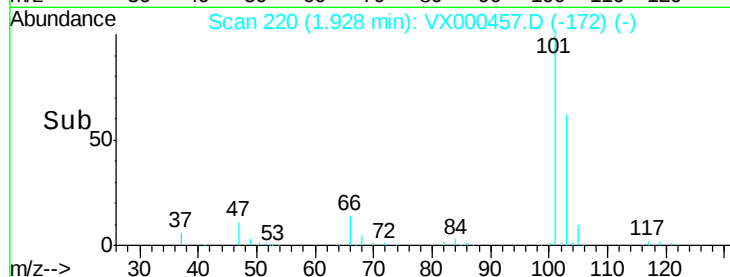
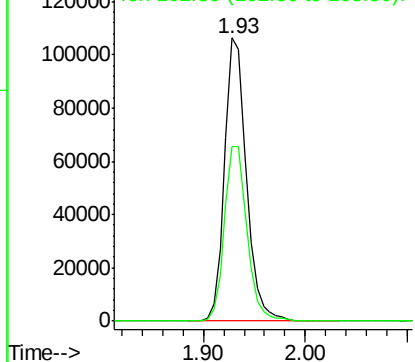
Trichlorofluoromethane
 Concen: 50.71 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VX000457.D
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Tgt Ion:101 Resp: 157941
 Ion Ratio Lower Upper
 101 100
 103 61.9 51.6 77.4



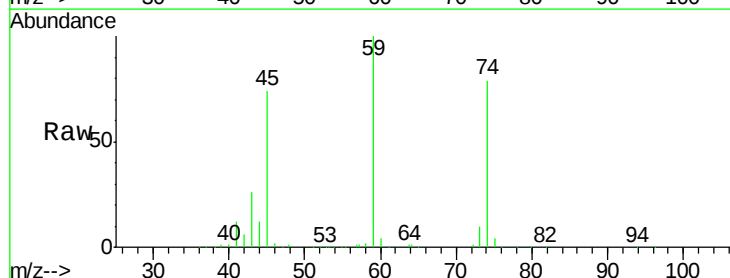
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



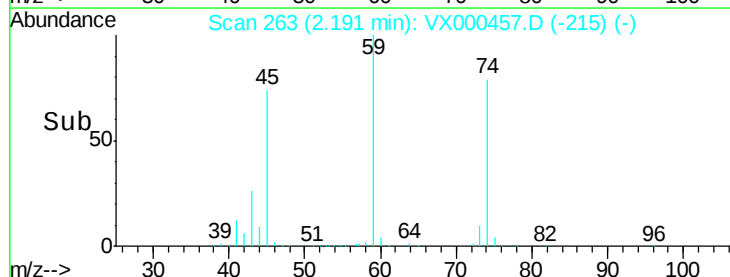
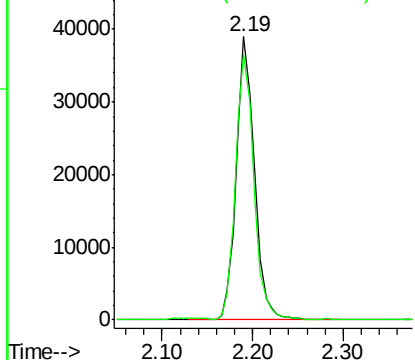
#8

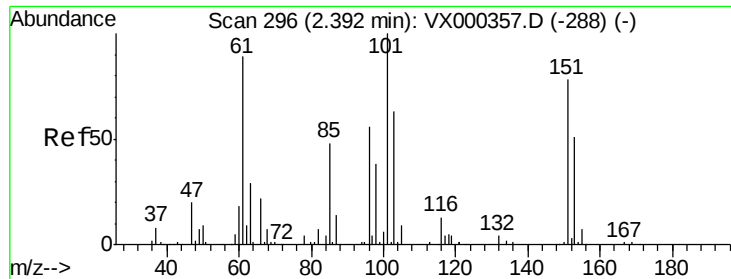
Diethyl Ether
 Concen: 48.85 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.01 min
 Lab File: VX000457.D
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Tgt Ion: 74 Resp: 54366
 Ion Ratio Lower Upper
 74 100
 45 94.2 45.1 135.3



Abundance Ion 74.00 (73.70 to 74.70): VX0
 Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.29 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.01 min

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VSTDCCC050

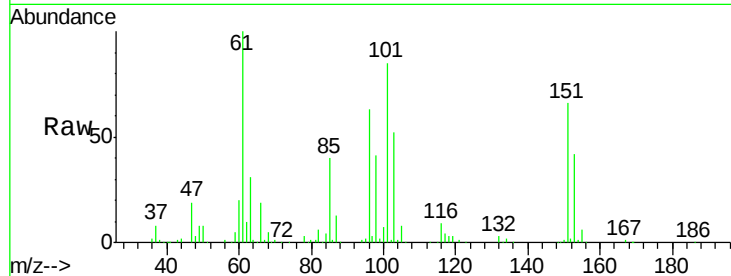
Tgt Ion:101 Resp: 87325

Ion Ratio Lower Upper

101 100

85 49.5 37.6 56.4

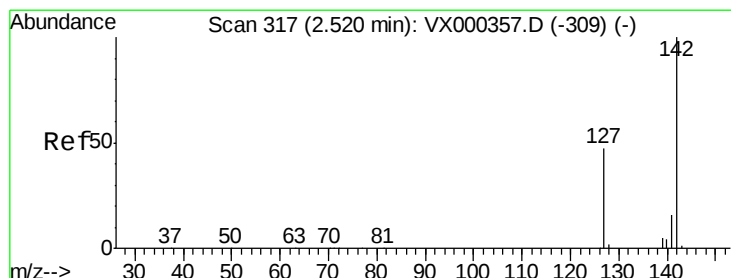
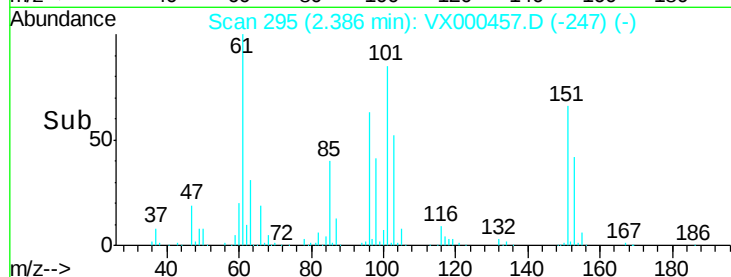
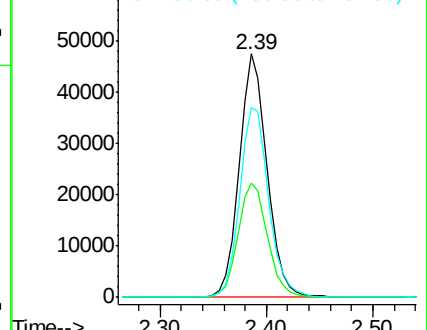
151 81.3 62.6 93.8



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: 38.79 ug/l

RT: 2.51 min Scan# 316

Delta R.T. -0.01 min

Lab File: VX000457.D

Acq: 27 Mar 2018 13:24

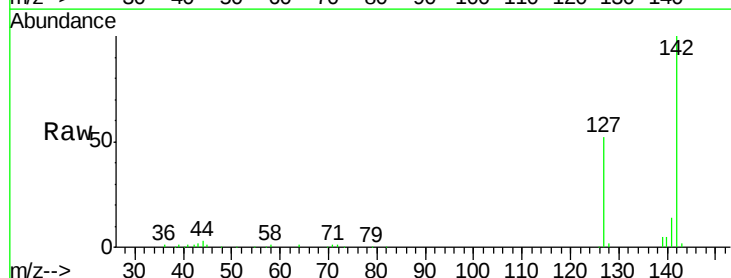
Tgt Ion:142 Resp: 64945

Ion Ratio Lower Upper

142 100

127 50.6 39.2 58.8

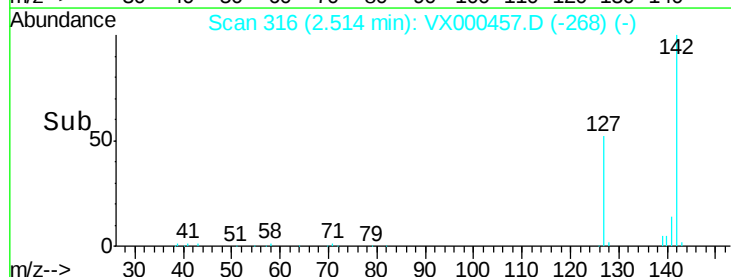
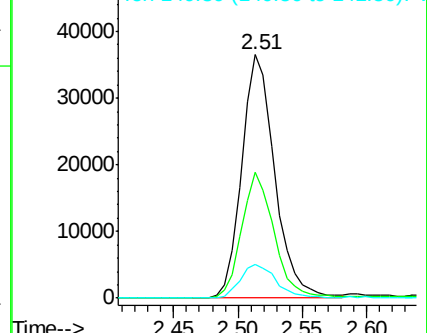
141 14.9 11.7 17.5

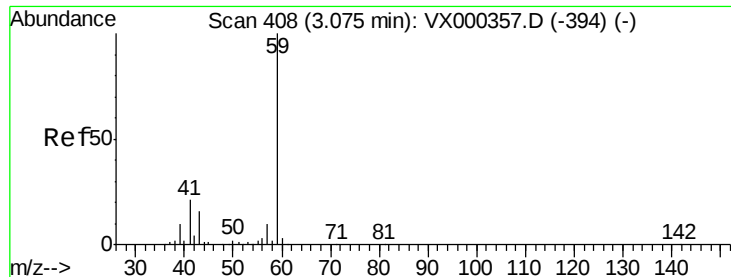


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

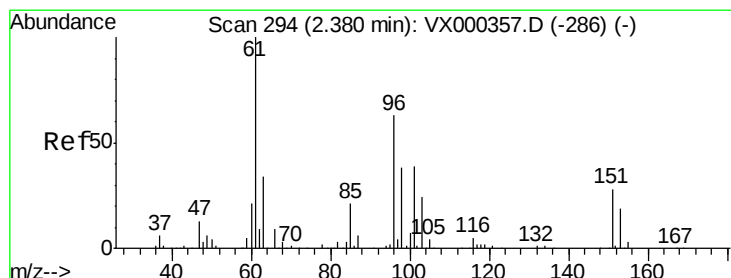
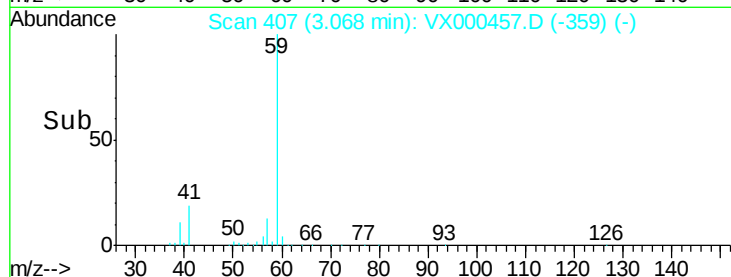
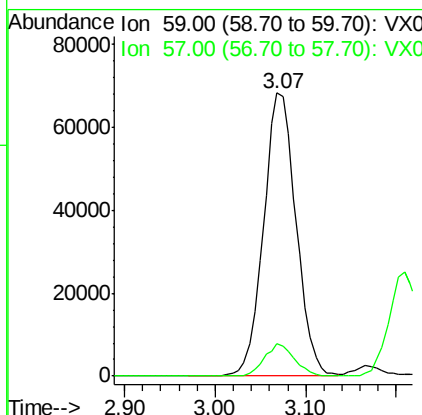
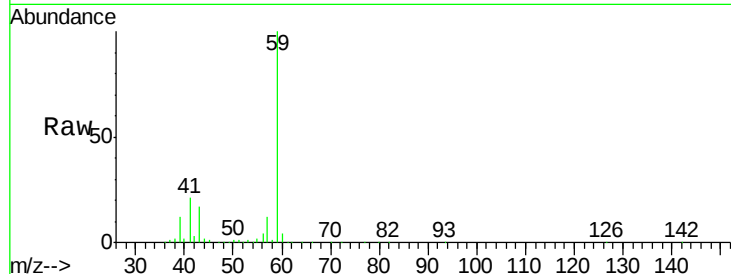




#11
Tert butyl alcohol
Concen: 268.29 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX000457.D
Acq: 27 Mar 2018 13:24

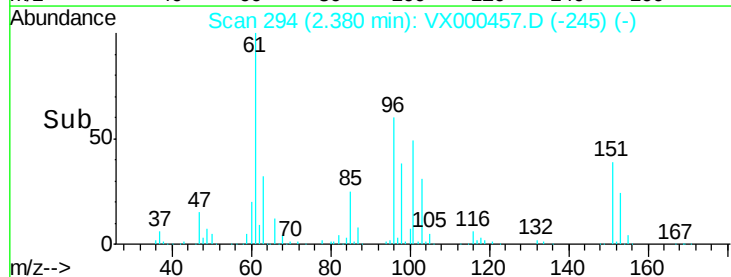
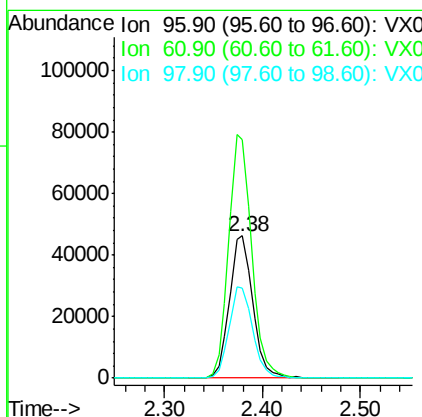
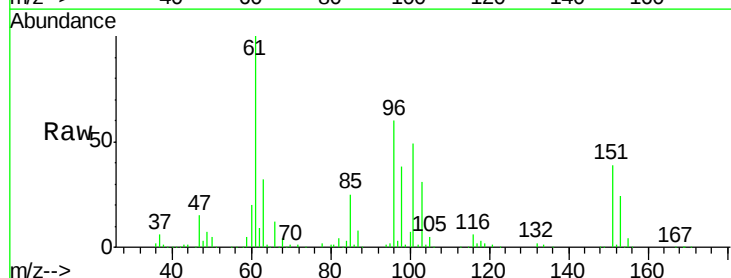
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

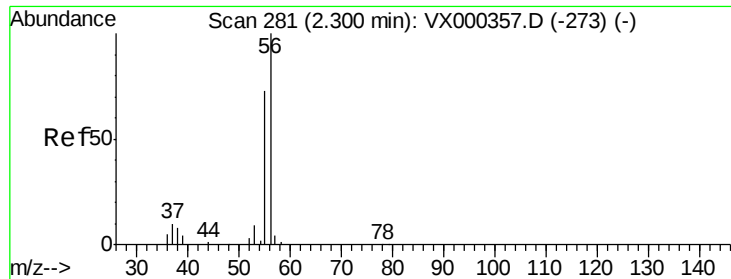
Tgt Ion: 59 Resp: 169427
Ion Ratio Lower Upper
59 100
57 10.6 8.4 12.6



#12
1,1-Dichloroethene
Concen: 50.35 ug/l
RT: 2.38 min Scan# 294
Delta R.T. -0.00 min
Lab File: VX000457.D
Acq: 27 Mar 2018 13:24

Tgt Ion: 96 Resp: 76763
Ion Ratio Lower Upper
96 100
61 167.5 131.2 196.8
98 63.5 49.8 74.8

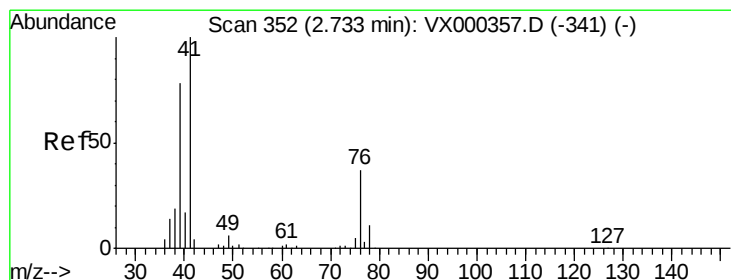
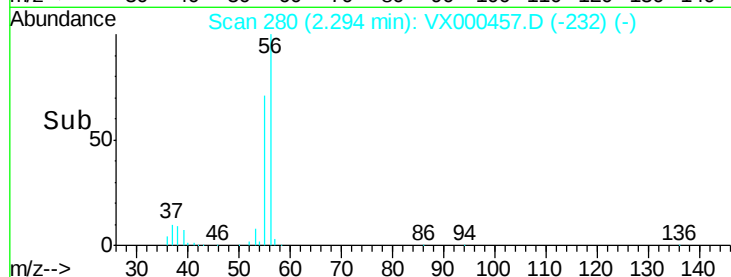
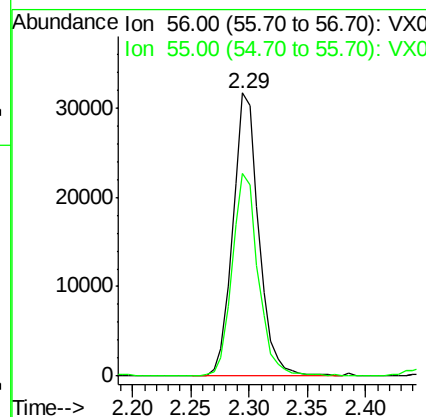
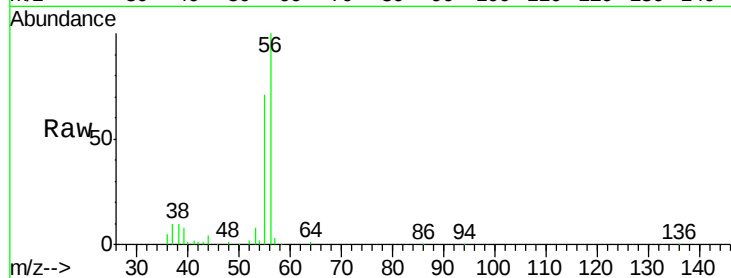




#13
Acrolein
Concen: 244.01 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.01 min
Lab File: VX000457.D
Acq: 27 Mar 2018 13:24

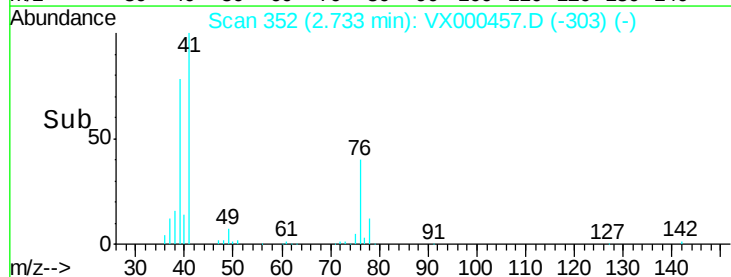
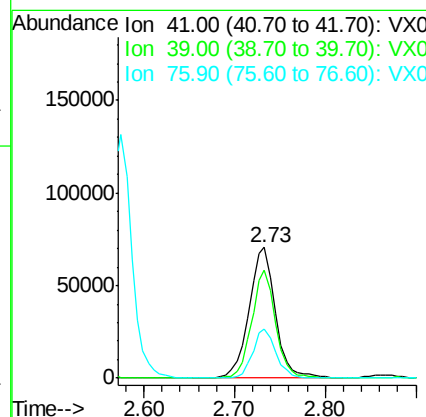
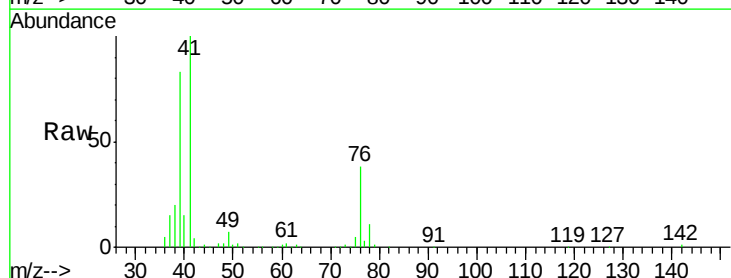
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

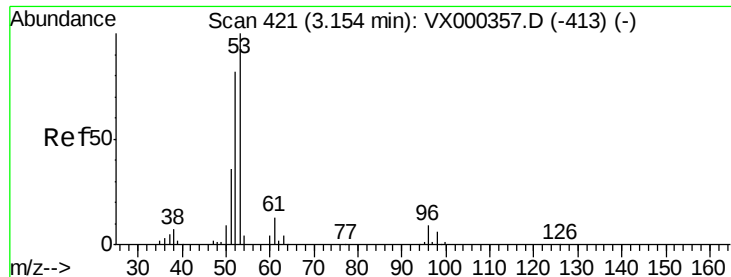
Tgt Ion: 56 Resp: 49126
Ion Ratio Lower Upper
56 100
55 72.3 58.8 88.2



#14
Allyl chloride
Concen: 52.50 ug/l
RT: 2.73 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX000457.D
Acq: 27 Mar 2018 13:24

Tgt Ion: 41 Resp: 141330
Ion Ratio Lower Upper
41 100
39 74.4 57.6 86.4
76 32.8 27.3 40.9





#15

Acrylonitrile

Concen: 253.61 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX000457.D

Acq: 27 Mar 2018 13:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

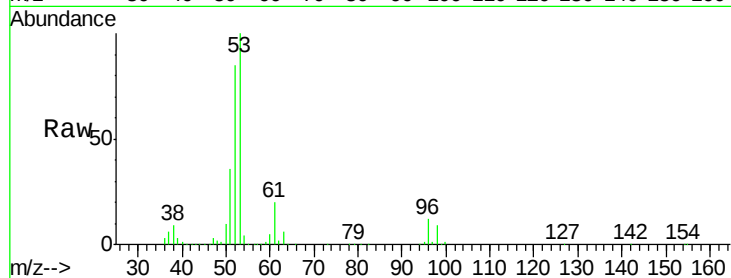
Tgt Ion: 53 Resp: 324380

Ion Ratio Lower Upper

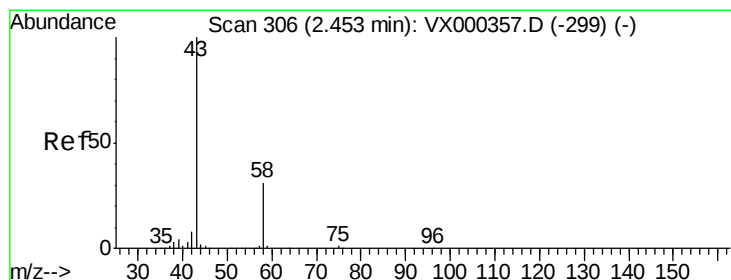
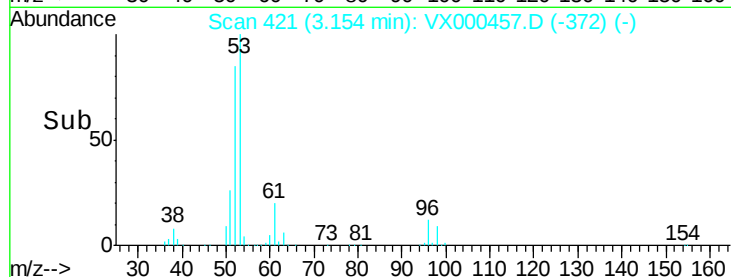
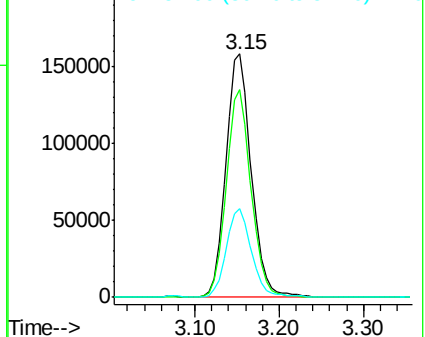
53 100

52 83.5 66.6 99.8

51 36.1 29.3 43.9



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: 278.20 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000457.D

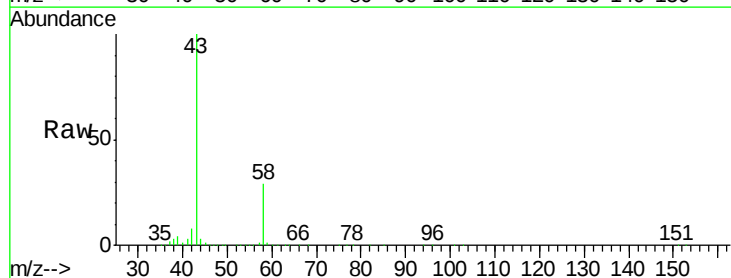
Acq: 27 Mar 2018 13:24

Tgt Ion: 43 Resp: 424876

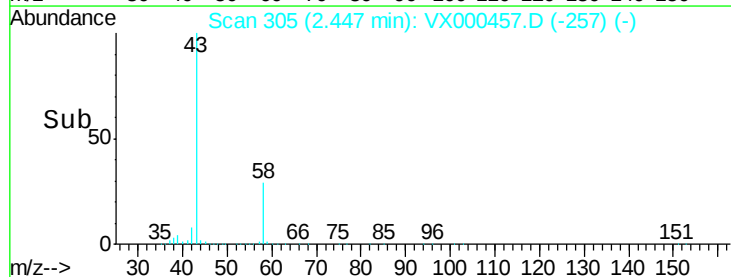
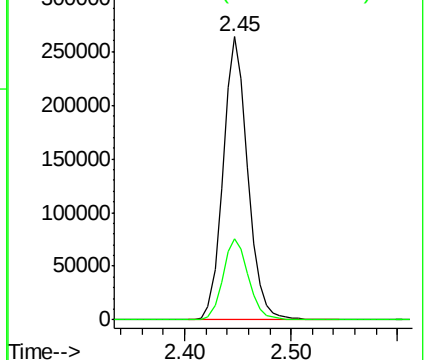
Ion Ratio Lower Upper

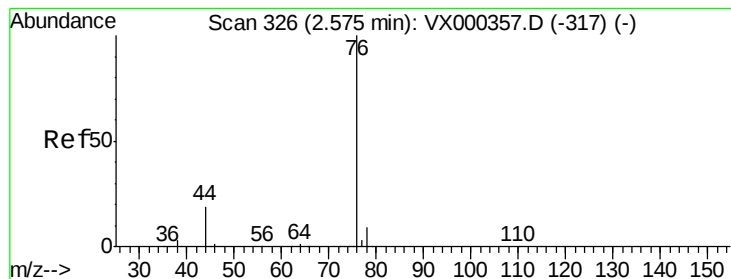
43 100

58 28.5 24.7 37.1



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





#17

Carbon Disulfide

Concen: 53.54 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX000457.D

Acq: 27 Mar 2018 13:24

Instrument :

MSVOA_X

ClientSampleId :

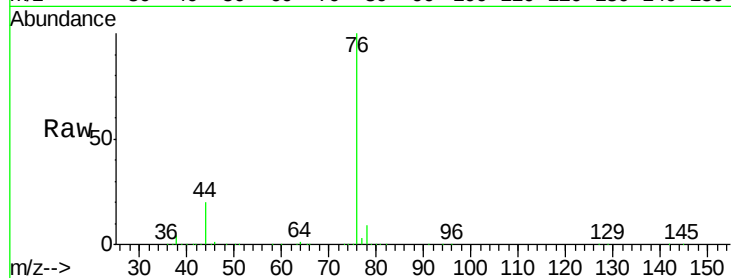
VSTDCCC050

Tgt Ion: 76 Resp: 217113

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

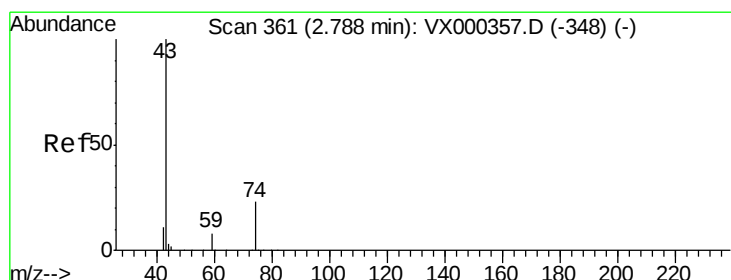
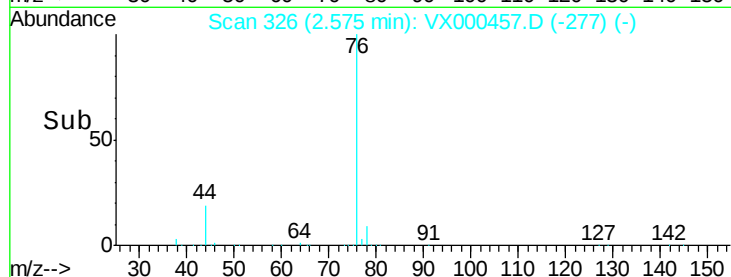
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 51.04 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.01 min

