

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040519\
 Data File : VX008683.D
 Acq On : 05 Apr 2019 15:17
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 06 01:22:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	200767	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	322768	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	292220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	143157	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	147072	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
35) Dibromofluoromethane	5.49	113	109472	53.05	ug/l	0.00
Spiked Amount			Recovery	=	106.10%	
50) Toluene-d8	8.71	98	446959	54.39	ug/l	0.00
Spiked Amount			Recovery	=	108.78%	
62) 4-Bromofluorobenzene	11.13	95	168573	57.85	ug/l	0.00
Spiked Amount			Recovery	=	115.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	103696	44.871	ug/l	98
3) Chloromethane	1.32	50	138187	48.749	ug/l	100
4) Vinyl Chloride	1.40	62	136409	43.664	ug/l	99
5) Bromomethane	1.64	94	64509	42.222	ug/l	98
6) Chloroethane	1.71	64	83817	49.071	ug/l	98
7) Trichlorofluoromethane	1.92	101	158354	45.855	ug/l	99
8) Diethyl Ether	2.18	74	72615	44.341	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	104068	46.806	ug/l	99
10) Methyl Iodide	2.51	142	77615	39.264	ug/l	99
11) Tert butyl alcohol	3.05	59	148381	216.440	ug/l	100
12) 1,1-Dichloroethene	2.37	96	102435	44.133	ug/l	98
13) Acrolein	2.29	56	63630	187.184	ug/l	99
14) Allyl chloride	2.72	41	240840	45.327	ug/l	99
15) Acrylonitrile	3.14	53	389730	214.592	ug/l	100
16) Acetone	2.44	43	397538	235.701	ug/l	99
17) Carbon Disulfide	2.56	76	307871	45.873	ug/l	99
18) Methyl Acetate	2.77	43	171111	41.831	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	381771	46.058	ug/l	99
20) Methylene Chloride	2.85	84	123083	43.597	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	110846	44.151	ug/l	94
22) Diisopropyl ether	3.85	45	461351	45.049	ug/l	89
23) Vinyl Acetate	3.81	43	2056320	230.810	ug/l	99
24) 1,1-Dichloroethane	3.69	63	228771	45.118	ug/l	99
25) 2-Butanone	4.67	43	599512	224.895	ug/l	99
26) 2,2-Dichloropropane	4.58	77	171138	47.921	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	128700	44.587	ug/l	99
28) Bromochloromethane	5.01	49	115836	54.992	ug/l	99
29) Tetrahydrofuran	5.12	42	373207	210.933	ug/l	100
30) Chloroform	5.21	83	205523	45.381	ug/l	99
31) Cyclohexane	5.57	56	229612	45.383	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	170592	46.613	ug/l	99
36) 1,1-Dichloropropene	5.79	75	165228	46.831	ug/l	100
37) Ethyl Acetate	4.83	43	214507	45.549	ug/l	99
38) Carbon Tetrachloride	5.78	117	141965	48.616	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	210666	48.335	ug/l	100
40) Benzene	6.14	78	494828	47.078	ug/l	99
41) Methacrylonitrile	5.04	41	123751	45.715	ug/l	100
42) 1,2-Dichloroethane	6.19	62	175105	46.470	ug/l	100
43) Isopropyl Acetate	6.44	43	351678	47.671	ug/l	100
44) Trichloroethene	7.21	130	116881	47.745	ug/l	99
45) 1,2-Dichloropropane	7.51	63	140421	46.806	ug/l	99
46) Dibromomethane	7.66	93	79631	45.765	ug/l	98
47) Bromodichloromethane	7.90	83	160694	48.981	ug/l	99
48) Methyl methacrylate	7.77	41	177973	47.691	ug/l	99
49) 1,4-Dioxane	7.74	88	63294	905.404	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1141444	240.354	ug/l	100
52) Toluene	8.78	92	301677	48.683	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	189291	51.508	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	210253	50.070	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	118344	47.577	ug/l	99
56) Ethyl methacrylate	9.18	69	226728	50.378	ug/l	100
57) 1,3-Dichloropropane	9.37	76	214620	48.051	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	330240	143.705	ug/l	100
59) 2-Hexanone	9.49	43	892745	241.892	ug/l	100
60) Dibromochloromethane	9.58	129	119608	51.029	ug/l	99
61) 1,2-Dibromoethane	9.67	107	123229	47.588	ug/l	99
64) Tetrachloroethene	9.34	164	101863	47.049	ug/l	98
65) Chlorobenzene	10.13	112	310811	47.983	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	109463	48.169	ug/l	100
67) Ethyl Benzene	10.25	91	585073	48.439	ug/l	98
68) m/p-Xylenes	10.36	106	428891	98.757	ug/l	100
69) o-Xylene	10.69	106	207319	49.259	ug/l	99
70) Styrene	10.71	104	368686	50.819	ug/l	99
71) Bromoform	10.85	173	90598	52.200	ug/l #	98
73) Isopropylbenzene	11.02	105	551382	46.476	ug/l	100
74) N-amyl acetate	10.90	43	324305	46.462	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	196186	43.481	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	235525	59.890	ug/l	81
77) Bromobenzene	11.26	156	133986	46.978	ug/l	98
78) n-propylbenzene	11.36	91	658545	47.673	ug/l	100
79) 2-Chlorotoluene	11.42	91	390065	46.661	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	472911	47.487	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	70396	49.343	ug/l	98
82) 4-Chlorotoluene	11.51	91	453875	46.905	ug/l	99
83) tert-Butylbenzene	11.77	119	450038	46.972	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	478861	47.488	ug/l	100
85) sec-Butylbenzene	11.94	105	547522	48.110	ug/l	99
86) p-Isopropyltoluene	12.06	119	499634	48.914	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	243639	47.718	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	244103	47.213	ug/l	99
89) n-Butylbenzene	12.38	91	480443	50.154	ug/l	99
90) Hexachloroethane	12.60	117	82906	48.936	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	238198	46.987	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	42187	42.503	ug/l	99

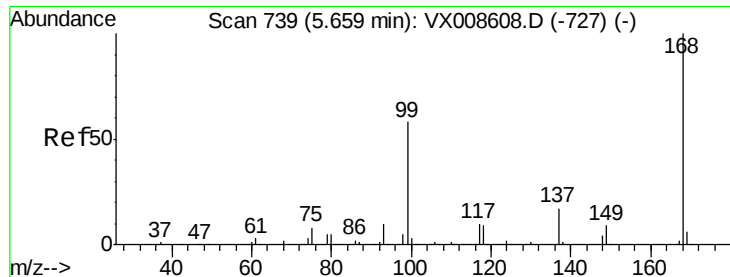
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	172972	49.073	ug/l	99
94) Hexachlorobutadiene	13.78	225	83525	49.411	ug/l	98
95) Naphthalene	13.83	128	553649	46.997	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	170940	48.539	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

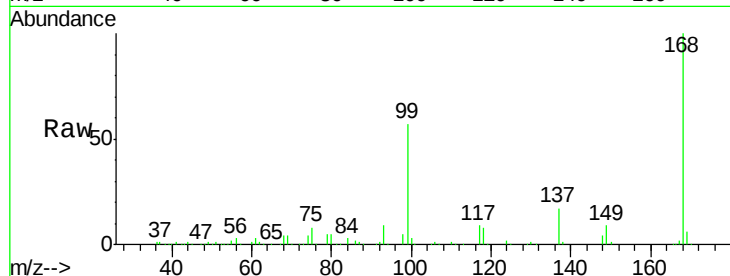
VSTDCCC050

Tot Ion:168 Resp: 200767

Ion Ratio Lower Upper

168 100

99 57.0 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

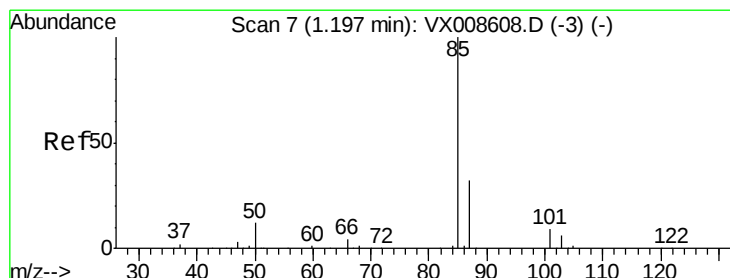
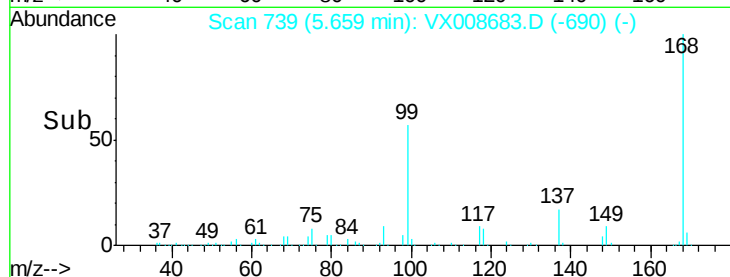
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 44.871 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008683.D

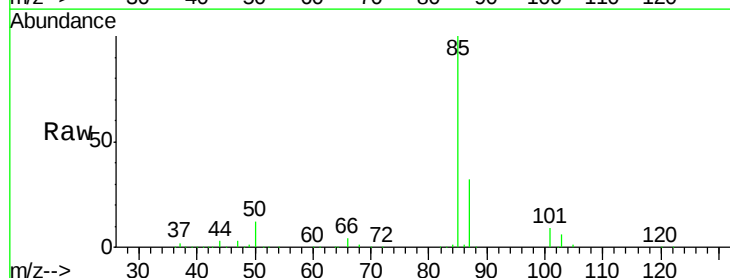
Acq: 05 Apr 2019 15:17

Tgt Ion: 85 Resp: 103696

Ion Ratio Lower Upper

85 100

87 32.4 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

60000

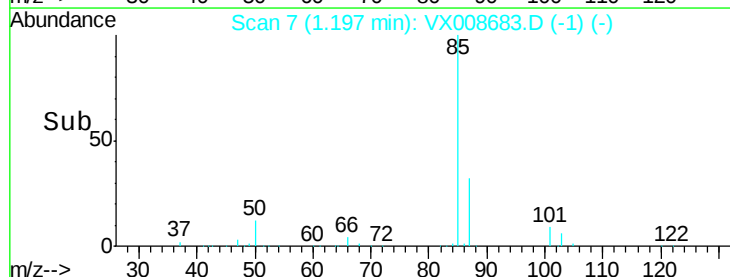
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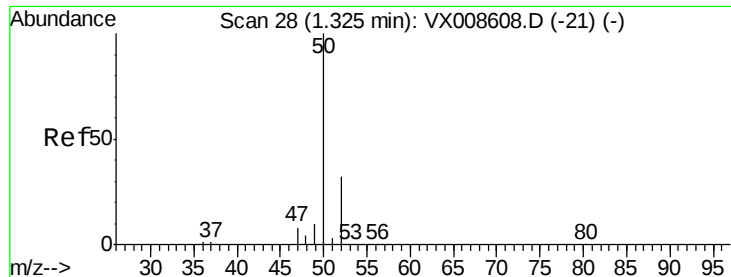
20000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 48.749 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

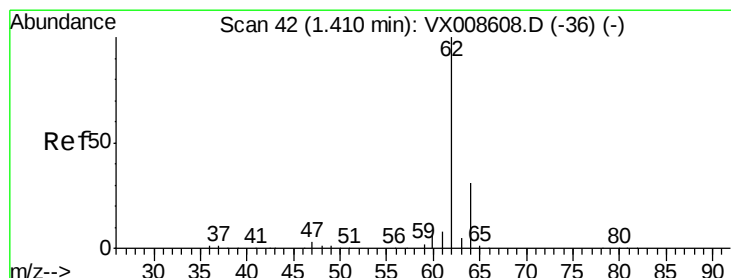
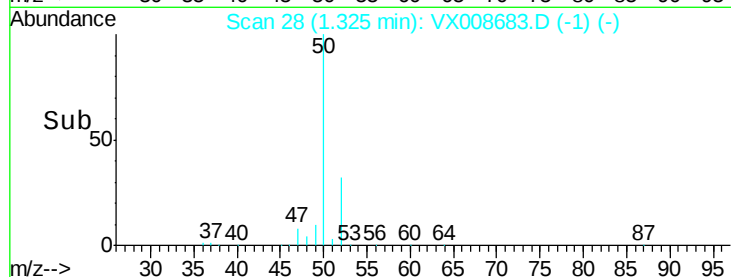
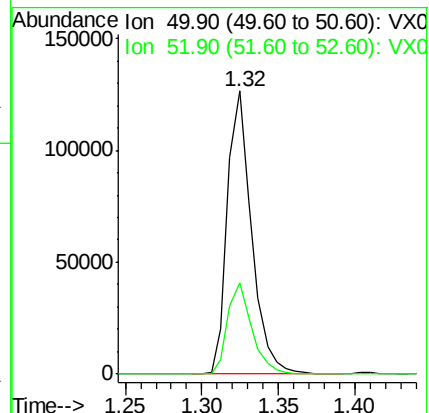
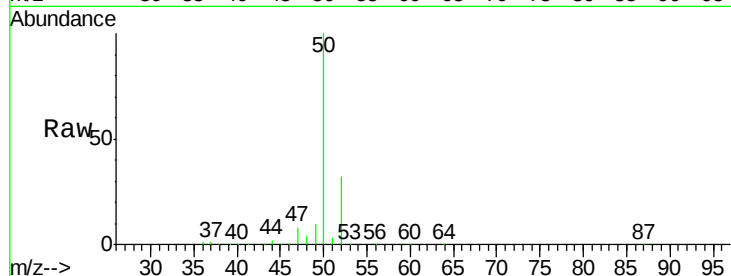
VSTDCCC050

Tot Ion: 50 Resp: 138187

Ion Ratio Lower Upper

50 100

52 32.1 25.8 38.8



#4

Vinyl Chloride

Concen: 43.664 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX008683.D

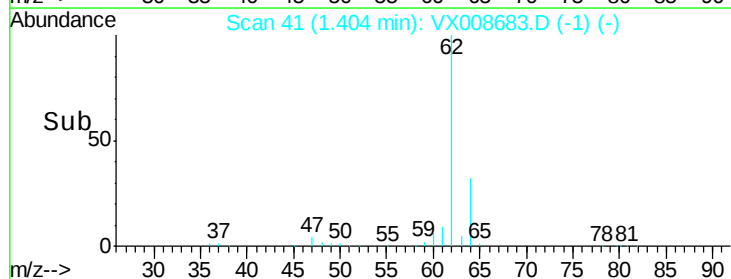
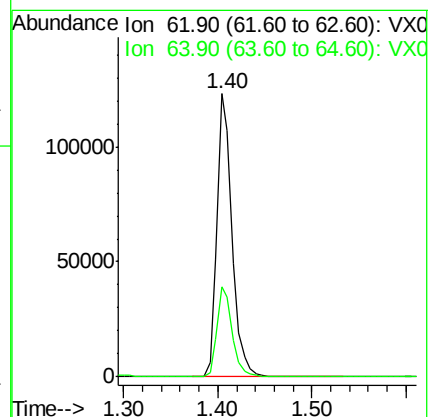
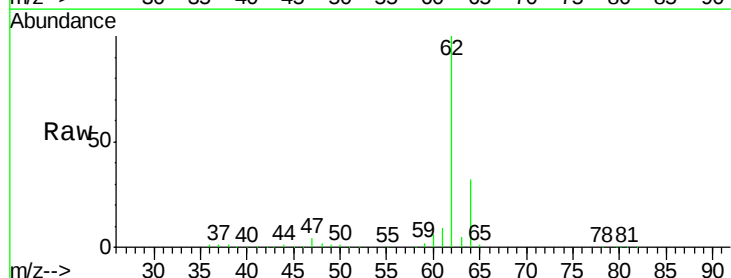
Acq: 05 Apr 2019 15:17

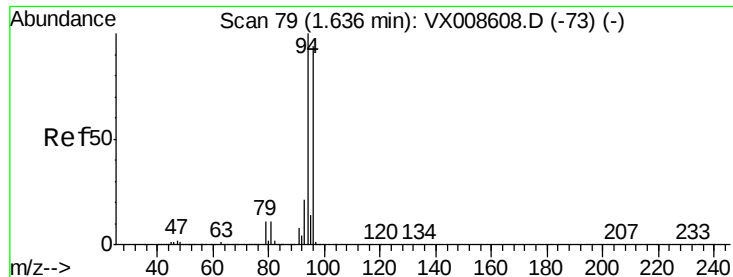
Tgt Ion: 62 Resp: 136409

Ion Ratio Lower Upper

62 100

64 31.6 24.7 37.1





#5

Bromomethane

Concen: 42.222 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

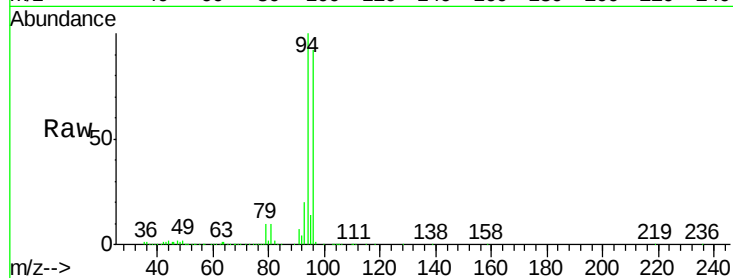
VSTDCCC050

Tot Ion: 94 Resp: 64509

Ion Ratio Lower Upper

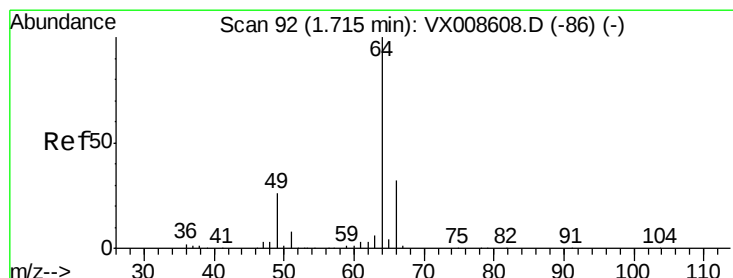
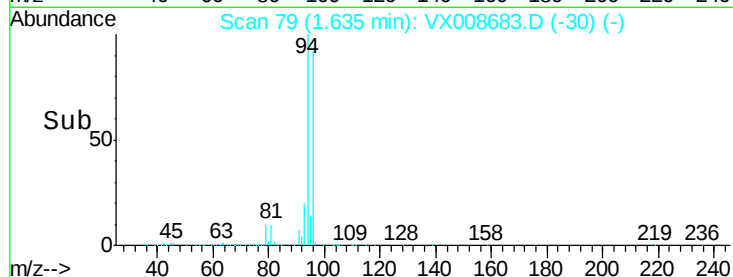
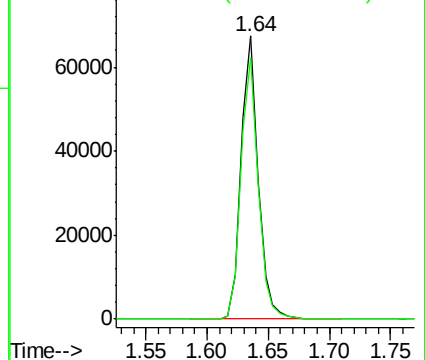
94 100

96 92.3 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 49.071 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX008683.D

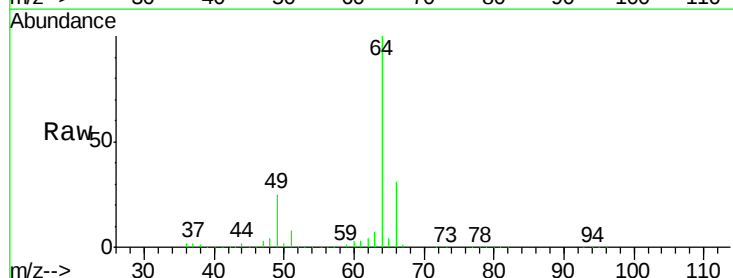
Acq: 05 Apr 2019 15:17

Tgt Ion: 64 Resp: 83817

Ion Ratio Lower Upper

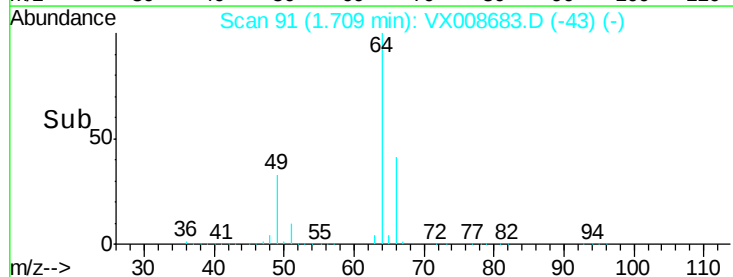
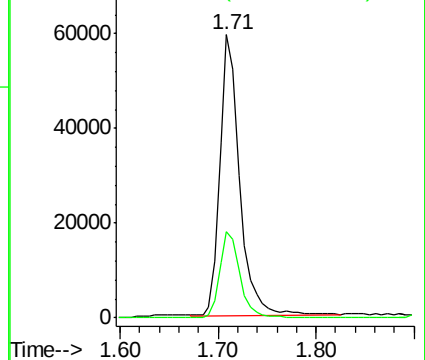
64 100

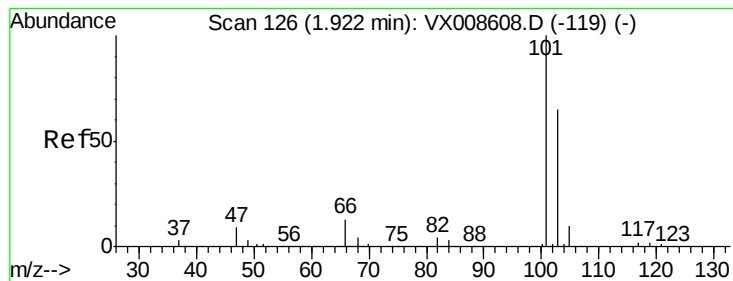
66 30.7 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



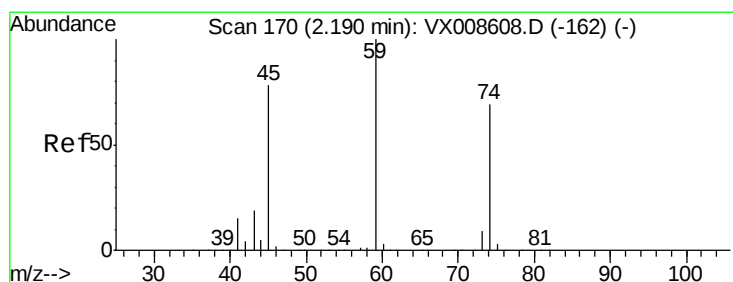
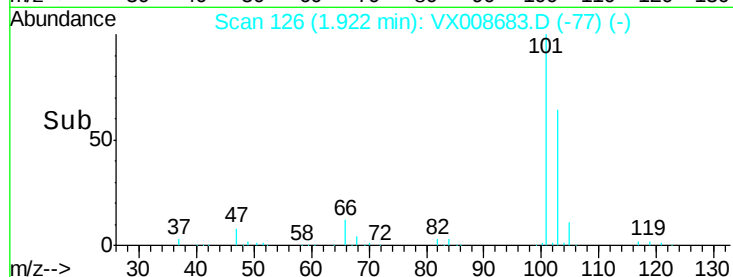
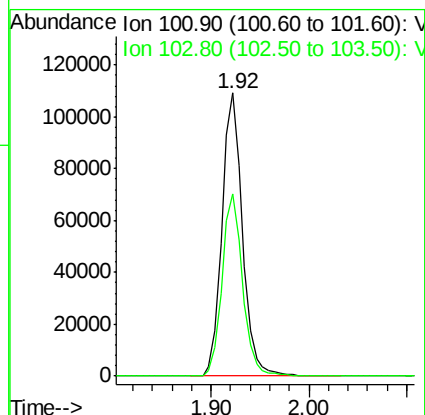
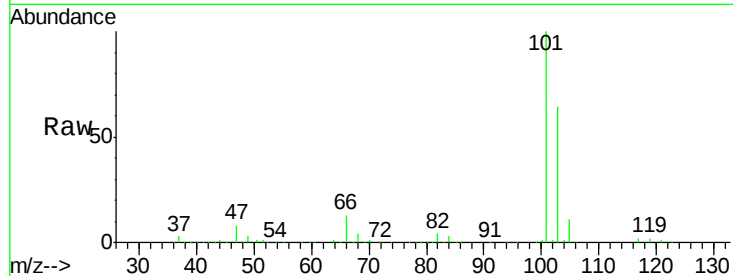


#7

Trichlorofluoromethane
Concen: 45.855 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX008683.D
Acq: 05 Apr 2019 15:17