Lab File: VX000457.D

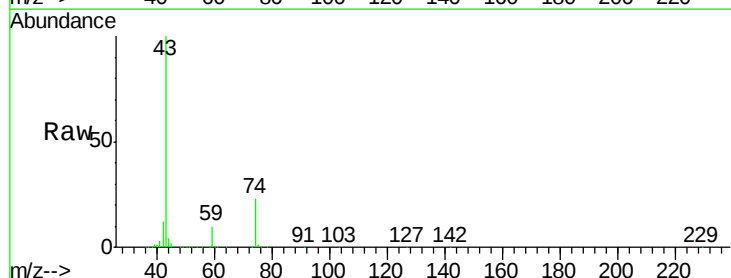
Acq: 27 Mar 2018 13:24

Tgt Ion: 43 Resp: 163429

Ion Ratio Lower Upper

43 100

74 22.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

100000

80000

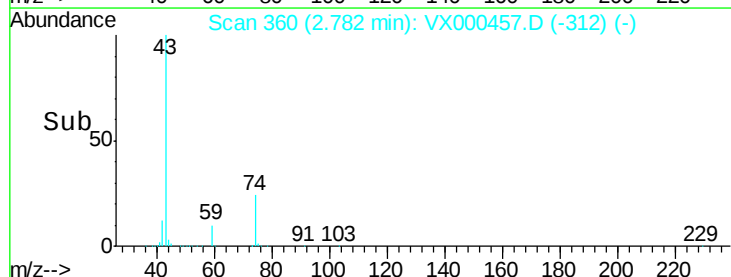
60000

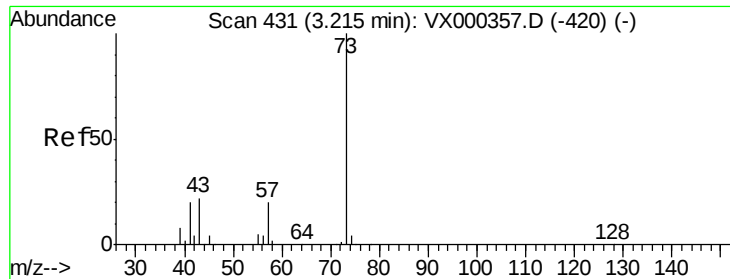
40000

20000

0

Time-->

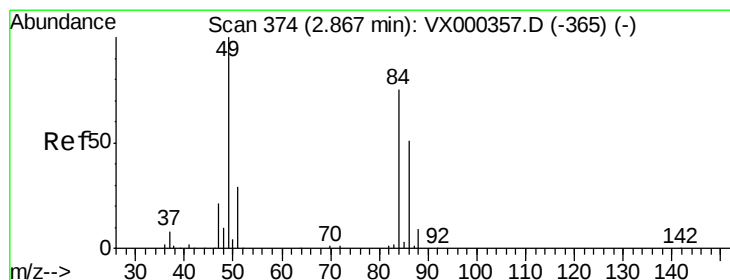
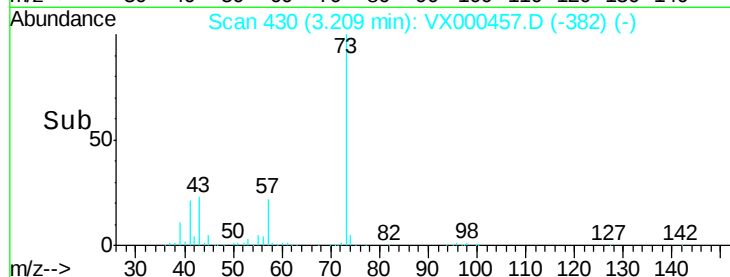
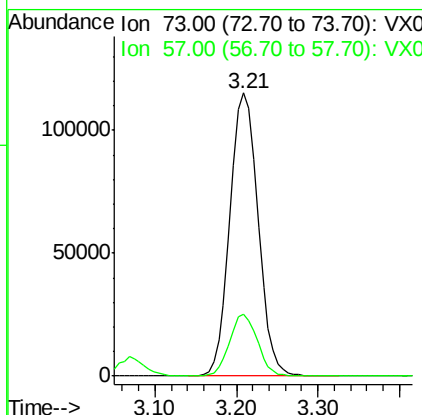
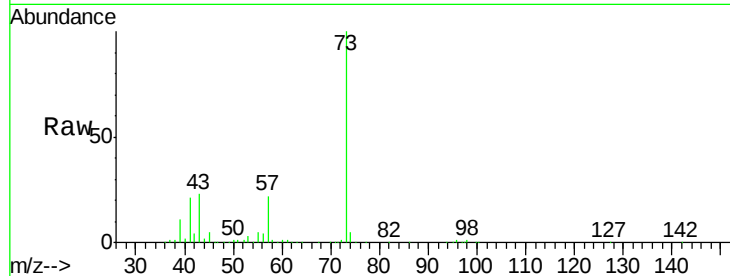




#19
Methyl tert-butyl Ether
Concen: 48.80 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX000457.D
Acq: 27 Mar 2018 13:24

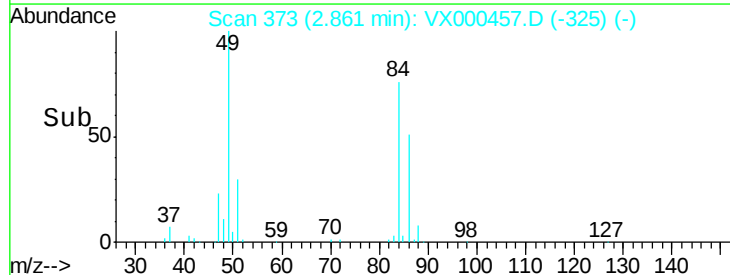
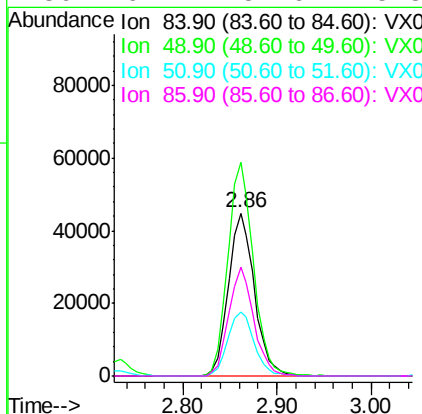
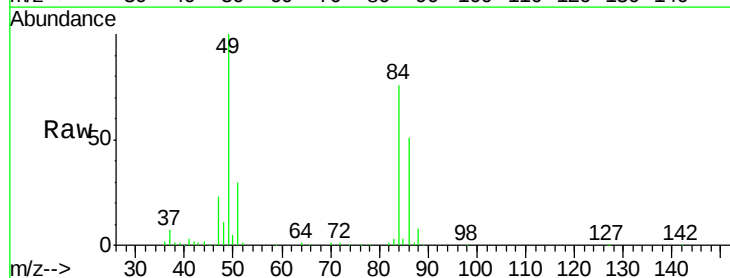
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

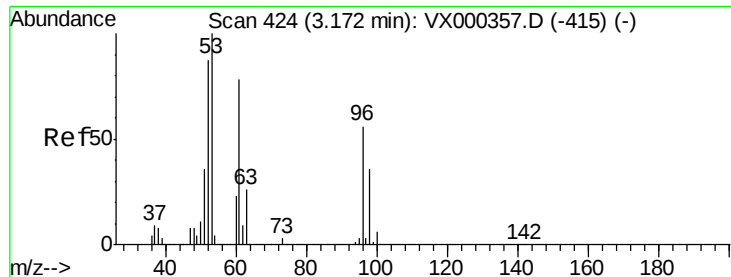
Tgt Ion: 73 Resp: 275163
Ion Ratio Lower Upper
73 100
57 21.8 17.2 25.8



#20
Methylene Chloride
Concen: 48.51 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000457.D
Acq: 27 Mar 2018 13:24

Tgt Ion: 84 Resp: 85580
Ion Ratio Lower Upper
84 100
49 131.3 100.6 151.0
51 39.6 31.6 47.4
86 67.1 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 49.30 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX000457.D

Acq: 27 Mar 2018 13:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

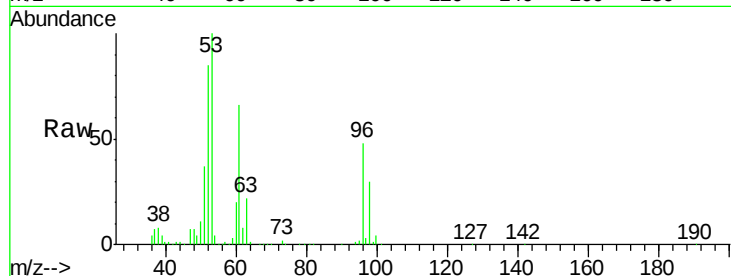
Tgt Ion: 96 Resp: 83843

Ion Ratio Lower Upper

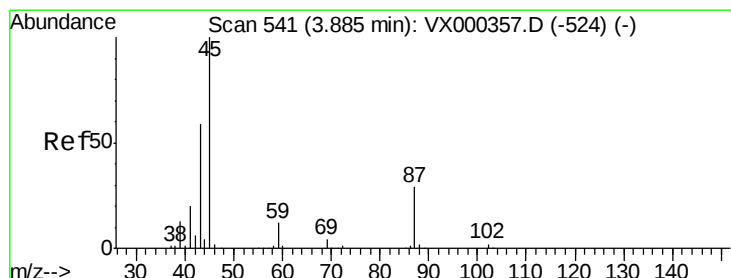
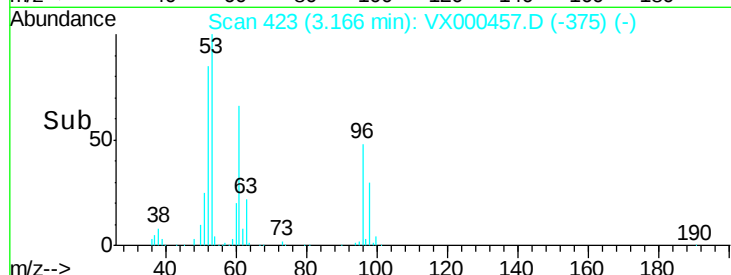
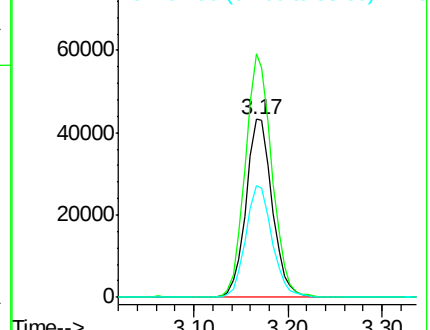
96 100

61 137.0 104.0 156.0

98 62.9 52.1 78.1



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



#22

Diisopropyl ether

Concen: 57.40 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX000457.D

Acq: 27 Mar 2018 13:24

Tgt Ion: 45 Resp: 273558

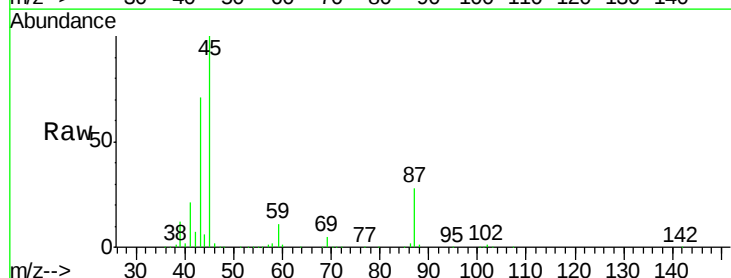
Ion Ratio Lower Upper

45 100

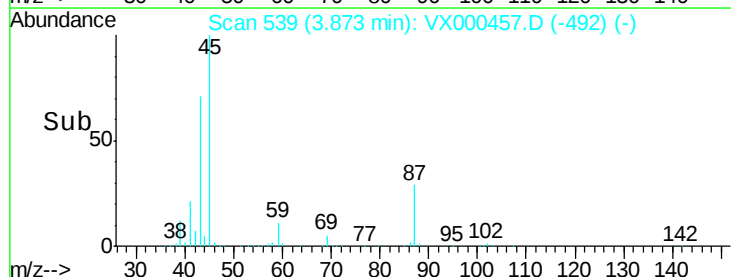
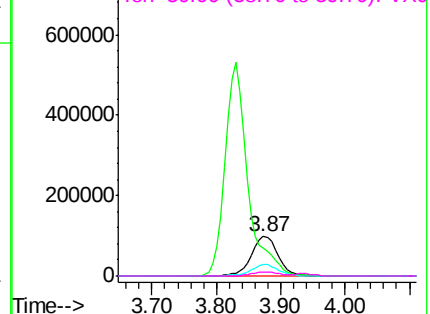
43 70.6 53.9 80.9

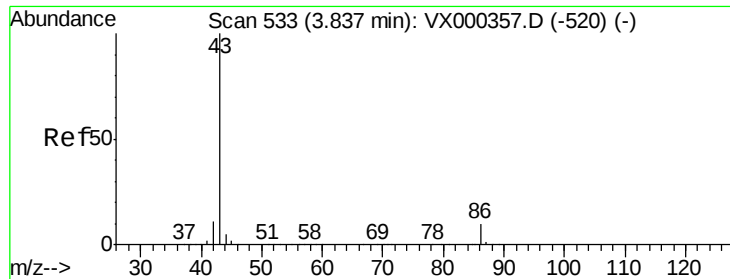
87 28.5 22.6 34.0

59 11.0 9.5 14.3



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





#23

Vinyl Acetate

Concen: 294.41 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.01 min

Lab File: VX000457.D

Acq: 27 Mar 2018 13:24

Instrument :

MSVOA_X

ClientSampleId :

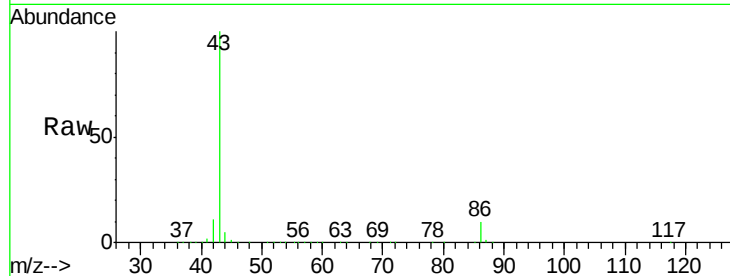
VSTDCCC050

Tgt Ion: 43 Resp: 1330066

Ion Ratio Lower Upper

43 100

86 10.5 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.83

600000

500000

400000

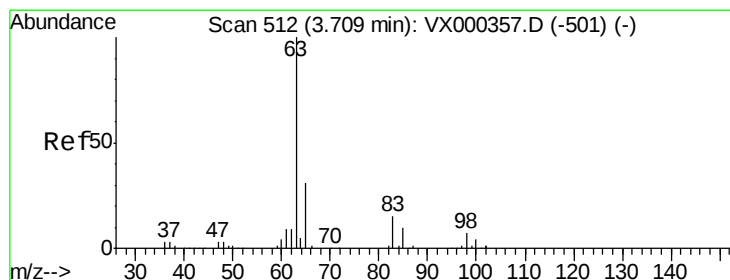
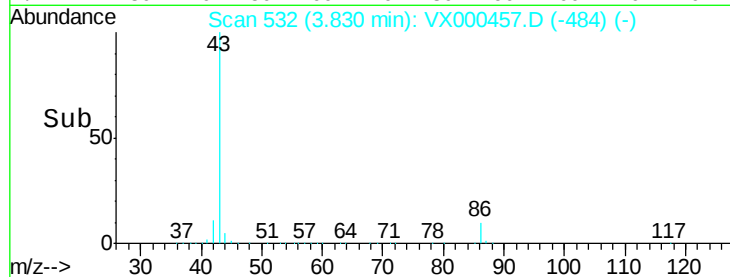
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.34 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.01 min

Lab File: VX000457.D

Acq: 27 Mar 2018 13:24

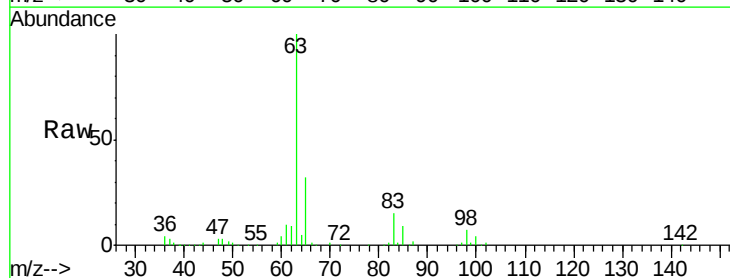
Tgt Ion: 63 Resp: 153831

Ion Ratio Lower Upper

63 100

98 7.2 3.3 9.9

100 4.4 2.0 5.8



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

80000

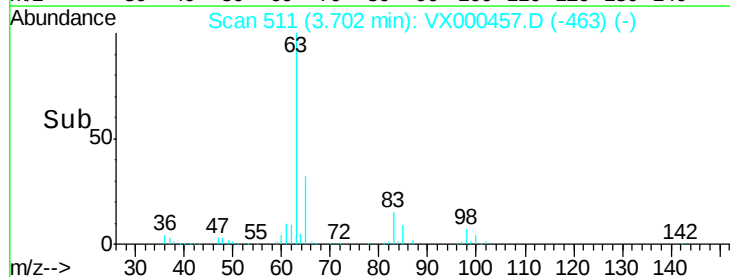
60000

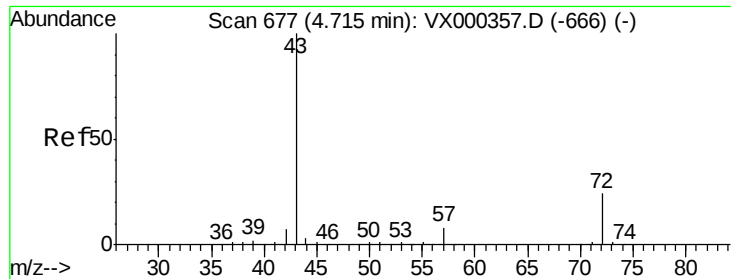
40000

20000

0

Time-->





#25

2-Butanone

Concen: 264.30 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX000457.D

Acq: 27 Mar 2018 13:24

Instrument :

MSVOA_X

ClientSampleId :

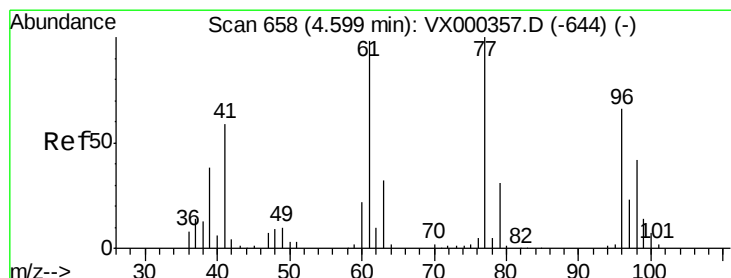
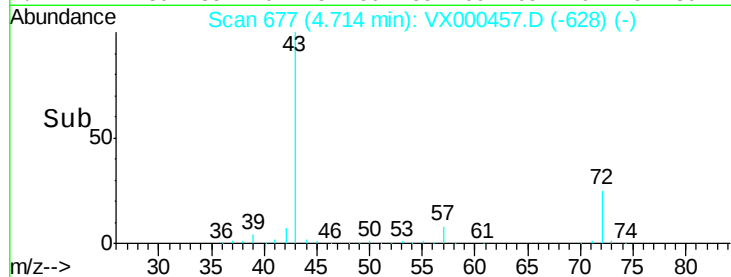
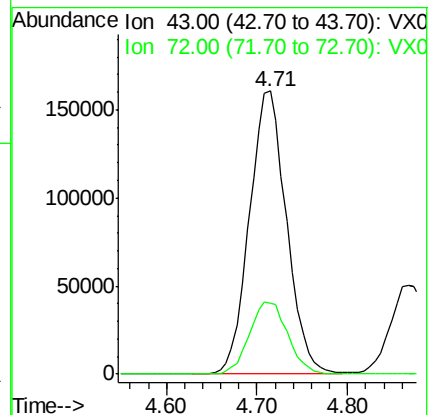
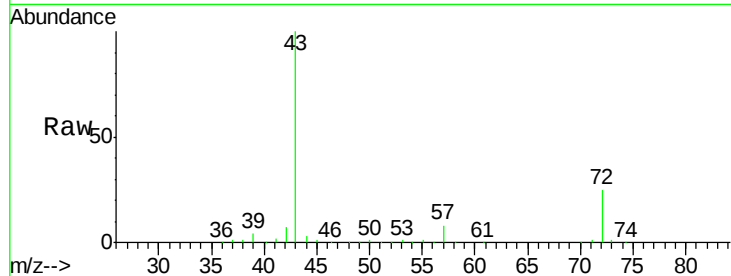
VSTDCCC050

Tgt Ion: 43 Resp: 453717

Ion Ratio Lower Upper

43 100

72 25.1 21.0 31.6



#26

2,2-Dichloropropane

Concen: 50.83 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX000457.D

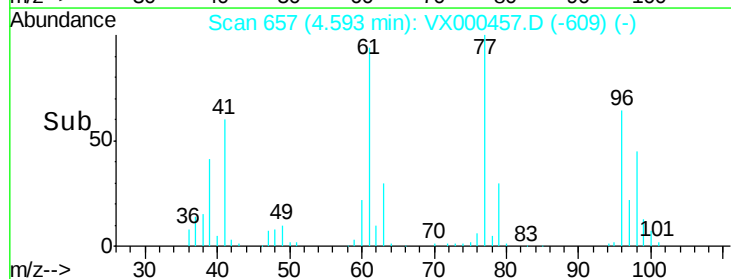
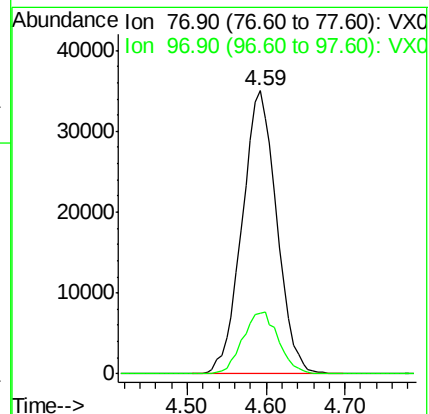
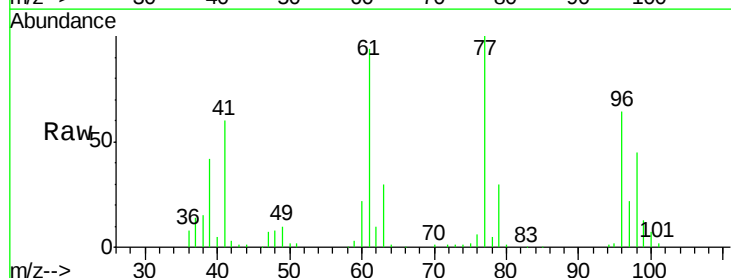
Acq: 27 Mar 2018 13:24

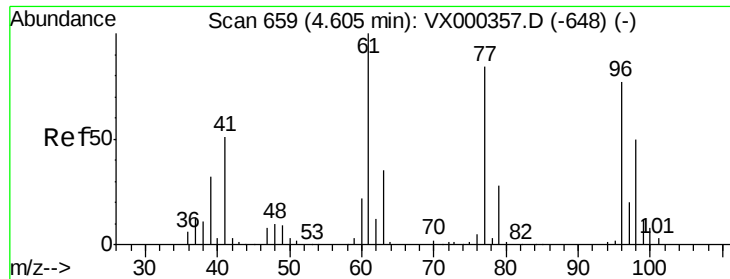
Tgt Ion: 77 Resp: 106754

Ion Ratio Lower Upper

77 100

97 22.6 11.3 33.8



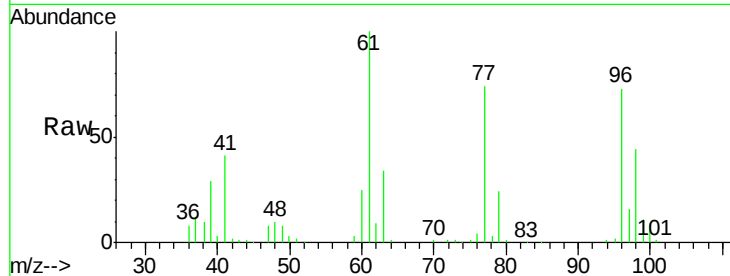


#27

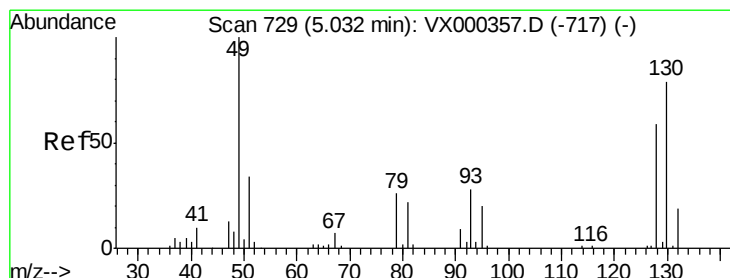
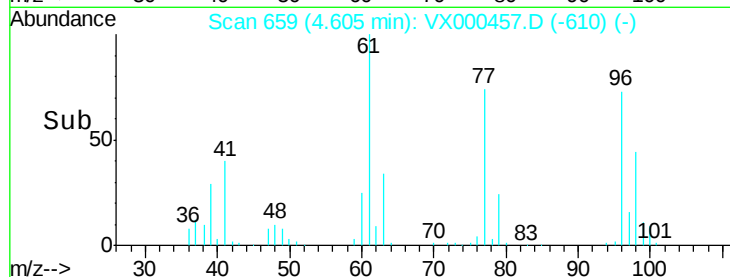
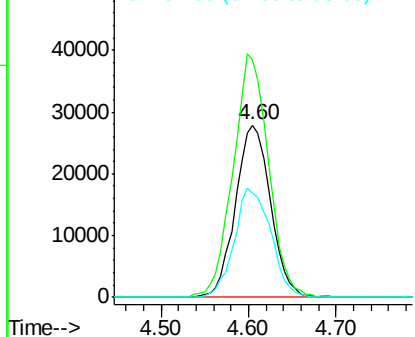
cis-1,2-Dichloroethene
Concen: 48.97 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX000457.D
Acq: 27 Mar 2018 13:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 77826
Ion Ratio Lower Upper
96 100
61 143.0 0.0 291.6
98 65.9 0.0 132.0



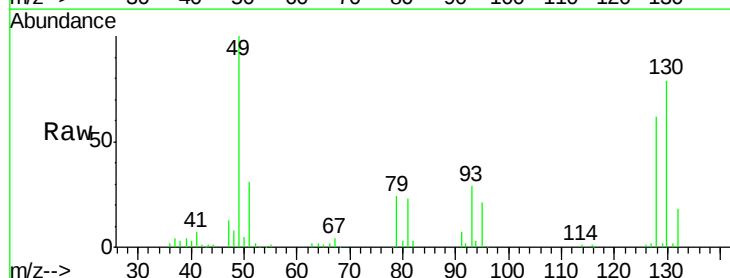
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



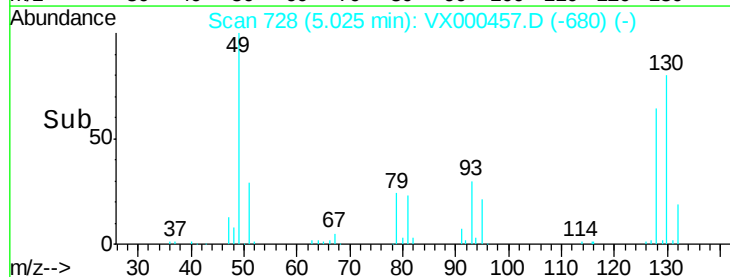
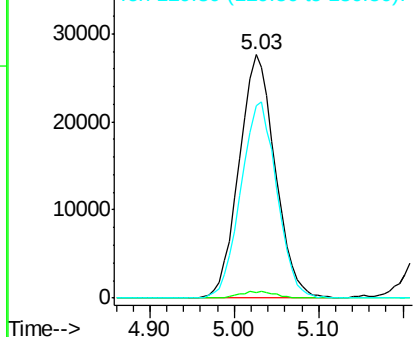
#28

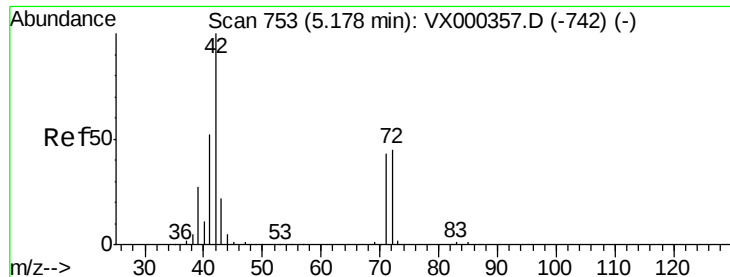
Bromochloromethane
Concen: 64.95 ug/l
RT: 5.03 min Scan# 729
Delta R.T. -0.01 min
Lab File: VX000457.D
Acq: 27 Mar 2018 13:24

Tgt Ion: 49 Resp: 80242
Ion Ratio Lower Upper
49 100
129 2.7 0.0 5.0
130 80.3 64.0 96.0



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

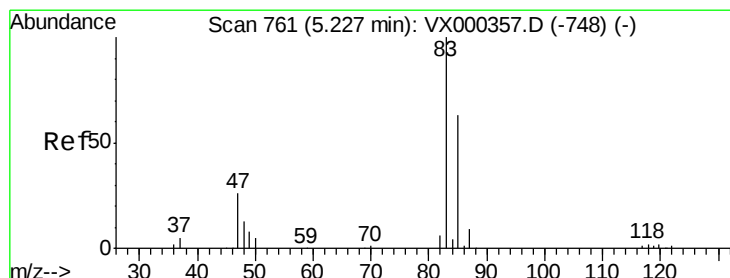
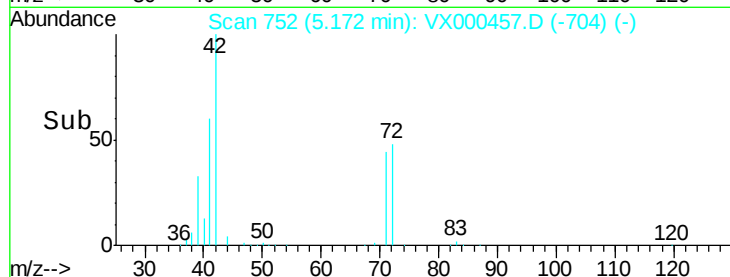
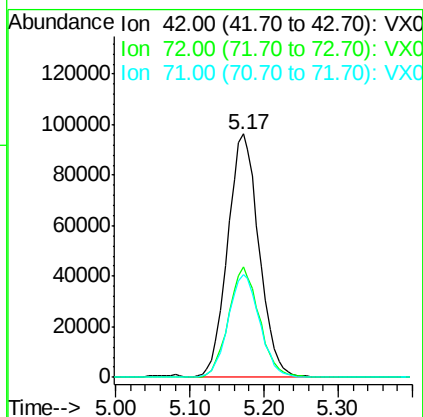
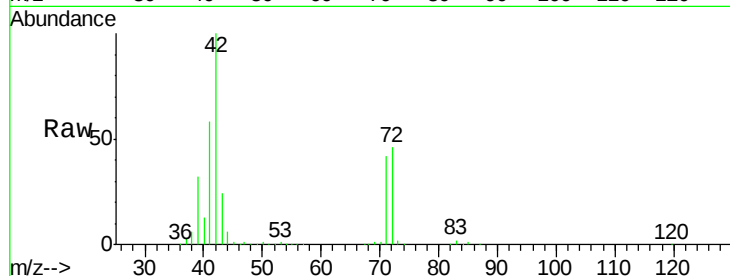




#29
Tetrahydrofuran
Concen: 267.32 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX000457.D
Acq: 27 Mar 2018 13:24

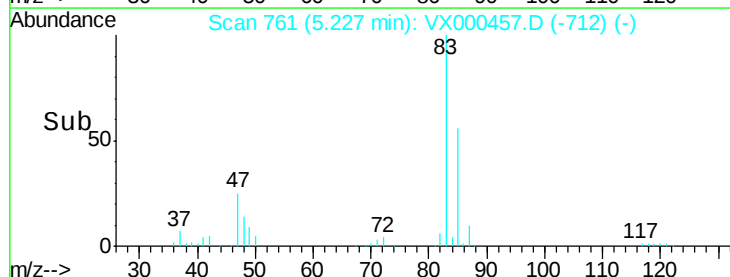
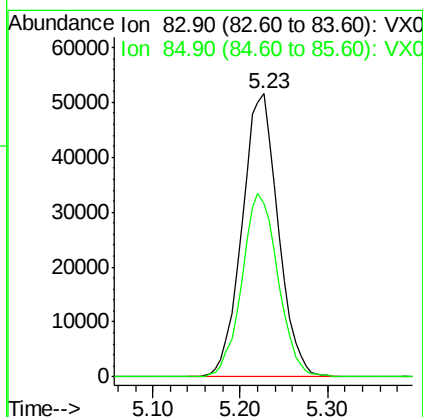
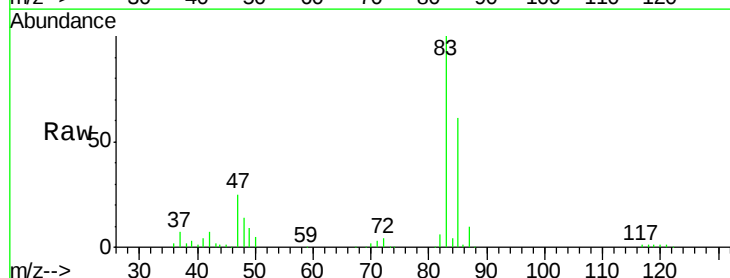
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

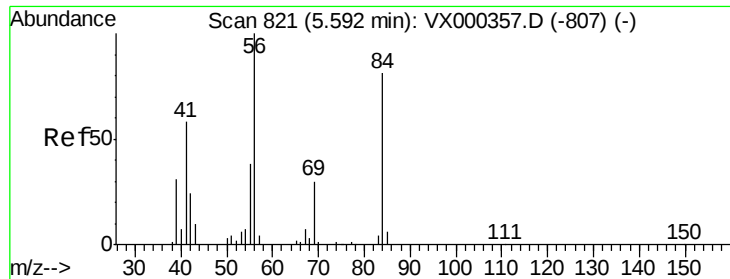
Tgt Ion: 42 Resp: 282342
Ion Ratio Lower Upper
42 100
72 44.8 37.9 56.9
71 42.6 34.4 51.6



#30
Chloroform
Concen: 52.69 ug/l
RT: 5.23 min Scan# 761
Delta R.T. -0.00 min
Lab File: VX000457.D
Acq: 27 Mar 2018 13:24

Tgt Ion: 83 Resp: 147961
Ion Ratio Lower Upper
83 100
85 61.4 53.3 79.9

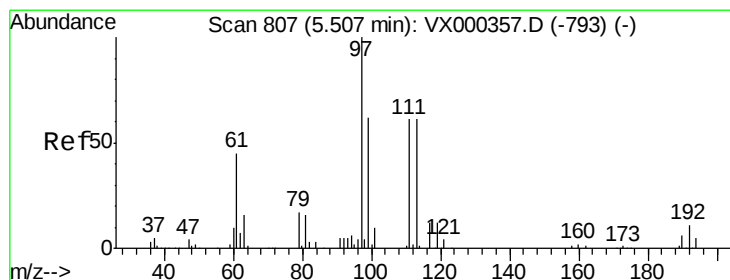
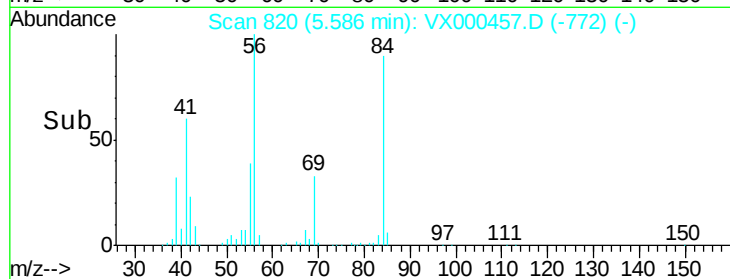
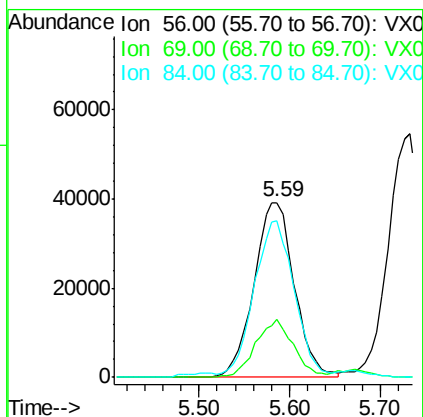
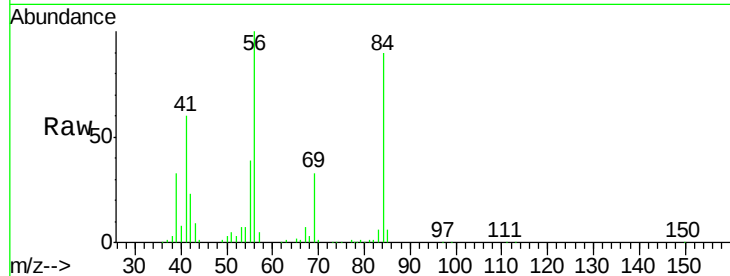




#31
Cyclohexane
Concen: 52.03 ug/l
RT: 5.59 min Scan# 820
Delta R.T. -0.01 min
Lab File: VX000457.D
Acq: 27 Mar 2018 13:24

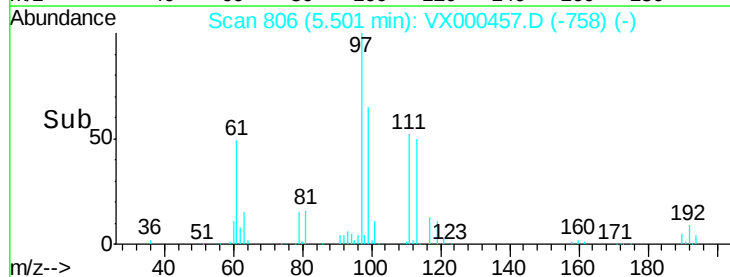
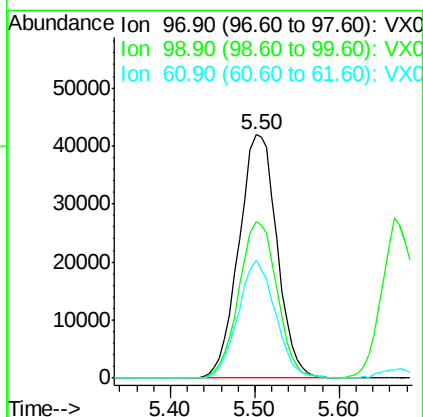
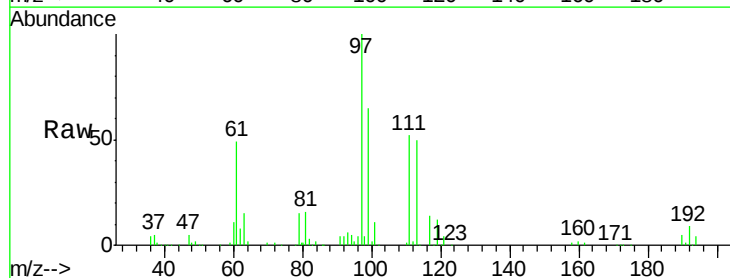
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

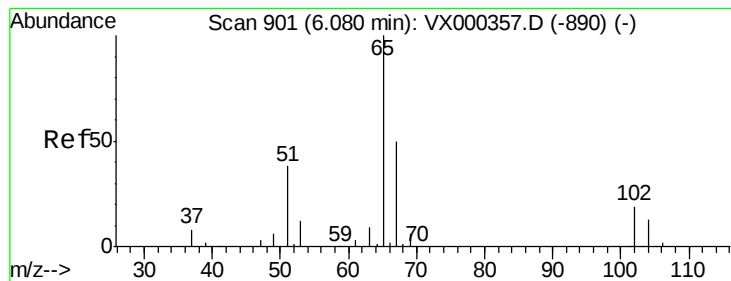
Tgt Ion: 56 Resp: 120503
Ion Ratio Lower Upper
56 100
69 33.0 23.4 35.0
84 88.4 71.0 106.4



#32
1,1,1-Trichloroethane
Concen: 50.87 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX000457.D
Acq: 27 Mar 2018 13:24

Tgt Ion: 97 Resp: 128875
Ion Ratio Lower Upper
97 100
99 64.4 52.1 78.1
61 47.3 36.2 54.4





#33

1,2-Dichloroethane-d4

Concen: 47.11 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.01 min

Lab File: VX000457.D

Acq: 27 Mar 2018 13:24

Instrument :

MSVOA_X

ClientSampleId :

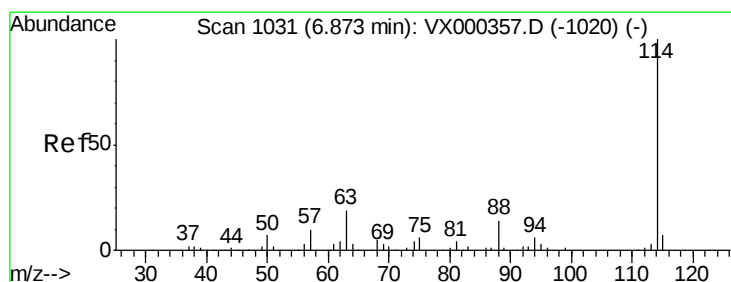
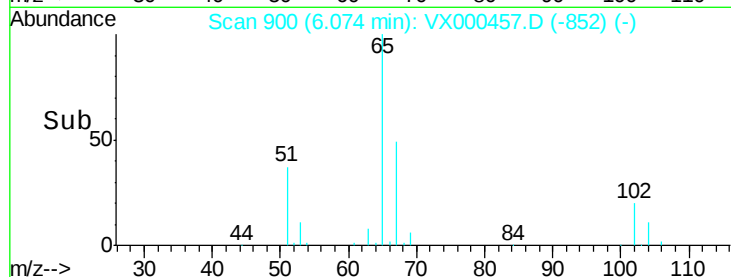
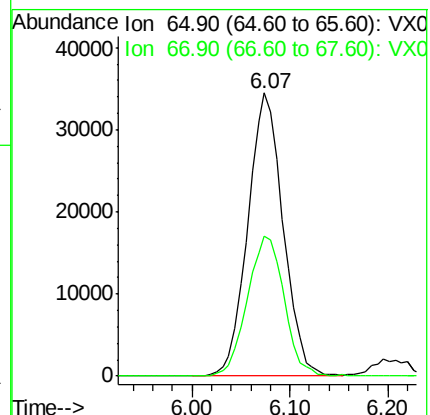
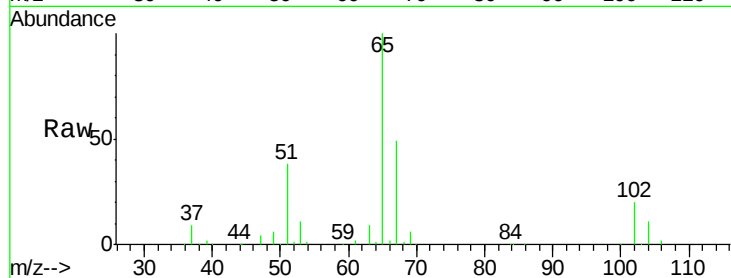
VSTDCCC050

Tgt Ion: 65 Resp: 86492

Ion Ratio Lower Upper

65 100

67 51.4 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VX000457.D

Acq: 27 Mar 2018 13:24

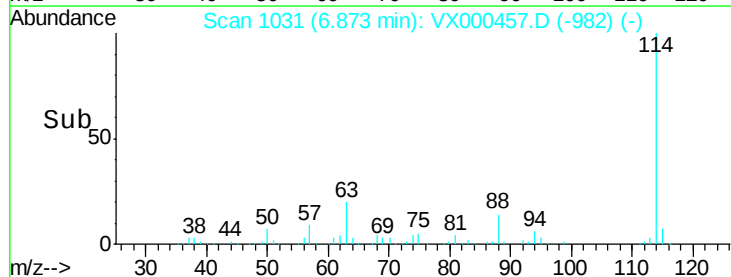
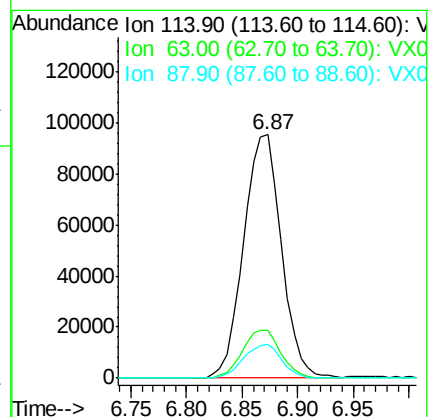
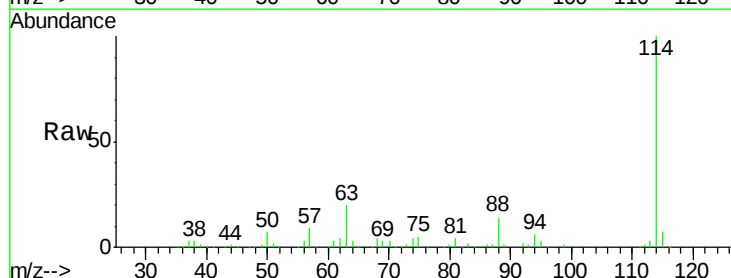
Tgt Ion: 114 Resp: 225504

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.4

88 13.8 0.0 27.0





#35

Dibromofluoromethane

Concen: 48.64 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX000457.D

Acq: 27 Mar 2018 13:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

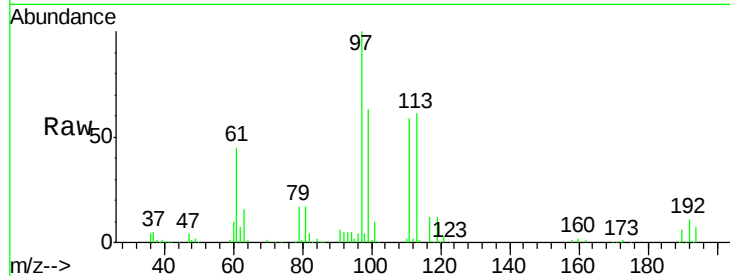
Tgt Ion:113 Resp: 69115

Ion Ratio Lower Upper

113 100

111 101.0 82.4 123.6

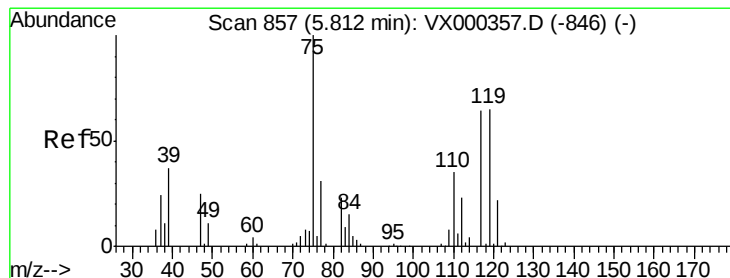
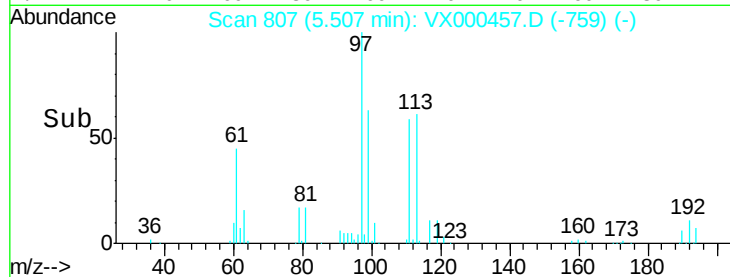
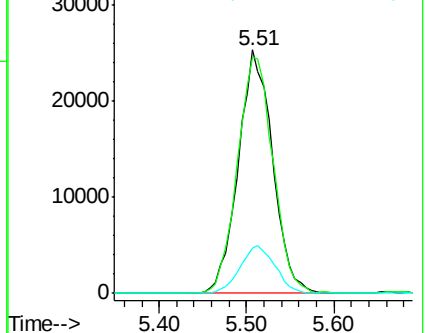
192 20.0 15.8 23.6



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: 52.06 ug/l

RT: 5.81 min Scan# 856

Delta R.T. -0.01 min

Lab File: VX000457.D

Acq: 27 Mar 2018 13:24

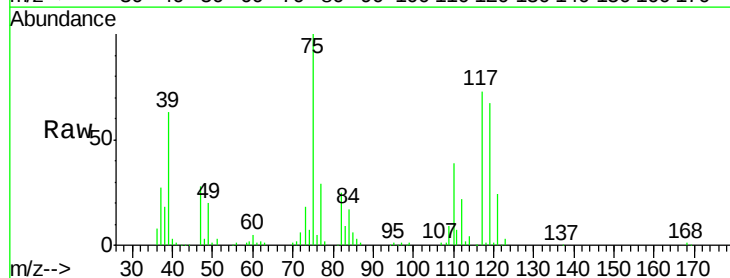
Tgt Ion: 75 Resp: 109972

Ion Ratio Lower Upper

75 100

110 37.5 17.9 53.7

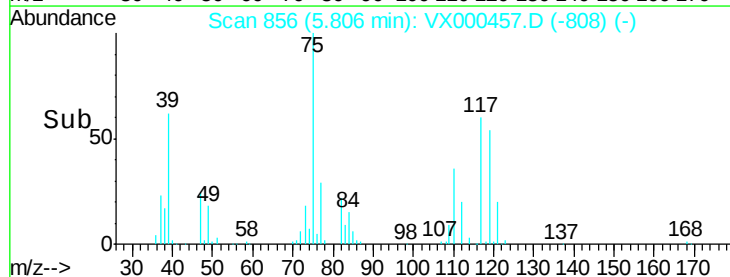
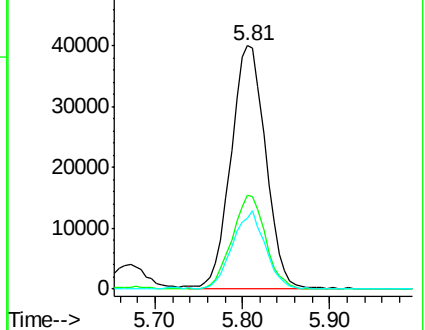
77 30.5 24.0 36.0

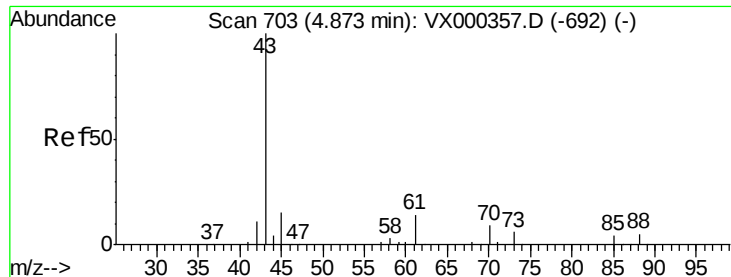


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 51.89 ug/l

RT: 4.87 min Scan# 702

Delta R.T. -0.01 min

Lab File: VX000457.D

Acq: 27 Mar 2018 13:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

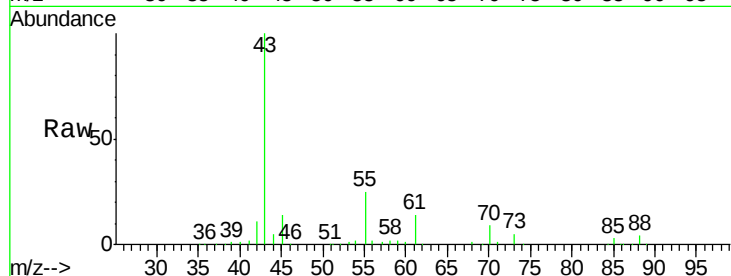
Tgt Ion: 43 Resp: 149719

Ion Ratio Lower Upper

43 100

61 13.5 11.1 16.7

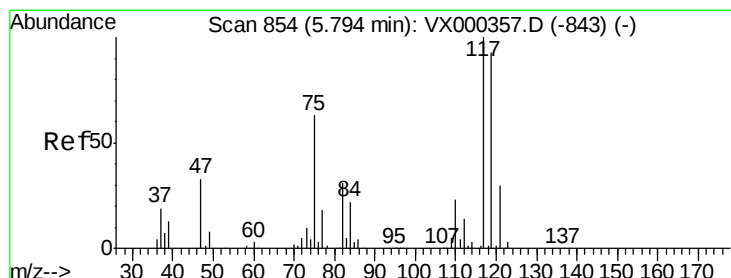
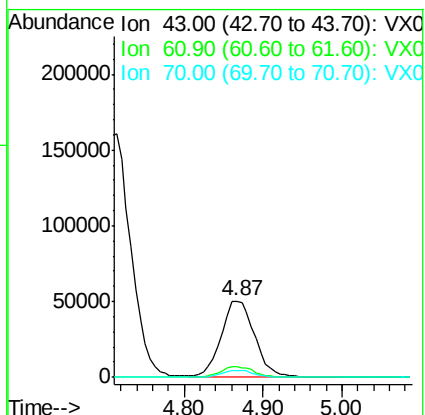
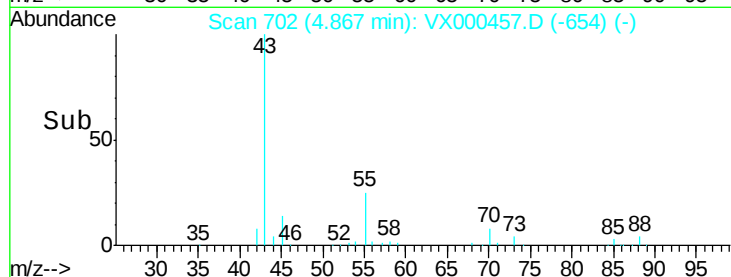
70 9.1 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VX000457.D (-654) (-)

Ion 60.90 (60.60 to 61.60): VX000457.D (-654) (-)

Ion 70.00 (69.70 to 70.70): VX000457.D (-654) (-)



#38

Carbon Tetrachloride

Concen: 52.13 ug/l

RT: 5.79 min Scan# 853

Delta R.T. -0.01 min

Lab File: VX000457.D

Acq: 27 Mar 2018 13:24

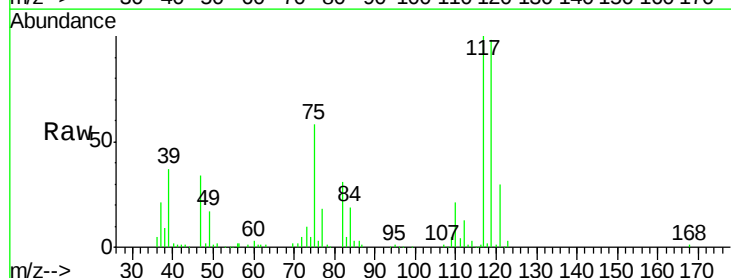
Tgt Ion: 117 Resp: 115519

Ion Ratio Lower Upper

117 100

119 98.3 77.4 116.2

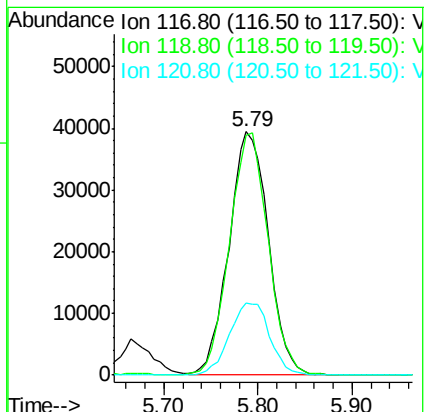
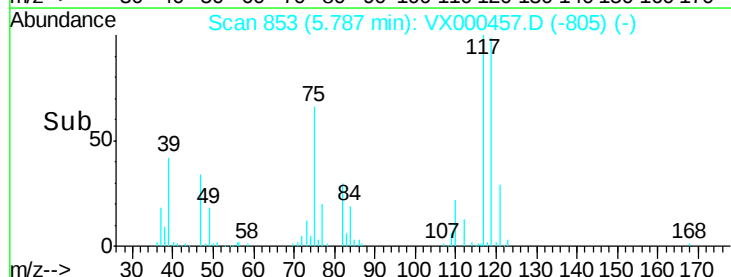
121 29.6 24.8 37.2

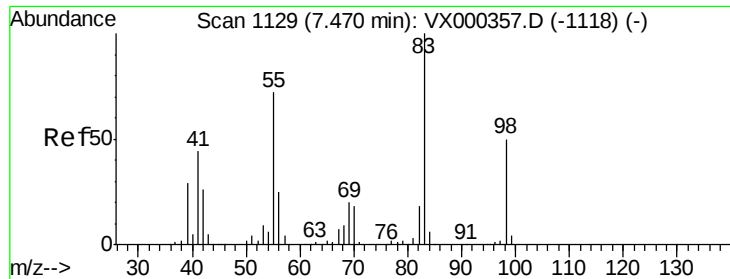


Abundance Ion 116.80 (116.50 to 117.50): VX000457.D (-805) (-)

Ion 118.80 (118.50 to 119.50): VX000457.D (-805) (-)

Ion 120.80 (120.50 to 121.50): VX000457.D (-805) (-)

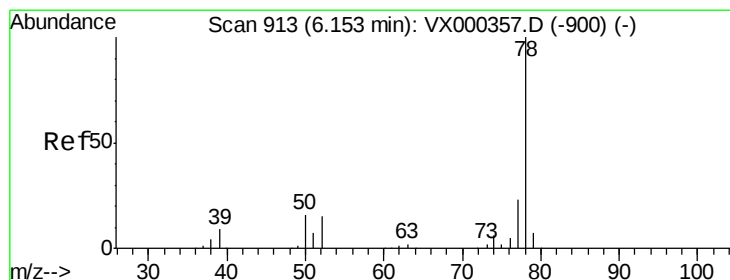
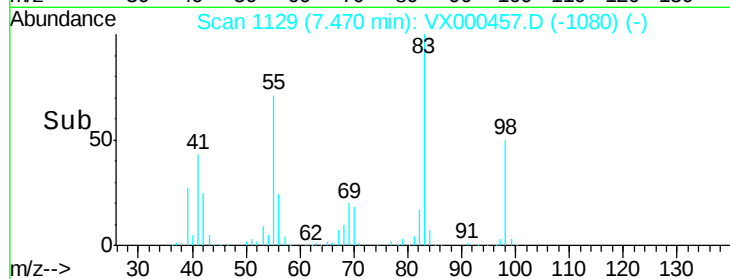
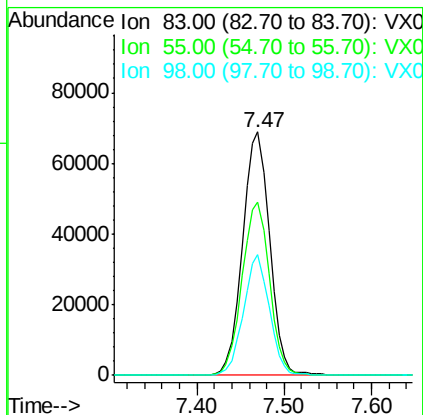
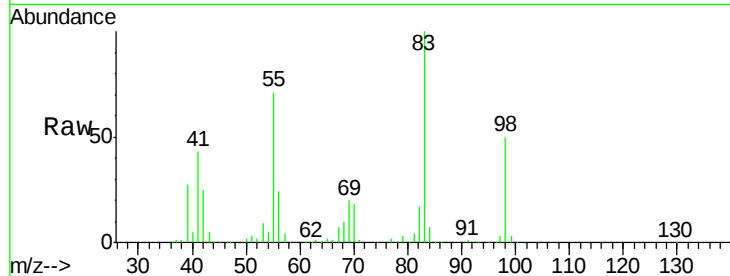




#39
Methylcyclohexane
Concen: 57.79 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000457.D
Acq: 27 Mar 2018 13:24