Instrument :
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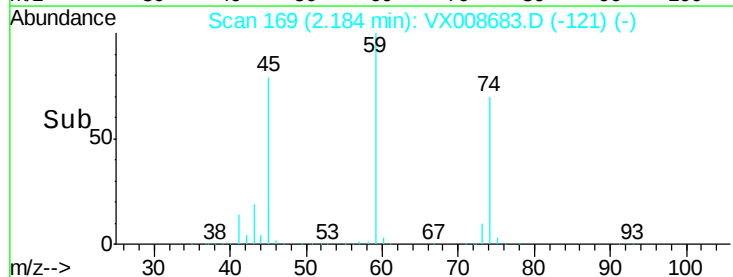
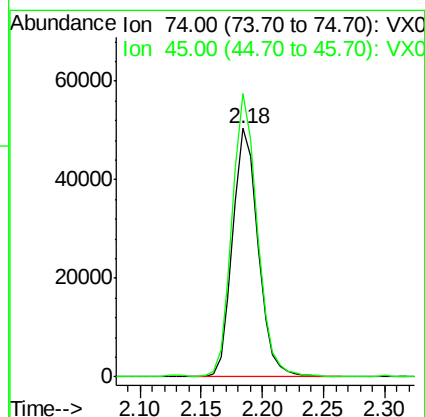
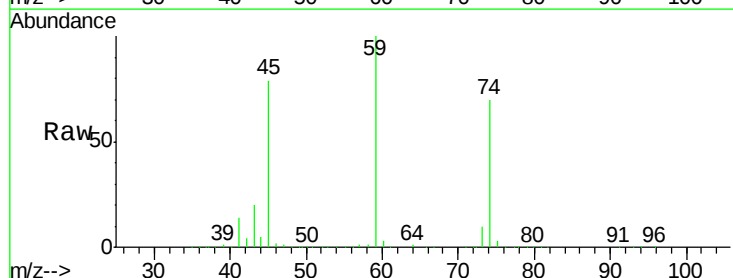
Tot Ion:101 Resp: 158354
Ion Ratio Lower Upper
101 100
103 64.4 52.3 78.5



#8

Diethyl Ether
Concen: 44.341 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX008683.D
Acq: 05 Apr 2019 15:17

Tgt Ion: 74 Resp: 72615
Ion Ratio Lower Upper
74 100
45 112.0 56.5 169.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.806 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

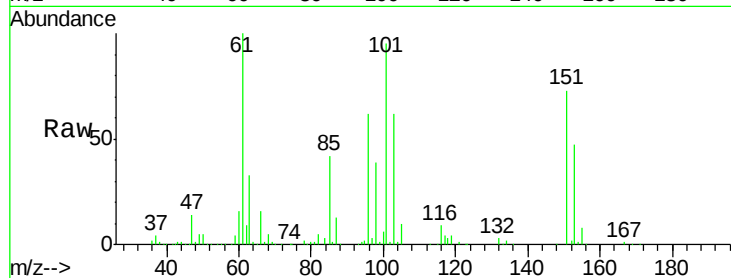
Tot Ion:101 Resp: 104068

Ion Ratio Lower Upper

101 100

85 43.9 36.0 54.0

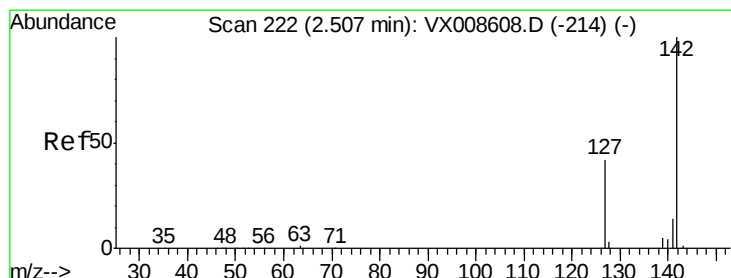
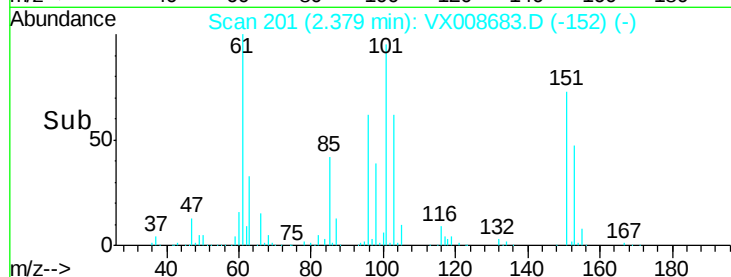
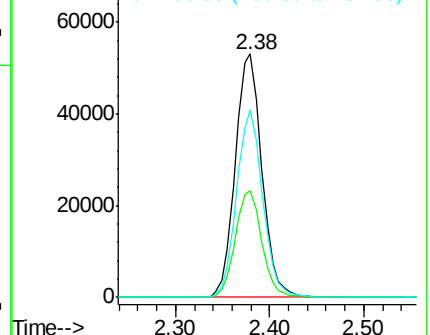
151 76.0 59.9 89.9



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: 39.264 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

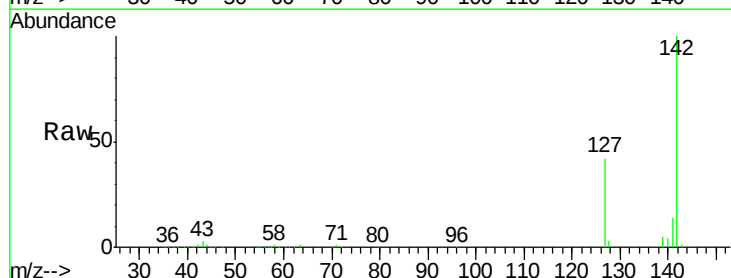
Tgt Ion:142 Resp: 77615

Ion Ratio Lower Upper

142 100

127 40.6 33.0 49.6

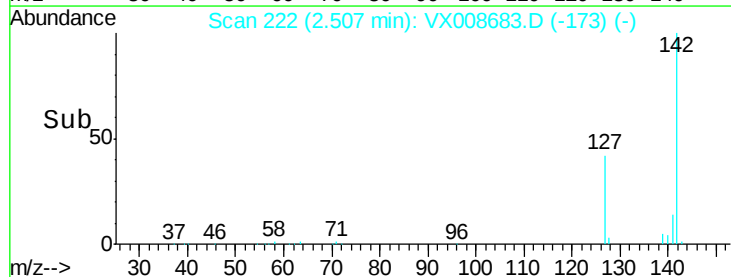
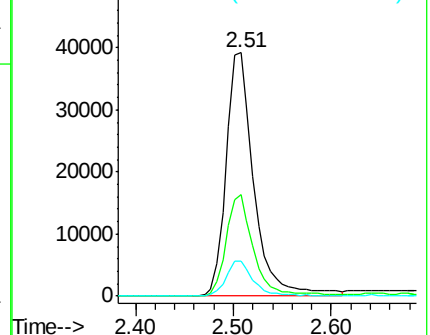
141 14.7 11.4 17.2

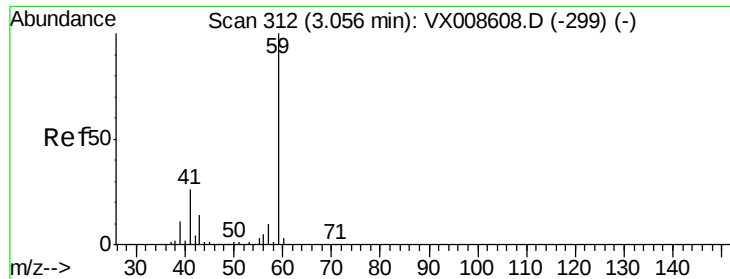


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

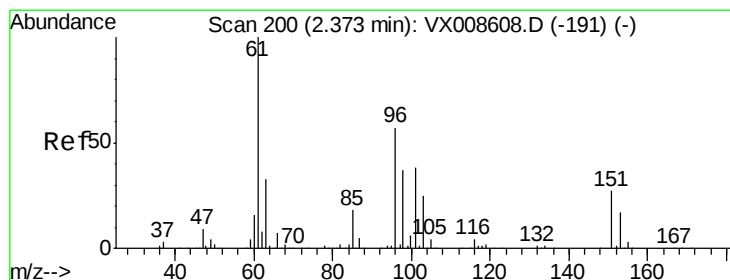
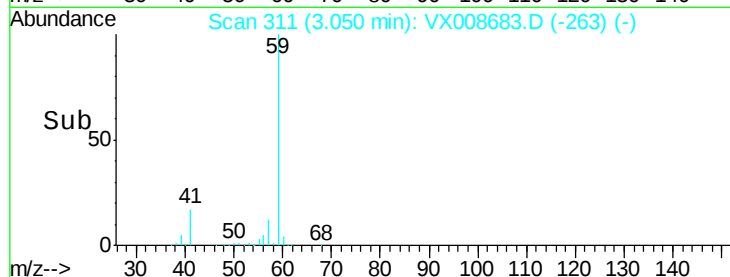
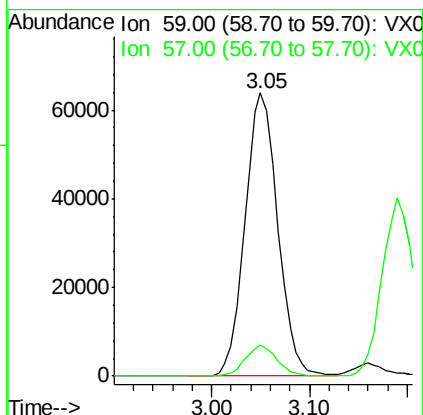
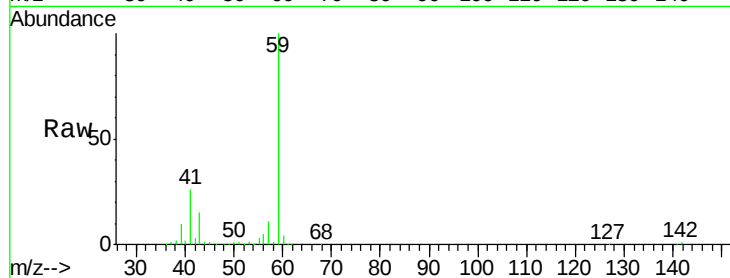




#11
Tert butyl alcohol
Concen: 216.440 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.01 min
Lab File: VX008683.D
Acq: 05 Apr 2019 15:17

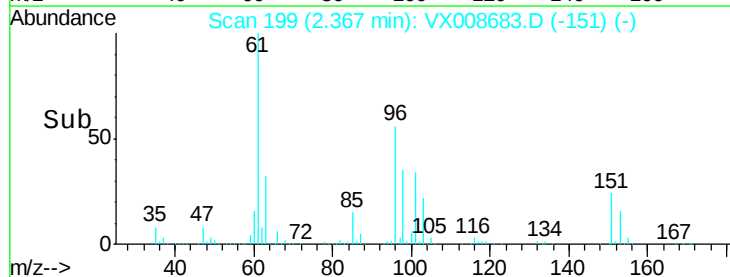
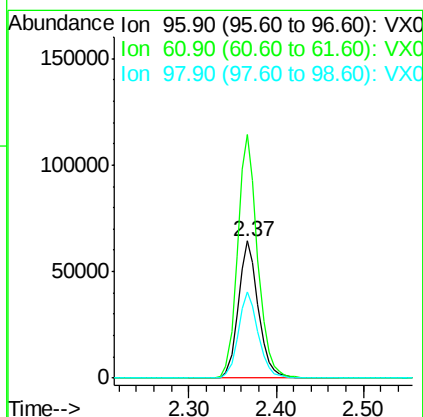
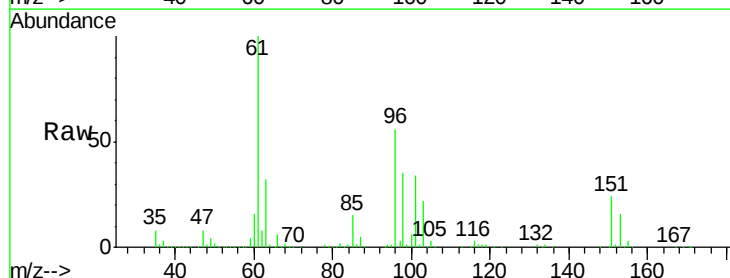
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

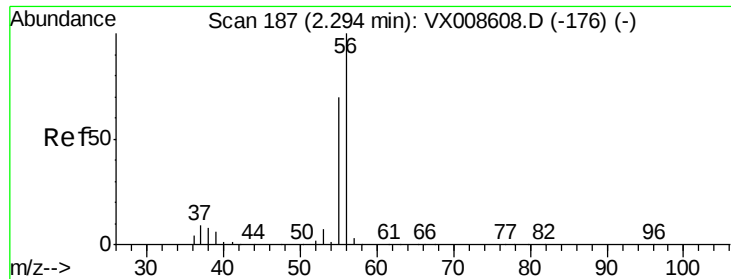
Tot Ion: 59 Resp: 148381
Ion Ratio Lower Upper
59 100
57 10.6 8.3 12.5



#12
1,1-Dichloroethene
Concen: 44.133 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX008683.D
Acq: 05 Apr 2019 15:17

Tgt Ion: 96 Resp: 102435
Ion Ratio Lower Upper
96 100
61 177.9 140.9 211.3
98 63.1 52.1 78.1





#13

Acrolein

Concen: 187.184 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

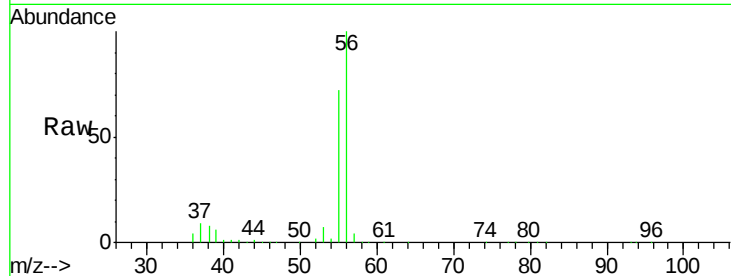
VSTDCCC050

Tot Ion: 56 Resp: 63630

Ion Ratio Lower Upper

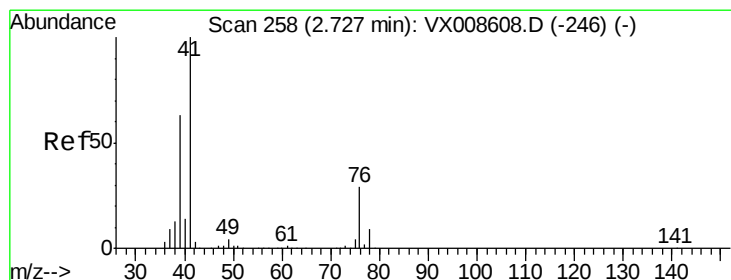
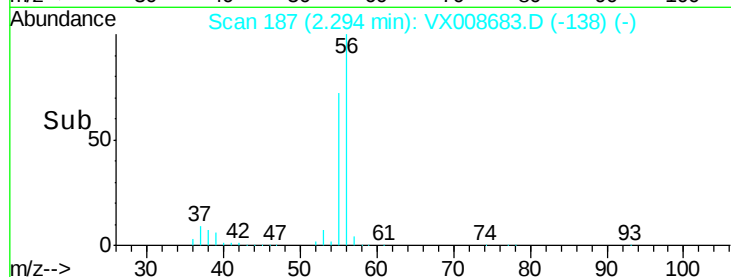
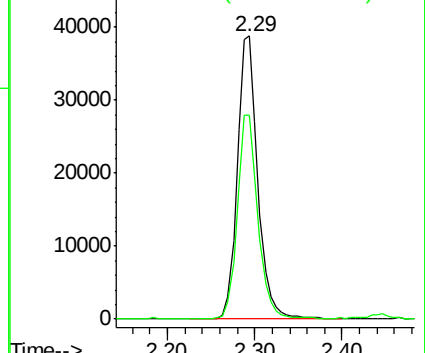
56 100

55 71.9 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 45.327 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

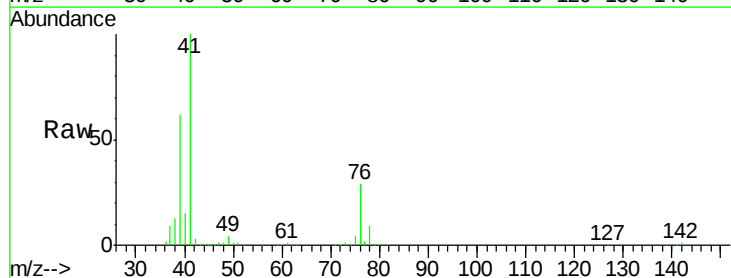
Tgt Ion: 41 Resp: 240840

Ion Ratio Lower Upper

41 100

39 59.2 48.0 72.0

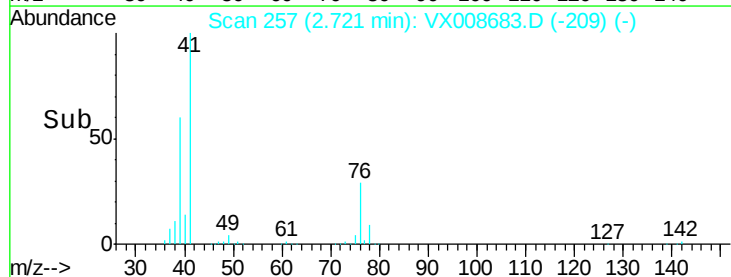
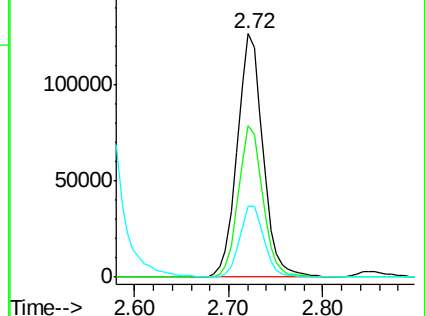
76 27.8 22.0 33.0

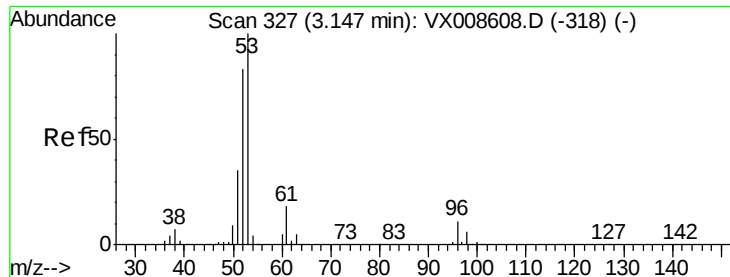


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 214.592 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

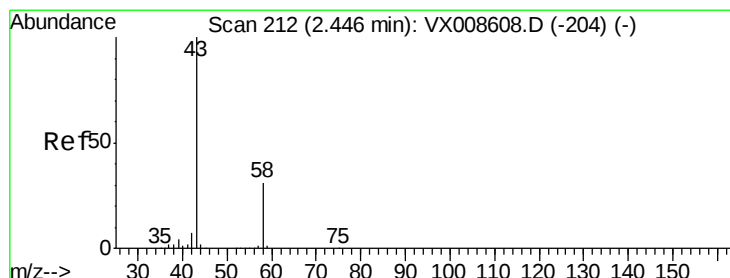
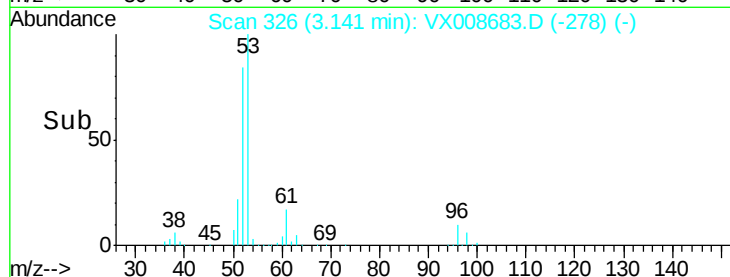
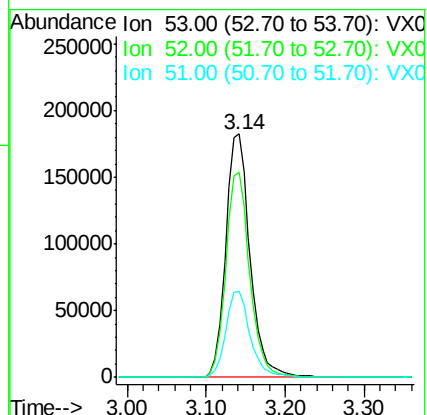
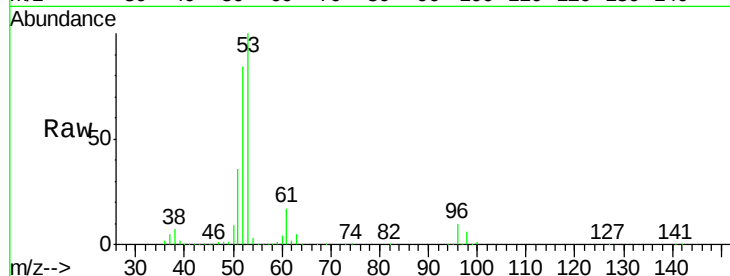
Tot Ion: 53 Resp: 389730

Ion Ratio Lower Upper

53 100

52 83.1 66.5 99.7

51 35.6 28.6 42.8



#16

Acetone

Concen: 235.701 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008683.D

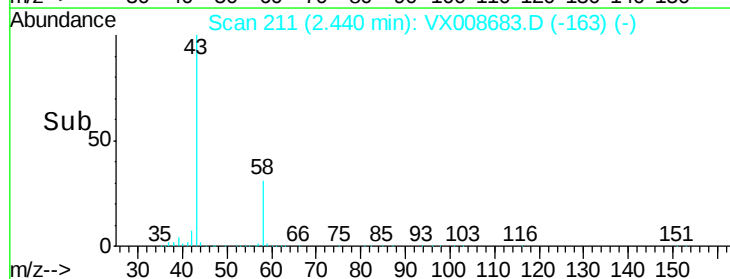
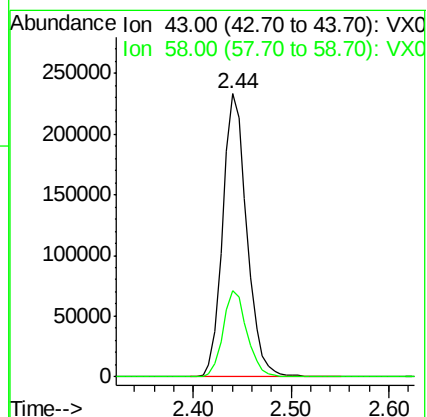
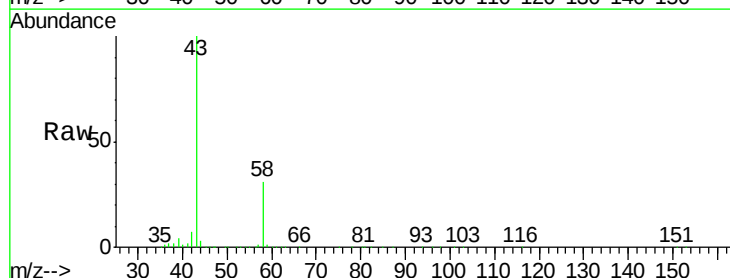
Acq: 05 Apr 2019 15:17

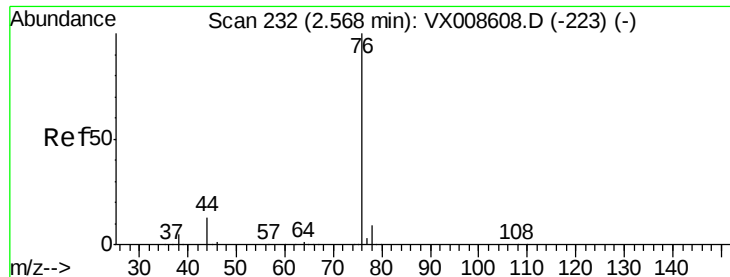
Tgt Ion: 43 Resp: 397538

Ion Ratio Lower Upper

43 100

58 30.5 24.8 37.2

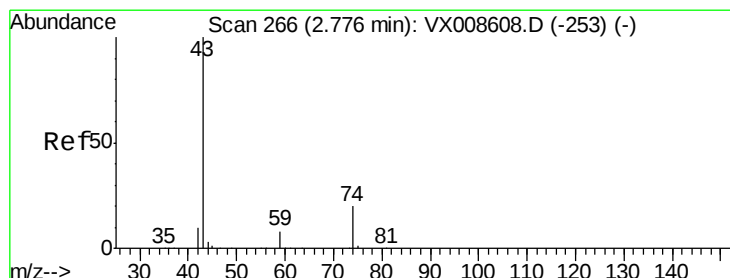
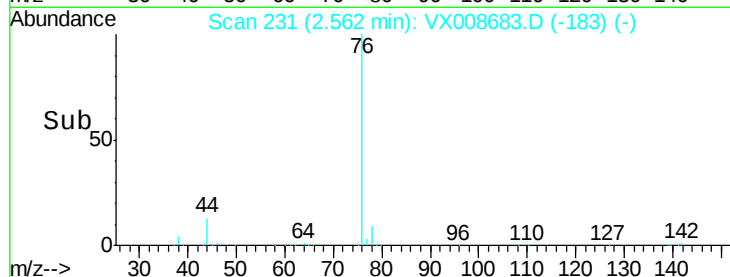
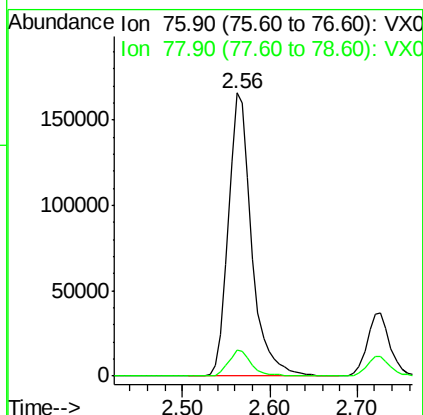
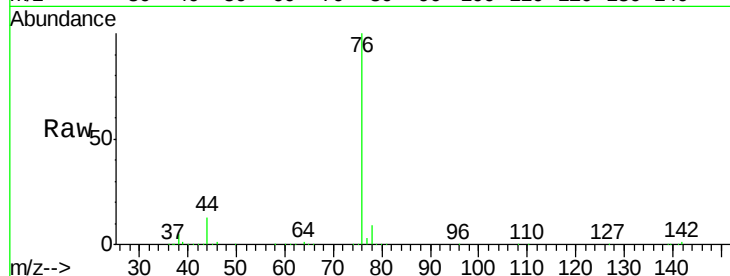