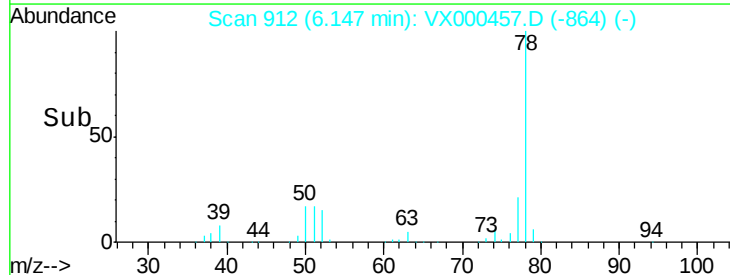
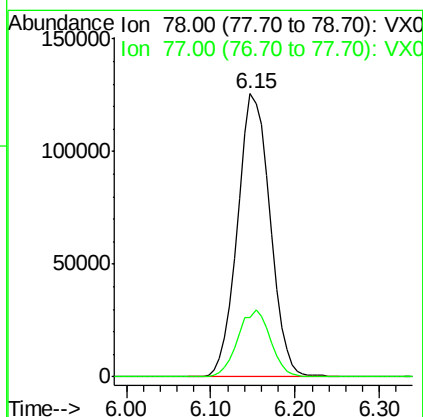
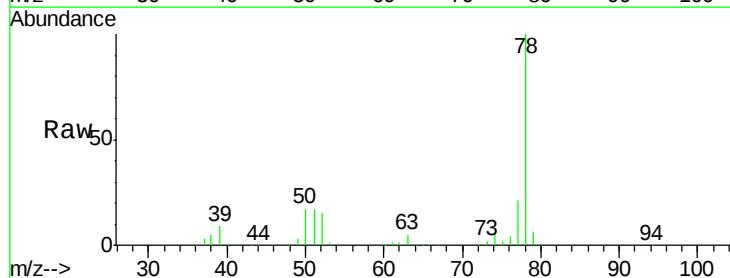
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

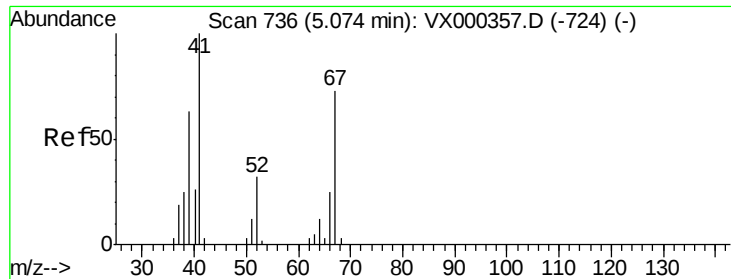
Tgt Ion: 83 Resp: 148447
Ion Ratio Lower Upper
83 100
55 71.1 55.5 83.3
98 49.5 38.2 57.4



#40
Benzene
Concen: 53.65 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.01 min
Lab File: VX000457.D
Acq: 27 Mar 2018 13:24

Tgt Ion: 78 Resp: 329110
Ion Ratio Lower Upper
78 100
77 21.0 18.7 28.1

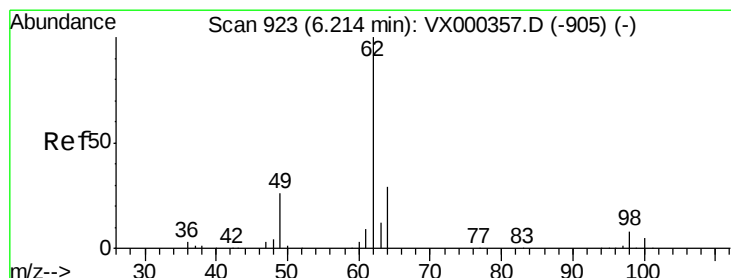
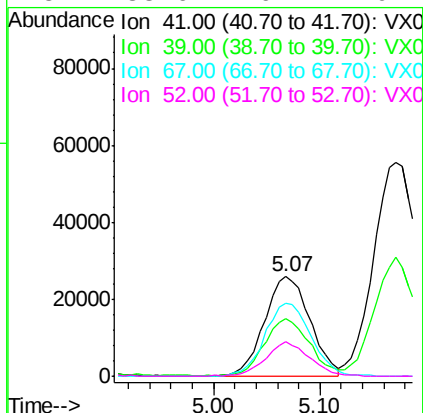
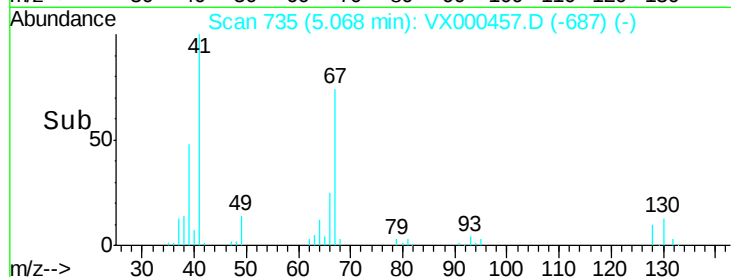
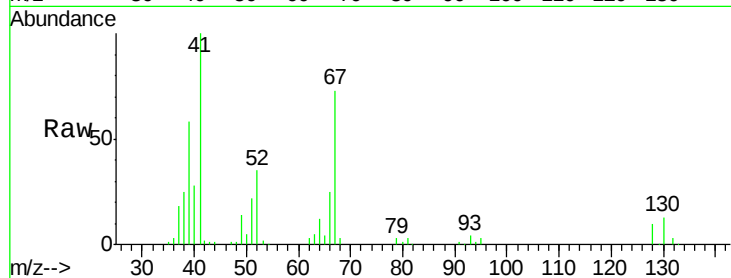




#41
Methacrylonitrile
Concen: 50.20 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX000457.D
Acq: 27 Mar 2018 13:24

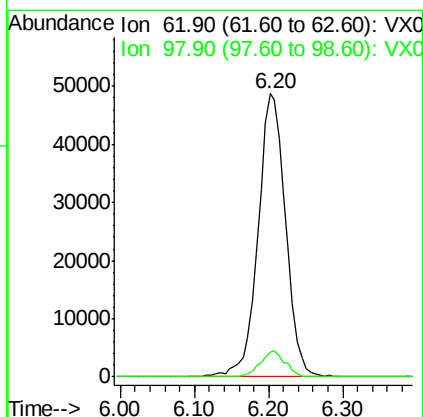
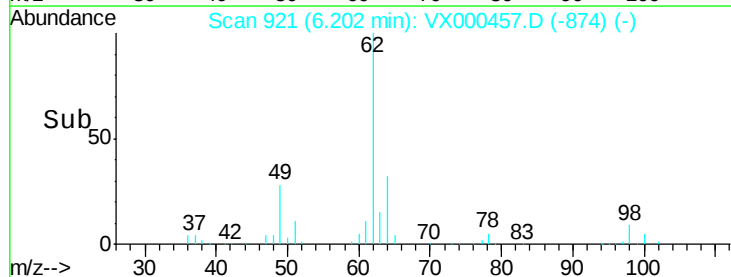
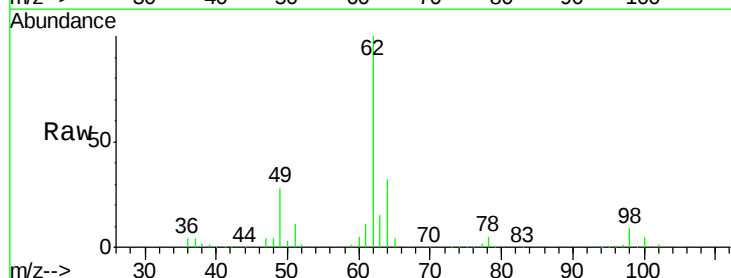
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

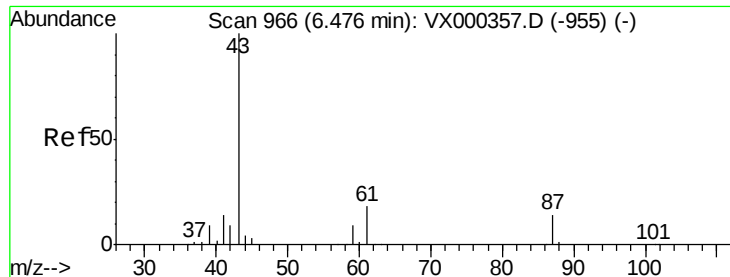
Tgt Ion:	41	Resp:	76362
Ion	Ratio	Lower	Upper
41	100		
39	56.9	45.7	68.5
67	74.9	57.8	86.8
52	33.6	26.7	40.1



#42
1,2-Dichloroethane
Concen: 52.38 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX000457.D
Acq: 27 Mar 2018 13:24

Tgt Ion:	62	Resp:	126057
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	15.8





#43

Isopropyl Acetate

Concen: 54.72 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000457.D

Acq: 27 Mar 2018 13:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

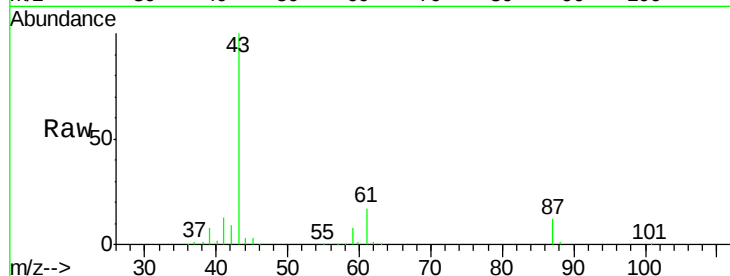
Tgt Ion: 43 Resp: 235017

Ion Ratio Lower Upper

43 100

61 17.8 14.4 21.6

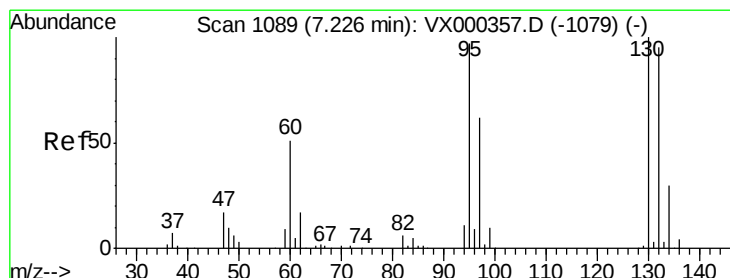
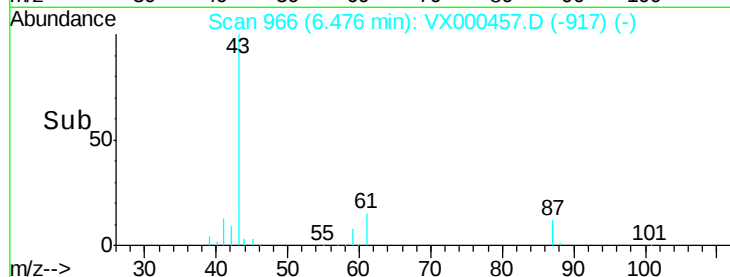
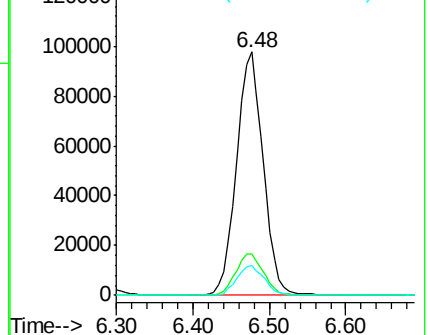
87 12.7 11.0 16.4



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: 52.52 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VX000457.D

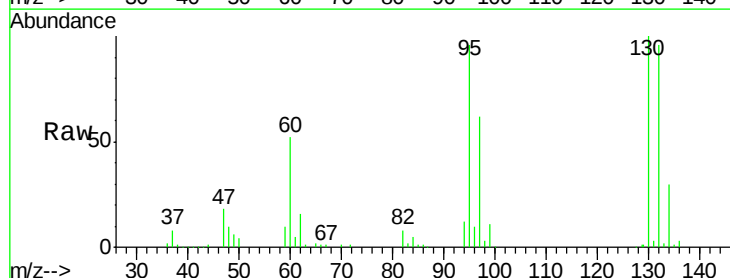
Acq: 27 Mar 2018 13:24

Tgt Ion: 130 Resp: 92290

Ion Ratio Lower Upper

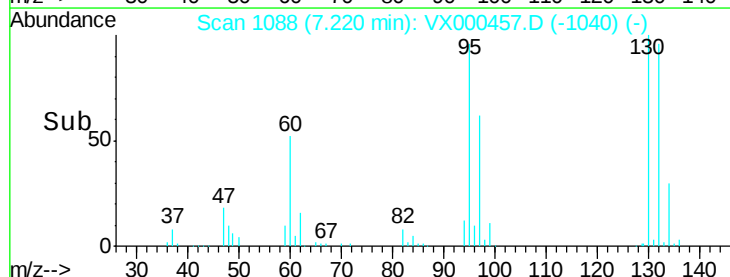
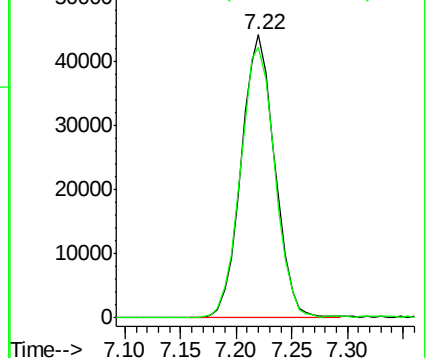
130 100

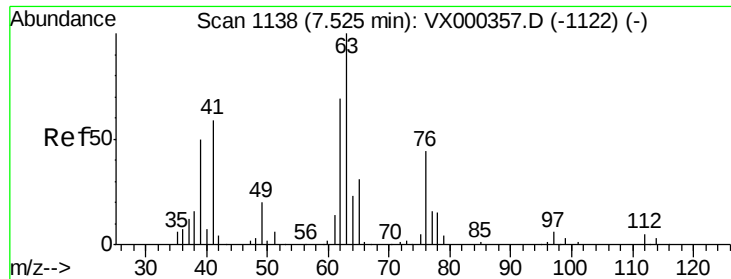
95 95.6 0.0 186.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

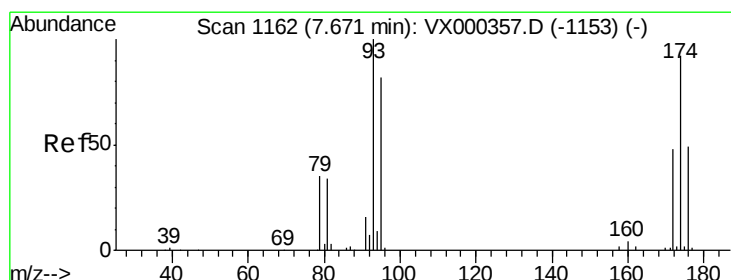
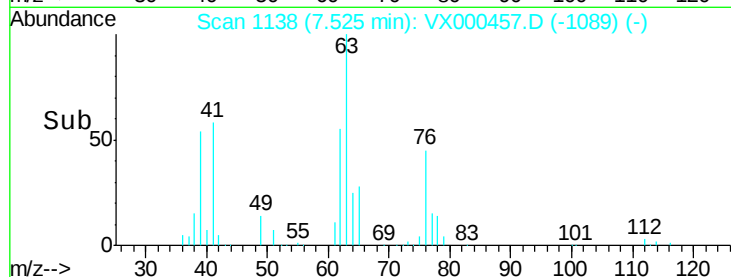
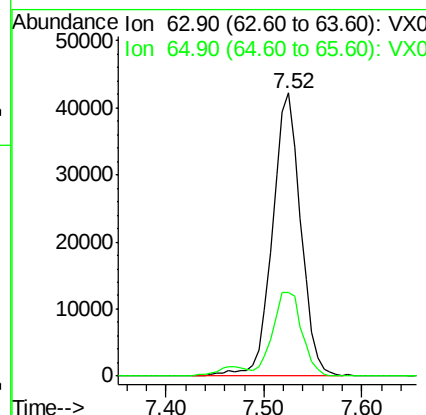
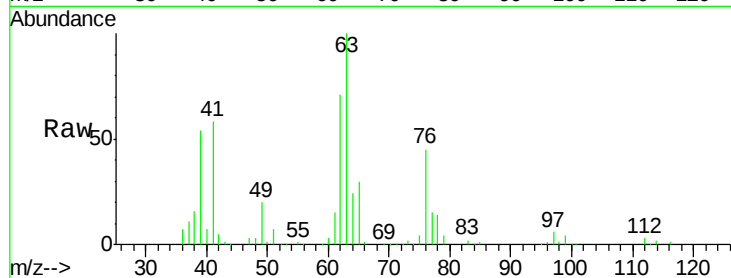




#45
 1,2-Dichloropropane
 Concen: 54.23 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX000457.D
 Acq: 27 Mar 2018 13:24

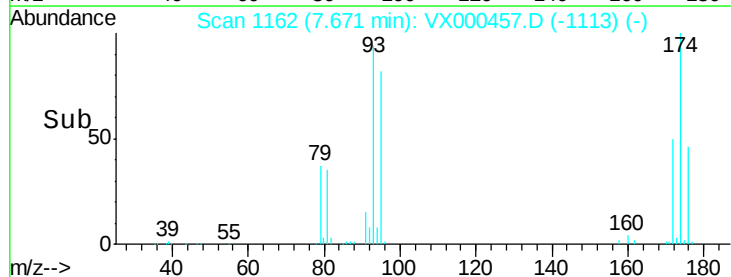
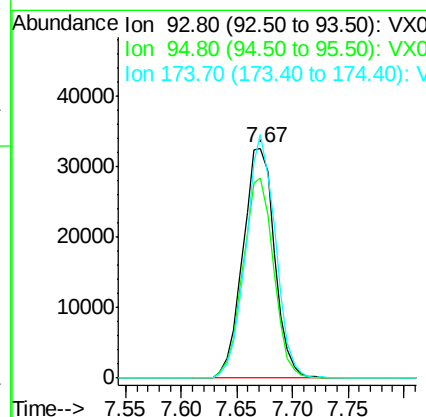
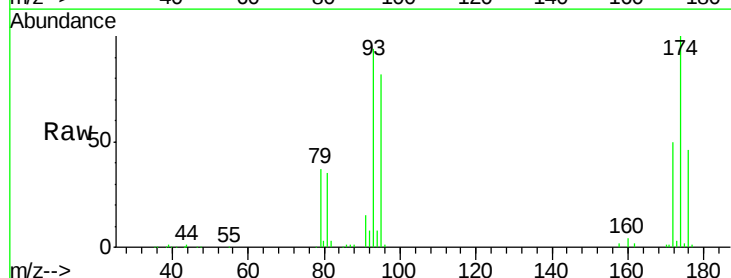
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

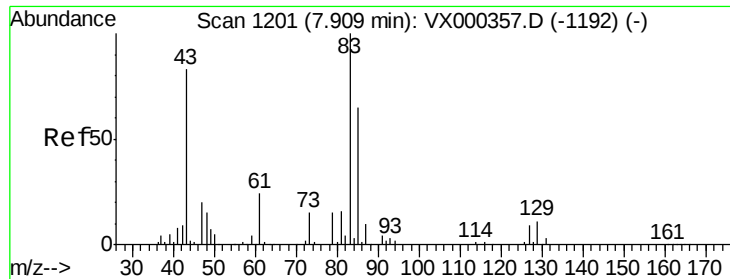
Tgt Ion: 63 Resp: 85153
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.6 36.8



#46
 Dibromomethane
 Concen: 52.19 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX000457.D
 Acq: 27 Mar 2018 13:24

Tgt Ion: 93 Resp: 64317
 Ion Ratio Lower Upper
 93 100
 95 84.7 66.5 99.7
 174 99.4 76.0 114.0





#47

Bromodichloromethane

Concen: 58.02 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VX000457.D

Acq: 27 Mar 2018 13:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

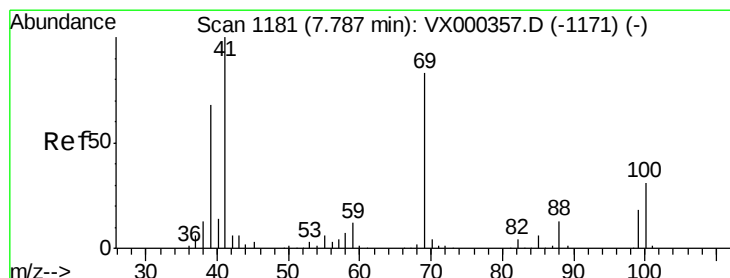
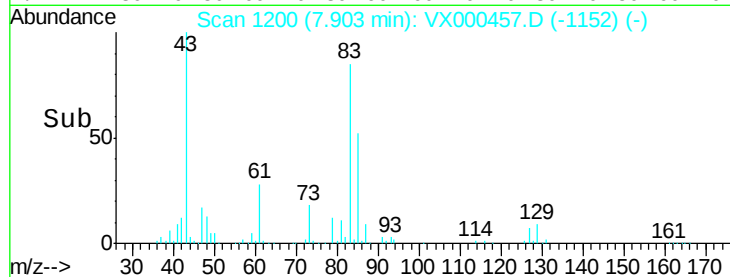
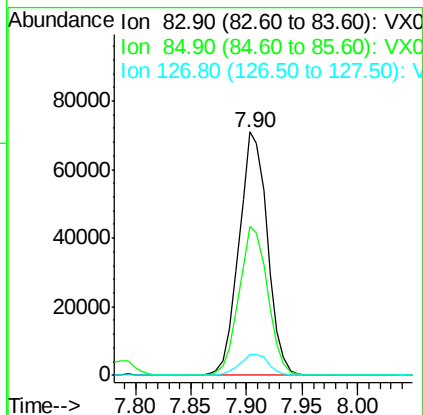
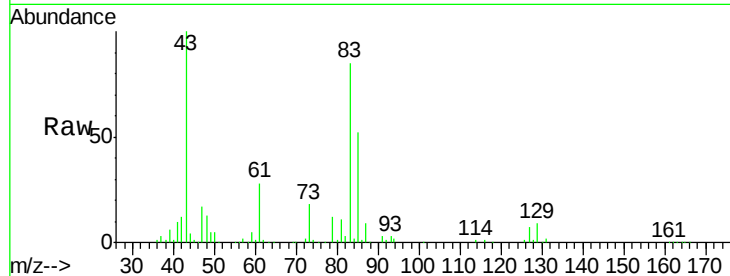
Tgt Ion: 83 Resp: 125815

Ion Ratio Lower Upper

83 100

85 61.2 51.4 77.0

127 8.6 7.0 10.6



#48

Methyl methacrylate

Concen: 55.39 ug/l

RT: 7.79 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VX000457.D

Acq: 27 Mar 2018 13:24

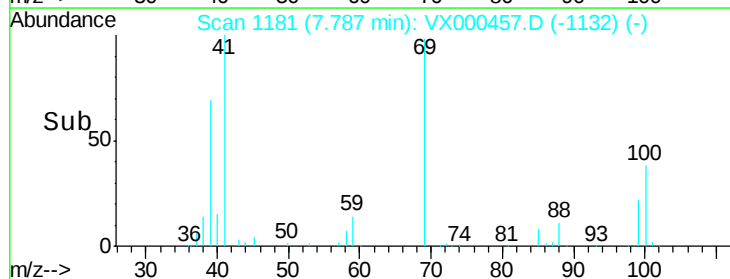
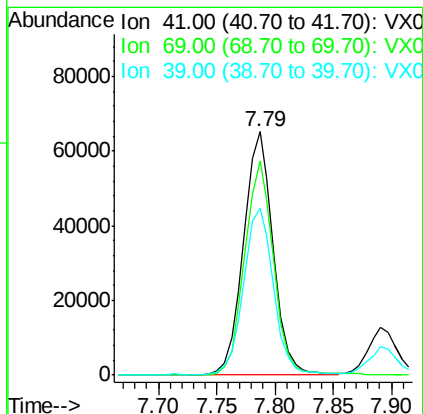
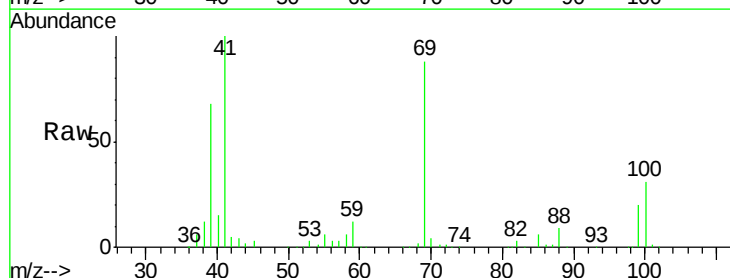
Tgt Ion: 41 Resp: 115504

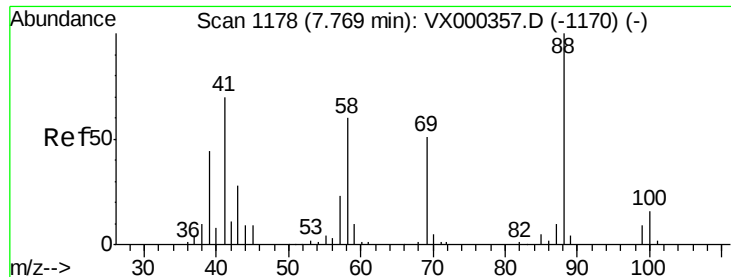
Ion Ratio Lower Upper

41 100

69 86.6 68.2 102.4

39 69.2 54.6 81.8

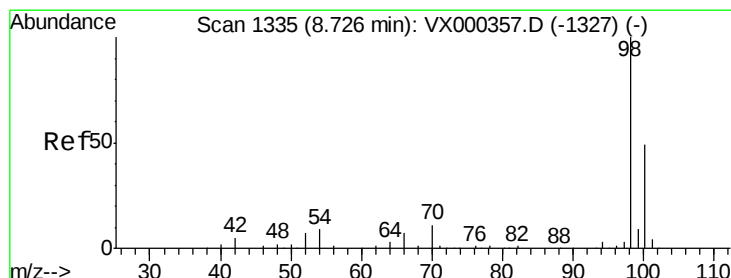
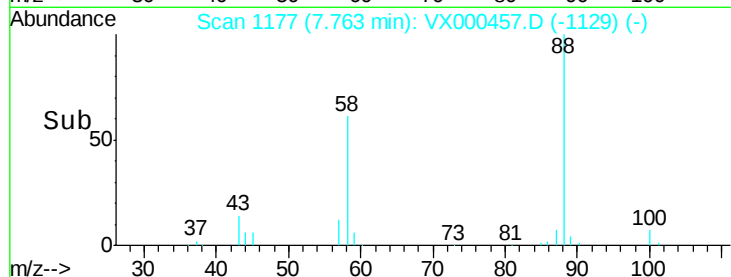
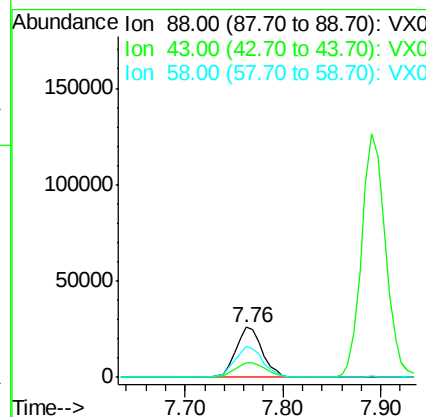
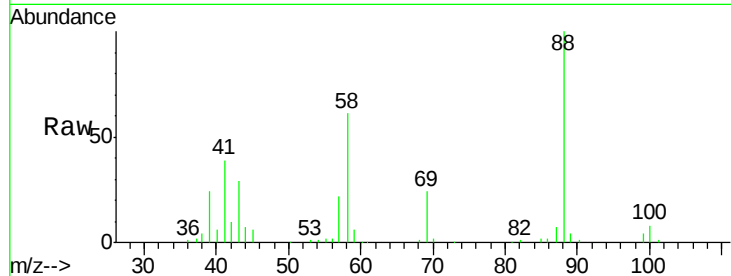




#49
 1,4-Dioxane
 Concen: 1118.90 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. -0.01 min
 Lab File: VX000457.D
 Acq: 27 Mar 2018 13:24

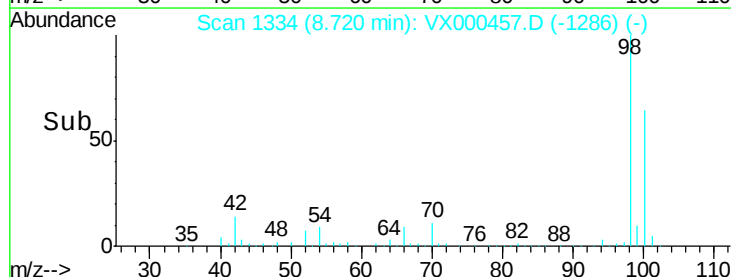
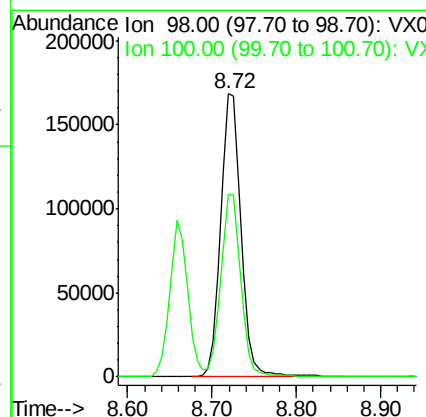
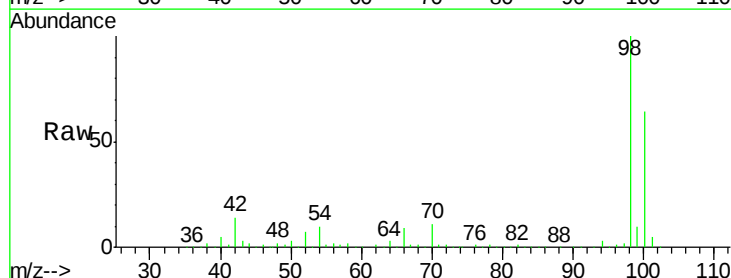
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 88 Resp: 49041
 Ion Ratio Lower Upper
 88 100
 43 34.5 26.8 40.2
 58 64.2 52.2 78.2



#50
 Toluene-d8
 Concen: 47.95 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: VX000457.D
 Acq: 27 Mar 2018 13:24