#17
Carbon Disulfide
Concen: 45.873 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX008683.D
Acq: 05 Apr 2019 15:17

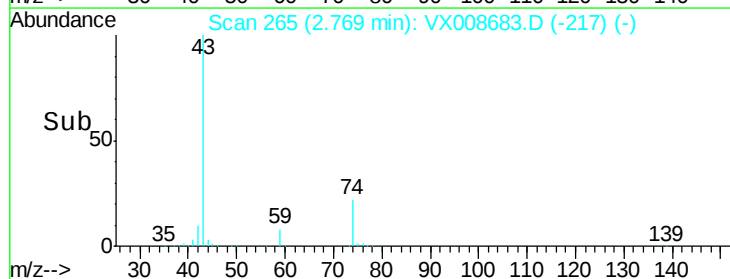
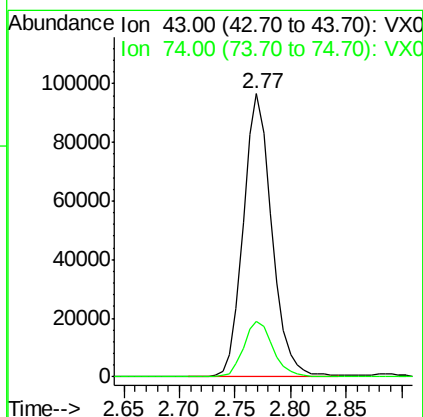
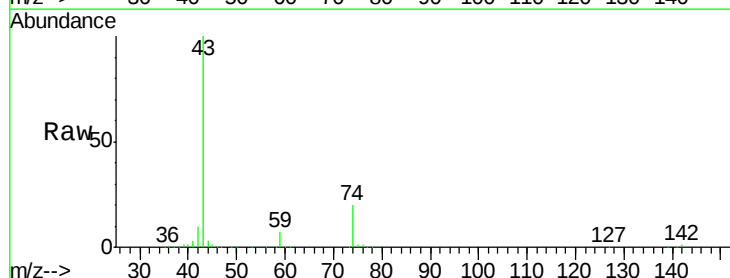
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

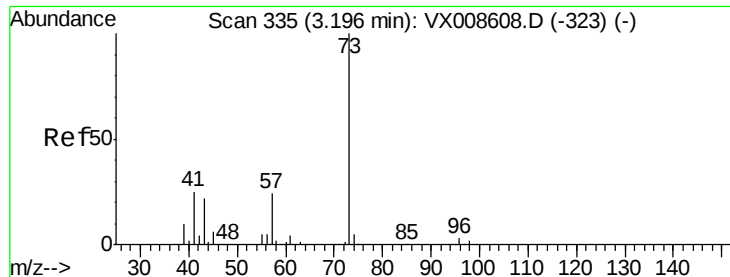
Tot Ion: 76 Resp: 307871
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7



#18
Methyl Acetate
Concen: 41.831 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX008683.D
Acq: 05 Apr 2019 15:17

Tgt Ion: 43 Resp: 171111
Ion Ratio Lower Upper
43 100
74 20.7 16.5 24.7



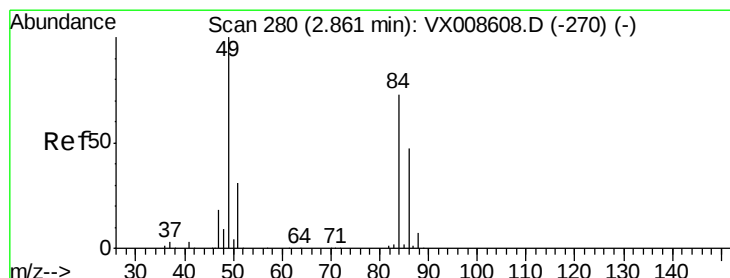
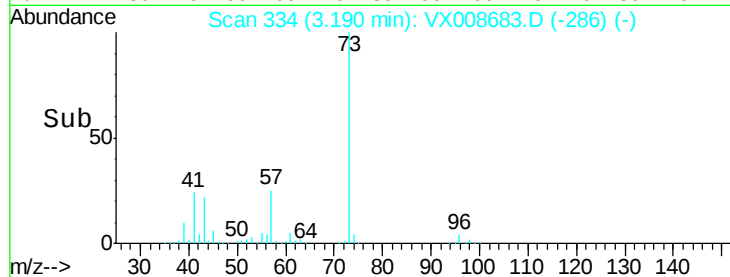
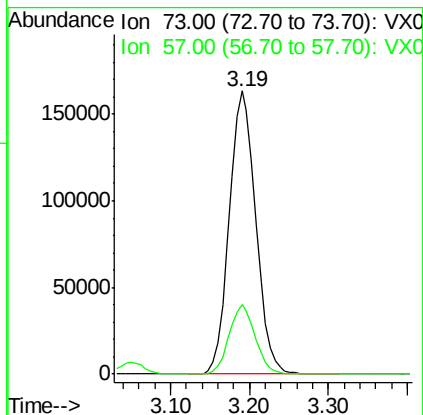
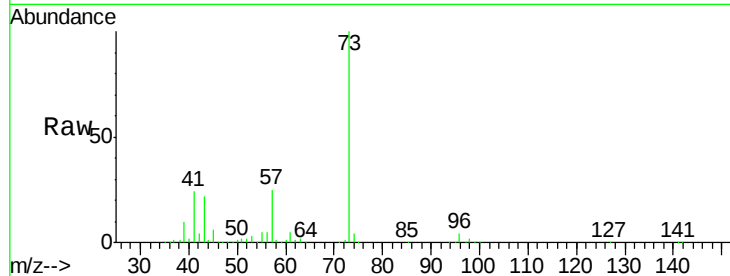


#19

Methyl tert-butyl Ether
 Concen: 46.058 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VX008683.D
 Acq: 05 Apr 2019 15:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

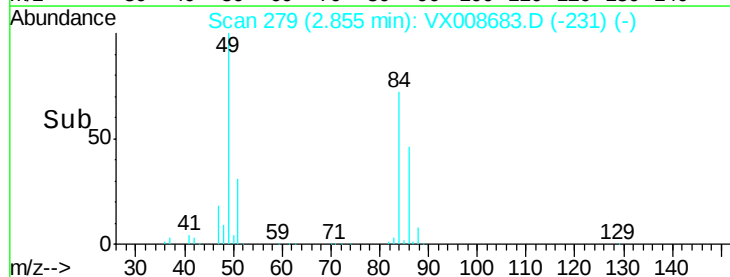
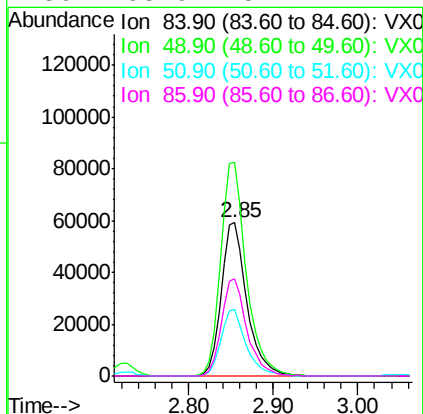
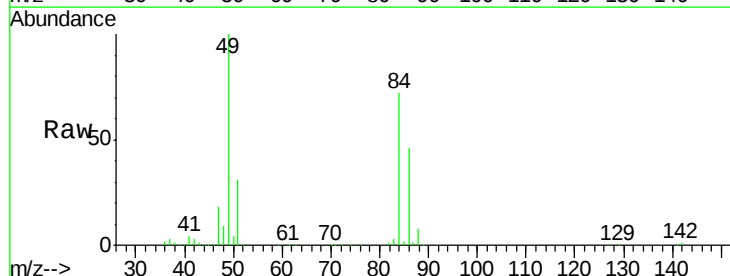
Tot Ion: 73 Resp: 381771
 Ion Ratio Lower Upper
 73 100
 57 24.7 19.5 29.3

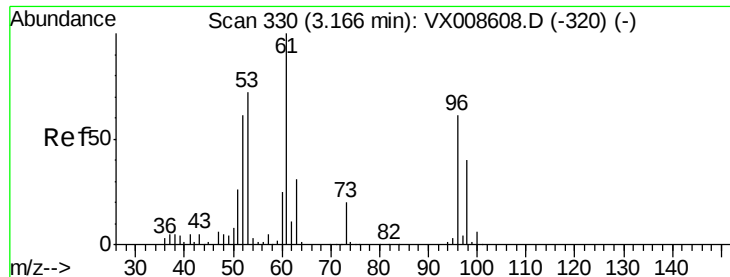


#20

Methylene Chloride
 Concen: 43.597 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX008683.D
 Acq: 05 Apr 2019 15:17

Tgt Ion: 84 Resp: 123083
 Ion Ratio Lower Upper
 84 100
 49 139.2 109.7 164.5
 51 43.1 33.6 50.4
 86 63.9 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 44.151 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

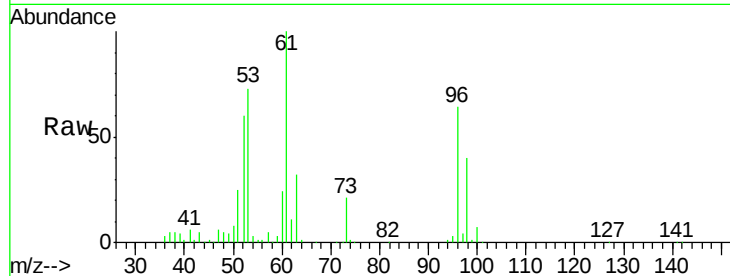
Tot Ion: 96 Resp: 110846

Ion Ratio Lower Upper

96 100

61 155.3 132.1 198.1

98 62.4 52.2 78.2

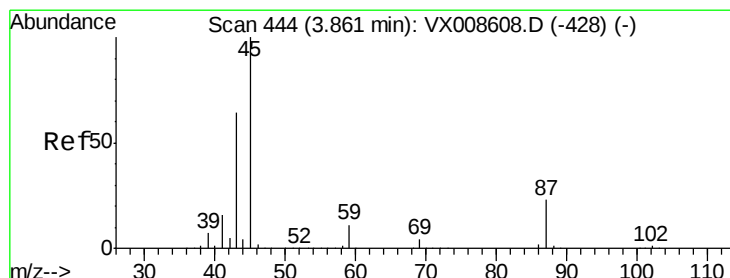
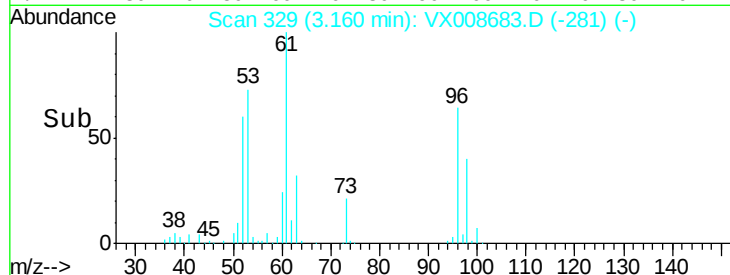
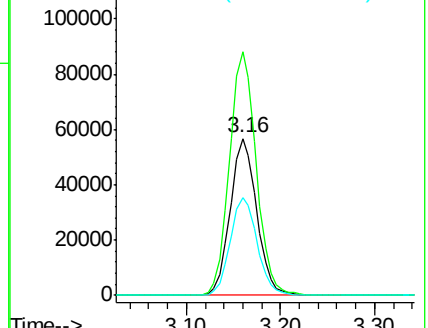


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 45.049 ug/l

RT: 3.85 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

Tgt Ion: 45 Resp: 461351

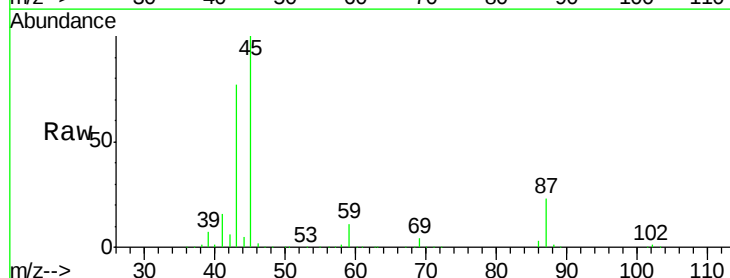
Ion Ratio Lower Upper

45 100

43 76.6 51.3 76.9

87 23.4 18.1 27.1

59 11.1 8.6 13.0



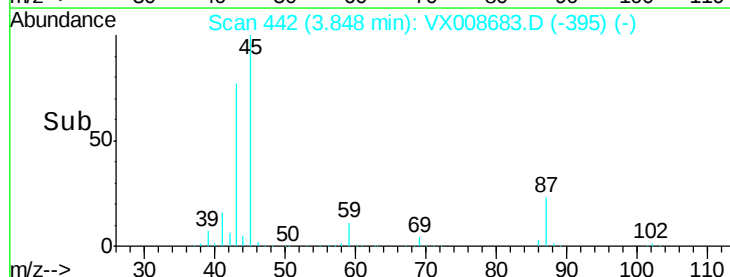
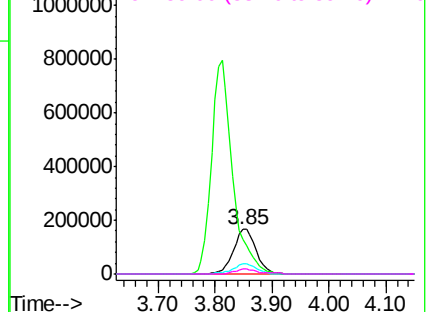
Abundance

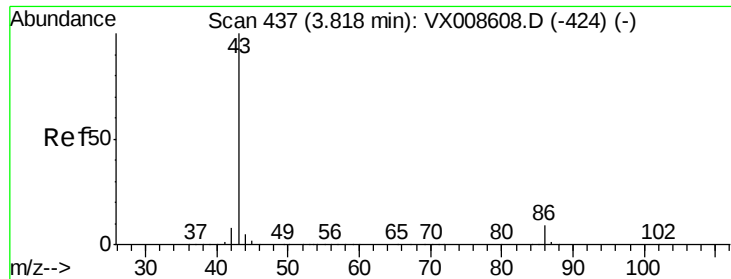
Ion 45.00 (44.70 to 45.70): VX0

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: 230.810 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

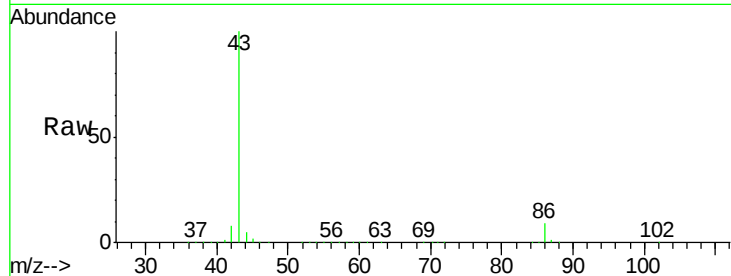
VSTDCCC050

Tot Ion: 43 Resp: 2056320

Ion Ratio Lower Upper

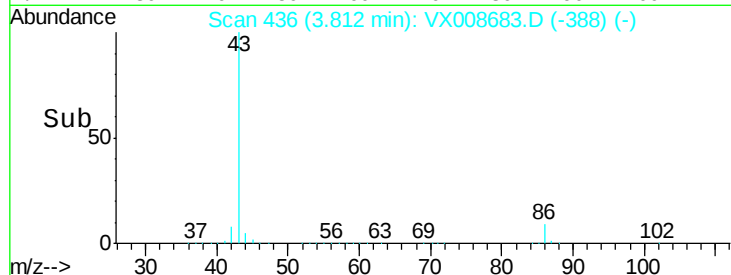
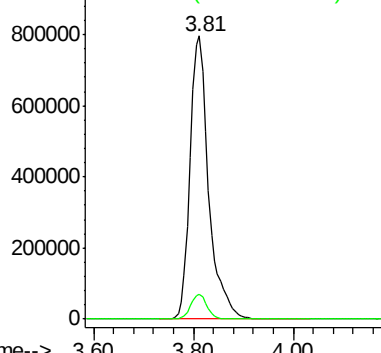
43 100

86 8.6 7.0 10.6

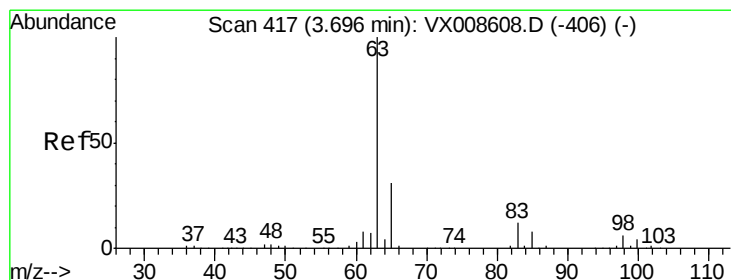


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 45.118 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

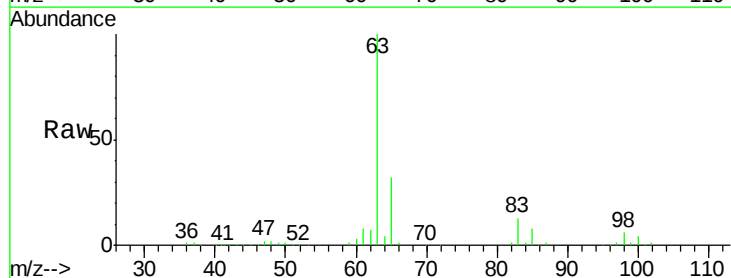
Tgt Ion: 63 Resp: 228771

Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.4

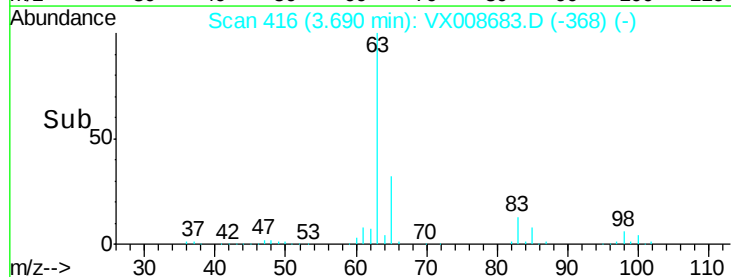
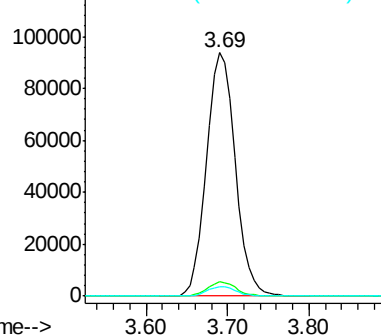
100 3.8 1.8 5.5



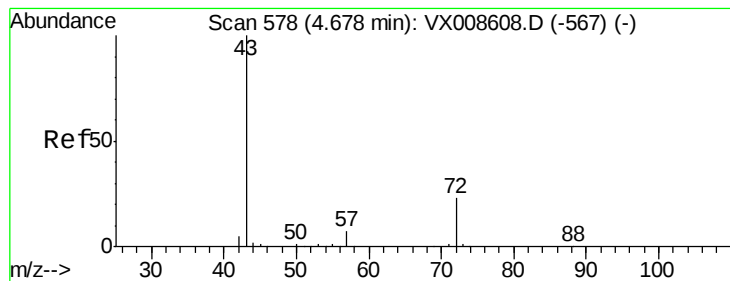
Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->



#25

2-Butanone

Concen: 224.895 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

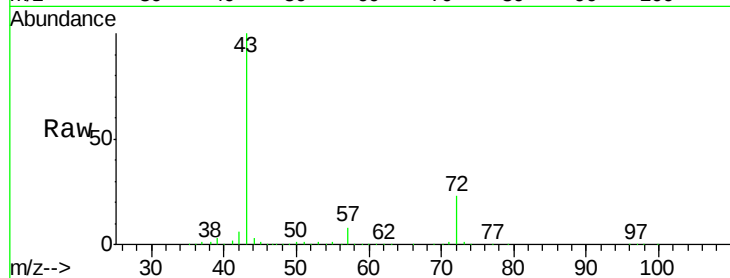
VSTDCCC050

Tot Ion: 43 Resp: 599512

Ion Ratio Lower Upper

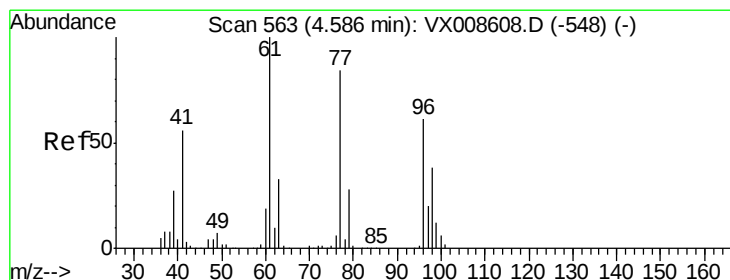
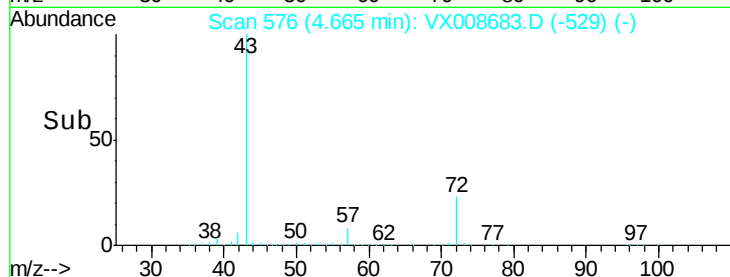
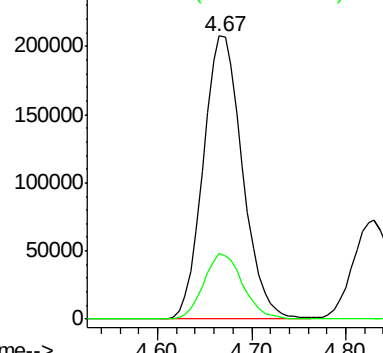
43 100

72 23.3 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 47.921 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008683.D

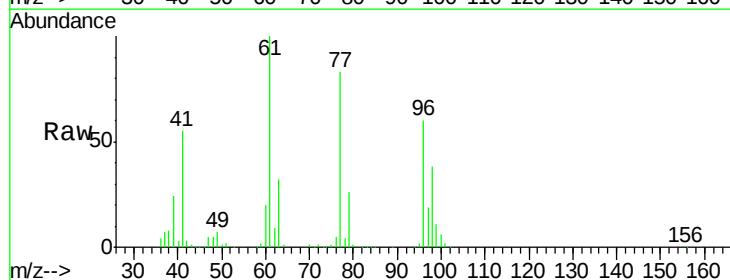
Acq: 05 Apr 2019 15:17

Tgt Ion: 77 Resp: 171138

Ion Ratio Lower Upper

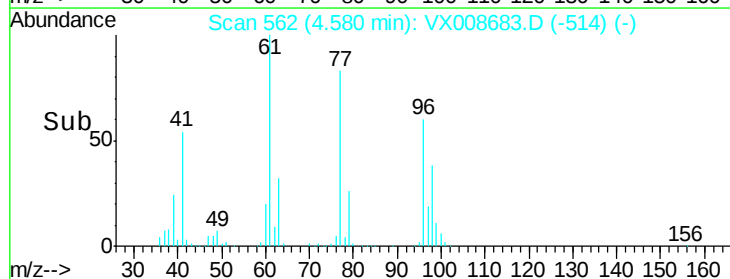
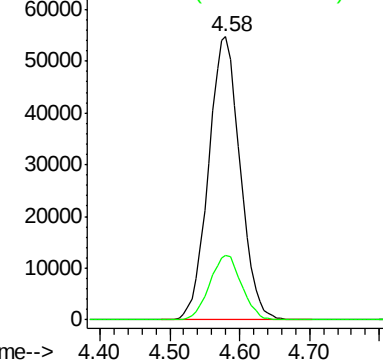
77 100

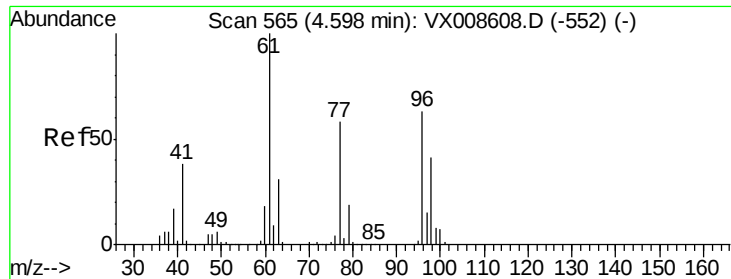
97 23.1 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