Tgt Ion: 98 Resp: 282194
 Ion Ratio Lower Upper
 98 100
 100 63.5 51.2 76.8

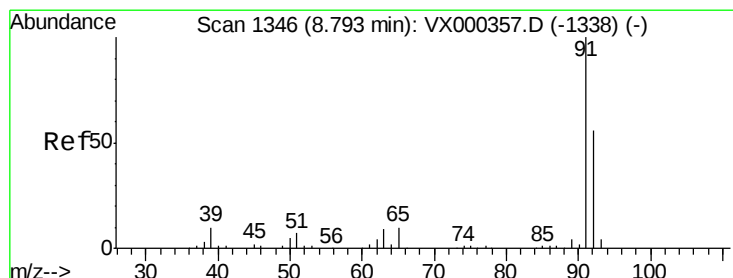
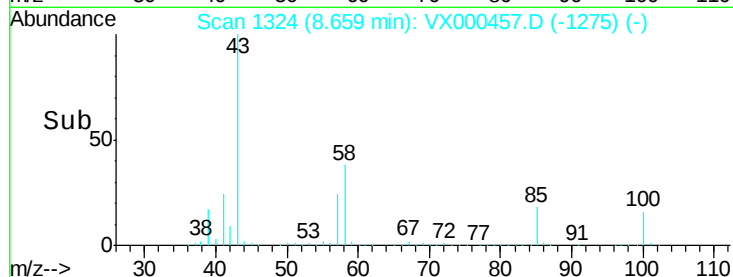
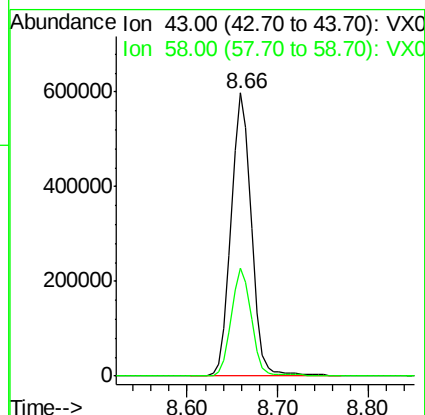
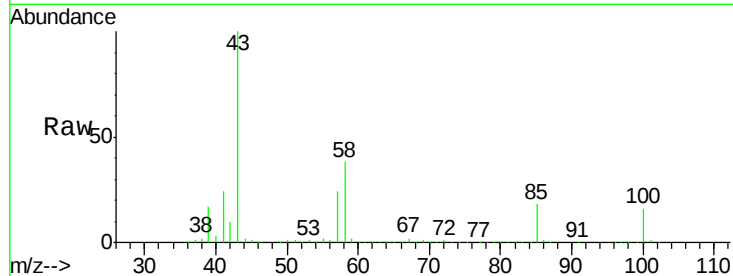




#51
4-Methyl-2-Pentanone
Concen: 280.49 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX000457.D
Acq: 27 Mar 2018 13:24

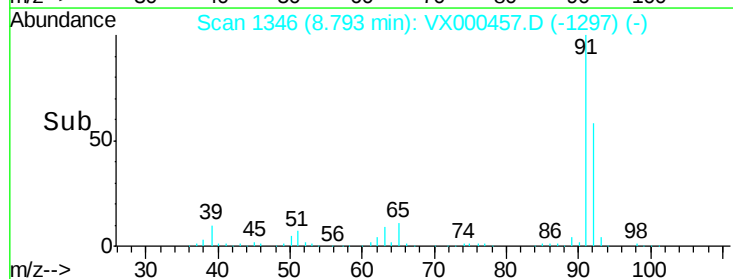
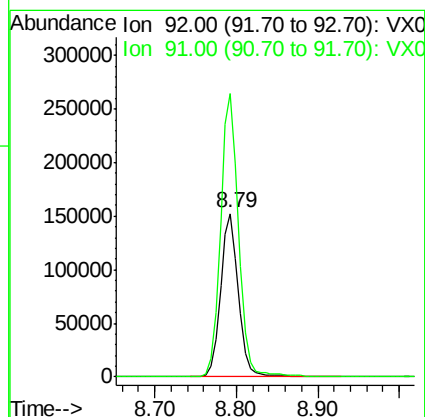
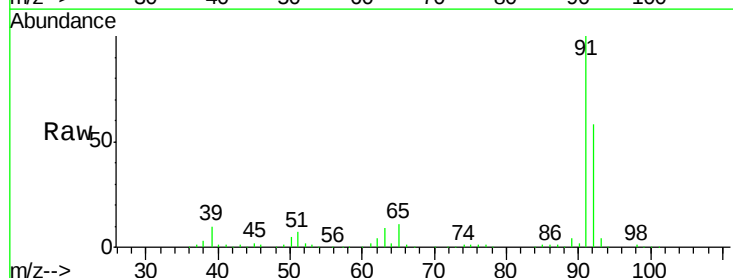
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 932496
Ion Ratio Lower Upper
43 100
58 37.4 30.3 45.5



#52
Toluene
Concen: 54.29 ug/l
RT: 8.79 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VX000457.D
Acq: 27 Mar 2018 13:24

Tgt Ion: 92 Resp: 232828
Ion Ratio Lower Upper
92 100
91 175.6 140.2 210.2





#53

t-1,3-Dichloropropene

Concen: 56.76 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VX000457.D

Acq: 27 Mar 2018 13:24

Instrument :

MSVOA_X

ClientSampleId :

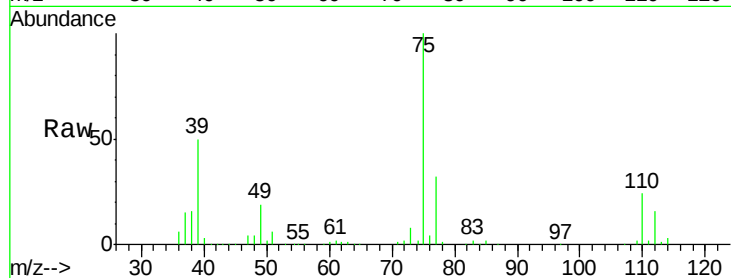
VSTDCCC050

Tgt Ion: 75 Resp: 142624

Ion Ratio Lower Upper

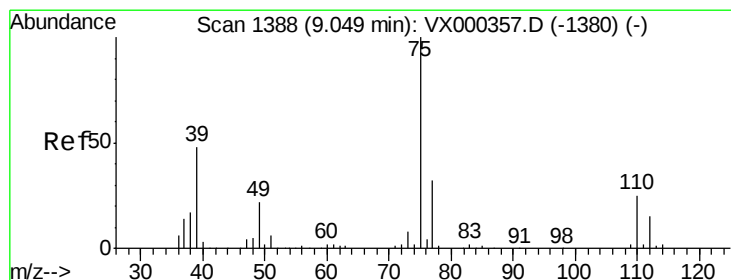
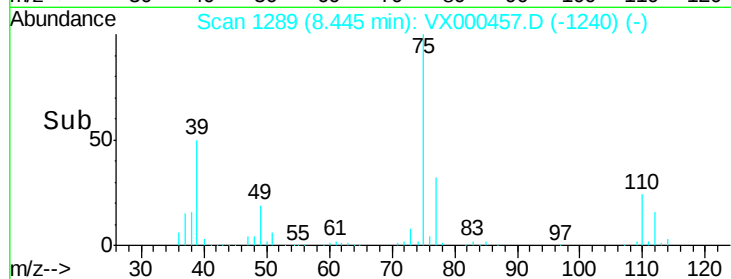
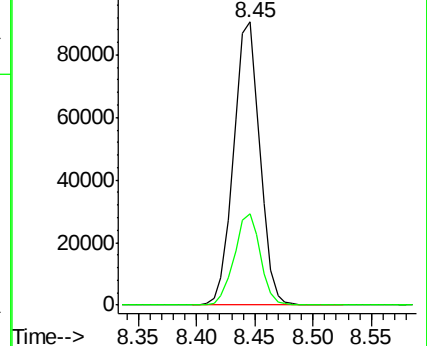
75 100

77 32.1 24.0 36.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 58.13 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX000457.D

Acq: 27 Mar 2018 13:24

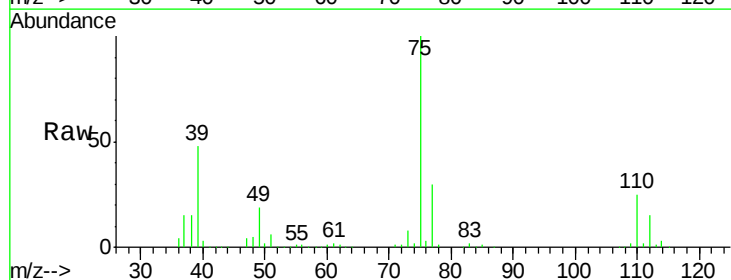
Tgt Ion: 75 Resp: 141684

Ion Ratio Lower Upper

75 100

77 30.3 26.1 39.1

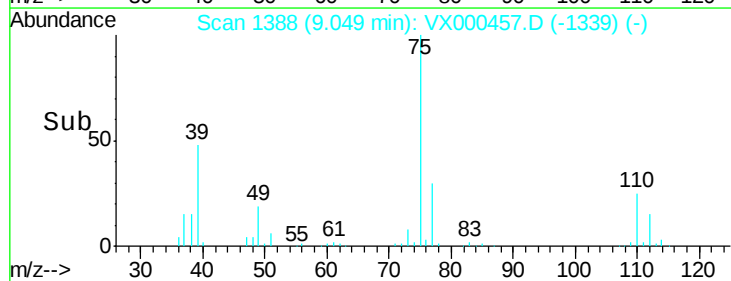
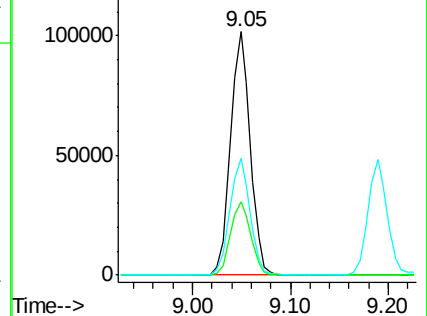
39 48.0 39.8 59.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

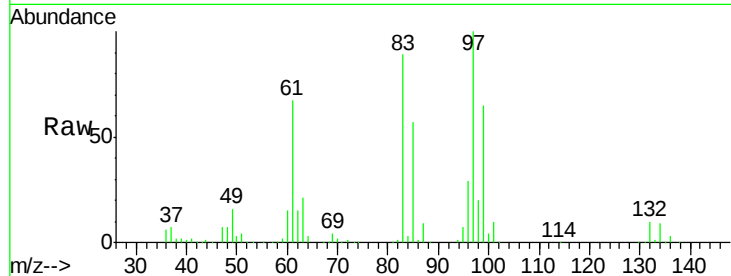




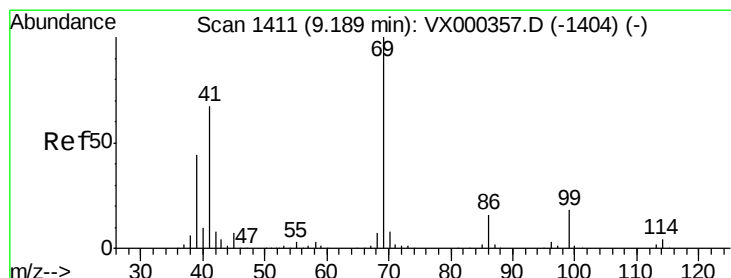
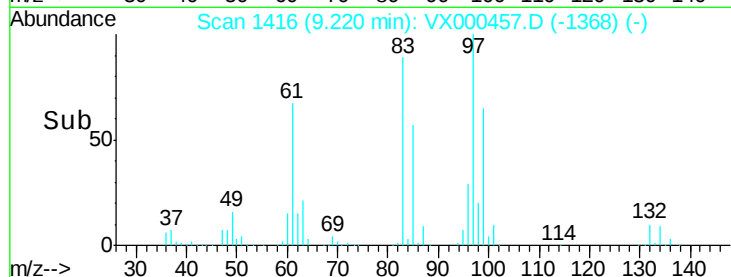
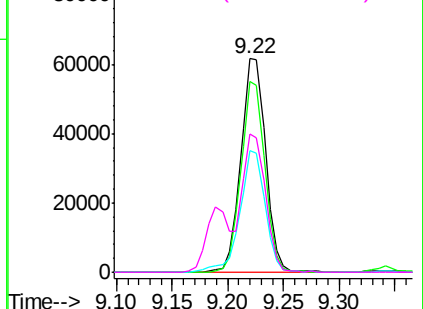
#55
 1,1,2-Trichloroethane
 Concen: 54.05 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.01 min
 Lab File: VX000457.D
 Acq: 27 Mar 2018 13:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	95327
Ion	Ratio	Lower	Upper
97	100		
83	89.1	67.9	101.9
85	57.2	42.8	64.2
99	64.7	49.4	74.2

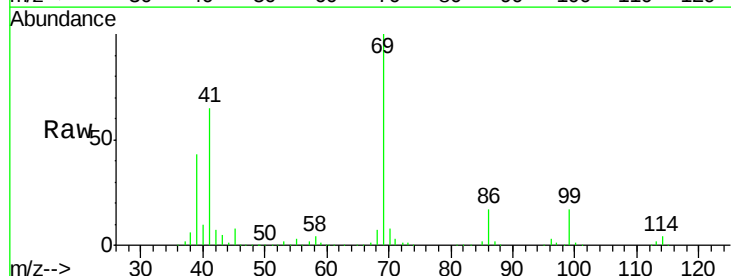


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

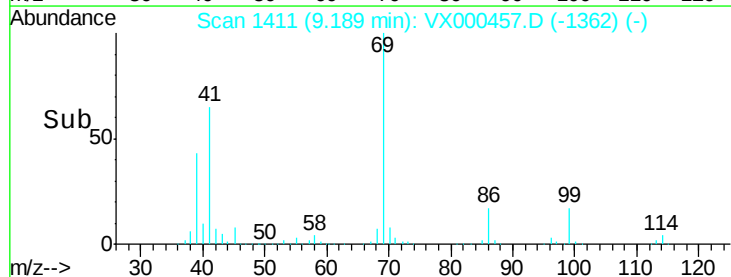
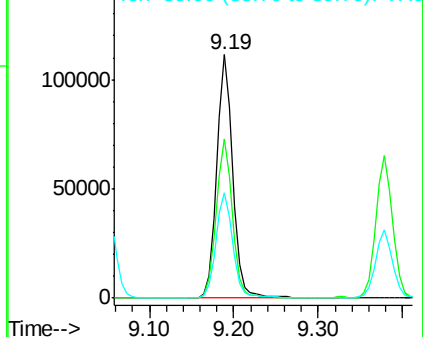


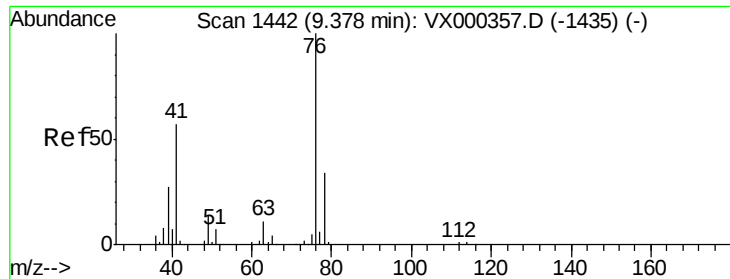
#56
 Ethyl methacrylate
 Concen: 55.29 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX000457.D
 Acq: 27 Mar 2018 13:24

Tgt Ion:	69	Resp:	147739
Ion	Ratio	Lower	Upper
69	100		
41	66.1	53.0	79.6
39	44.6	35.3	52.9



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

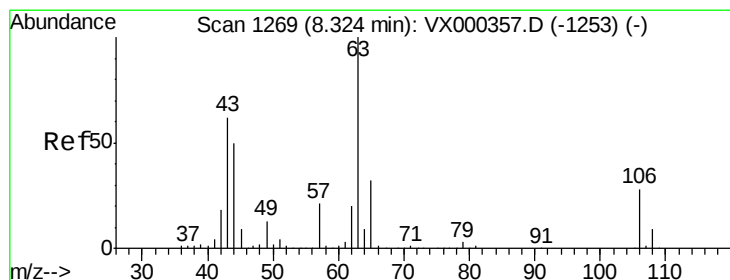
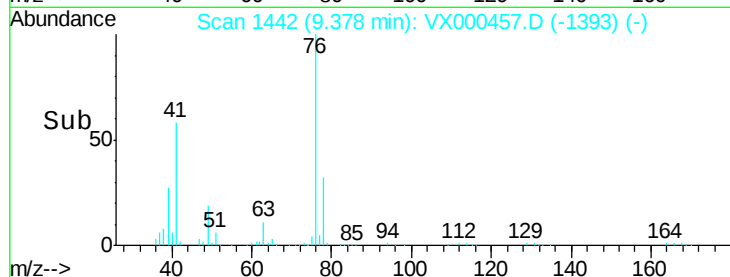
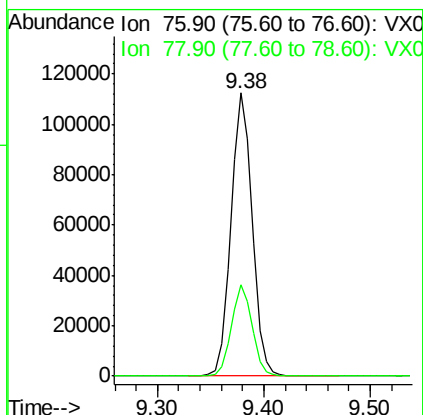
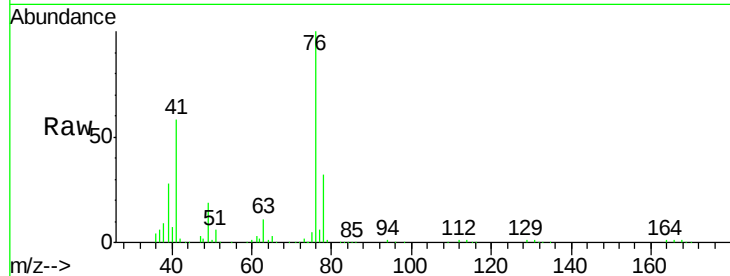




#57
 1,3-Dichloropropane
 Concen: 55.87 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX000457.D
 Acq: 27 Mar 2018 13:24

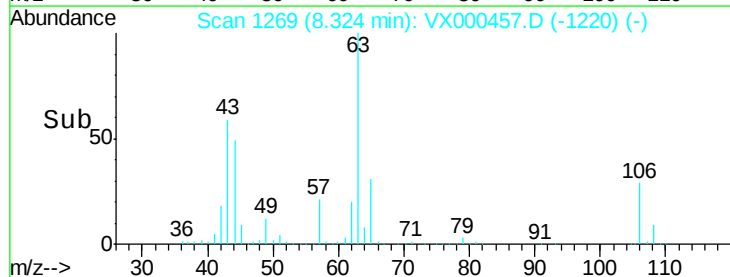
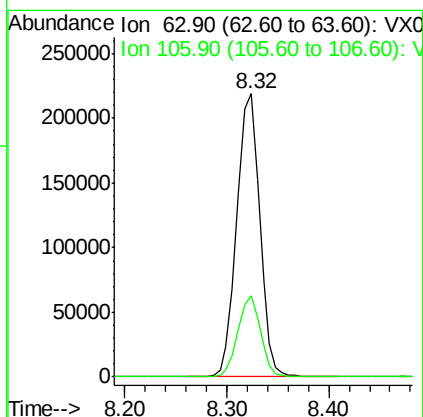
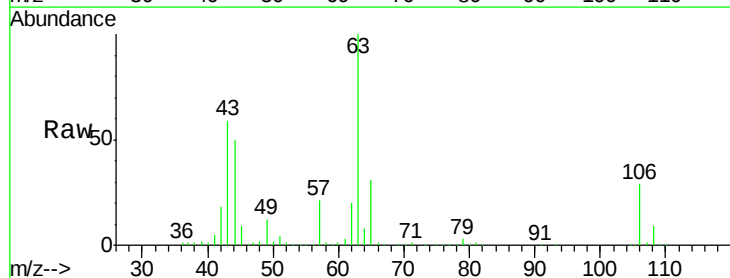
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 157604
 Ion Ratio Lower Upper
 76 100
 78 31.6 26.4 39.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 266.08 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VX000457.D
 Acq: 27 Mar 2018 13:24

Tgt Ion: 63 Resp: 341263
 Ion Ratio Lower Upper
 63 100
 106 28.2 23.2 34.8

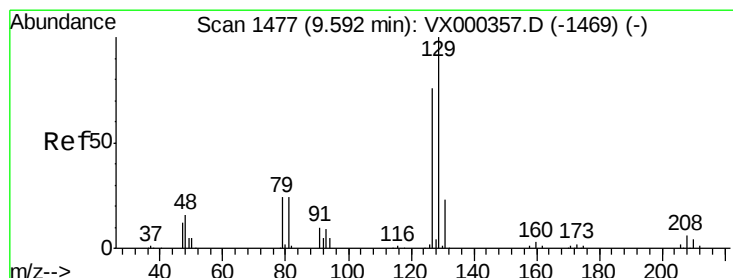
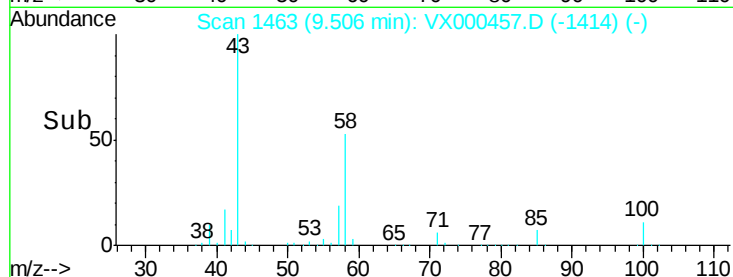
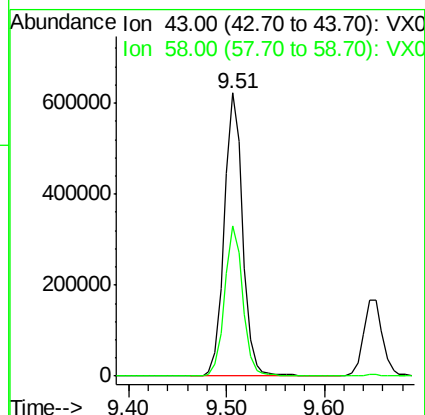
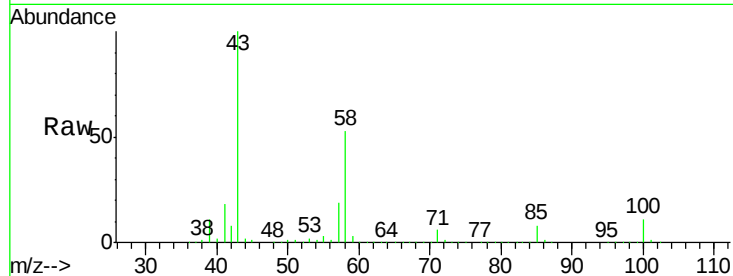




#59
2-Hexanone
Concen: 287.41 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX000457.D
Acq: 27 Mar 2018 13:24

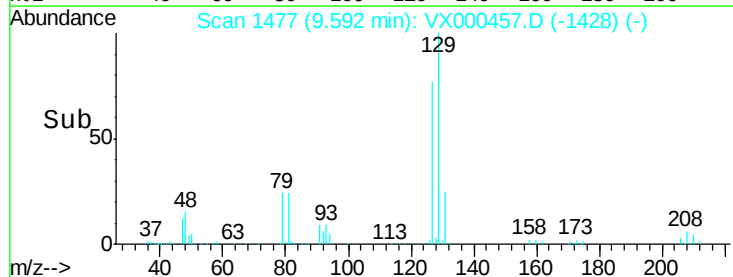
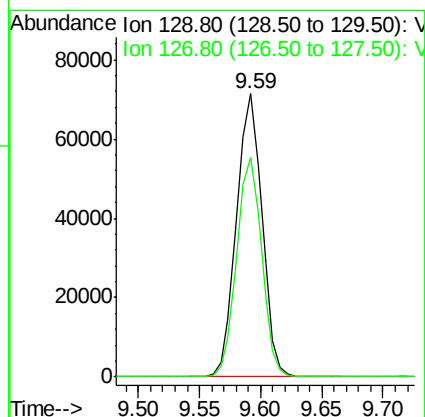
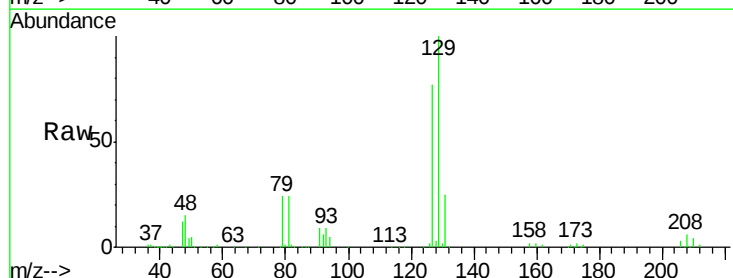
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

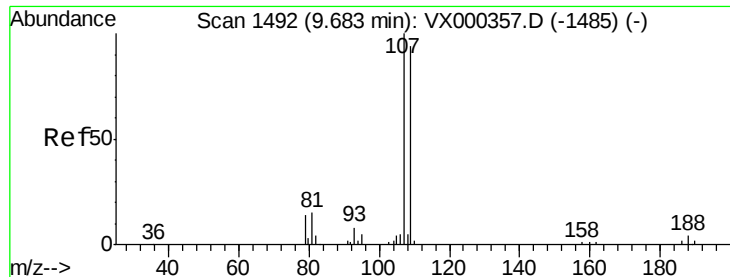
Tgt Ion: 43 Resp: 811310
Ion Ratio Lower Upper
43 100
58 52.6 26.6 79.7



#60
Dibromochloromethane
Concen: 49.40 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000457.D
Acq: 27 Mar 2018 13:24

Tgt Ion: 129 Resp: 102983
Ion Ratio Lower Upper
129 100
127 76.0 37.9 113.6





#61

1,2-Dibromoethane

Concen: 54.60 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX000457.D

Acq: 27 Mar 2018 13:24

Instrument :

MSVOA_X

ClientSampleId :

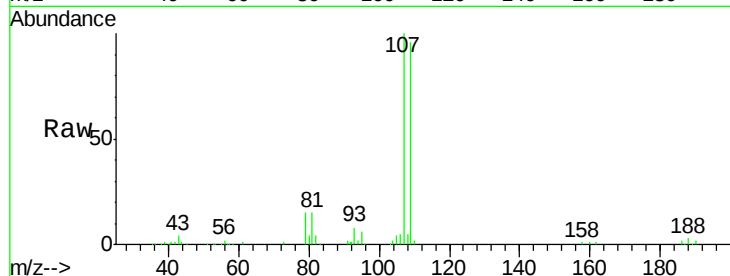
VSTDCCC050

Tgt Ion: 107 Resp: 103255

Ion Ratio Lower Upper

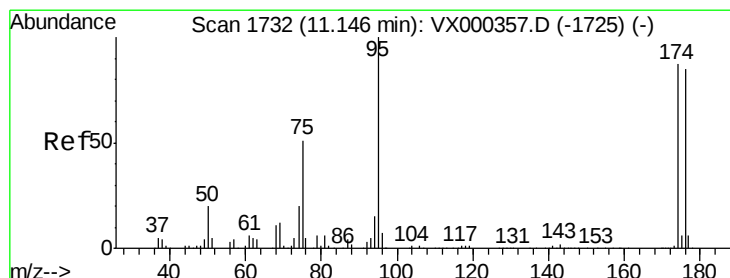
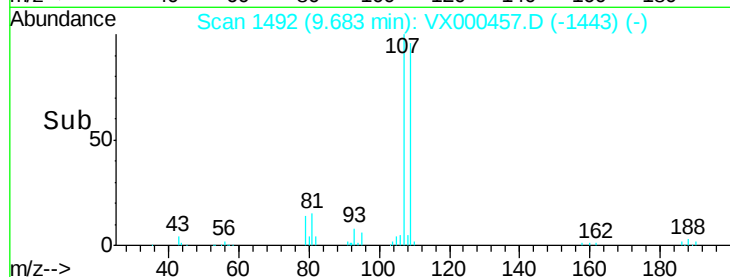
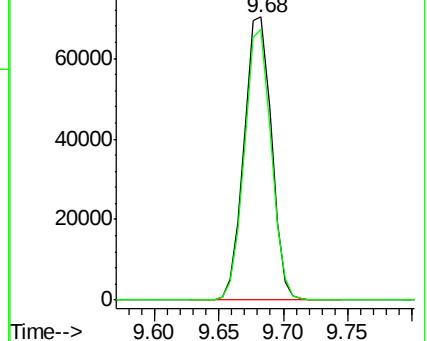
107 100

109 93.8 76.1 114.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.00 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000457.D

Acq: 27 Mar 2018 13:24

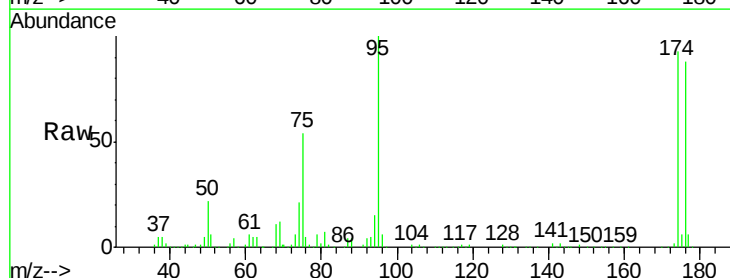
Tgt Ion: 95 Resp: 113001

Ion Ratio Lower Upper

95 100

174 88.8 0.0 173.6

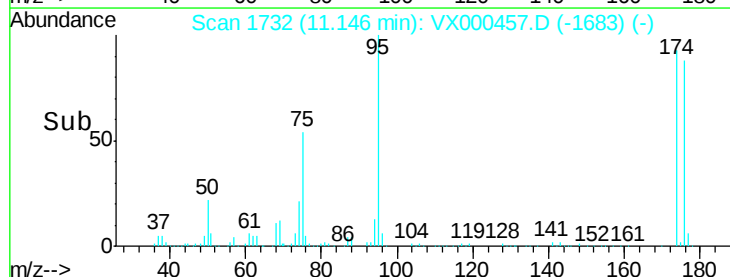
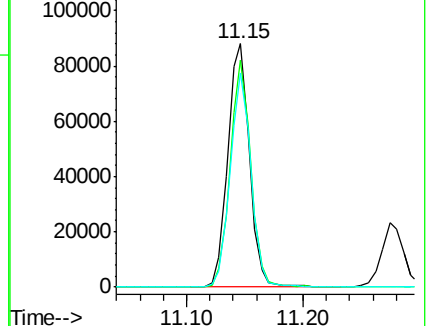
176 85.0 0.0 164.6