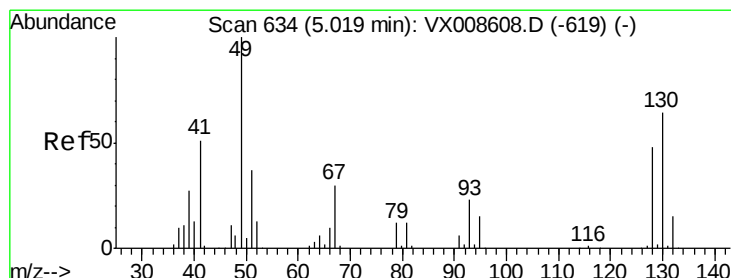
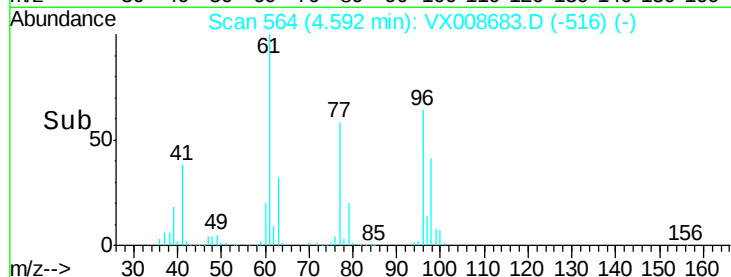
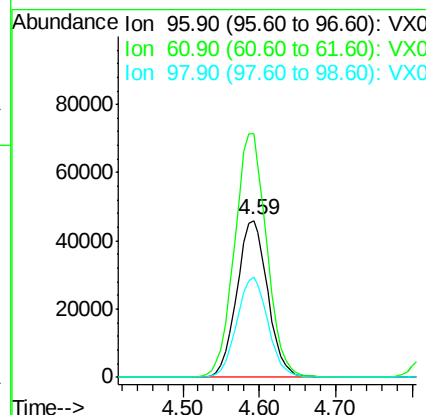
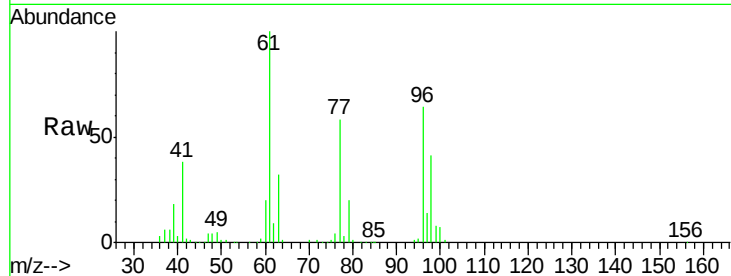


#27

cis-1,2-Dichloroethene
Concen: 44.587 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX008683.D
Acq: 05 Apr 2019 15:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

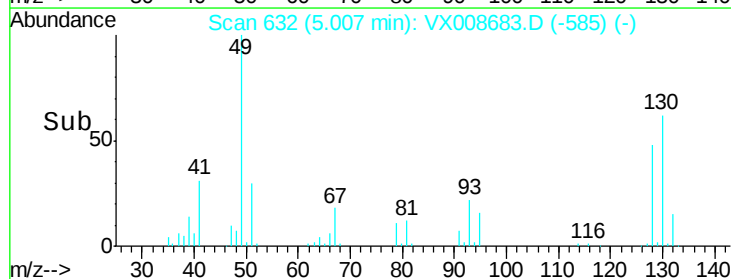
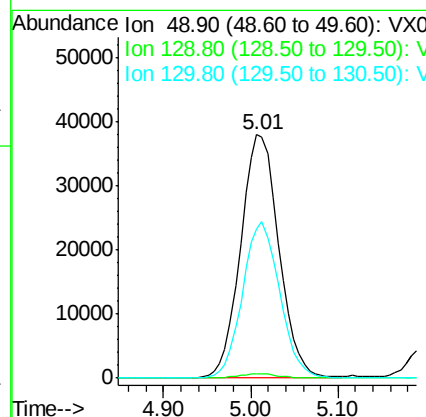
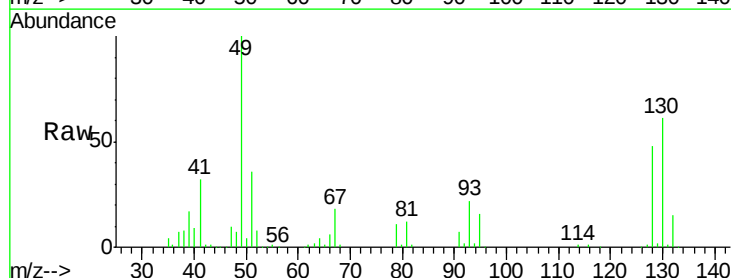
Tot Ion: 96 Resp: 128700
Ion Ratio Lower Upper
96 100
61 161.7 0.0 327.6
98 64.3 0.0 128.6

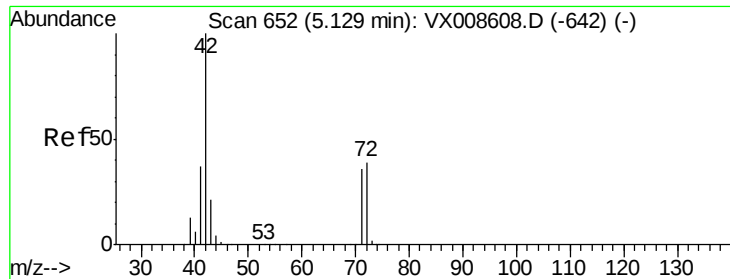


#28

Bromochloromethane
Concen: 54.992 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX008683.D
Acq: 05 Apr 2019 15:17

Tgt Ion: 49 Resp: 115836
Ion Ratio Lower Upper
49 100
129 1.8 0.0 3.6
130 62.4 49.3 73.9

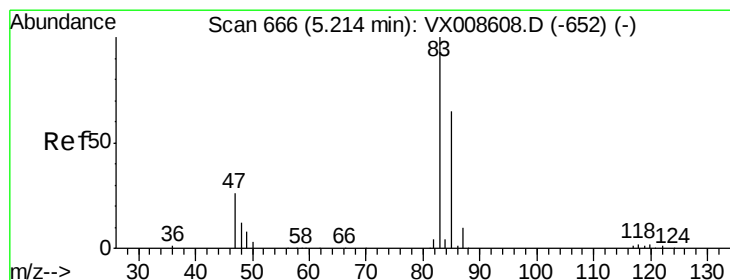
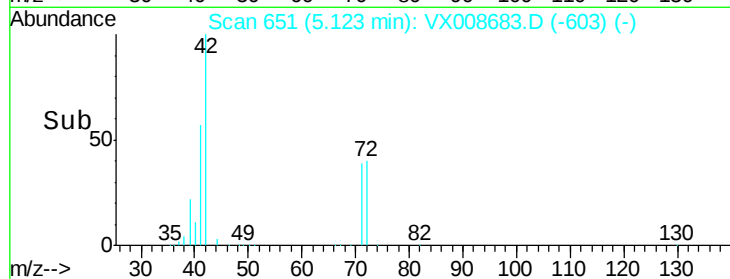
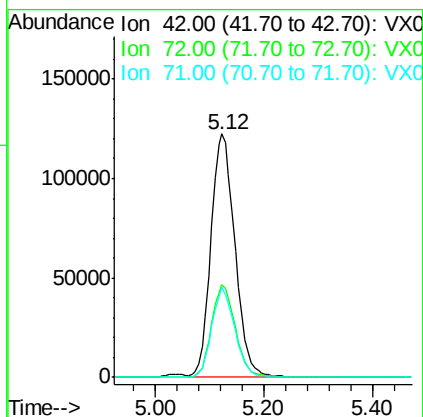
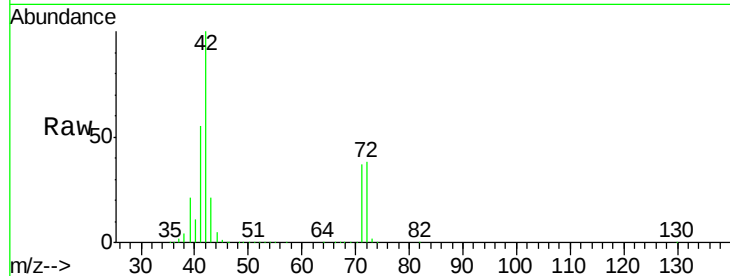




#29
Tetrahydrofuran
Concen: 210.933 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX008683.D
Acq: 05 Apr 2019 15:17

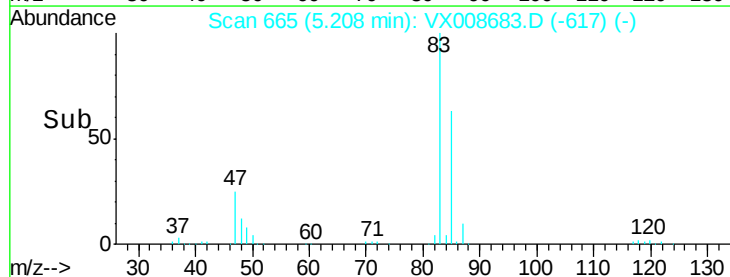
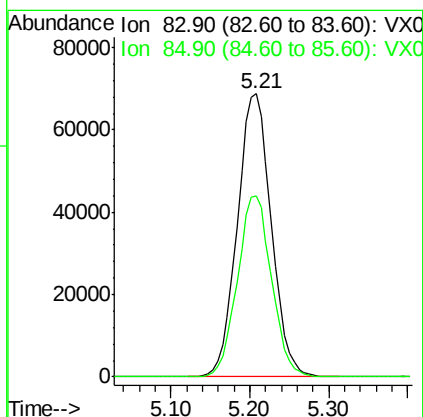
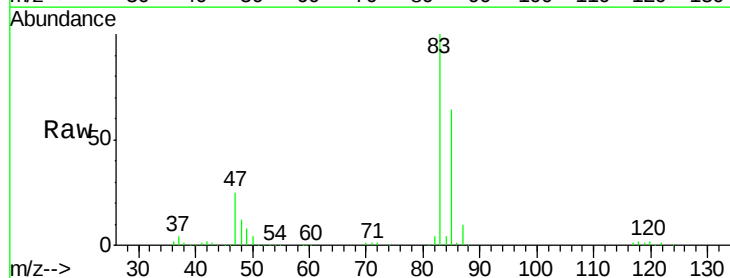
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

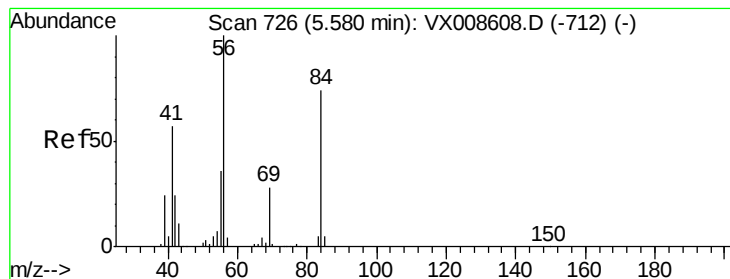
Tot Ion: 42 Resp: 373207
Ion Ratio Lower Upper
42 100
72 38.0 30.5 45.7
71 35.6 28.6 43.0



#30
Chloroform
Concen: 45.381 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX008683.D
Acq: 05 Apr 2019 15:17

Tgt Ion: 83 Resp: 205523
Ion Ratio Lower Upper
83 100
85 64.0 52.1 78.1





#31

Cyclohexane

Concen: 45.383 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

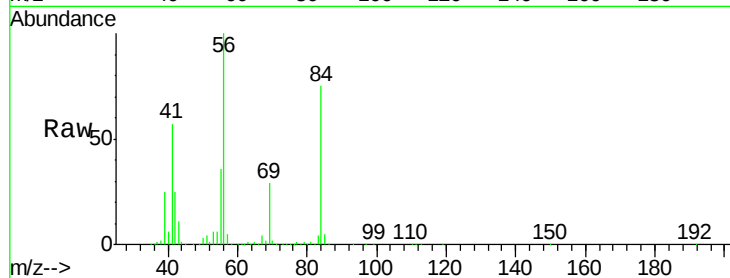
Tot Ion: 56 Resp: 229612

Ion Ratio Lower Upper

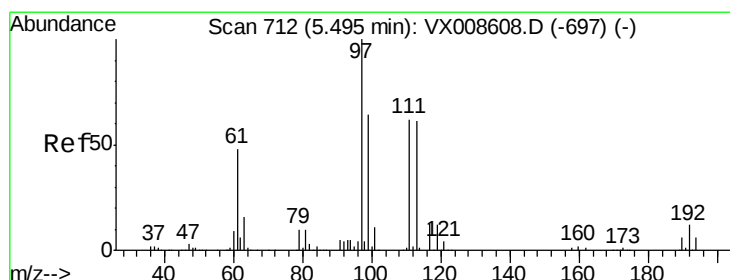
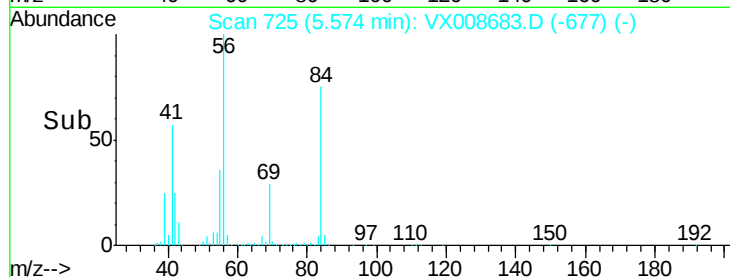
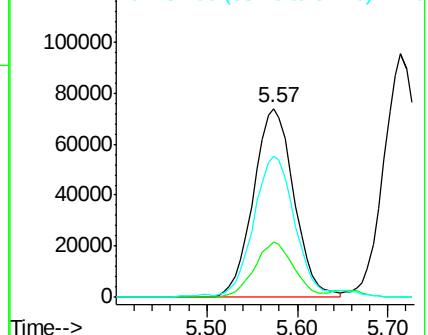
56 100

69 29.3 22.6 33.8

84 73.6 59.3 88.9



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 46.613 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

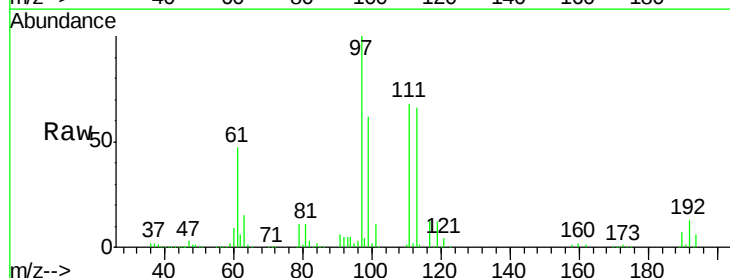
Tgt Ion: 97 Resp: 170592

Ion Ratio Lower Upper

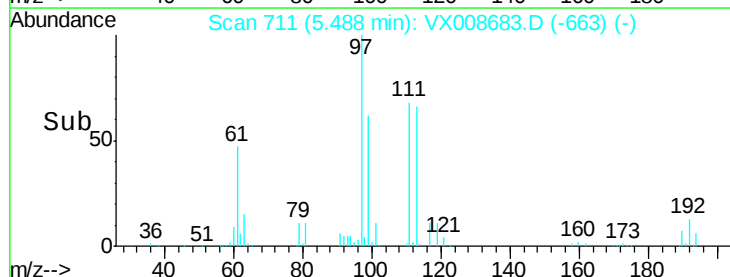
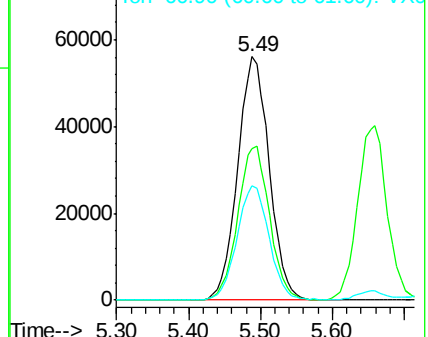
97 100

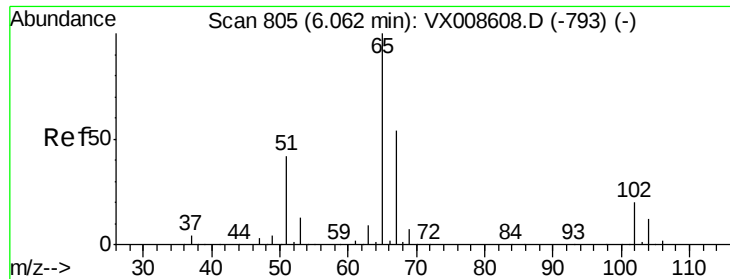
99 63.6 51.3 76.9

61 48.0 38.9 58.3



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

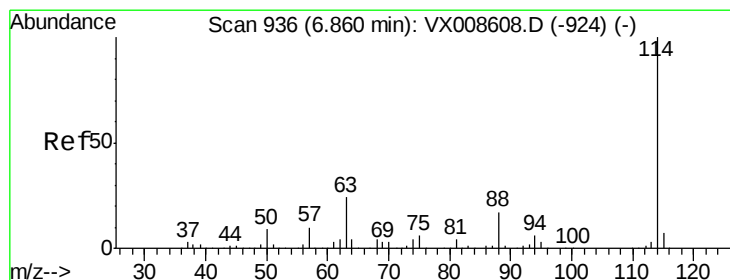
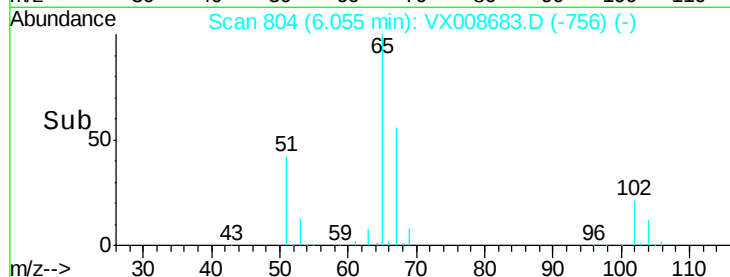
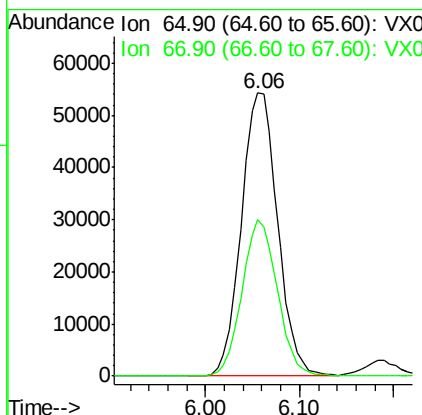
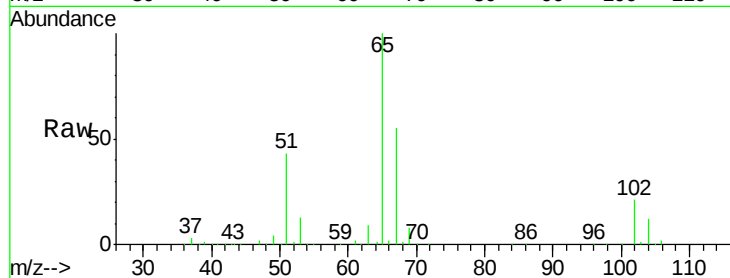




#33
 1,2-Dichloroethane-d4
 Concen: 50.224 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX008683.D
 Acq: 05 Apr 2019 15:17

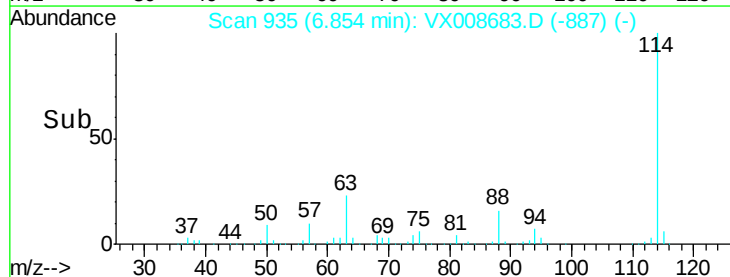
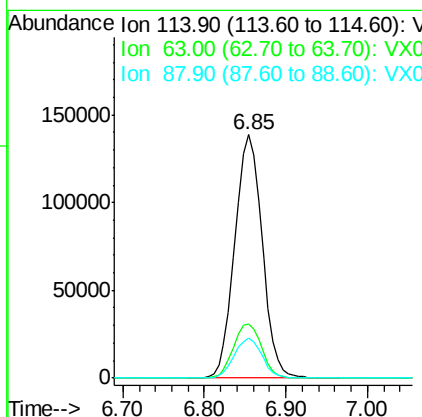
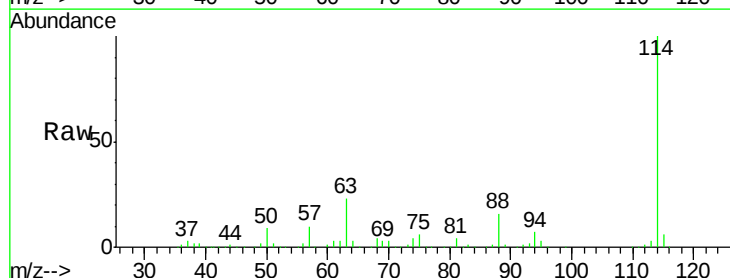
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

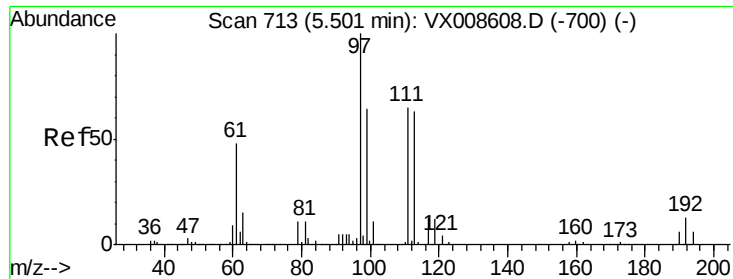
Tot Ion: 65 Resp: 147072
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX008683.D
 Acq: 05 Apr 2019 15:17

Tgt Ion: 114 Resp: 322768
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 47.2
 88 16.4 0.0 34.0





#35

Dibromofluoromethane

Concen: 53.048 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

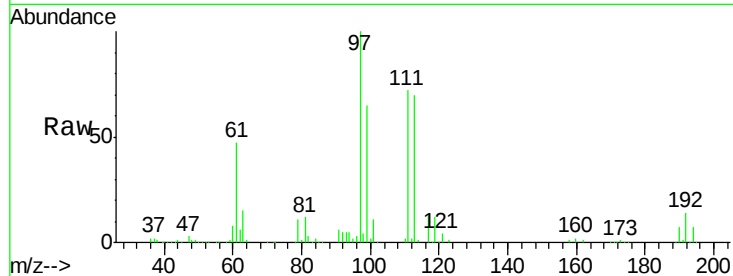
Tot Ion:113 Resp: 109472

Ion Ratio Lower Upper

113 100

111 103.1 83.4 125.2

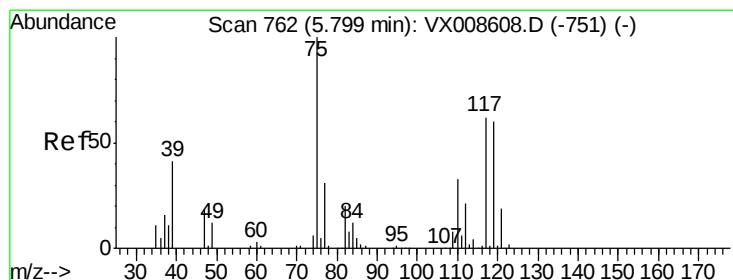
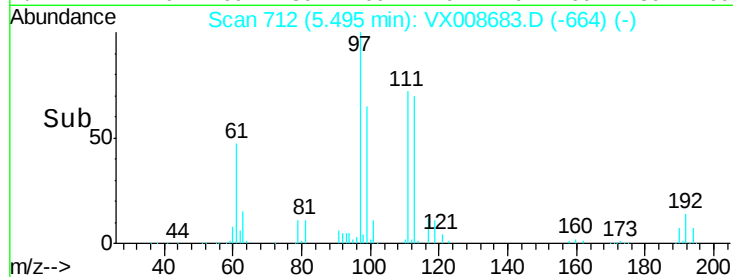
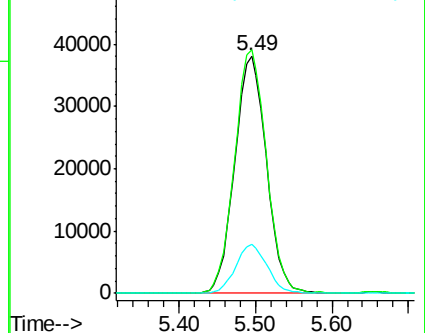
192 20.4 16.1 24.1



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: 46.831 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

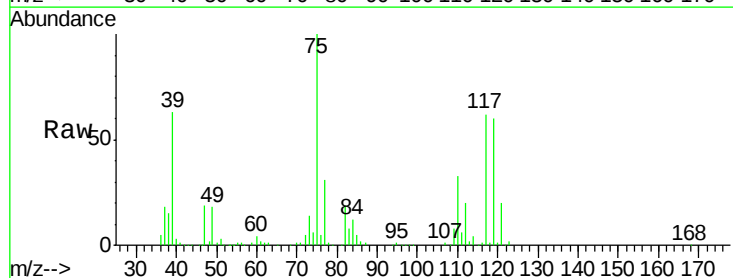
Tgt Ion: 75 Resp: 165228

Ion Ratio Lower Upper

75 100

110 32.8 16.4 49.2

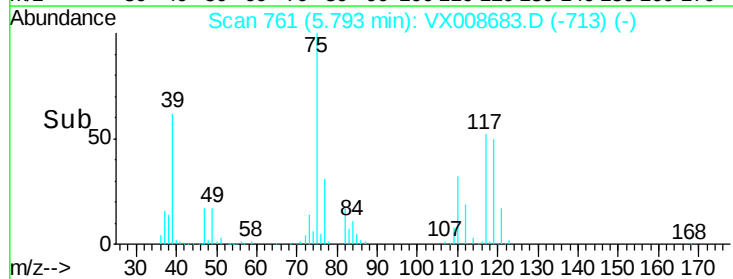
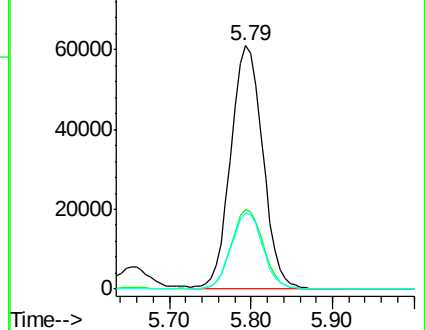
77 31.1 24.7 37.1

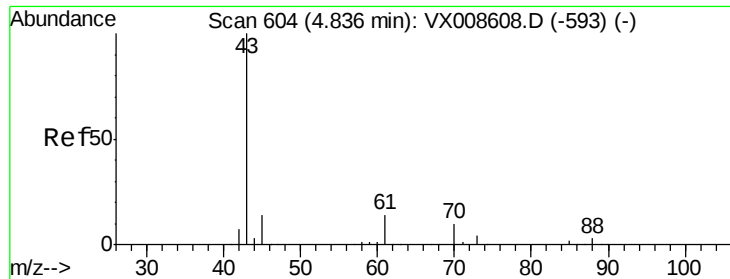


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 45.549 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

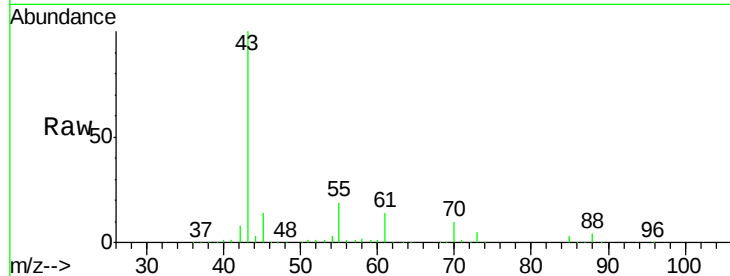
Tot Ion: 43 Resp: 214507

Ion Ratio Lower Upper

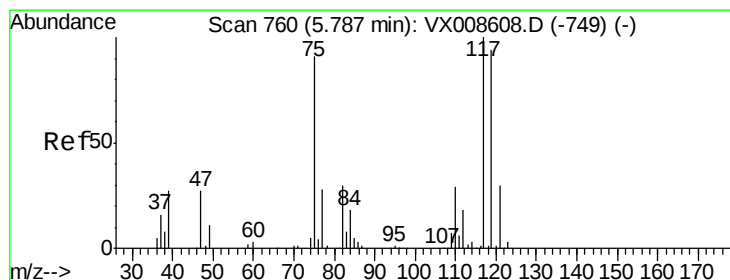
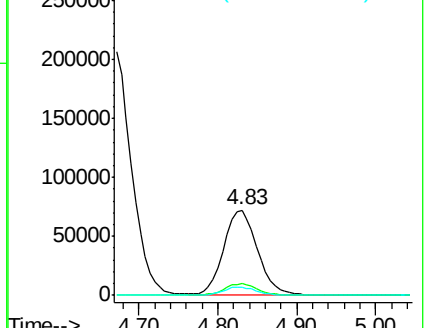
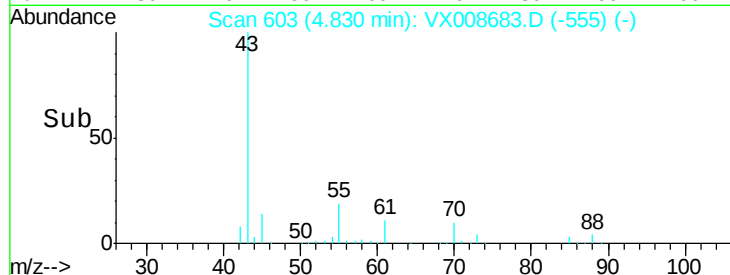
43 100

61 13.2 10.3 15.5

70 9.7 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VX008683.D (-555) (-)



#38

Carbon Tetrachloride

Concen: 48.616 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

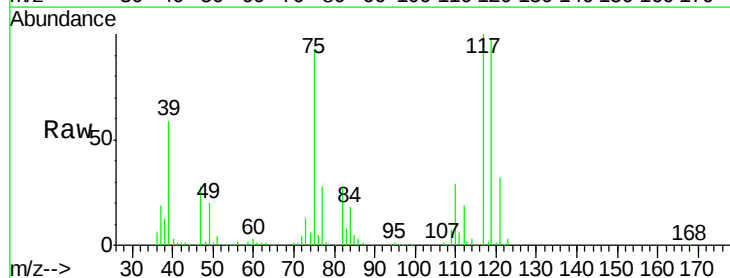
Tgt Ion: 117 Resp: 141965

Ion Ratio Lower Upper

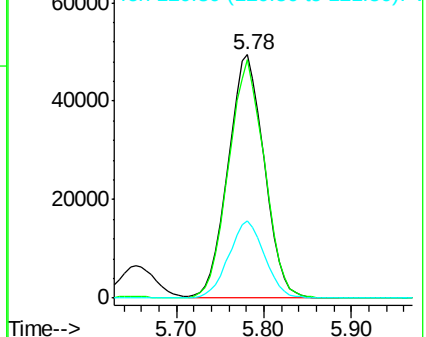
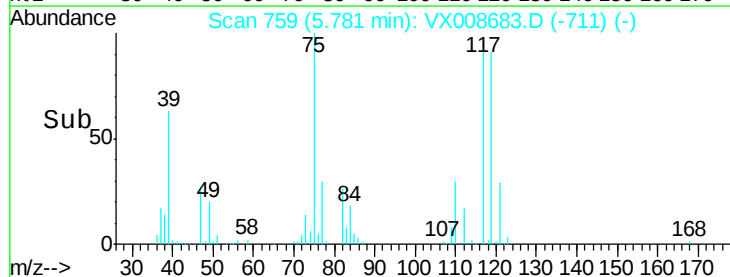
117 100

119 98.0 75.0 112.6

121 31.5 24.3 36.5



Abundance Ion 116.80 (116.50 to 117.50): VX008683.D (-711) (-)

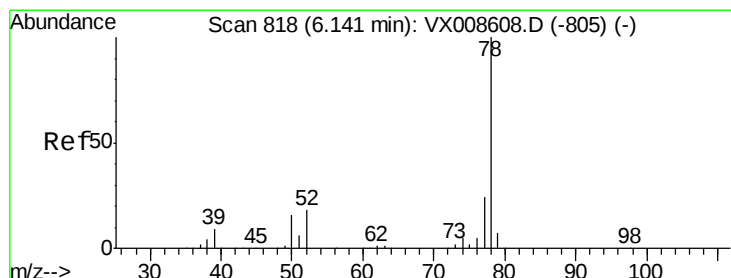
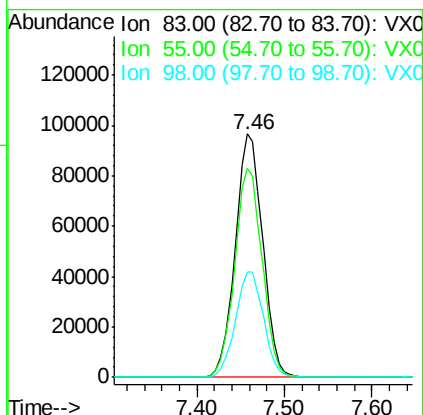
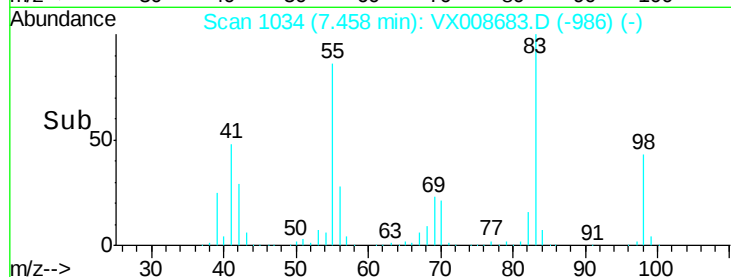
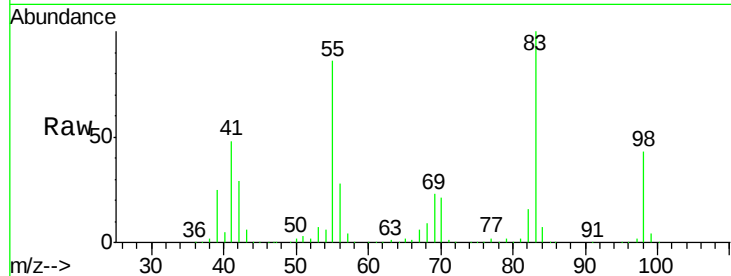




#39
Methvlcvclohexane
Concen: 48.335 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX008683.D
Acq: 05 Apr 2019 15:17

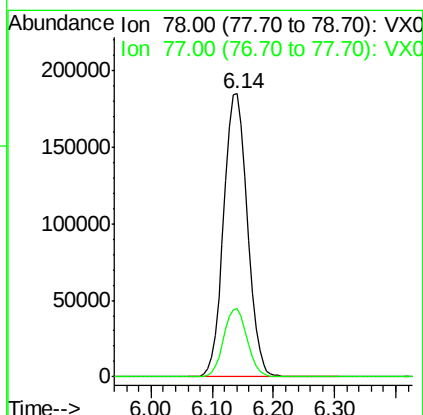
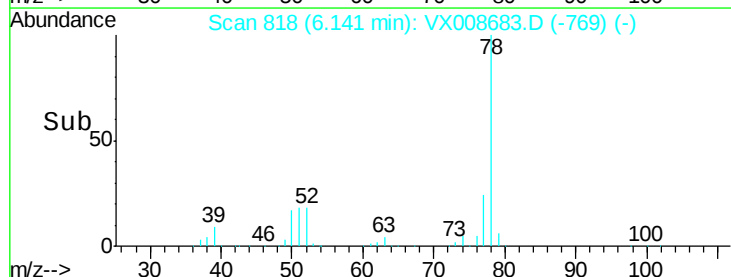
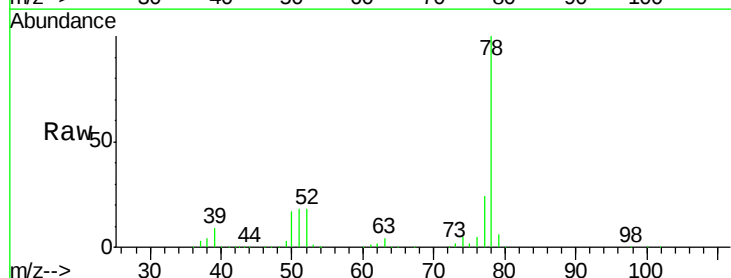
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 210666
Ion Ratio Lower Upper
83 100
55 86.1 69.0 103.6
98 43.4 34.4 51.6



#40
Benzene
Concen: 47.078 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008683.D
Acq: 05 Apr 2019 15:17

Tgt Ion: 78 Resp: 494828
Ion Ratio Lower Upper
78 100
77 24.4 19.1 28.7





#41

Methacrylonitrile

Concen: 45.715 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 123751

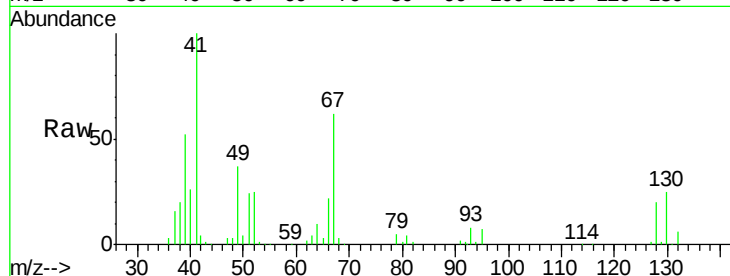
Ion Ratio Lower Upper

41 100

39 52.5 42.1 63.1

67 63.9 51.0 76.6

52 25.8 21.4 32.0

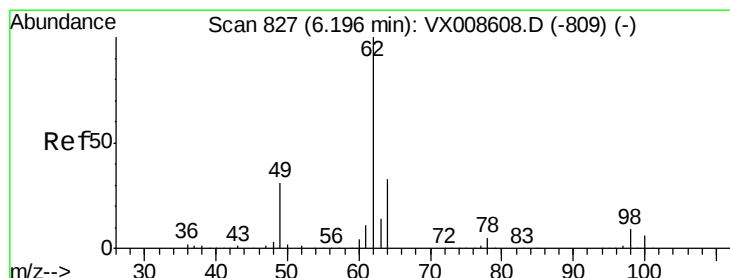
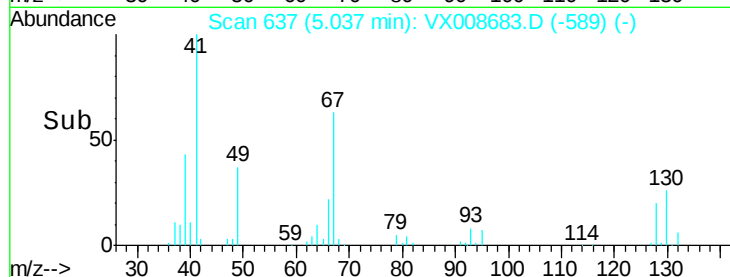
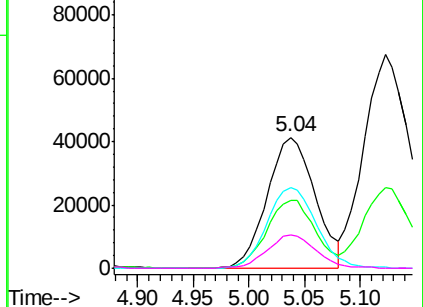


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 46.470 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.01 min

Lab File: VX008683.D

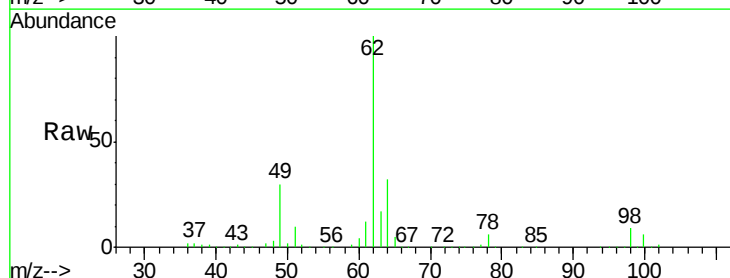
Acq: 05 Apr 2019 15:17

Tgt Ion: 62 Resp: 175105

Ion Ratio Lower Upper

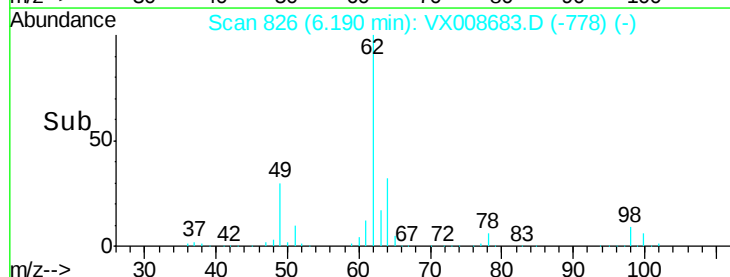
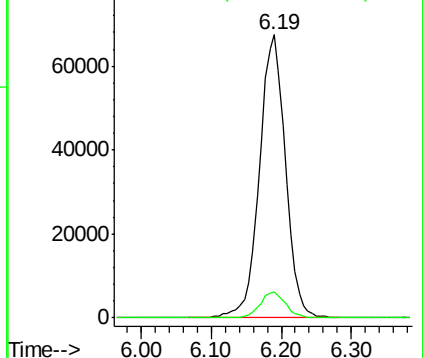
62 100

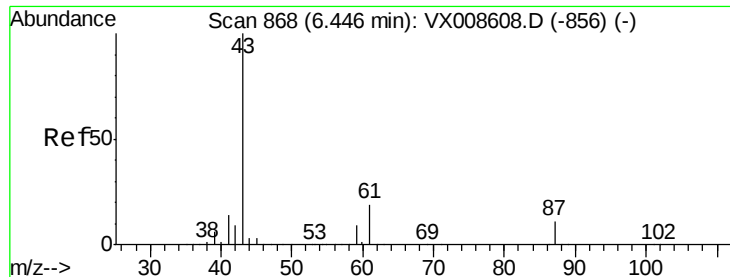
98 8.8 0.0 18.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 47.671 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

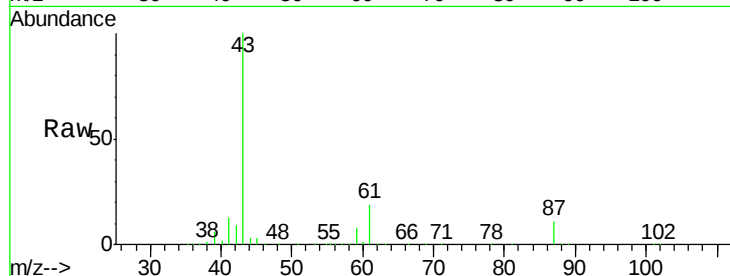
Tot Ion: 43 Resp: 351678

Ion Ratio Lower Upper

43 100

61 19.2 15.3 22.9

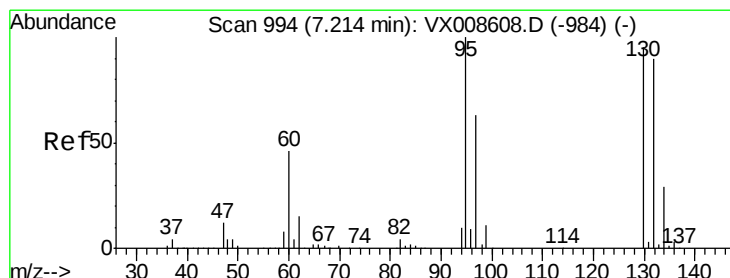
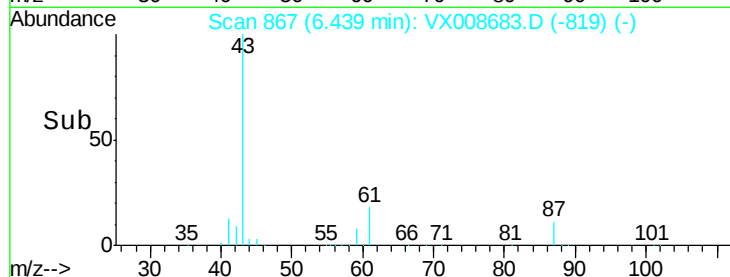
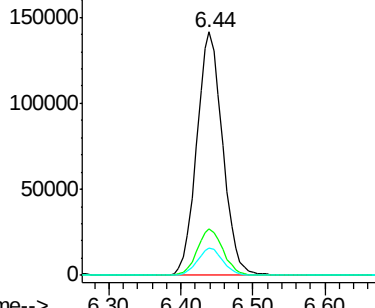
87 11.3 9.0 13.6



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: 47.745 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX008683.D

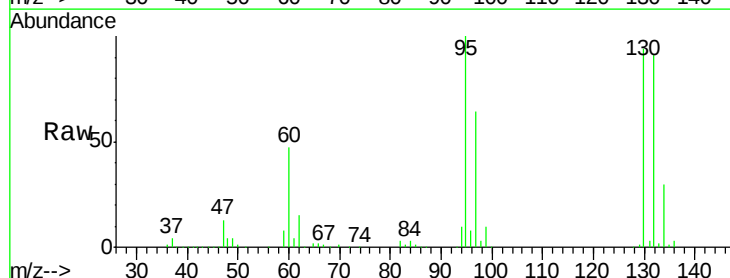
Acq: 05 Apr 2019 15:17

Tgt Ion:130 Resp: 116881

Ion Ratio Lower Upper

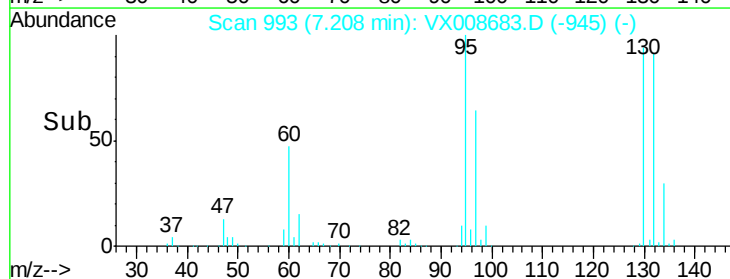
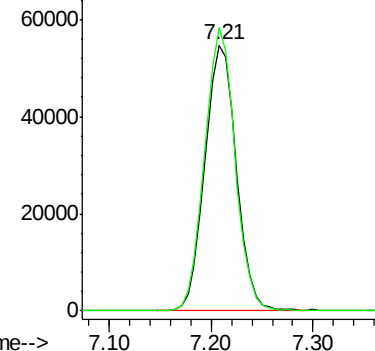
130 100

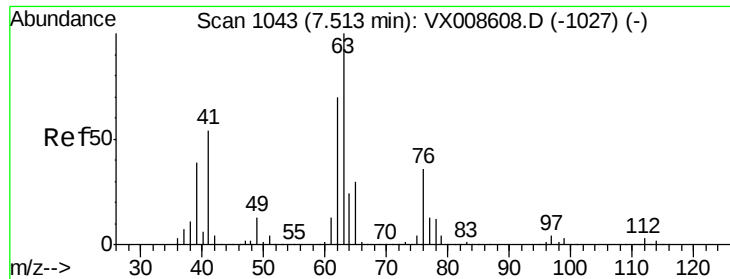
95 106.4 0.0 209.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 46.806 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

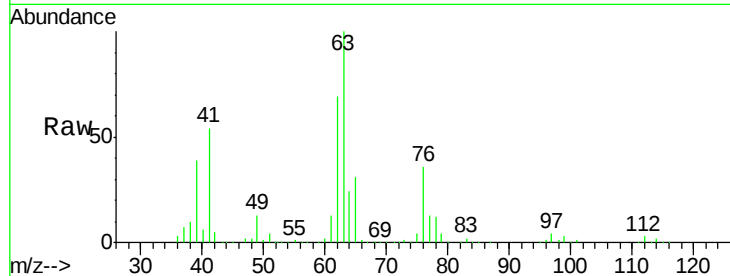
VSTDCCC050

Tot Ion: 63 Resp: 140421

Ion Ratio Lower Upper

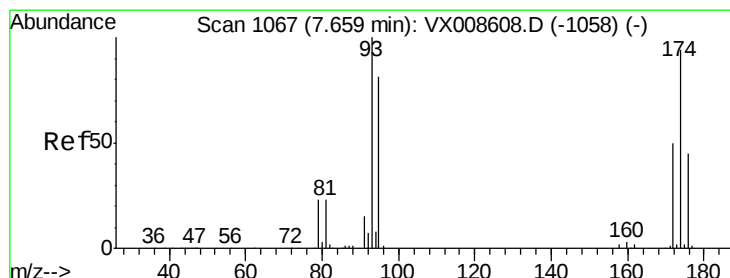
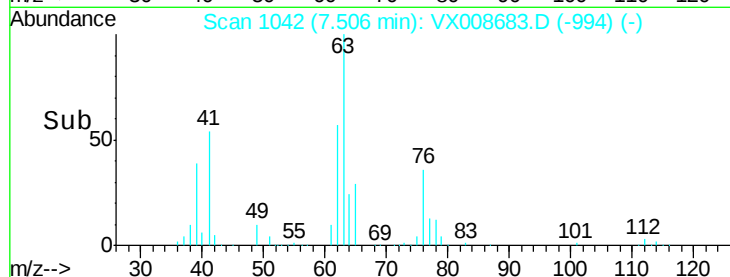
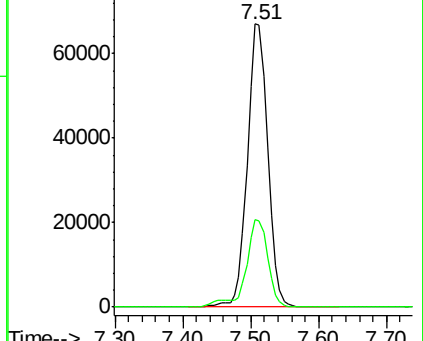
63 100

65 30.7 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 45.765 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

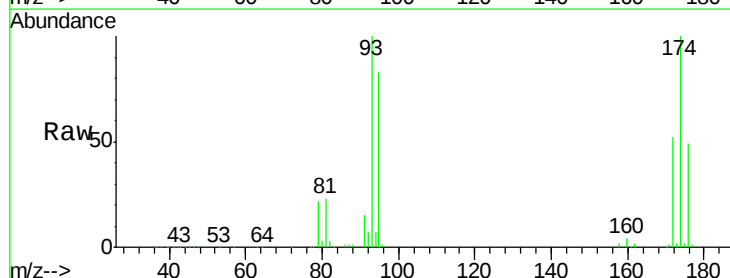
Tgt Ion: 93 Resp: 79631

Ion Ratio Lower Upper

93 100

95 83.2 66.6 99.8

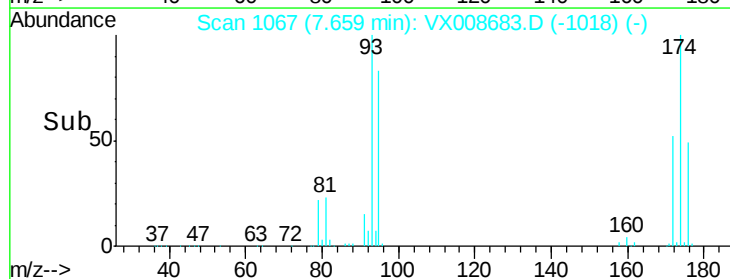
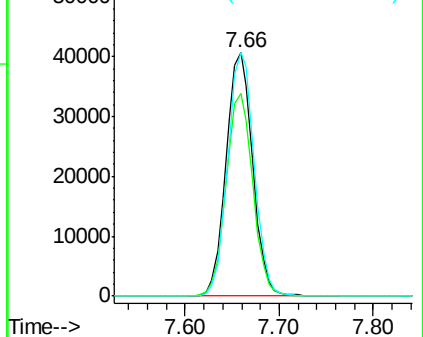
174 99.8 77.7 116.5