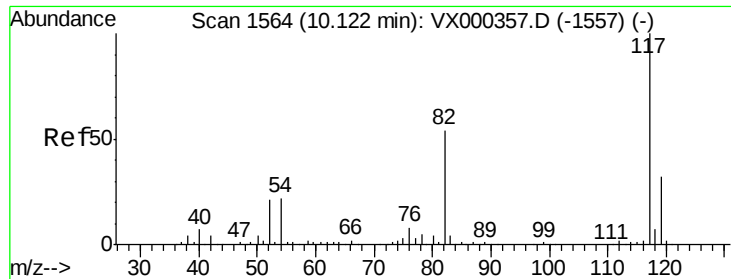


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

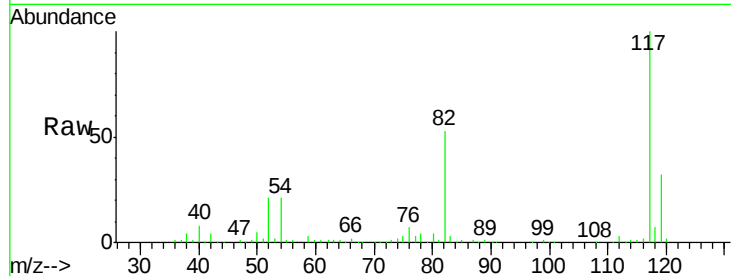




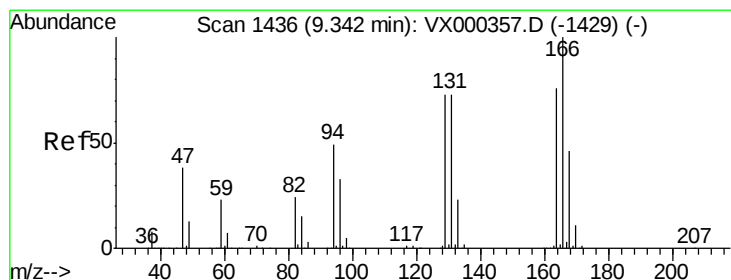
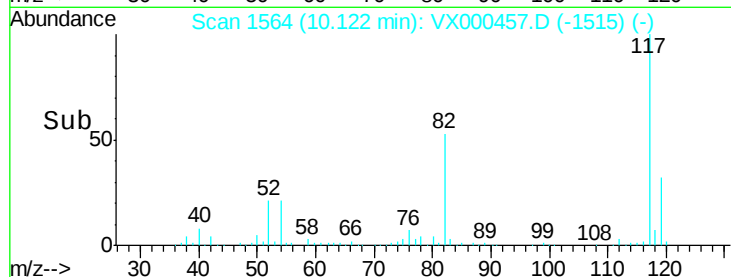
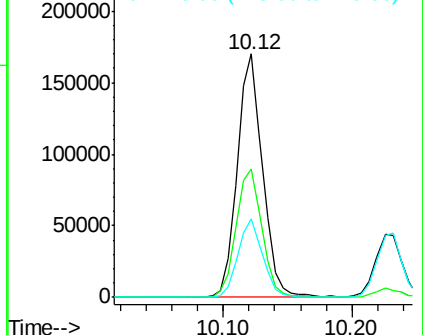
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000457.D
Acq: 27 Mar 2018 13:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 232171
Ion Ratio Lower Upper
117 100
82 52.9 43.8 65.8
119 32.0 24.9 37.3



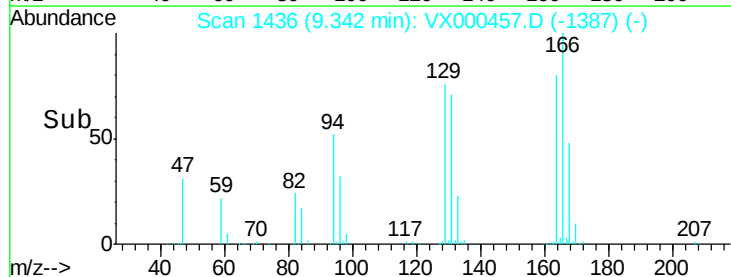
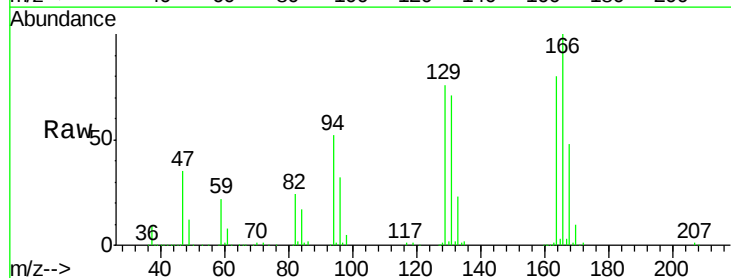
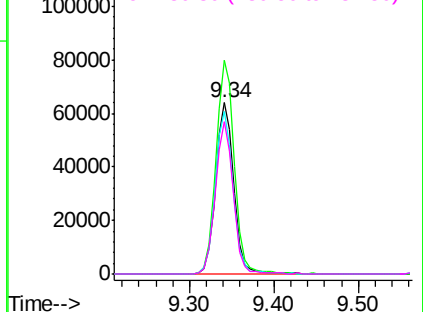
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

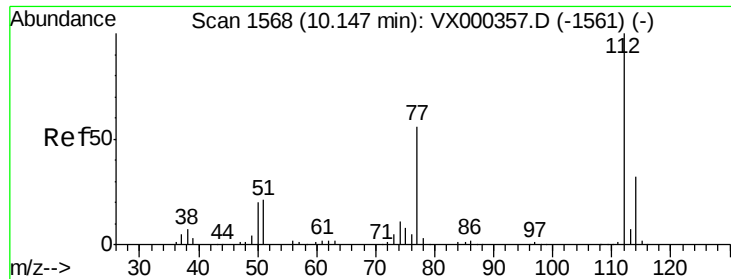


#64
Tetrachloroethene
Concen: 52.69 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000457.D
Acq: 27 Mar 2018 13:24

Tgt Ion:164 Resp: 94931
Ion Ratio Lower Upper
164 100
166 124.6 101.0 151.6
129 94.9 79.0 118.4
131 88.7 71.9 107.9

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

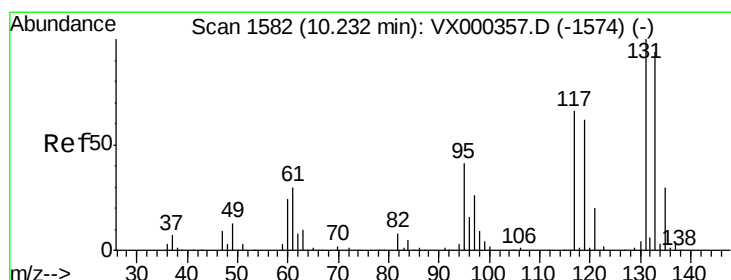
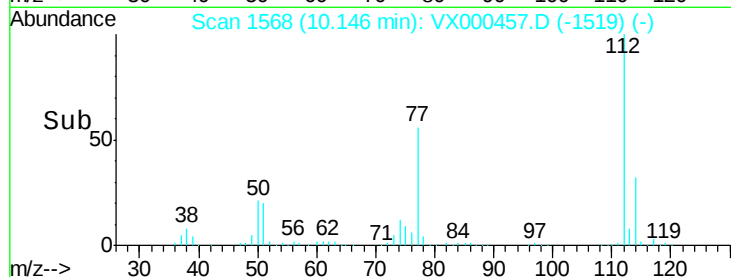
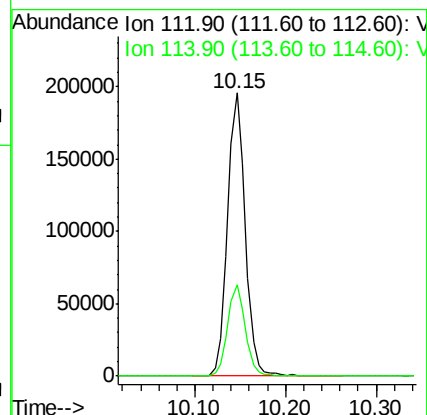
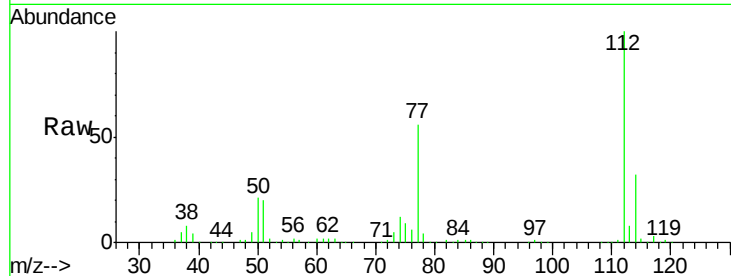




#65
Chlorobenzene
Concen: 51.79 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX000457.D
Acq: 27 Mar 2018 13:24

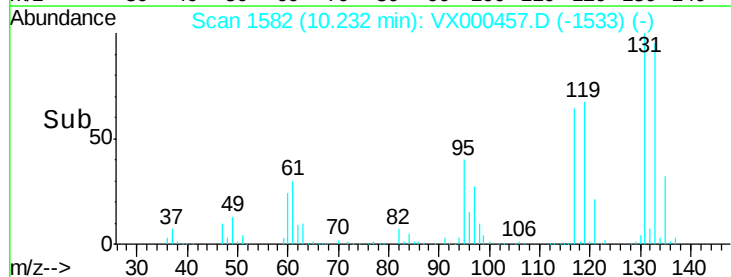
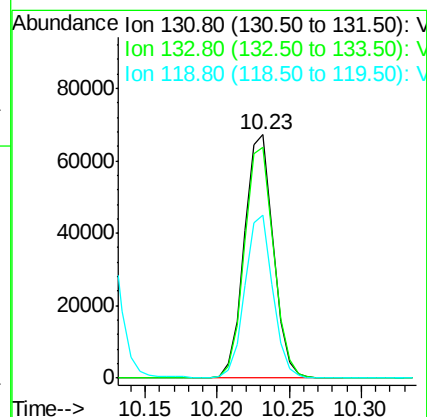
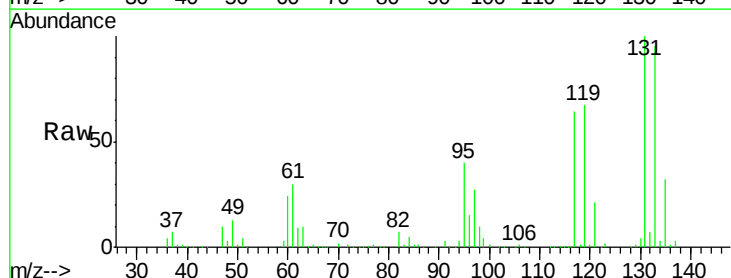
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

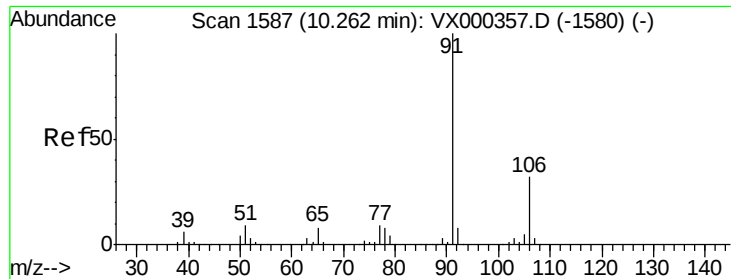
Tgt Ion:112 Resp: 267580
Ion Ratio Lower Upper
112 100
114 32.4 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 53.18 ug/l
RT: 10.23 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VX000457.D
Acq: 27 Mar 2018 13:24

Tgt Ion:131 Resp: 93317
Ion Ratio Lower Upper
131 100
133 96.2 47.1 141.3
119 64.8 33.1 99.2





#67

Ethyl Benzene

Concen: 52.85 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.01 min

Lab File: VX000457.D

Acq: 27 Mar 2018 13:24

Instrument :

MSVOA_X

ClientSampleId :

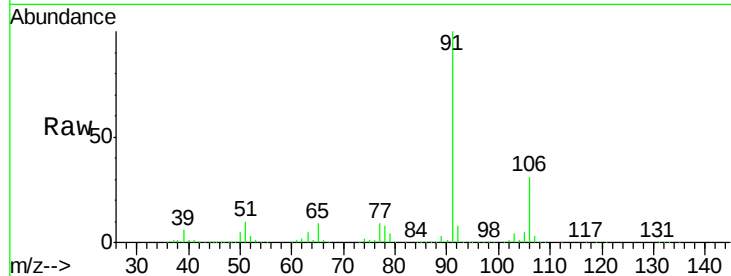
VSTDCCC050

Tgt Ion: 91 Resp: 462881

Ion Ratio Lower Upper

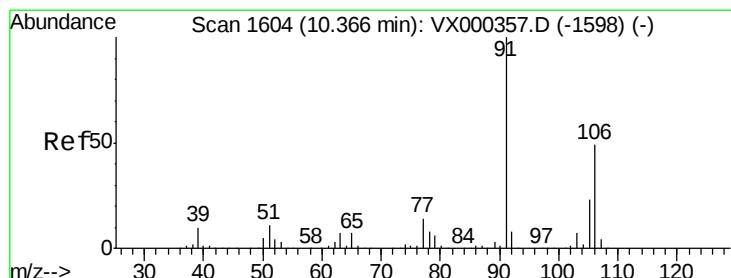
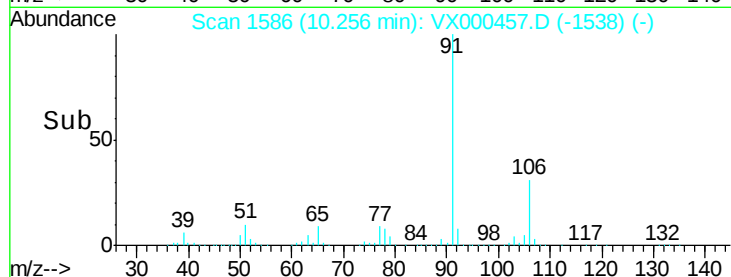
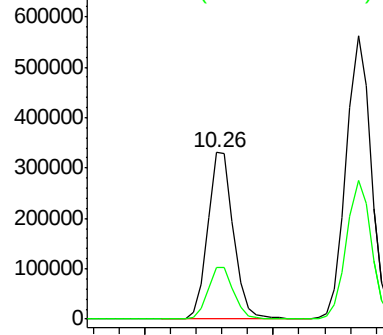
91 100

106 31.3 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 107.89 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX000457.D

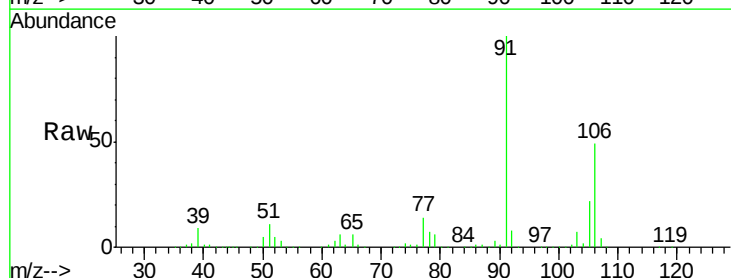
Acq: 27 Mar 2018 13:24

Tgt Ion: 106 Resp: 371843

Ion Ratio Lower Upper

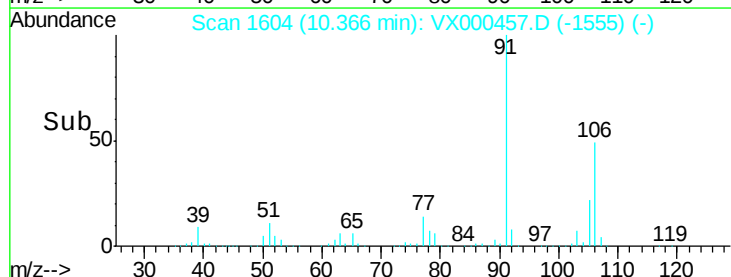
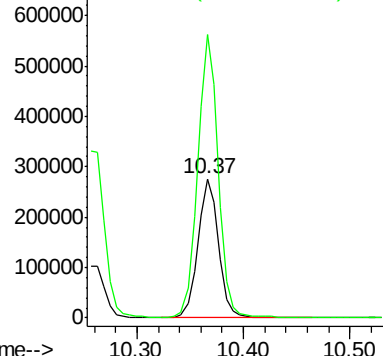
106 100

91 204.5 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

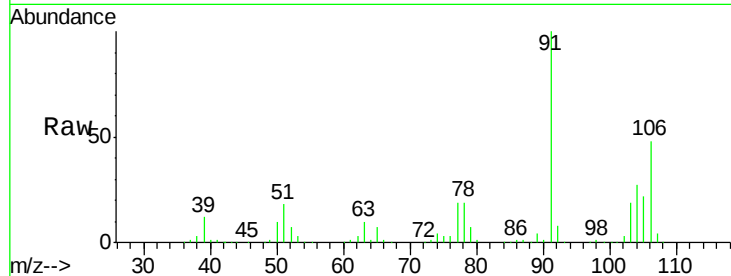




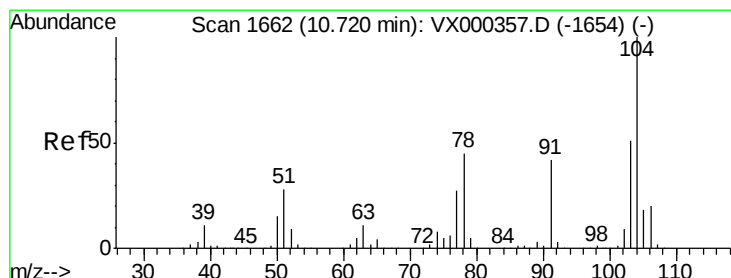
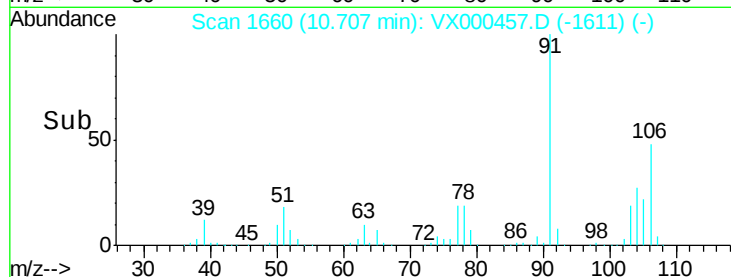
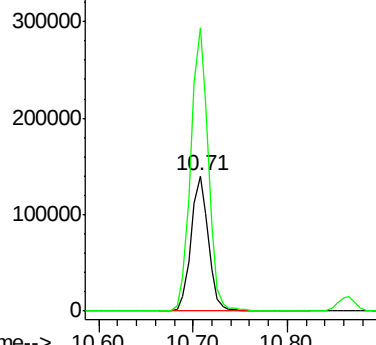
#69
o-Xylene
Concen: 53.55 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000457.D
Acq: 27 Mar 2018 13:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 178714
Ion Ratio Lower Upper
106 100
91 212.3 106.5 319.6

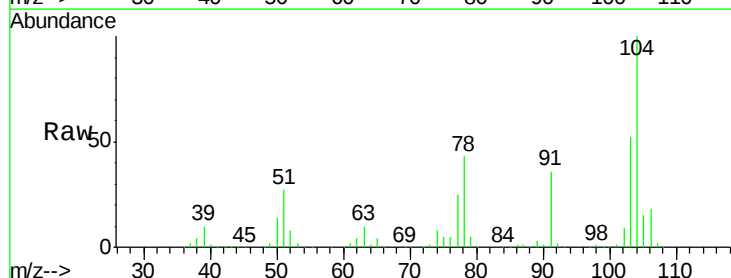


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

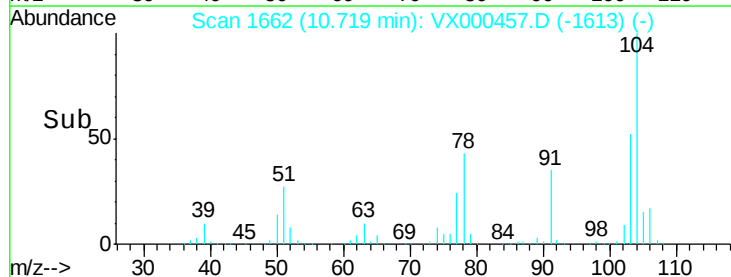
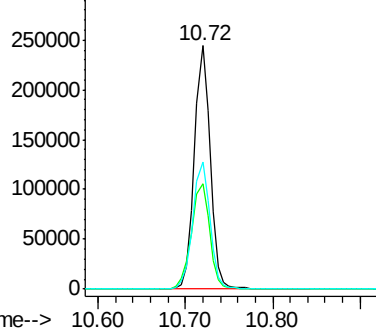


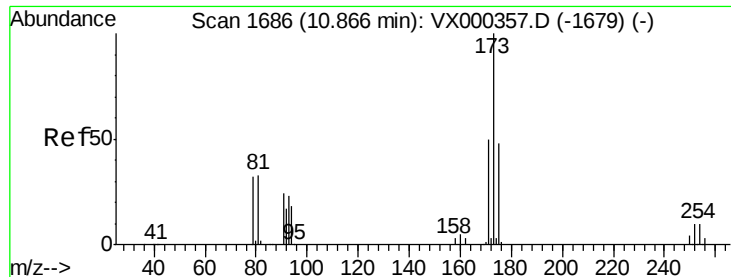
#70
Styrene
Concen: 55.43 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000457.D
Acq: 27 Mar 2018 13:24

Tgt Ion:104 Resp: 306051
Ion Ratio Lower Upper
104 100
78 50.2 40.5 60.7
103 57.2 45.7 68.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 45.31 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX000457.D

Acq: 27 Mar 2018 13:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

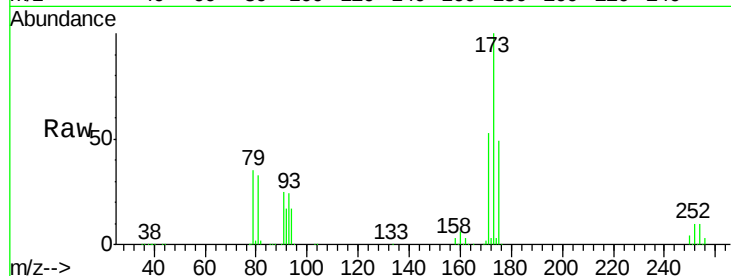
Tgt Ion:173 Resp: 81936

Ion Ratio Lower Upper

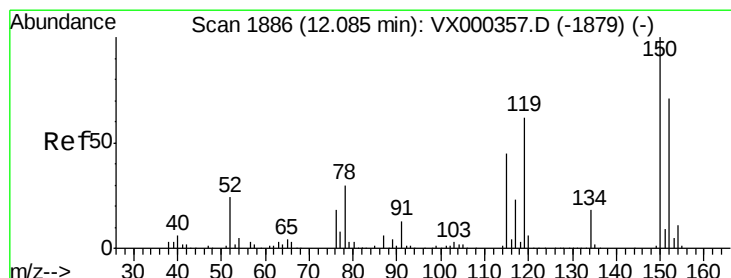
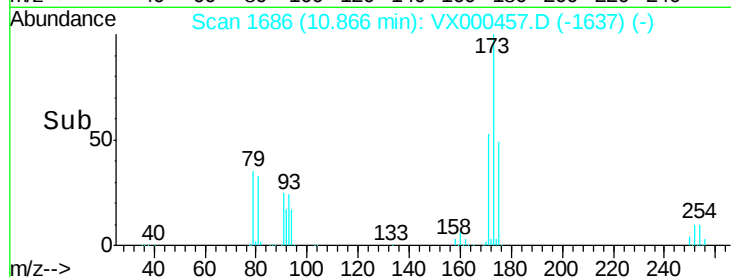
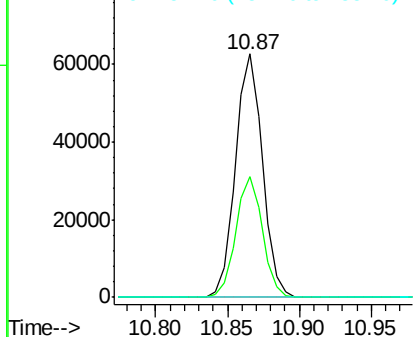
173 100

175 48.8 25.4 76.4

254 0.1 0.0 0.0#



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: VX000457.D

Acq: 27 Mar 2018 13:24

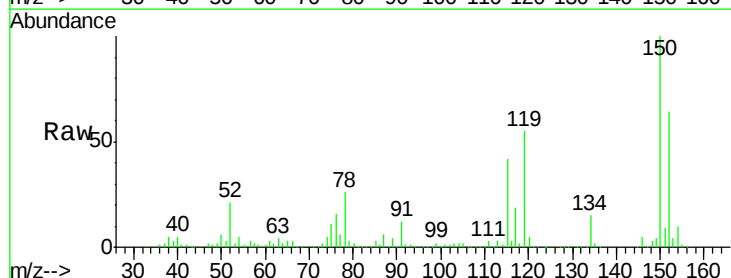
Tgt Ion:152 Resp: 152241

Ion Ratio Lower Upper

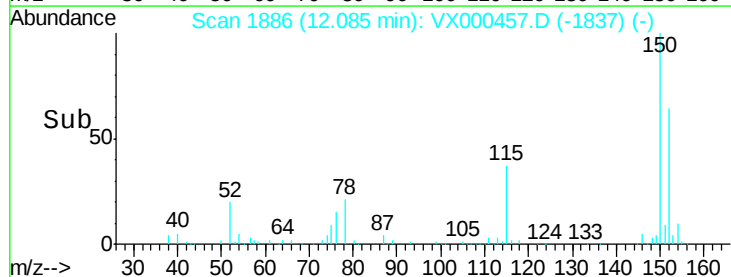
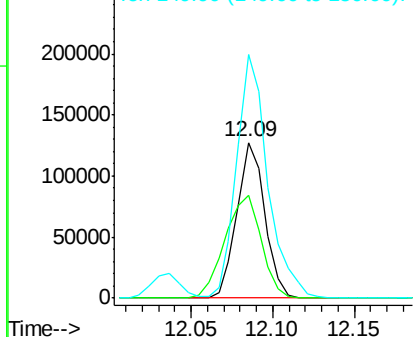
152 100

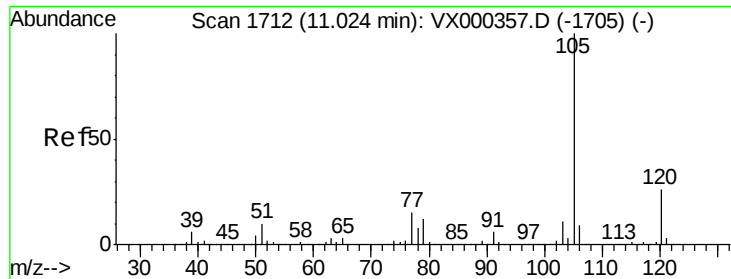
115 85.6 39.8 119.3

150 174.8 0.0 344.4



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

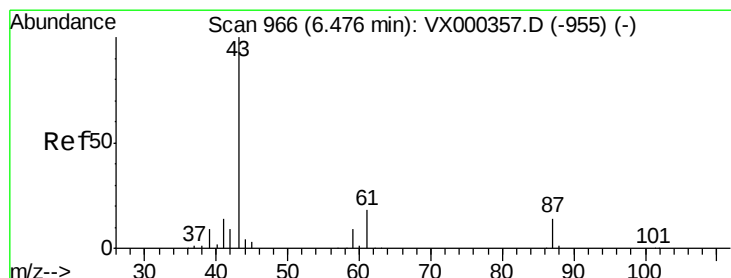
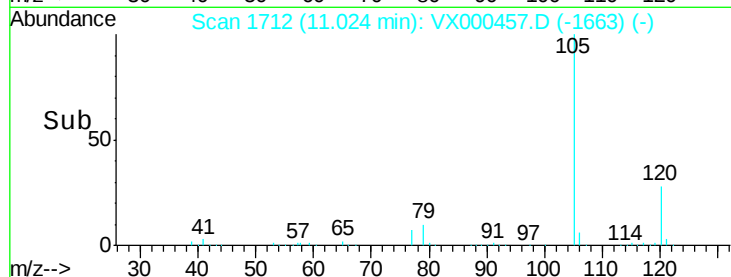
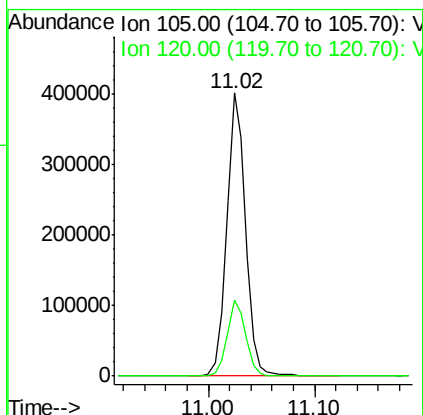
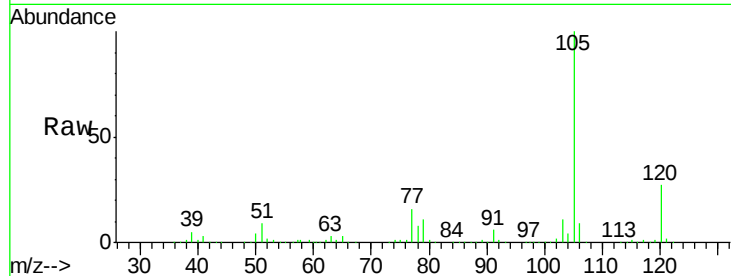