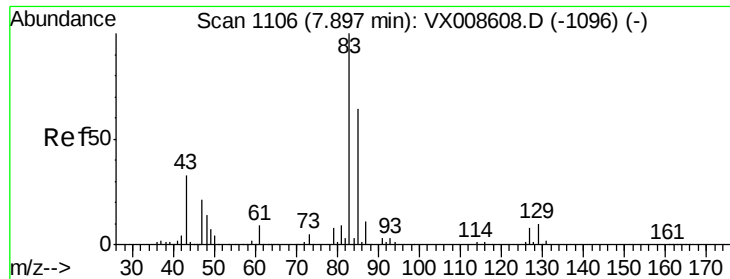


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 48.981 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

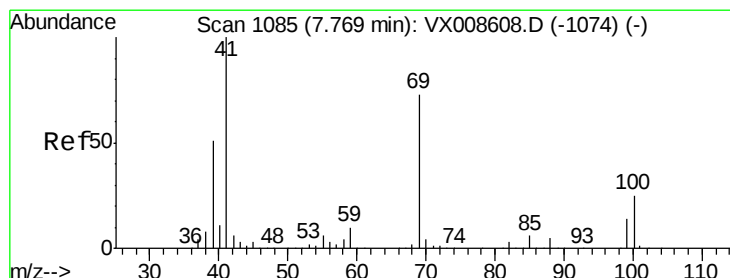
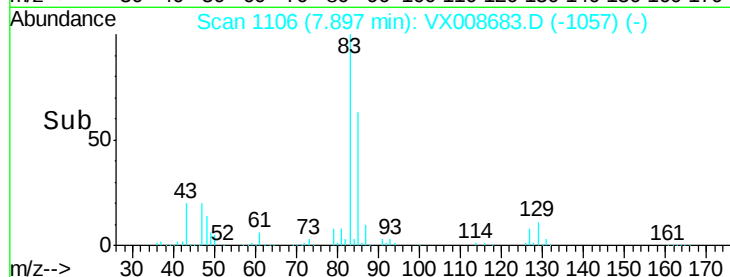
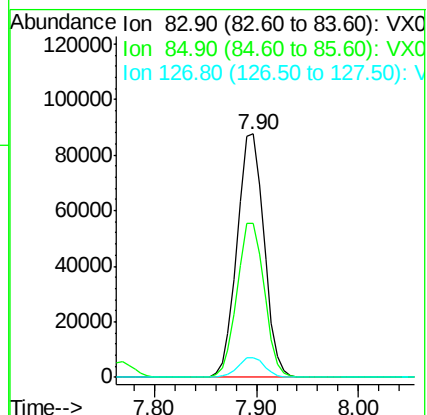
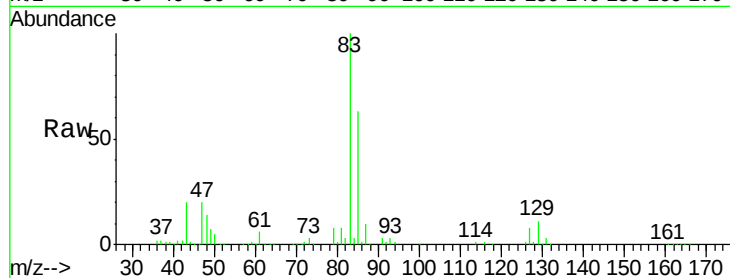
Tot Ion: 83 Resp: 160694

Ion Ratio Lower Upper

83 100

85 63.2 51.2 76.8

127 8.0 6.6 10.0



#48

Methyl methacrylate

Concen: 47.691 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

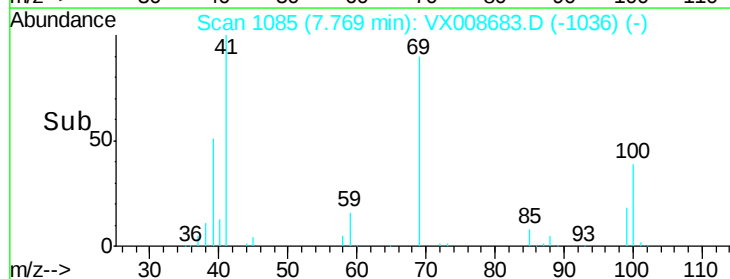
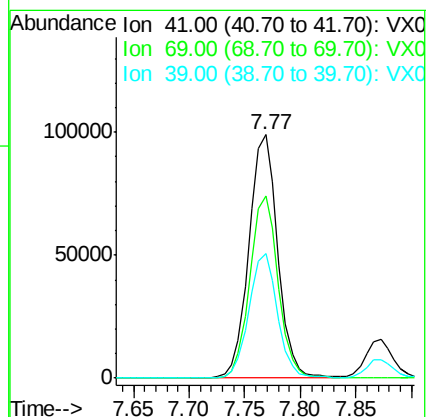
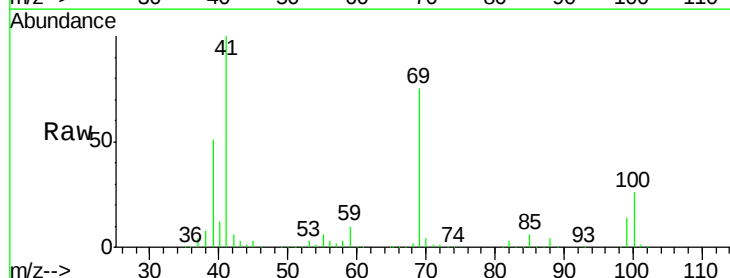
Tgt Ion: 41 Resp: 177973

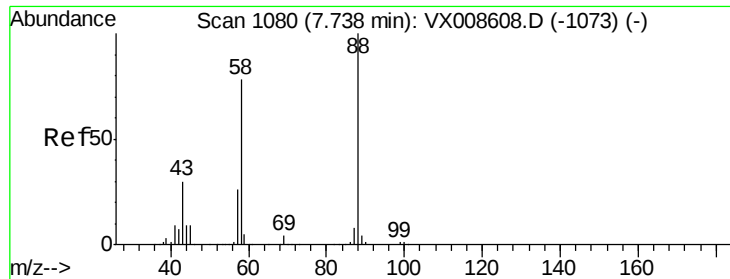
Ion Ratio Lower Upper

41 100

69 74.1 59.0 88.4

39 50.7 41.0 61.4

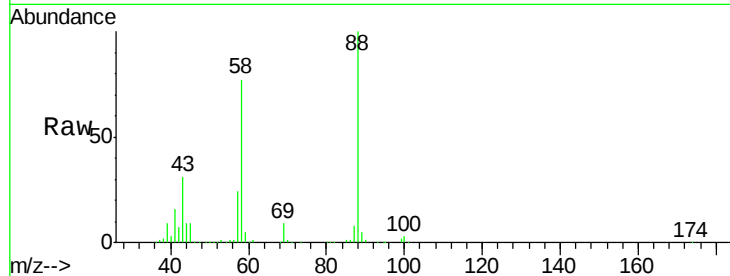




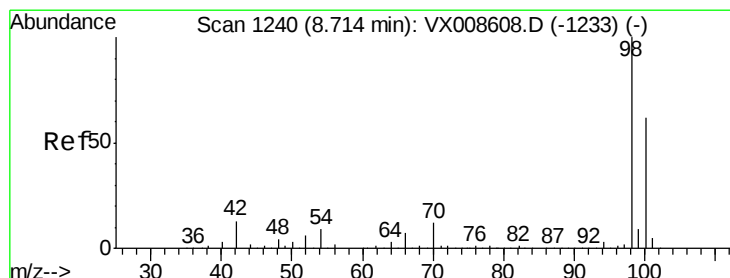
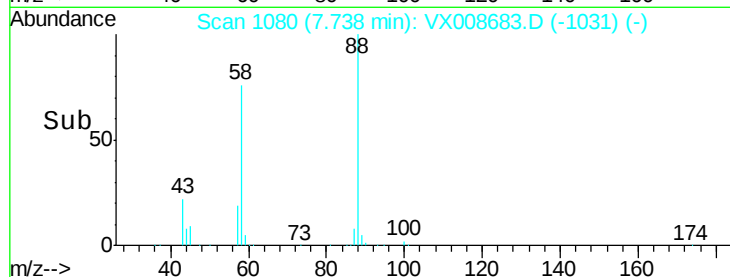
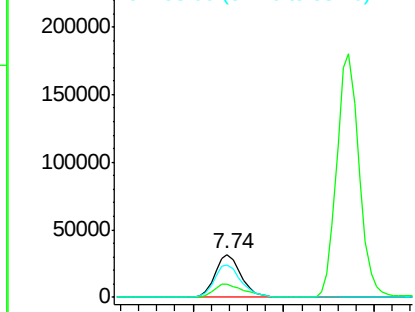
#49
 1,4-Dioxane
 Concen: 905.404 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VX008683.D
 Acq: 05 Apr 2019 15:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 88 Resp: 63294
 Ion Ratio Lower Upper
 88 100
 43 36.2 28.6 43.0
 58 79.2 62.2 93.2

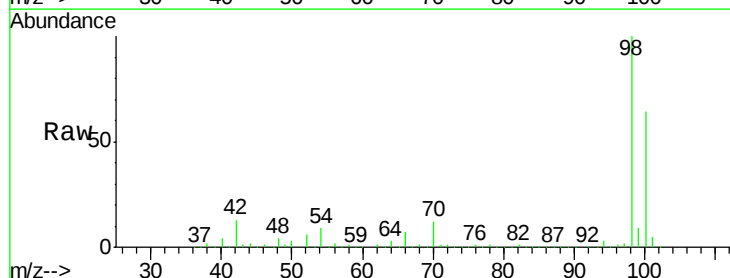


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

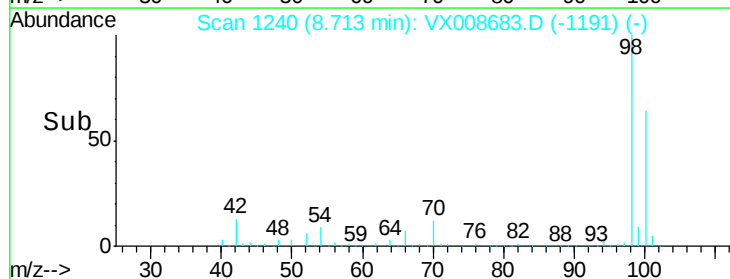
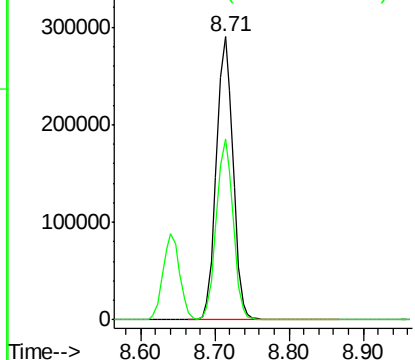


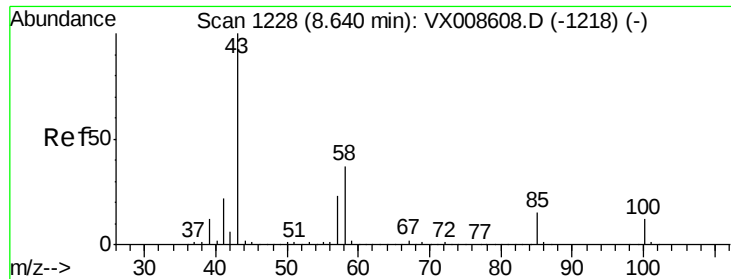
#50
 Toluene-d8
 Concen: 54.395 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX008683.D
 Acq: 05 Apr 2019 15:17

Tgt Ion: 98 Resp: 446959
 Ion Ratio Lower Upper
 98 100
 100 64.3 51.4 77.0



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





#51

4-Methyl-2-Pentanone

Concen: 240.354 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

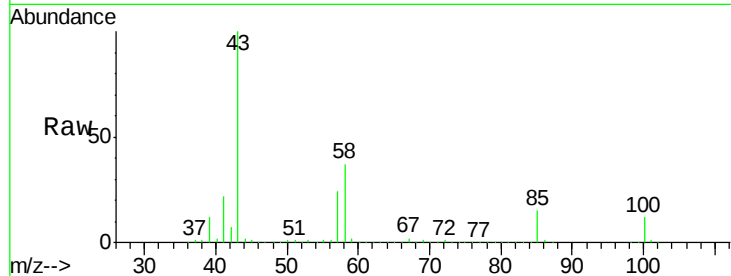
VSTDCCC050

Tot Ion: 43 Resp: 1141444

Ion Ratio Lower Upper

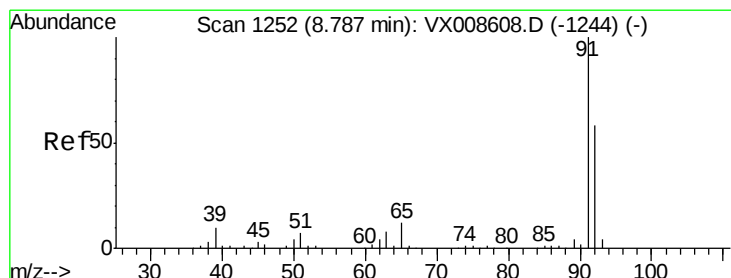
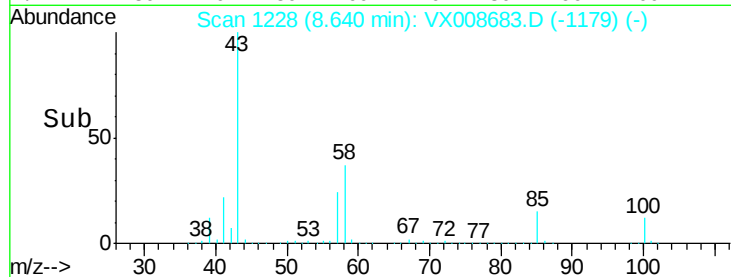
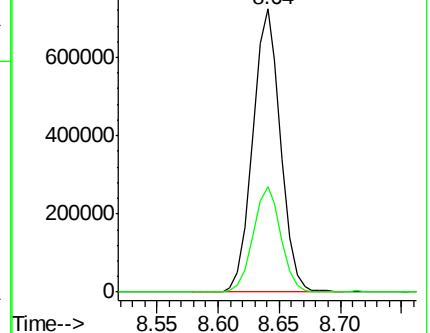
43 100

58 37.1 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 48.683 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008683.D

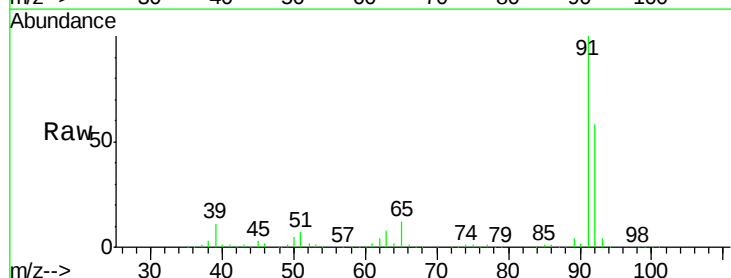
Acq: 05 Apr 2019 15:17

Tgt Ion: 92 Resp: 301677

Ion Ratio Lower Upper

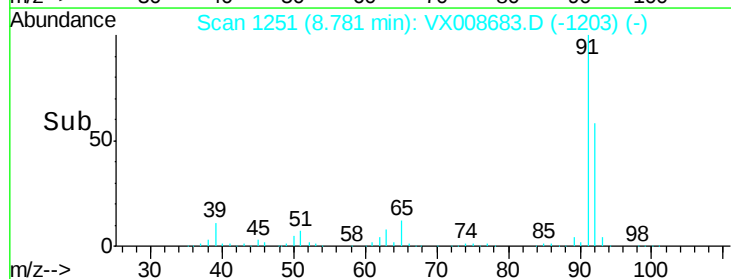
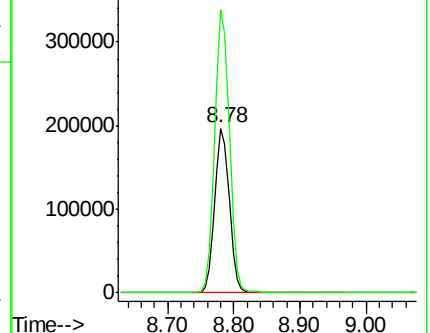
92 100

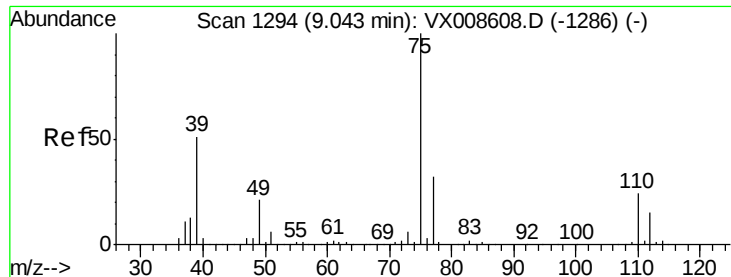
91 173.5 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 51.508 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

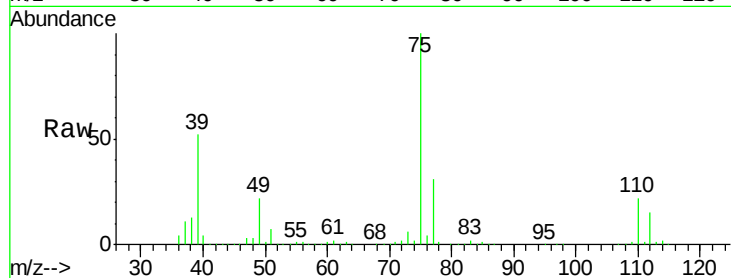
VSTDCCC050

Tot Ion: 75 Resp: 189291

Ion Ratio Lower Upper

75 100

77 30.9 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

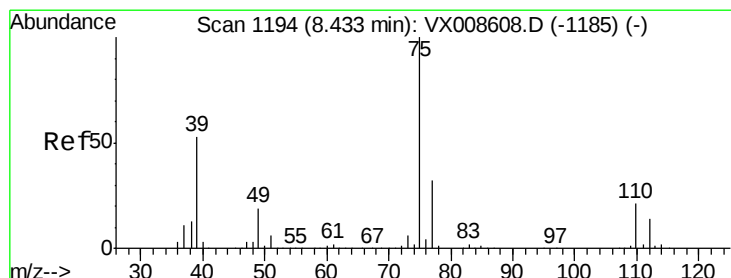
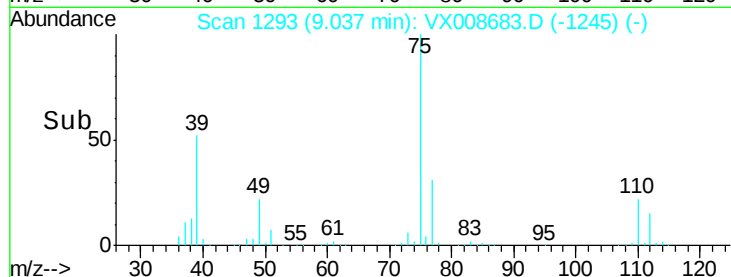
150000

100000

50000

0

Time--> 8.95 9.00 9.05 9.10



#54

cis-1,3-Dichloropropene

Concen: 50.070 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

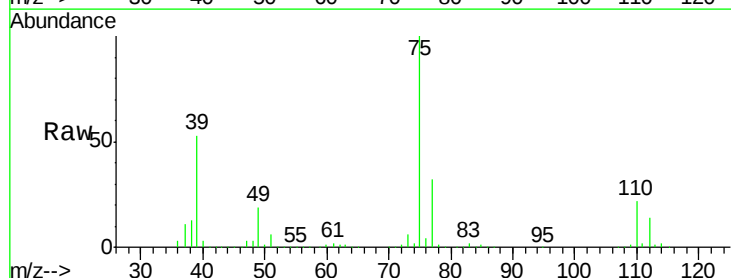
Tgt Ion: 75 Resp: 210253

Ion Ratio Lower Upper

75 100

77 31.9 25.3 37.9

39 52.8 42.6 63.8



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

8.43

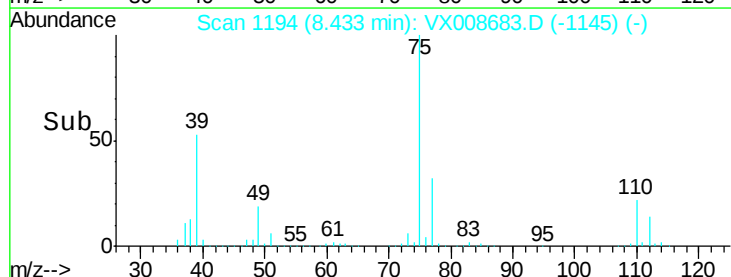
150000

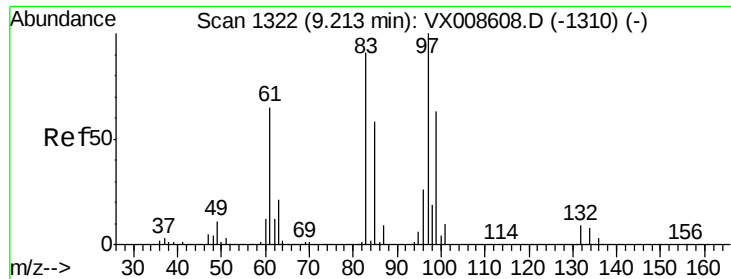
100000

50000

0

Time--> 8.35 8.40 8.45 8.50 8.55

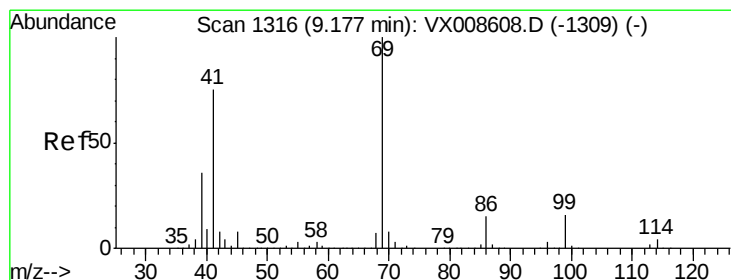
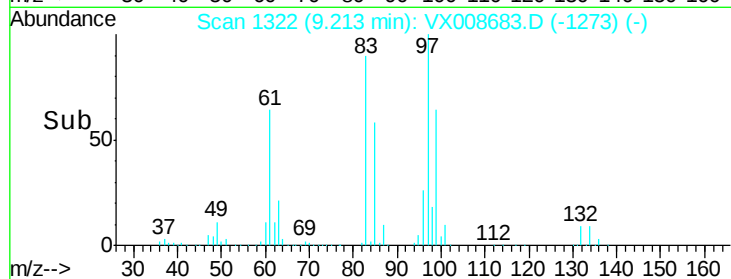
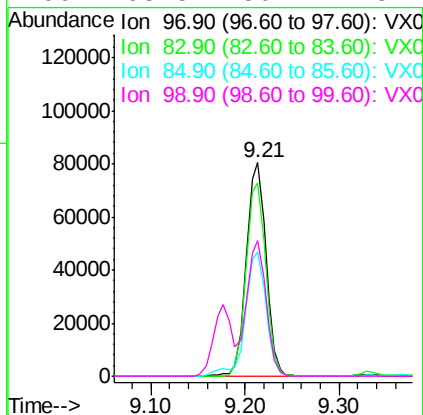
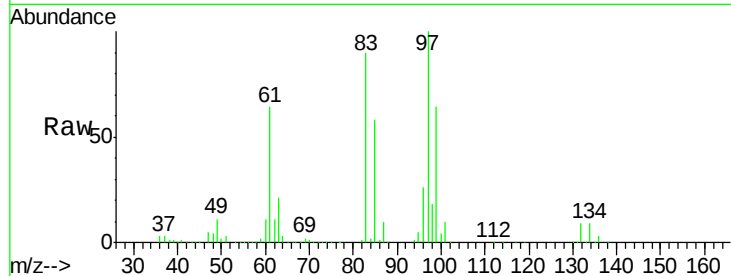




#55
 1,1,2-Trichloroethane
 Concen: 47.577 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008683.D
 Acq: 05 Apr 2019 15:17

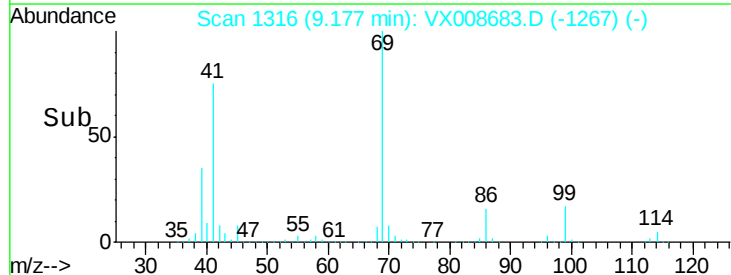
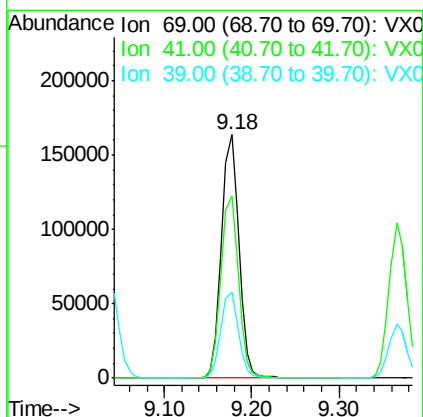
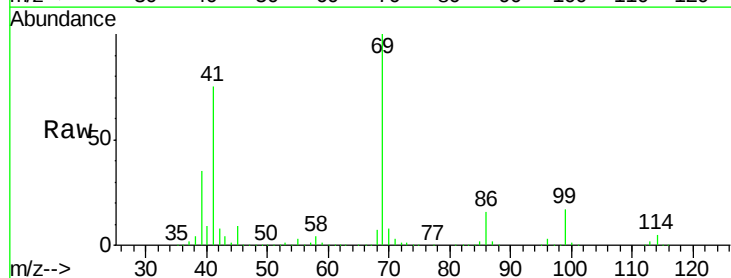
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

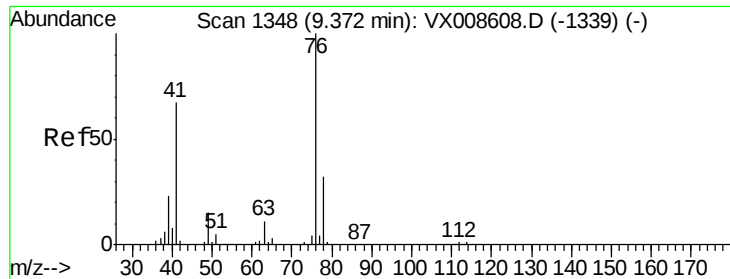
Tot Ion: 97 Resp: 118344
 Ion Ratio Lower Upper
 97 100
 83 90.4 73.2 109.8
 85 58.3 46.6 69.8
 99 63.5 50.1 75.1



#56
 Ethyl methacrylate
 Concen: 50.378 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008683.D
 Acq: 05 Apr 2019 15:17

Tgt Ion: 69 Resp: 226728
 Ion Ratio Lower Upper
 69 100
 41 75.2 60.1 90.1
 39 35.6 28.9 43.3





#57

1,3-Dichloropropane

Concen: 48.051 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

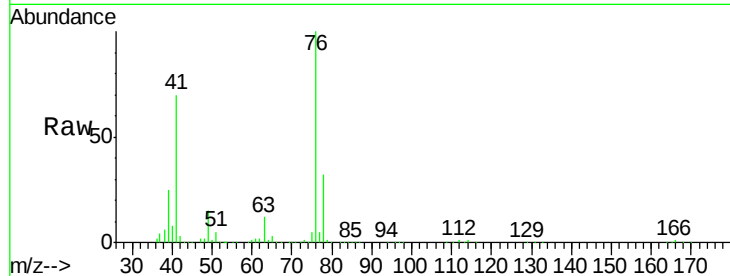
VSTDCCC050

Tot Ion: 76 Resp: 214620

Ion Ratio Lower Upper

76 100

78 31.8 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

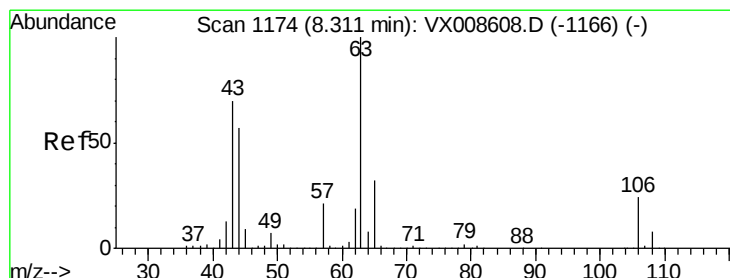
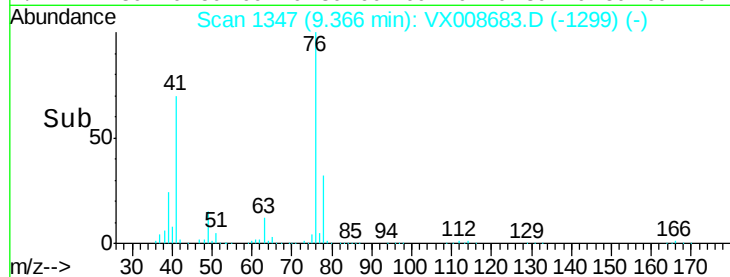
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 143.705 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX008683.D

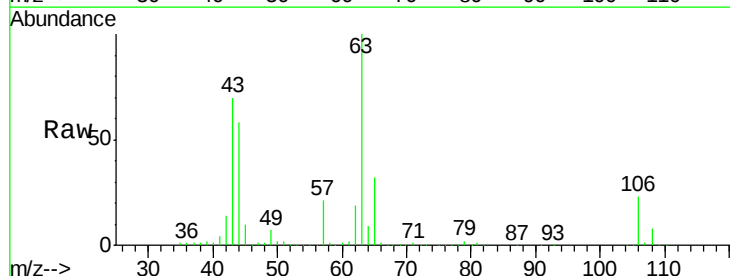
Acq: 05 Apr 2019 15:17

Tgt Ion: 63 Resp: 330240

Ion Ratio Lower Upper

63 100

106 24.0 19.0 28.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.30

200000

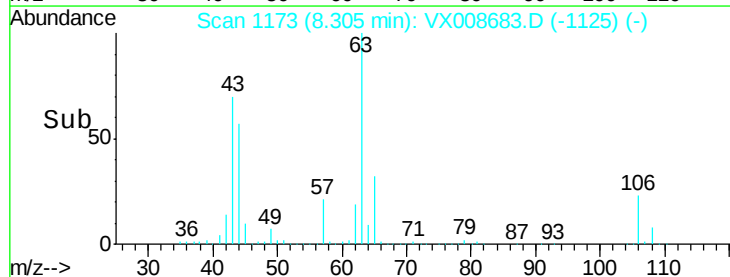
150000

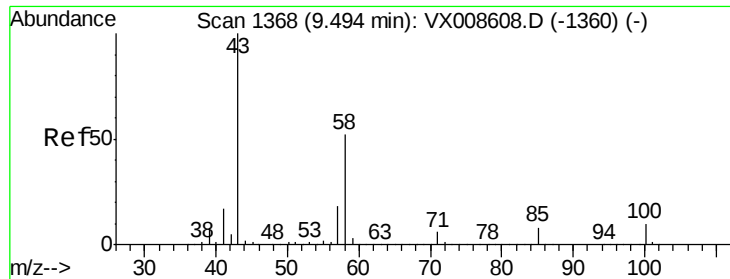
100000

50000

0

Time-->

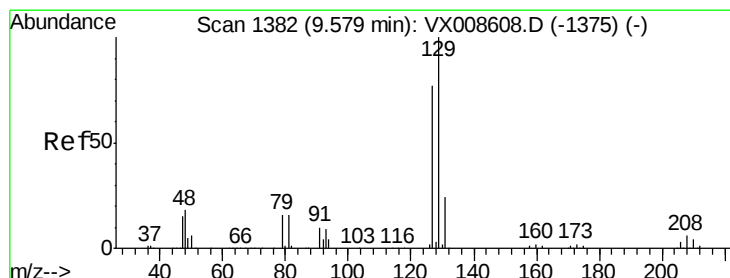
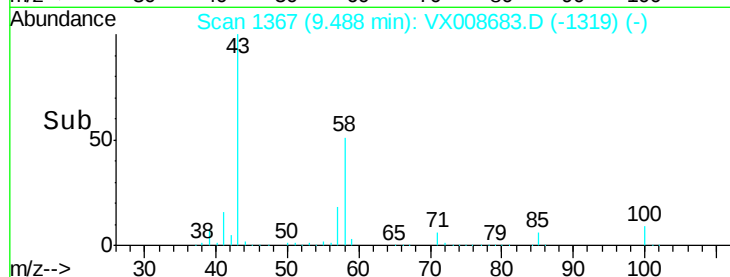
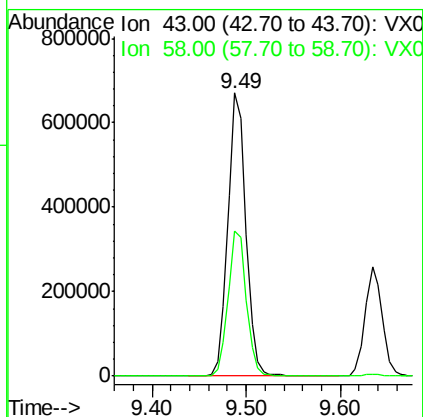
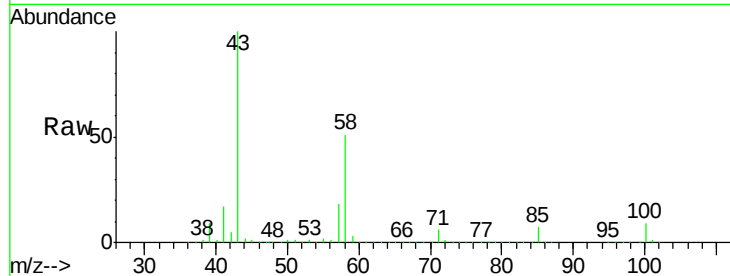




#59
2-Hexanone
Concen: 241.892 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VX008683.D
Acq: 05 Apr 2019 15:17

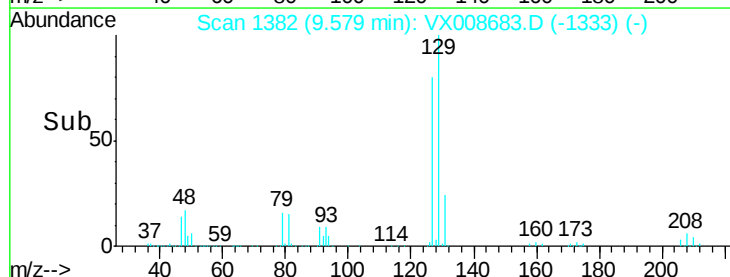
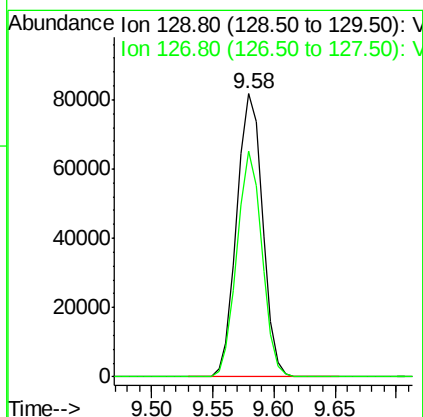
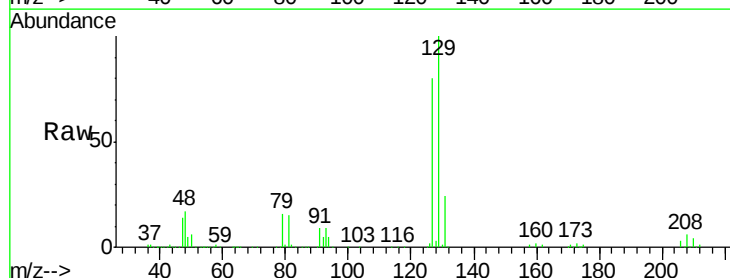
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

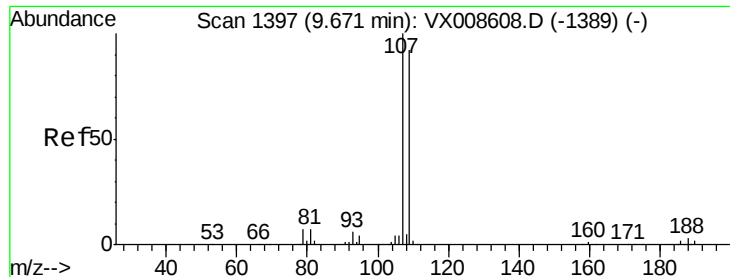
Tot Ion: 43 Resp: 892745
Ion Ratio Lower Upper
43 100
58 52.0 25.9 77.7



#60
Dibromochloromethane
Concen: 51.029 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008683.D
Acq: 05 Apr 2019 15:17

Tgt Ion: 129 Resp: 119608
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.3





#61

1,2-Dibromoethane

Concen: 47.588 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

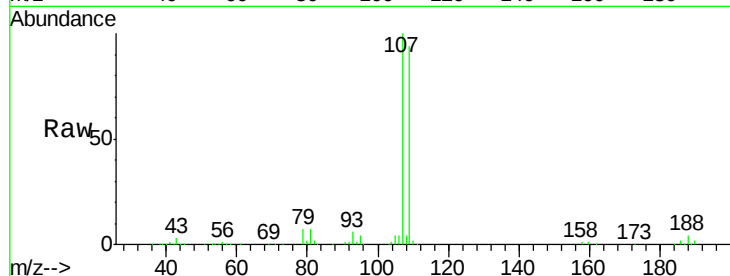
VSTDCCC050

Tot Ion:107 Resp: 123229

Ion Ratio Lower Upper

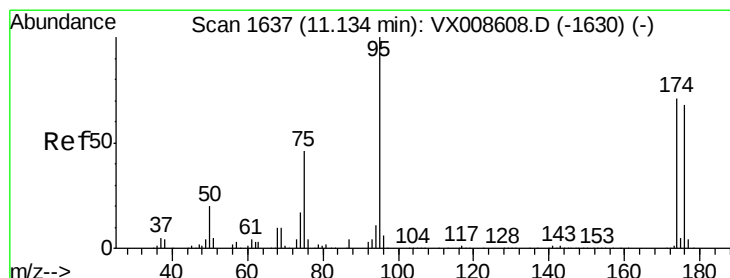
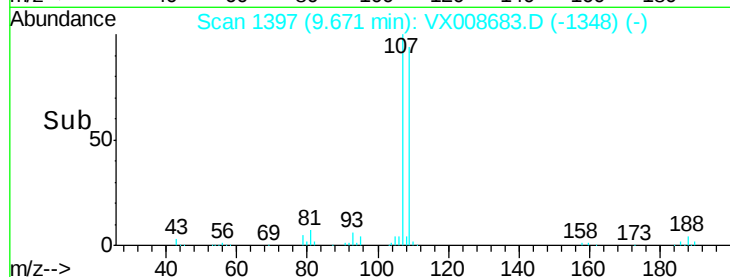
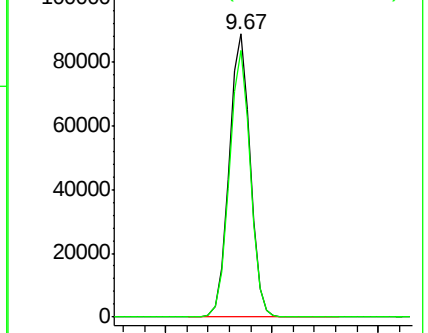
107 100

109 93.9 74.1 111.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 57.852 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

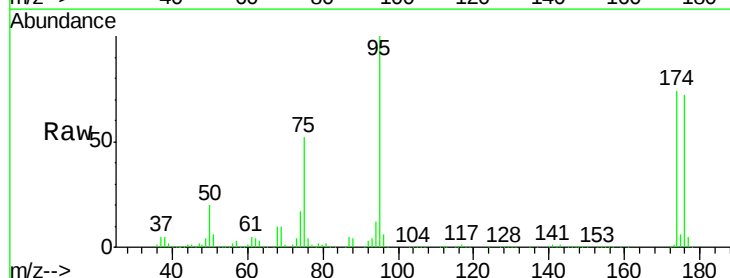
Tgt Ion: 95 Resp: 168573

Ion Ratio Lower Upper

95 100

174 77.6 0.0 151.8

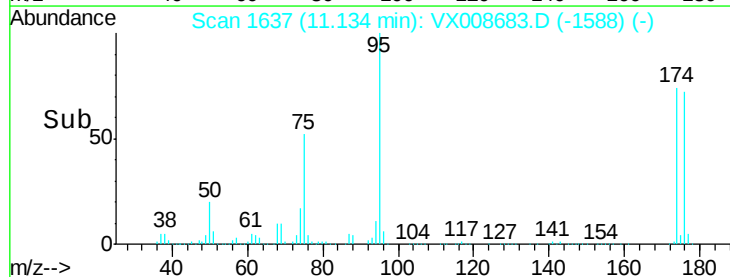
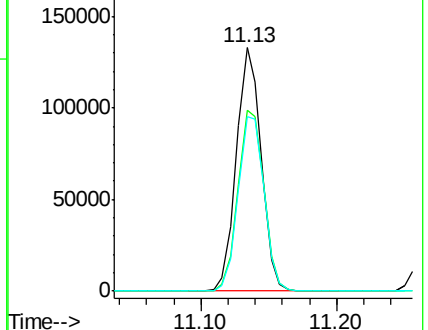
176 75.4 0.0 145.8

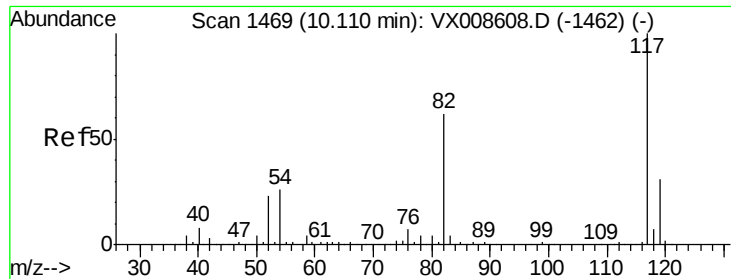


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

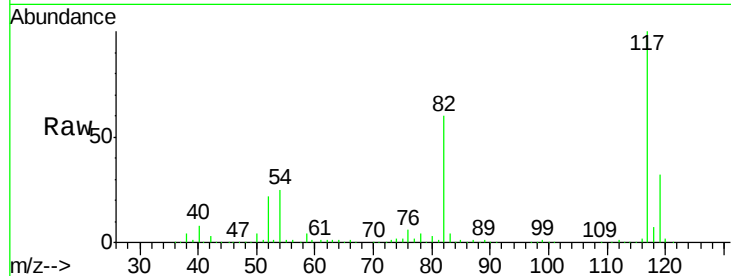




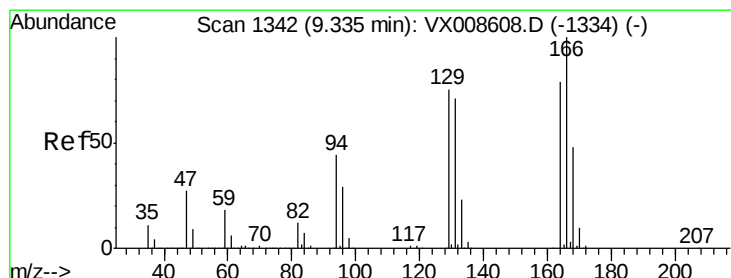
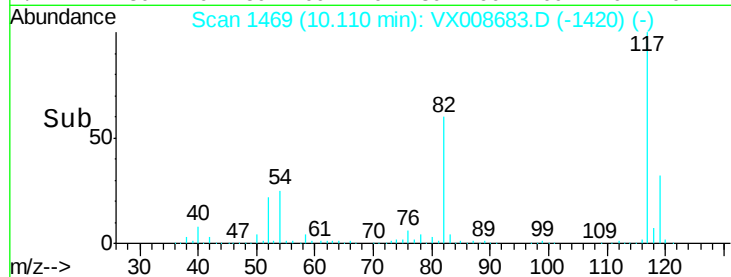
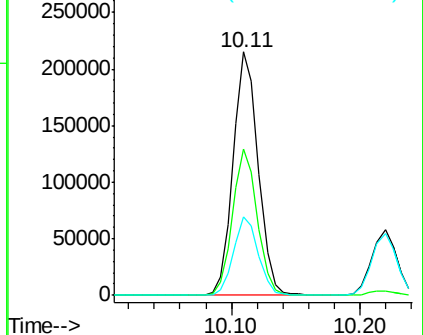
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008683.D
Acq: 05 Apr 2019 15:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 292220
Ion Ratio Lower Upper
117 100
82 59.9 49.6 74.4
119 32.2 25.0 37.4



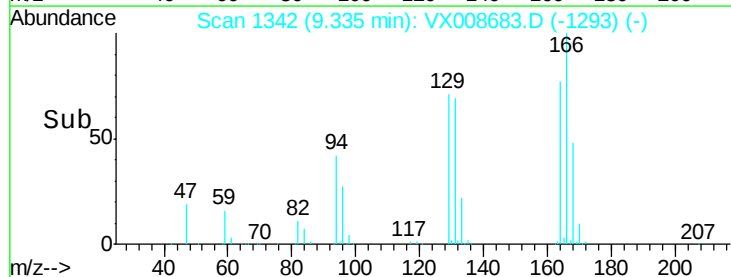
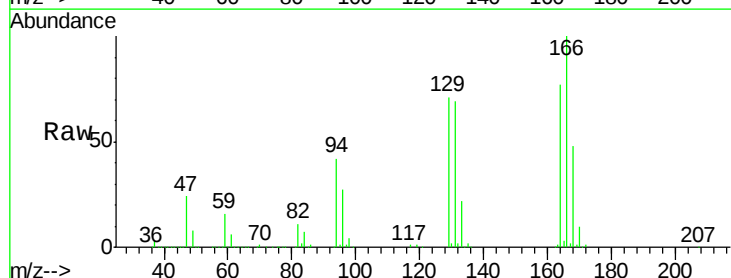
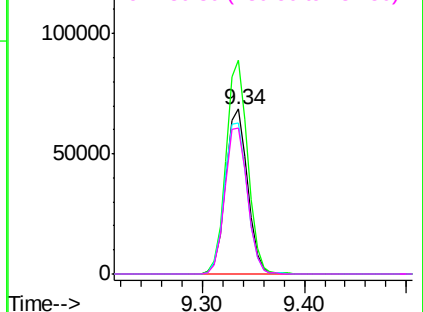
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

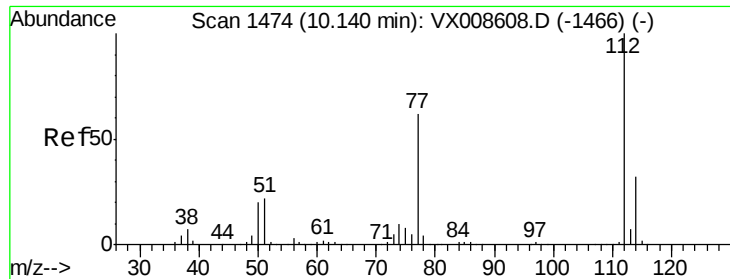


#64
Tetrachloroethene
Concen: 47.049 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008683.D
Acq: 05 Apr 2019 15:17

Tgt Ion:164 Resp: 101863
Ion Ratio Lower Upper
164 100
166 129.5 101.0 151.6
129 91.5 75.8 113.8
131 88.8 71.8 107.8

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

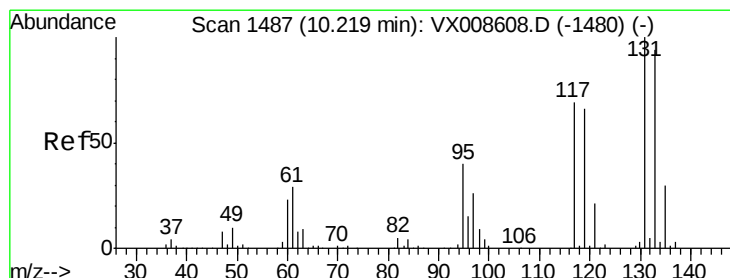
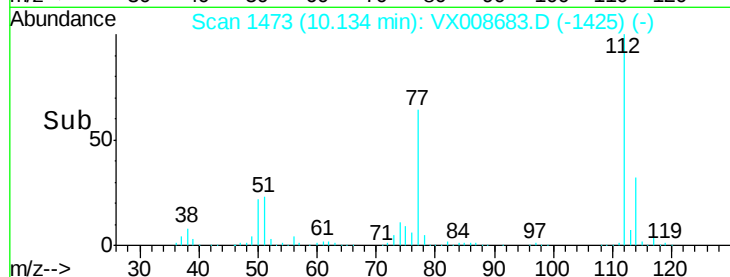
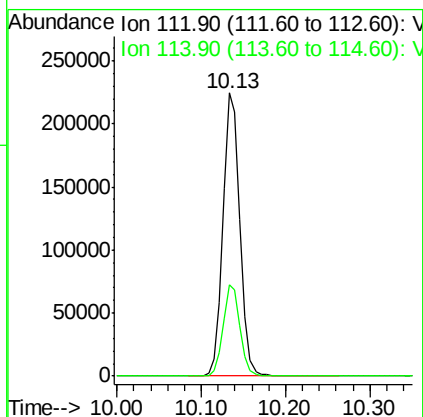
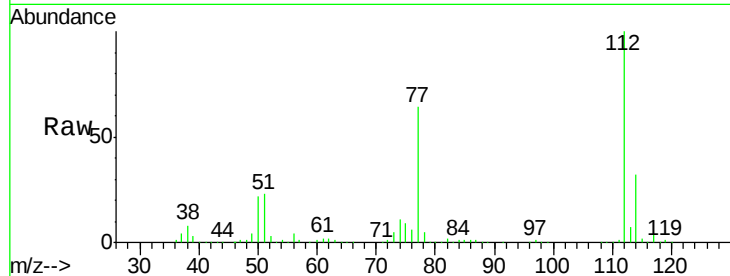