#73
Isopropylbenzene
Concen: 49.14 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VX000457.D
Acq: 27 Mar 2018 13:24

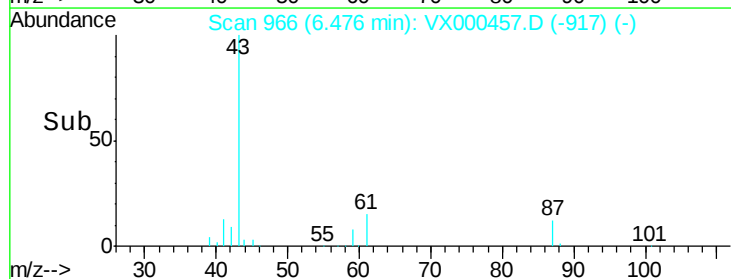
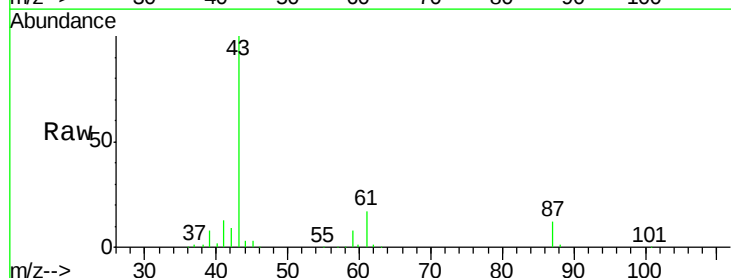
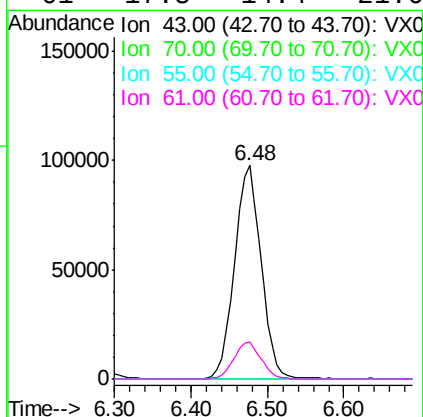
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

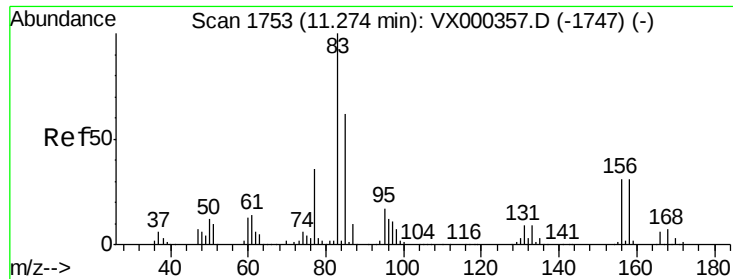
Tgt Ion:105 Resp: 495673
Ion Ratio Lower Upper
105 100
120 26.9 13.6 40.7



#74
N-ethyl acetate
Concen: 53.70 ug/l
RT: 6.48 min Scan# 966
Delta R.T. 0.00 min
Lab File: VX000457.D
Acq: 27 Mar 2018 13:24

Tgt Ion: 43 Resp: 235017
Ion Ratio Lower Upper
43 100
70 0.0 0.0 0.0
55 0.0 0.0 0.0#
61 17.8 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.85 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX000457.D

Acq: 27 Mar 2018 13:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

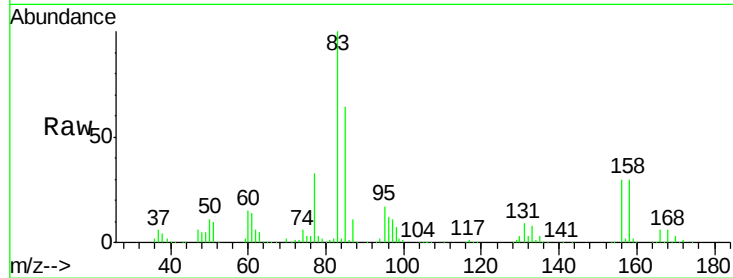
Tgt Ion: 83 Resp: 177845

Ion Ratio Lower Upper

83 100

131 10.0 5.0 14.9

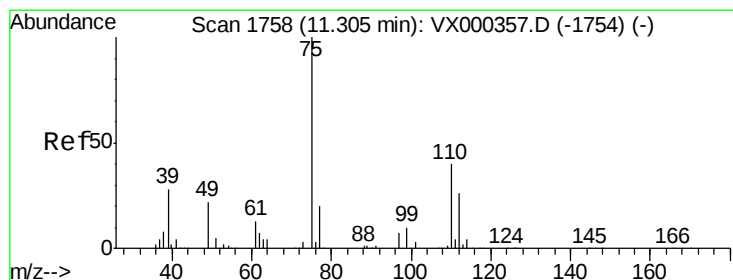
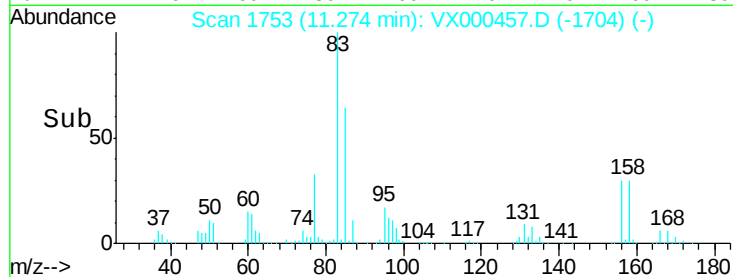
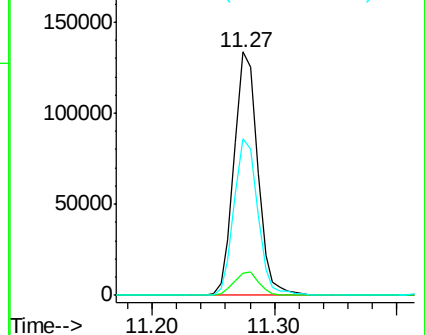
85 64.8 32.5 97.5



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: 62.47 ug/l

RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VX000457.D

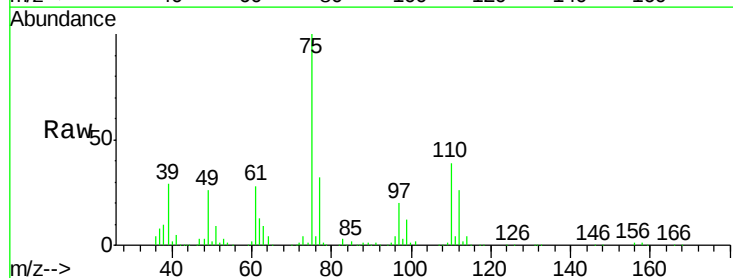
Acq: 27 Mar 2018 13:24

Tgt Ion: 75 Resp: 204406

Ion Ratio Lower Upper

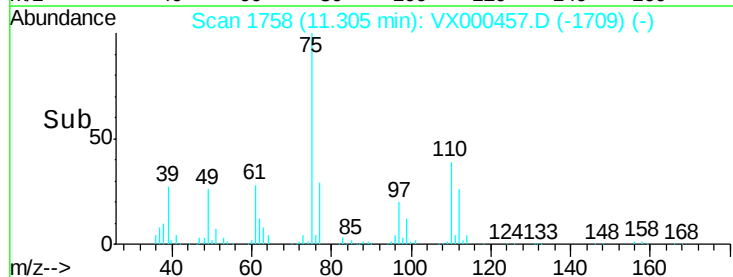
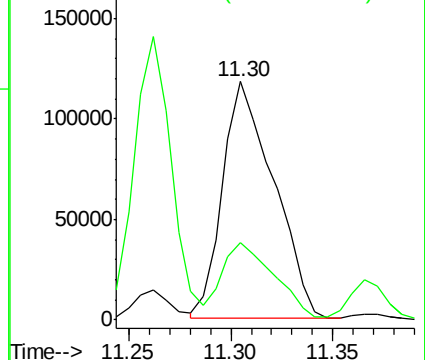
75 100

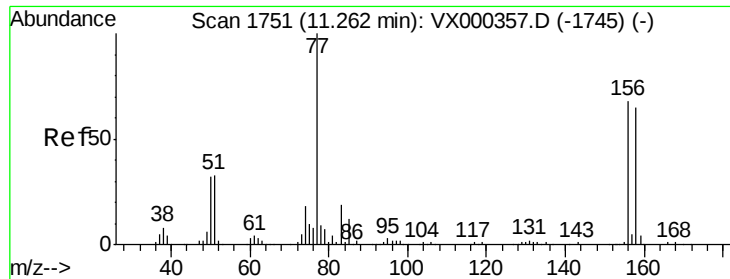
77 33.6 21.4 64.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 45.83 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000457.D

Acq: 27 Mar 2018 13:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

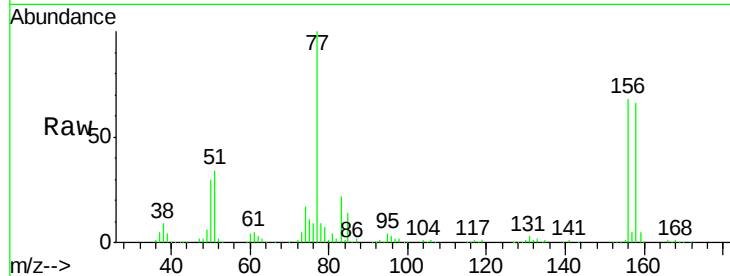
Tgt Ion:156 Resp: 123163

Ion Ratio Lower Upper

156 100

77 146.9 73.4 220.2

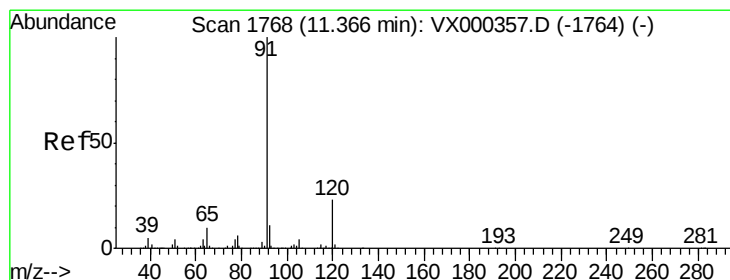
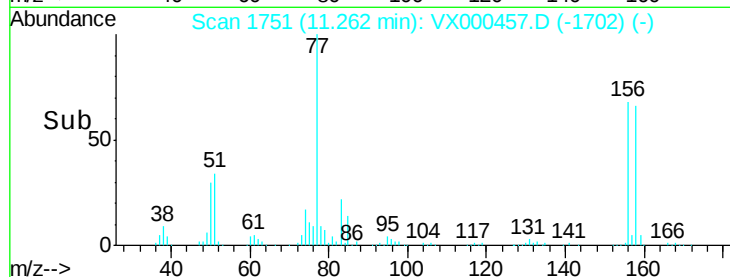
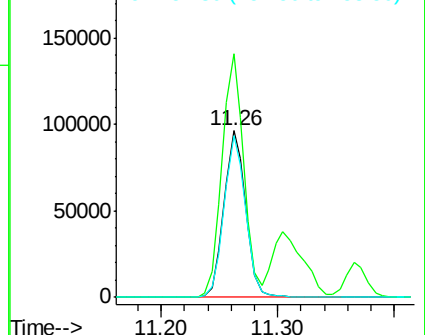
158 97.0 48.5 145.6



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: 50.35 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000457.D

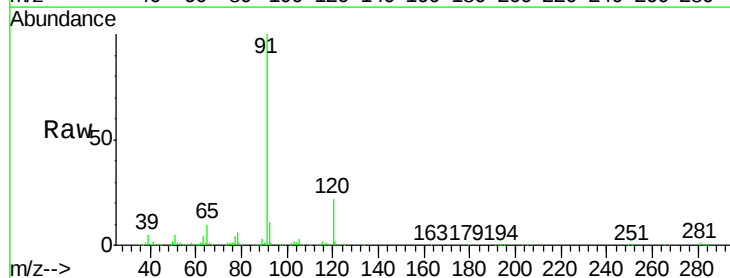
Acq: 27 Mar 2018 13:24

Tgt Ion: 91 Resp: 605613

Ion Ratio Lower Upper

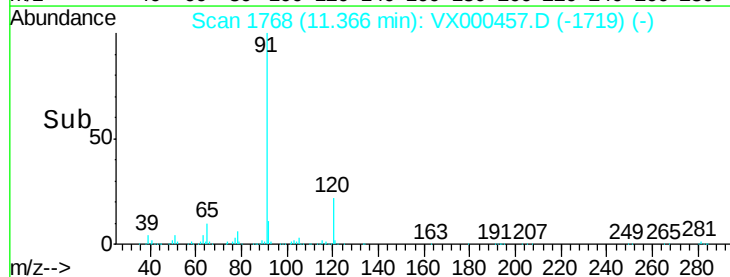
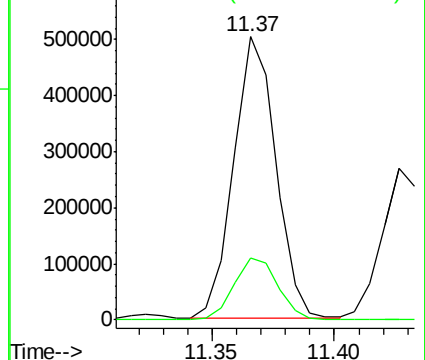
91 100

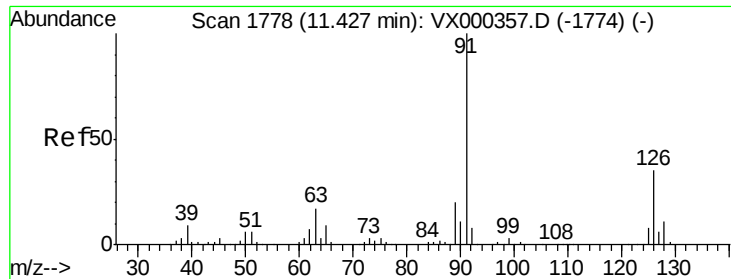
120 23.1 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.29 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX000457.D

Acq: 27 Mar 2018 13:24

Instrument :

MSVOA_X

ClientSampleId :

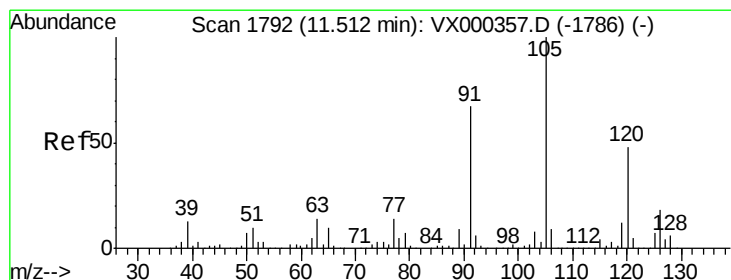
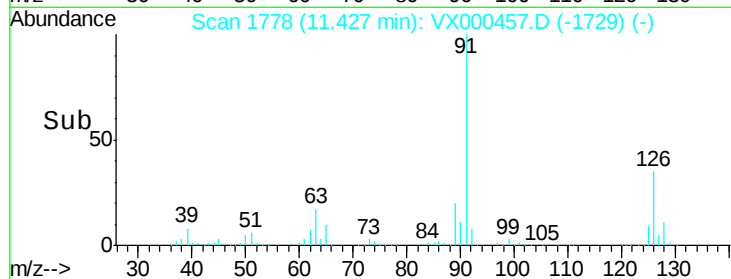
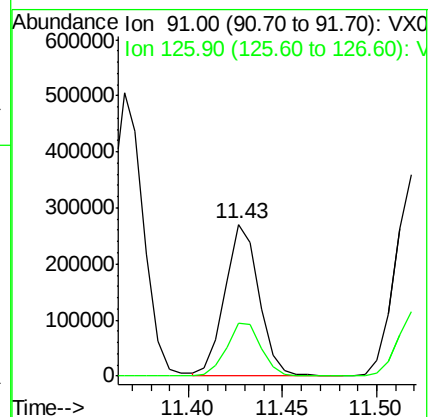
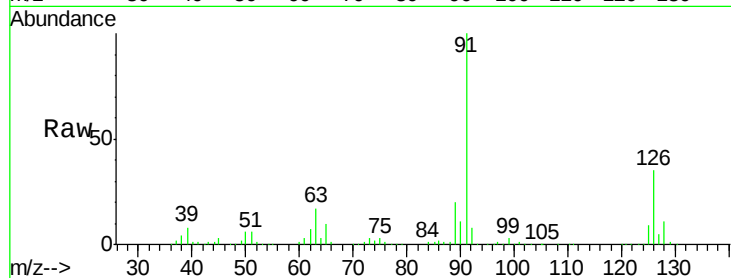
VSTDCCC050

Tgt Ion: 91 Resp: 335554

Ion Ratio Lower Upper

91 100

126 36.3 17.7 53.1



#80

1,3,5-Trimethylbenzene

Concen: 52.90 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000457.D

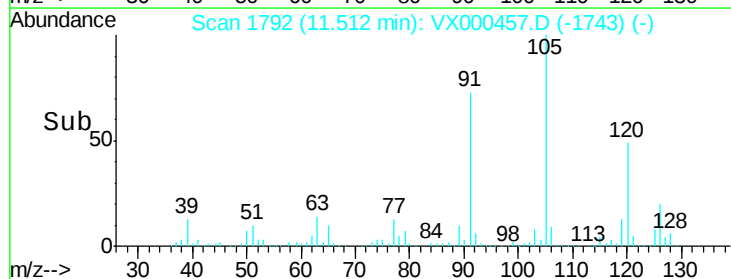
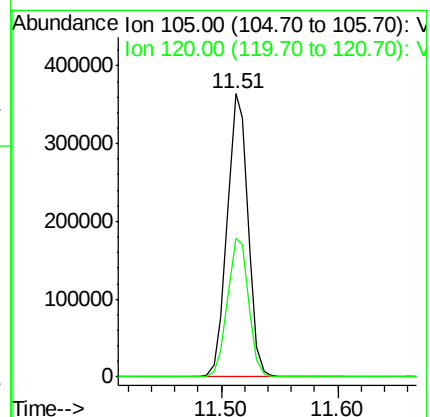
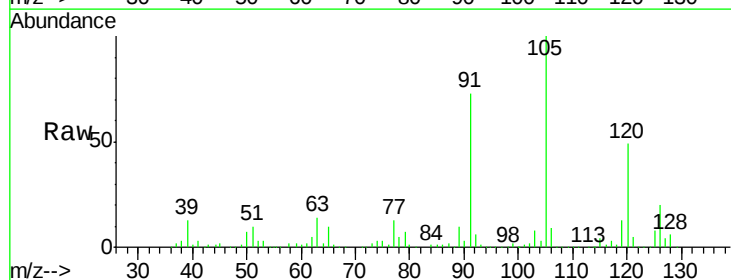
Acq: 27 Mar 2018 13:24

Tgt Ion: 105 Resp: 448635

Ion Ratio Lower Upper

105 100

120 49.5 24.1 72.4

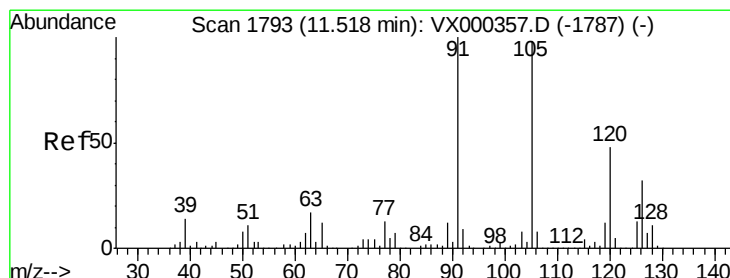
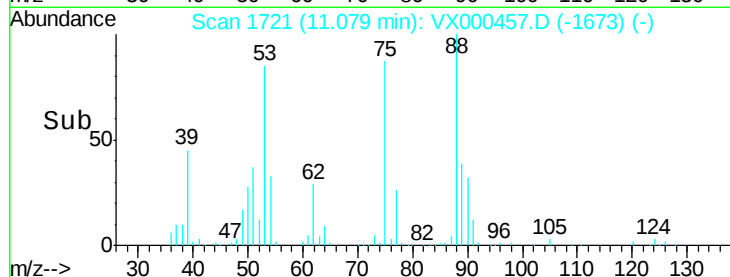
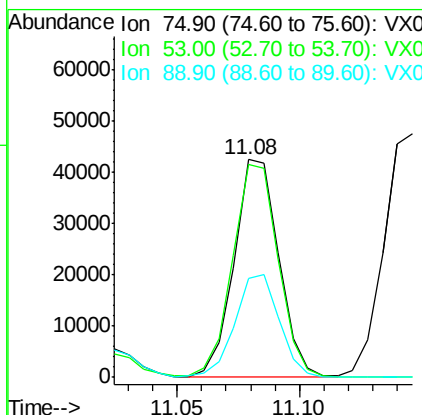
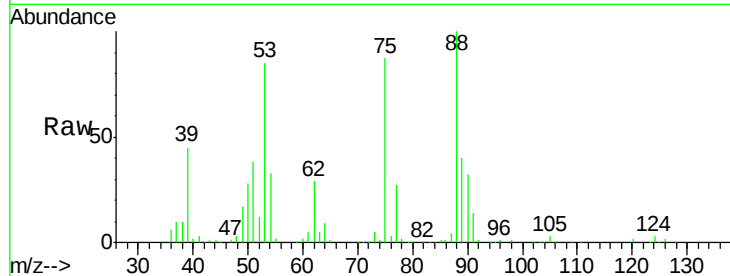




#81
trans-1,4-Dichloro-2-butene
Concen: 53.14 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.01 min
Lab File: VX000457.D
Acq: 27 Mar 2018 13:24

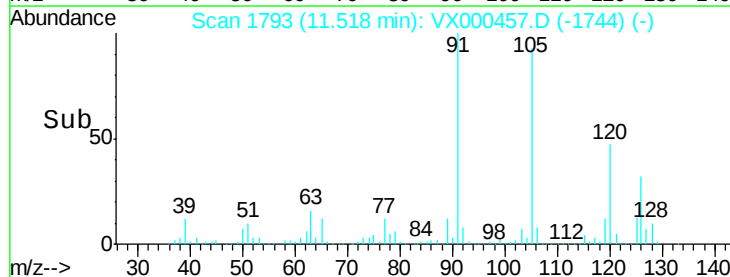
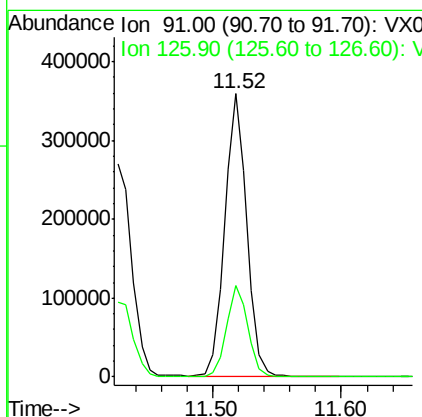
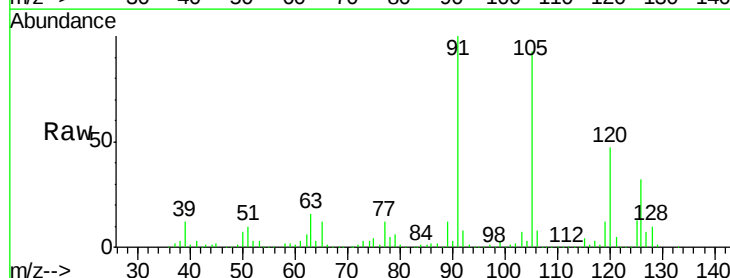
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 53699
Ion Ratio Lower Upper
75 100
53 100.5 80.7 121.1
89 47.4 39.4 59.0



#82
4-Chlorotoluene
Concen: 52.11 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX000457.D
Acq: 27 Mar 2018 13:24

Tgt Ion: 91 Resp: 432340
Ion Ratio Lower Upper
91 100
126 31.2 15.4 46.1

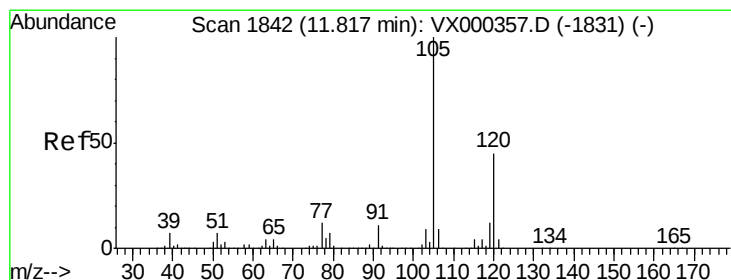
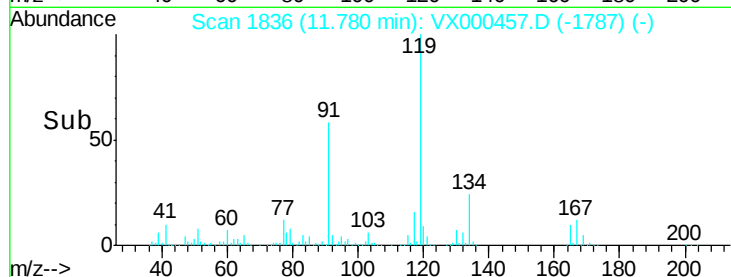
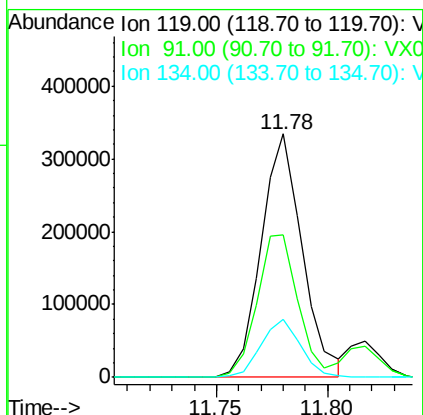
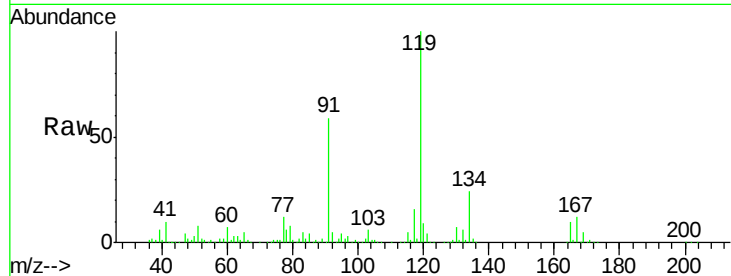




#83
 tert-Butylbenzene
 Concen: 50.18 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: VX000457.D
 Acq: 27 Mar 2018 13:24

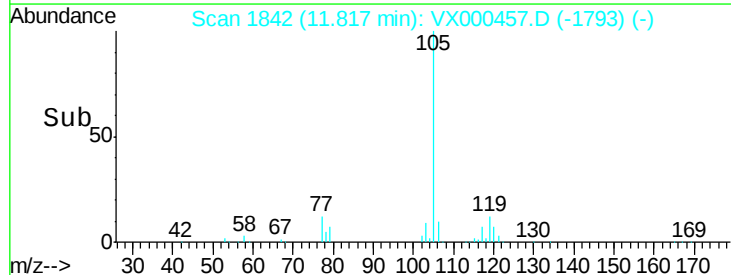
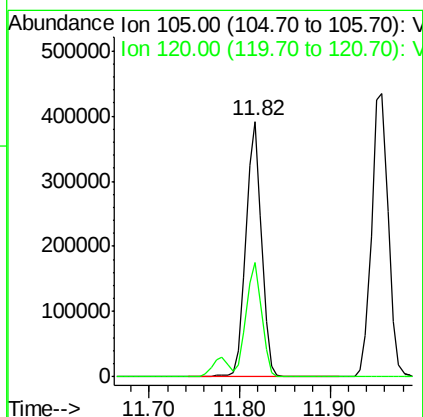
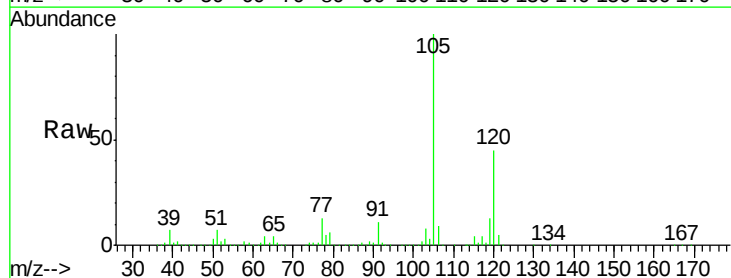
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

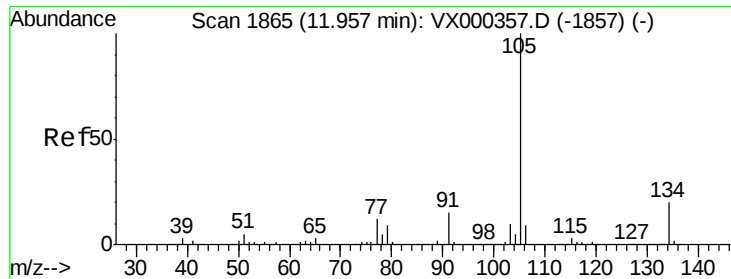
Tgt Ion:119 Resp: 429193
 Ion Ratio Lower Upper
 119 100
 91 58.4 28.8 86.4
 134 22.9 11.4 34.1



#84
 1,2,4-Trimethylbenzene
 Concen: 52.53 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX000457.D
 Acq: 27 Mar 2018 13:24

Tgt Ion:105 Resp: 467145
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.4 67.3

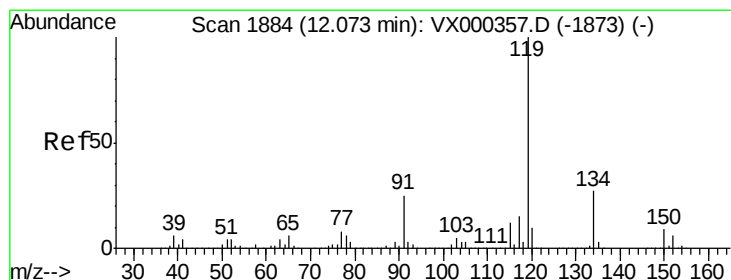
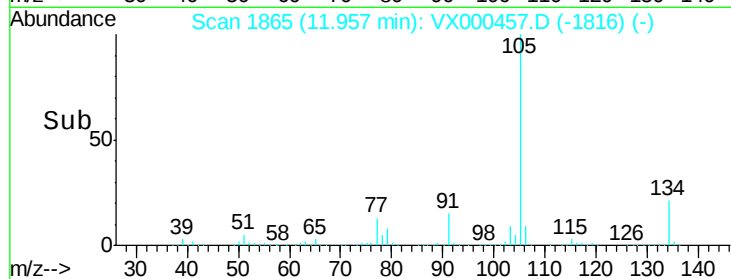
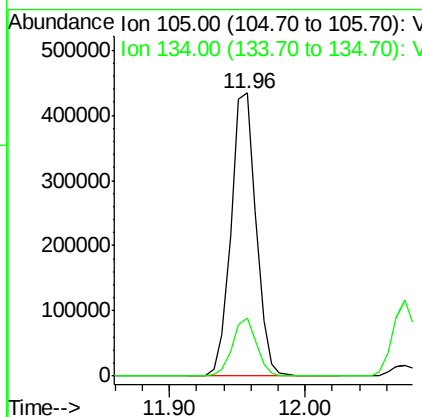
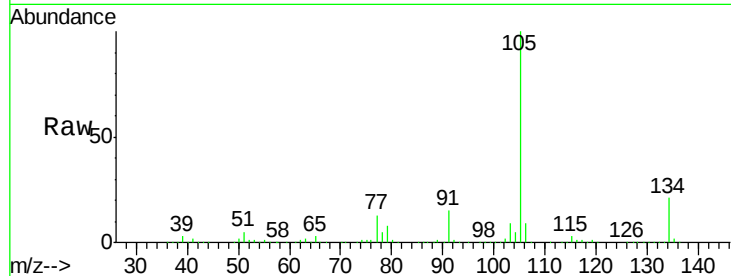




#85
 sec-Butylbenzene
 Concen: 52.29 ug/l
 RT: 11.96 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VX000457.D
 Acq: 27 Mar 2018 13:24

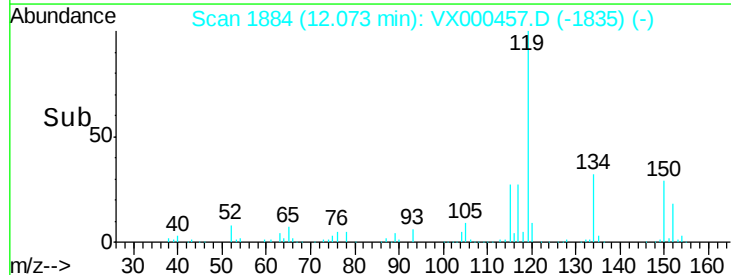
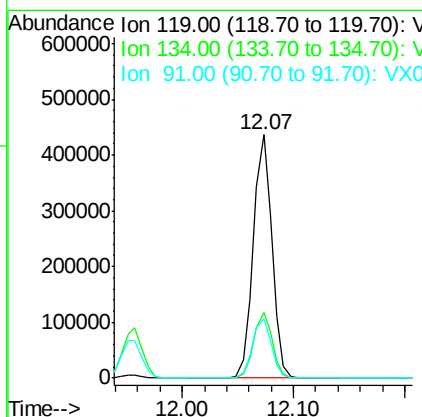
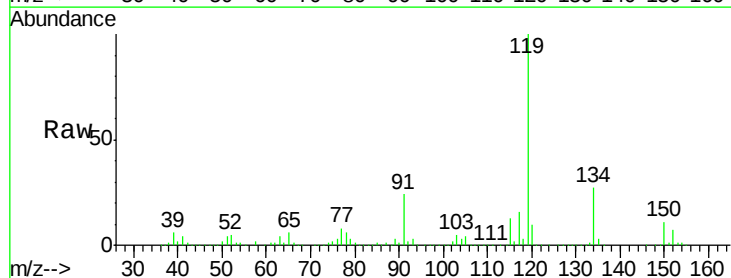
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

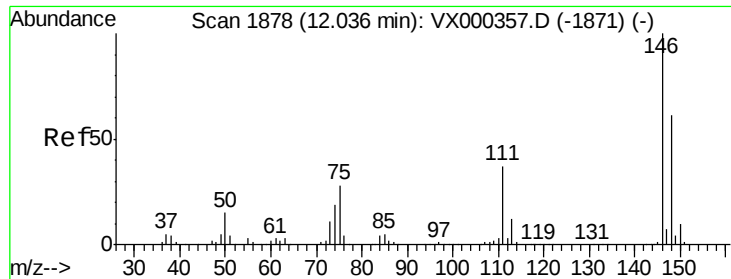
Tgt Ion:105 Resp: 553405
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 54.22 ug/l
 RT: 12.07 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VX000457.D
 Acq: 27 Mar 2018 13:24

Tgt Ion:119 Resp: 509676
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.3 39.9
 91 24.7 12.0 36.1

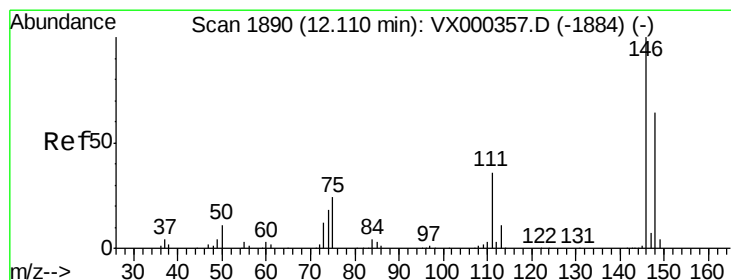
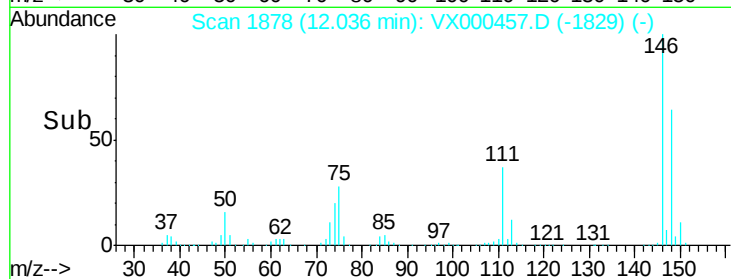
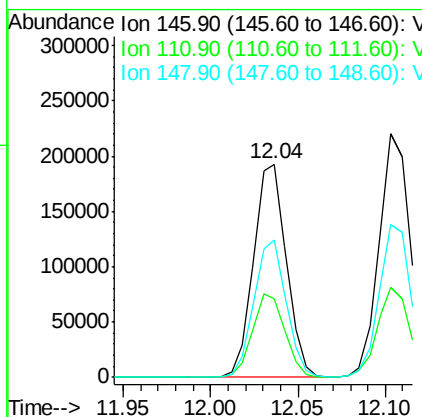
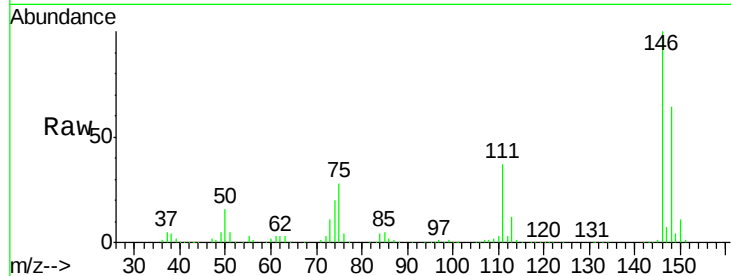




#87
 1,3-Dichlorobenzene
 Concen: 49.49 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VX000457.D
 Acq: 27 Mar 2018 13:24

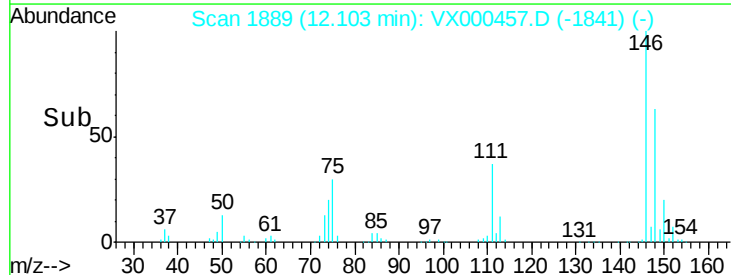
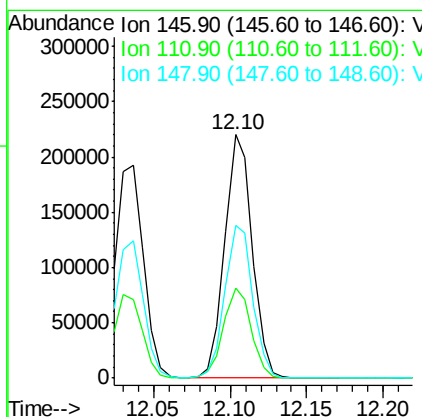
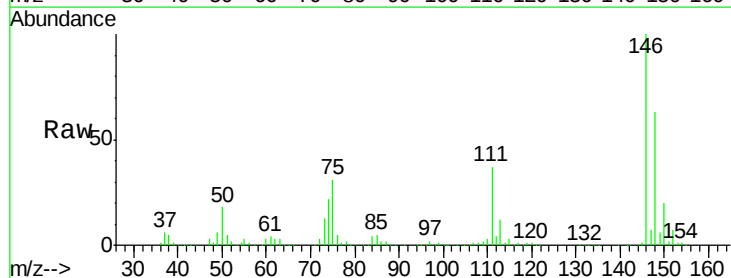
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

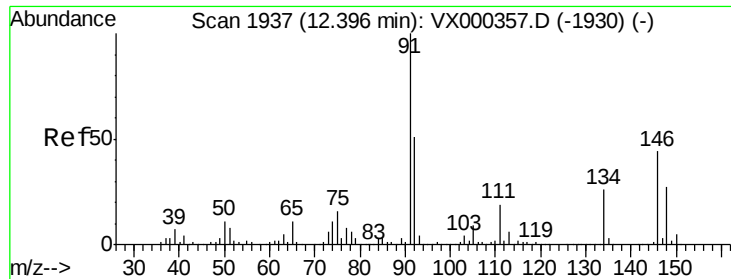
Tgt Ion:146 Resp: 251456
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.5 58.5
 148 63.6 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 51.48 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.01 min
 Lab File: VX000457.D
 Acq: 27 Mar 2018 13:24

Tgt Ion:146 Resp: 274599
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.9 56.9
 148 63.7 31.0 93.0





#89

n-Butylbenzene

Concen: 55.14 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX000457.D

Acq: 27 Mar 2018 13:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

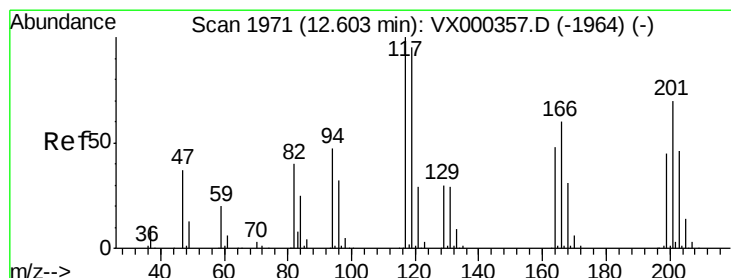
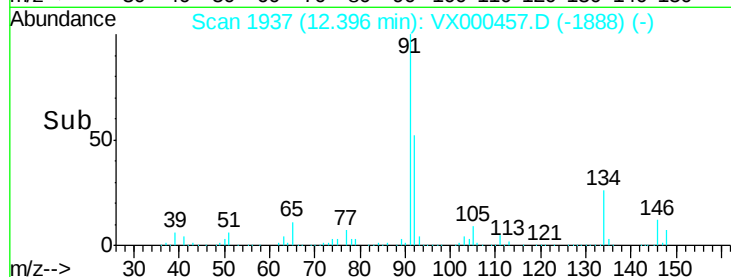
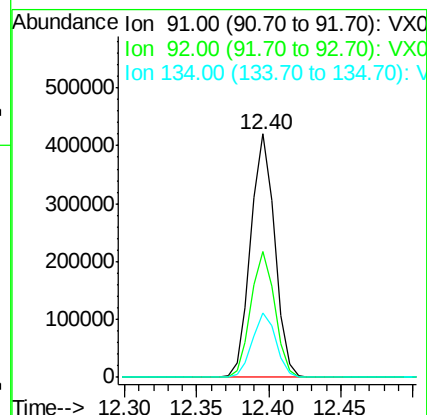
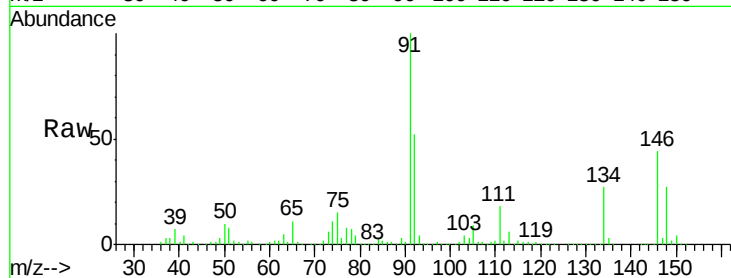
Tgt Ion: 91 Resp: 482548

Ion Ratio Lower Upper

91 100

92 51.5 25.9 77.8

134 26.1 13.1 39.3



#90

Hexachloroethane

Concen: 53.09 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VX000457.D

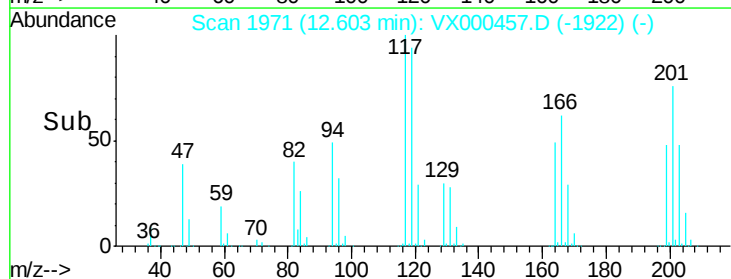
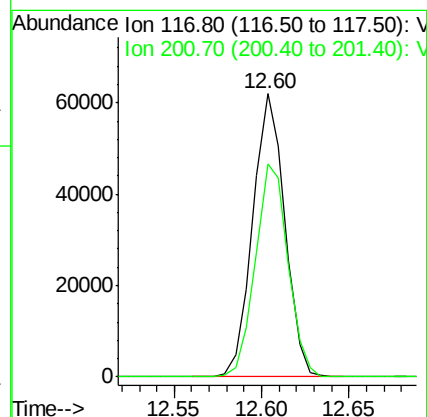
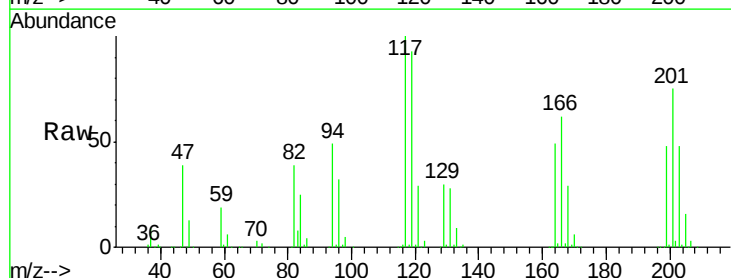
Acq: 27 Mar 2018 13:24

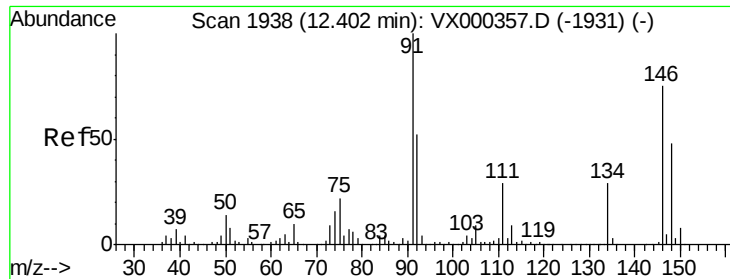
Tgt Ion: 117 Resp: 78555

Ion Ratio Lower Upper

117 100

201 77.0 37.9 113.6

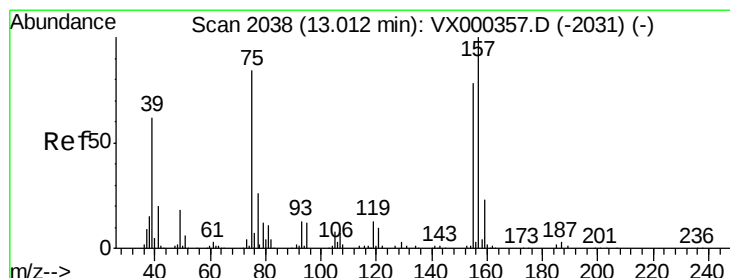
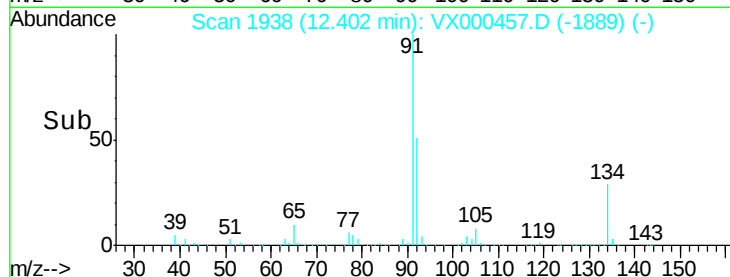
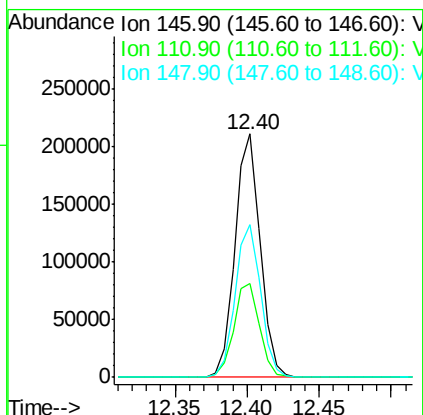
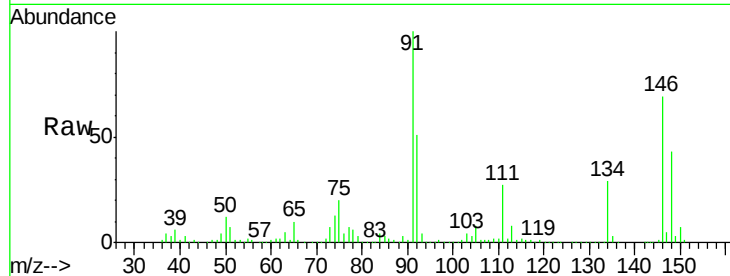




#91
 1,2-Dichlorobenzene
 Concen: 51.92 ug/l
 RT: 12.40 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VX000457.D
 Acq: 27 Mar 2018 13:24

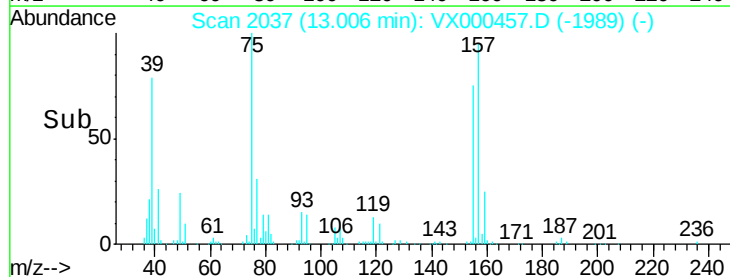
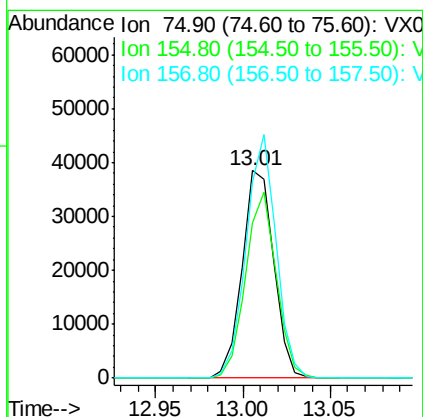
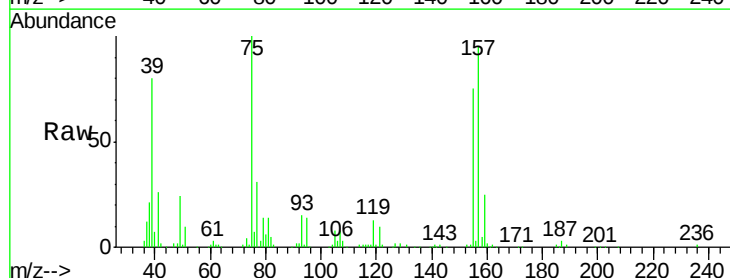
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion:146 Resp: 258609
 Ion Ratio Lower Upper
 146 100
 111 39.6 20.1 60.2
 148 63.4 31.2 93.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.86 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.01 min
 Lab File: VX000457.D
 Acq: 27 Mar 2018 13:24

Tgt Ion: 75 Resp: 48613
 Ion Ratio Lower Upper
 75 100
 155 86.9 45.0 134.8
 157 110.8 58.1 174.2

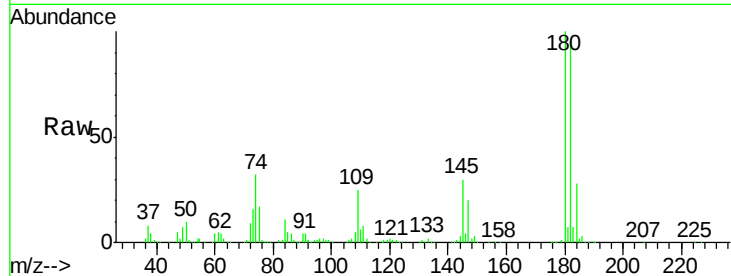




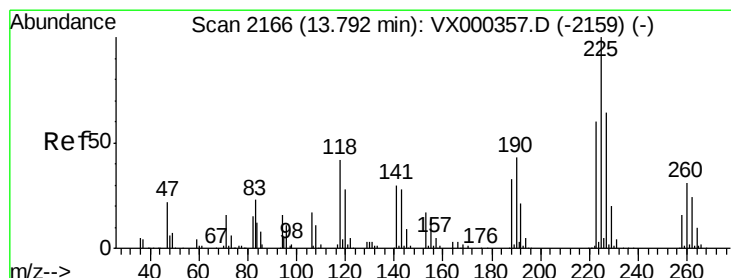
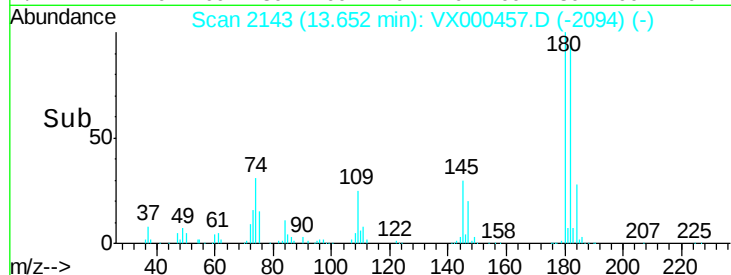
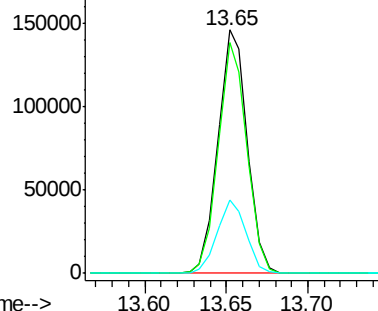
#93
 1,2,4-Trichlorobenzene
 Concen: 50.87 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000457.D
 Acq: 27 Mar 2018 13:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 181650
 Ion Ratio Lower Upper
 180 100
 182 92.9 47.6 142.9
 145 29.7 15.1 45.3

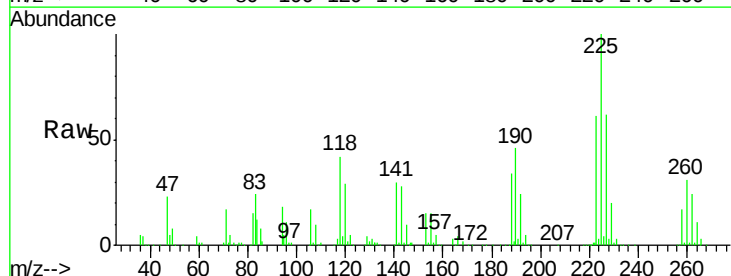


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

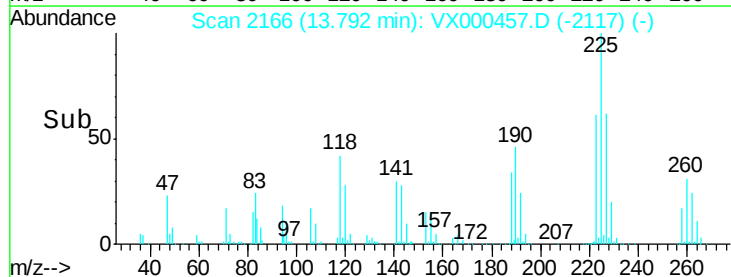
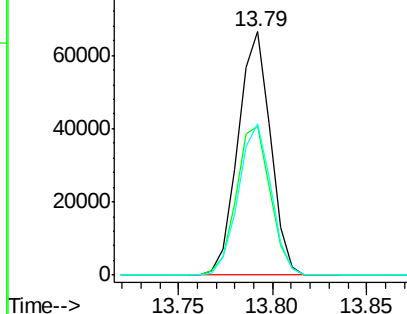


#94
 Hexachlorobutadiene
 Concen: 53.65 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. -0.00 min
 Lab File: VX000457.D
 Acq: 27 Mar 2018 13:24

Tgt Ion:225 Resp: 79320
 Ion Ratio Lower Upper
 225 100
 223 64.1 32.0 96.0
 227 62.8 32.6 98.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

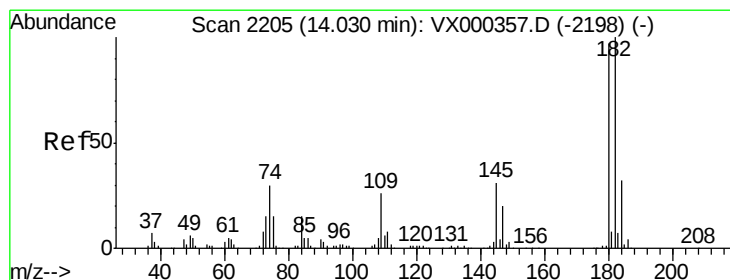
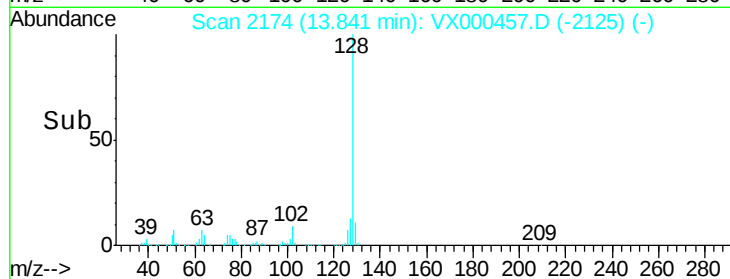
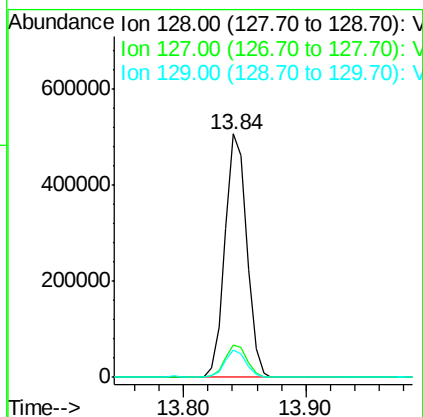
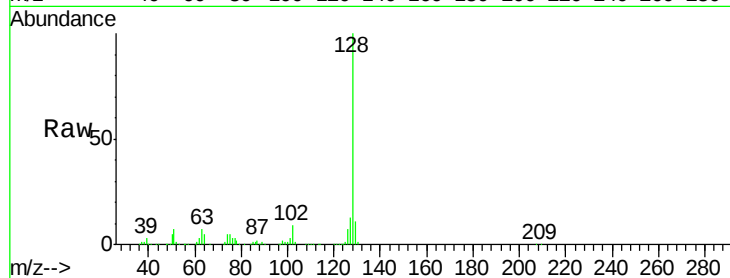




#95
Naphthalene
Concen: 49.99 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000457.D
Acq: 27 Mar 2018 13:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 621886
Ion Ratio Lower Upper
128 100
127 13.5 10.6 15.8
129 11.0 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 49.02 ug/l
RT: 14.03 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VX000457.D
Acq: 27 Mar 2018 13:24

Tgt Ion:180 Resp: 172987
Ion Ratio Lower Upper
180 100
182 96.7 47.4 142.3
145 32.8 15.8 47.3