#65
Chlorobenzene
Concen: 47.983 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX008683.D
Acq: 05 Apr 2019 15:17

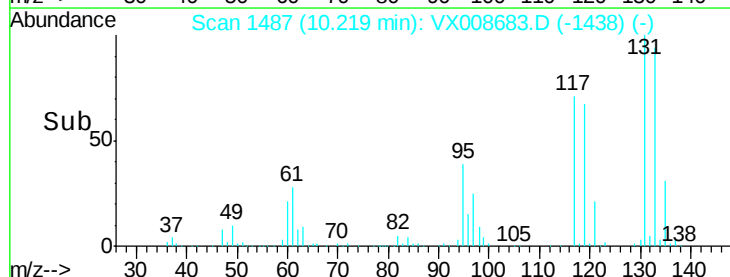
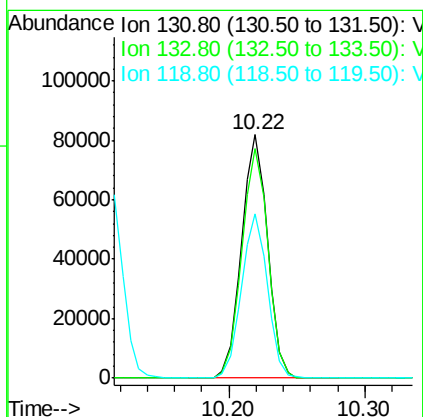
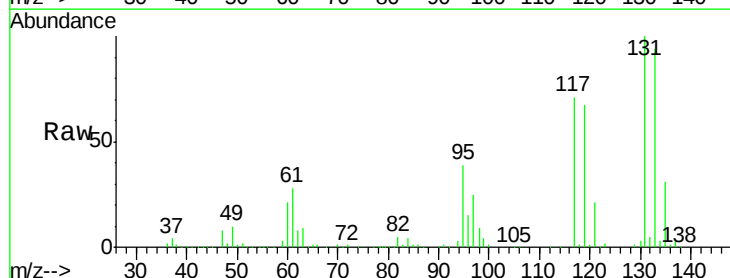
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

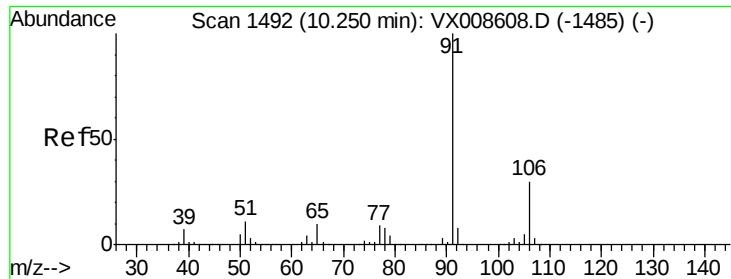
Tot Ion:112 Resp: 310811
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 48.169 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX008683.D
Acq: 05 Apr 2019 15:17

Tgt Ion:131 Resp: 109463
Ion Ratio Lower Upper
131 100
133 94.8 47.0 141.2
119 67.4 33.7 101.0





#67

Ethyl Benzene

Concen: 48.439 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

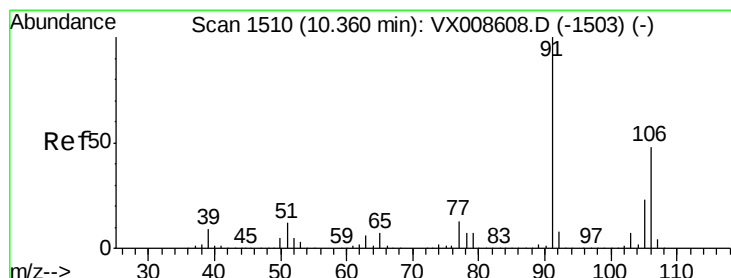
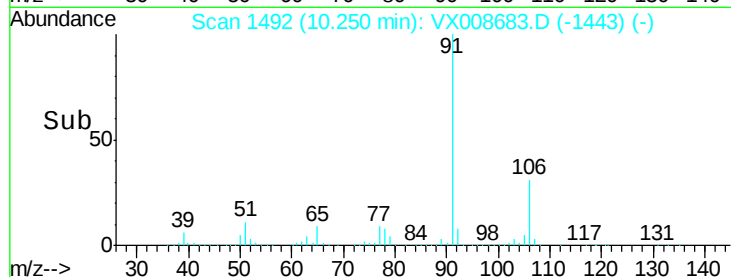
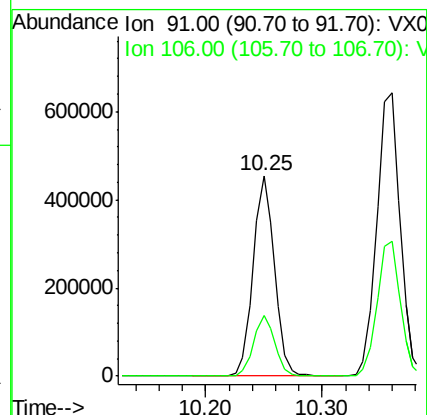
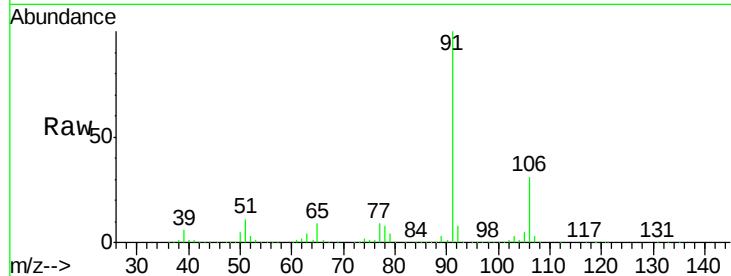
VSTDCCC050

Tot Ion: 91 Resp: 585073

Ion Ratio Lower Upper

91 100

106 30.5 23.7 35.5



#68

m/p-Xylenes

Concen: 98.757 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008683.D

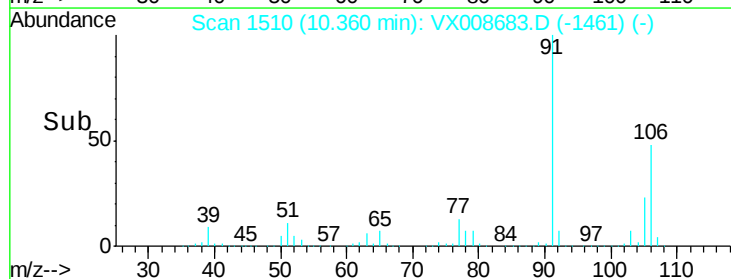
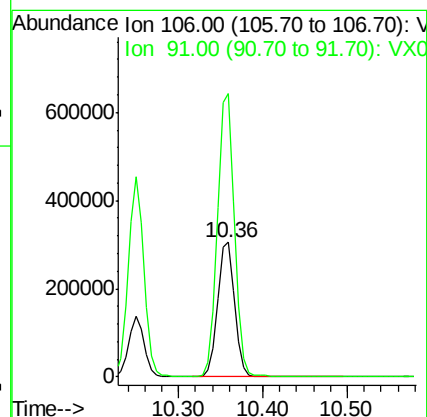
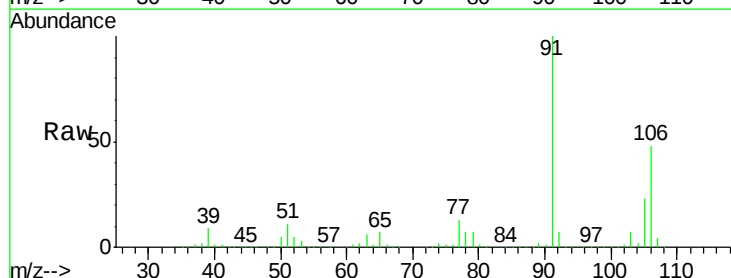
Acq: 05 Apr 2019 15:17

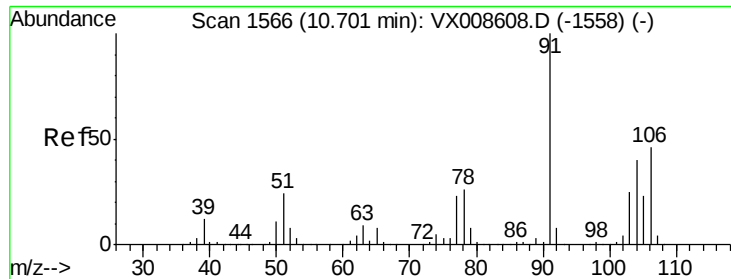
Tgt Ion: 106 Resp: 428891

Ion Ratio Lower Upper

106 100

91 210.0 168.5 252.7

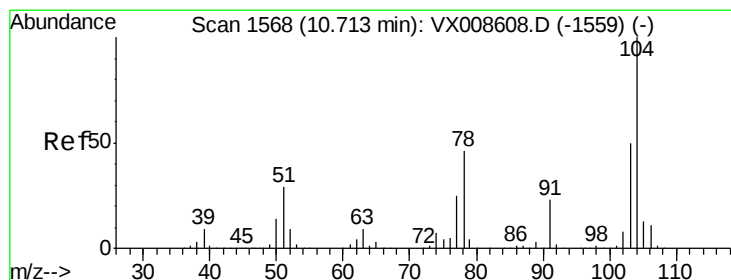
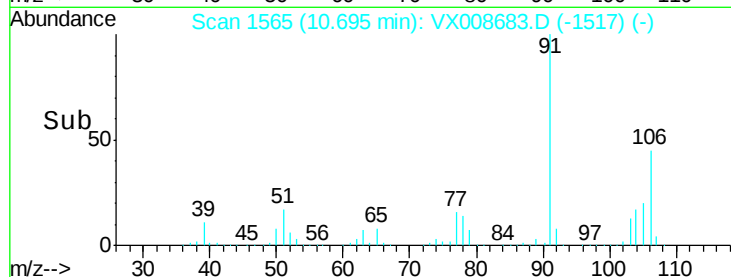
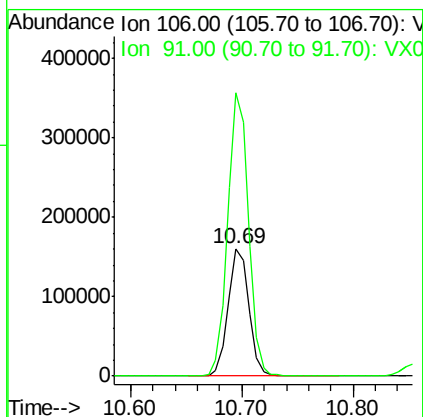
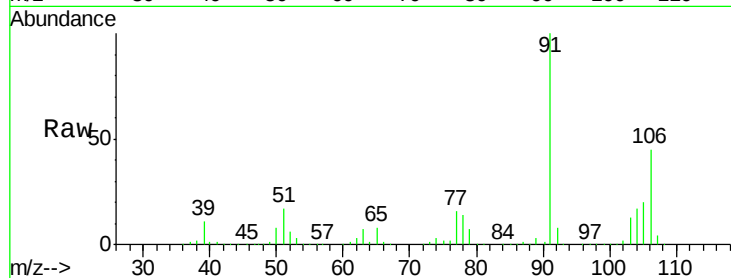




#69
o-Xylene
Concen: 49.259 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008683.D
Acq: 05 Apr 2019 15:17

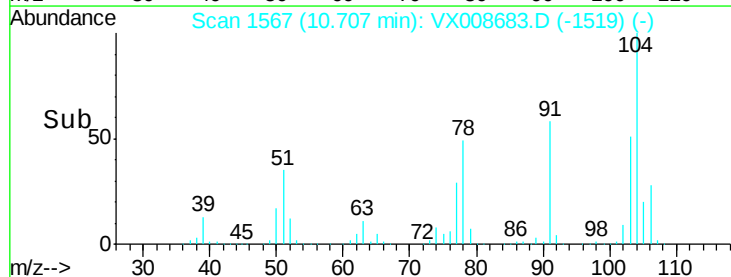
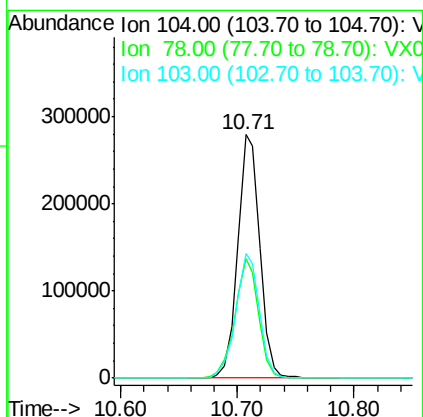
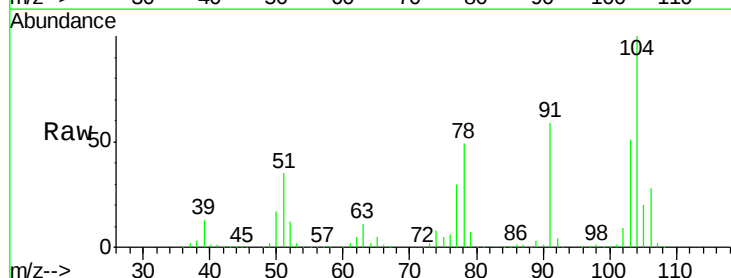
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

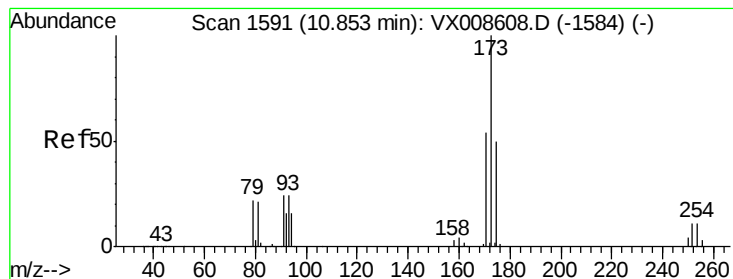
Tot Ion:106 Resp: 207319
Ion Ratio Lower Upper
106 100
91 221.8 111.5 334.4



#70
Styrene
Concen: 50.819 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX008683.D
Acq: 05 Apr 2019 15:17

Tgt Ion:104 Resp: 368686
Ion Ratio Lower Upper
104 100
78 52.4 42.3 63.5
103 54.7 44.4 66.6





#71

Bromoform

Concen: 52.200 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

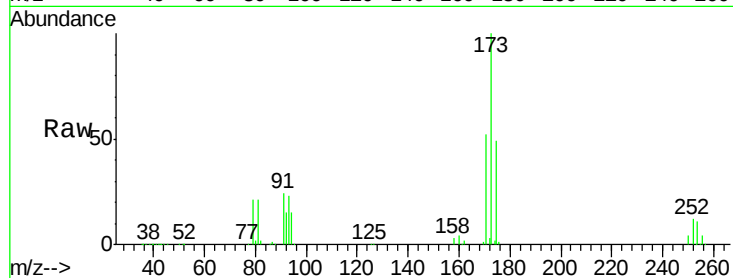
Tot Ion:173 Resp: 90598

Ion Ratio Lower Upper

173 100

175 48.2 24.9 74.6

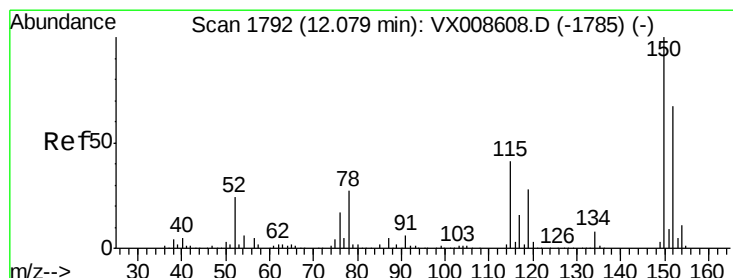
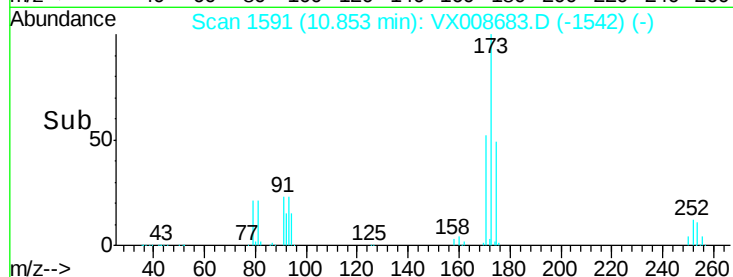
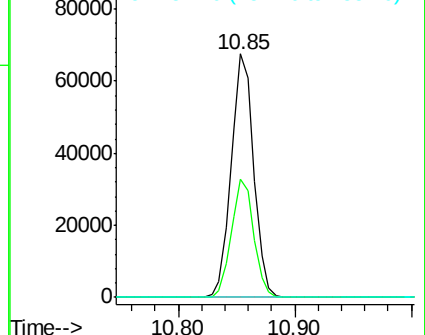
254 0.2 0.1 0.1#



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: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

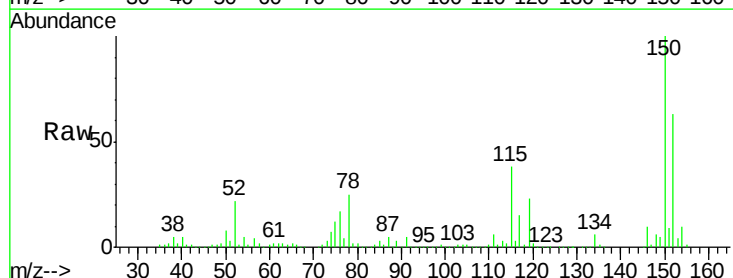
Tgt Ion:152 Resp: 143157

Ion Ratio Lower Upper

152 100

115 85.4 43.5 130.5

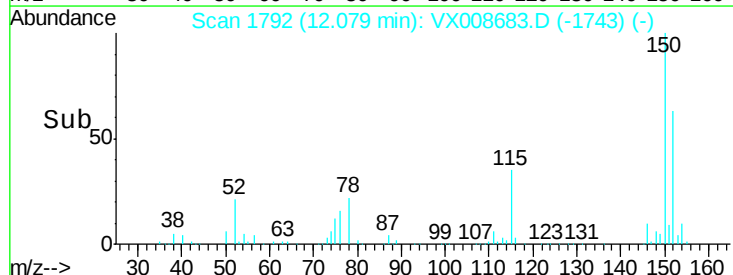
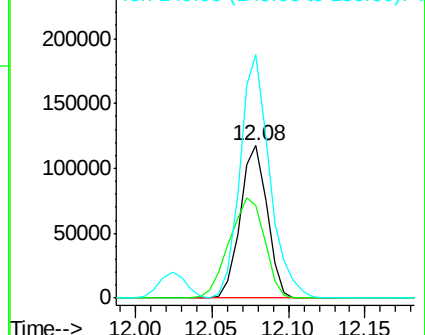
150 175.4 0.0 348.8

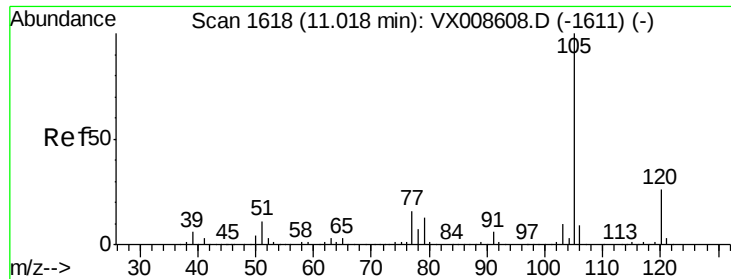


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.476 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

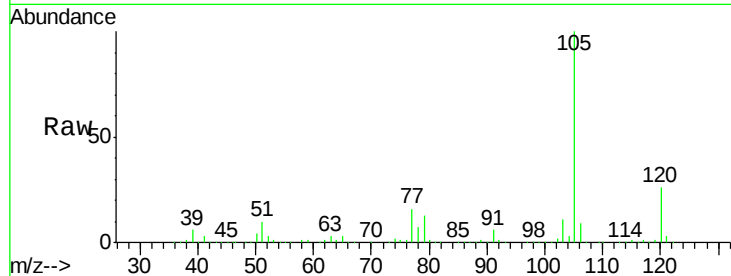
VSTDCCC050

Tot Ion:105 Resp: 551382

Ion Ratio Lower Upper

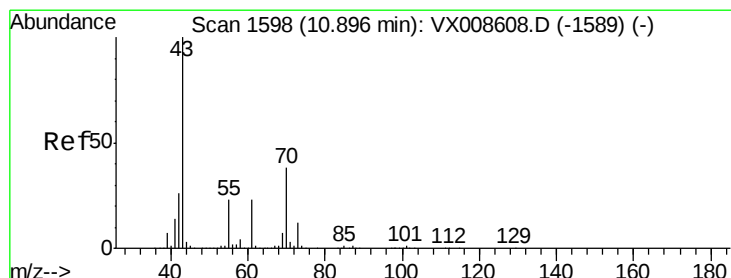
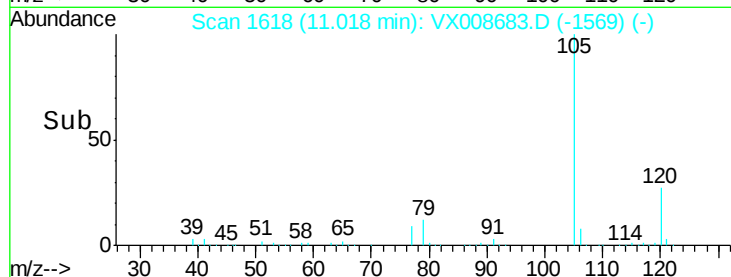
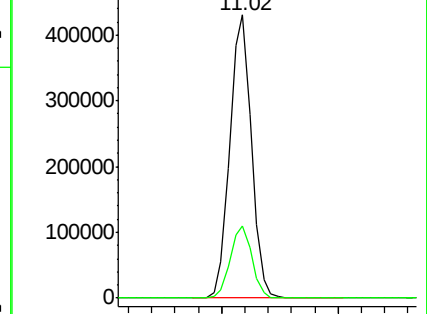
105 100

120 25.7 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.462 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

Tgt Ion: 43 Resp: 324305

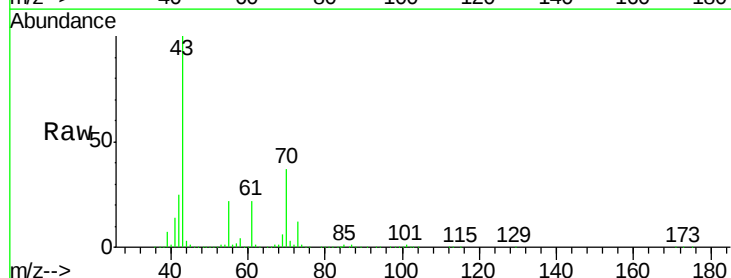
Ion Ratio Lower Upper

43 100

70 36.9 30.2 45.4

55 22.1 18.2 27.4

61 22.6 18.6 28.0

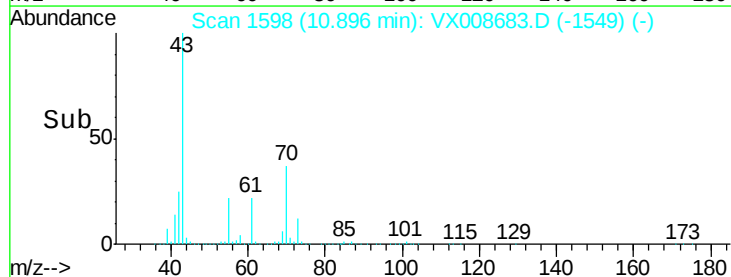
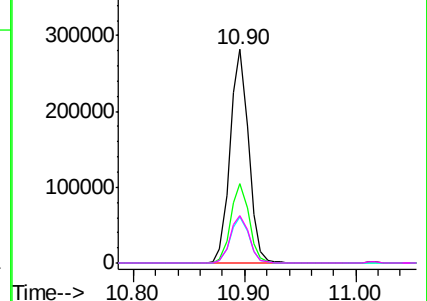


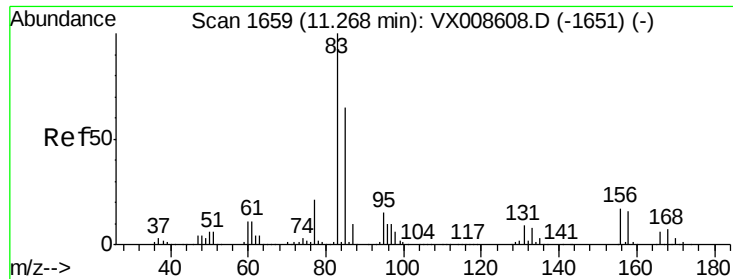
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 43.481 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

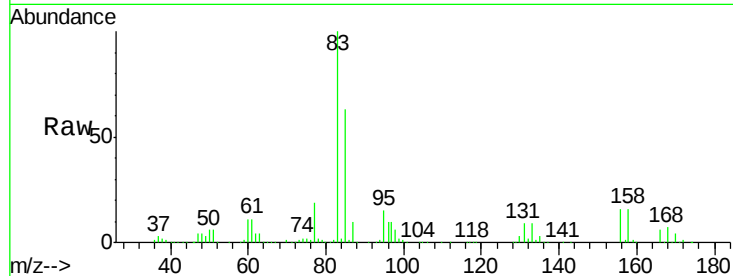
Tot Ion: 83 Resp: 196186

Ion Ratio Lower Upper

83 100

131 9.3 4.5 13.7

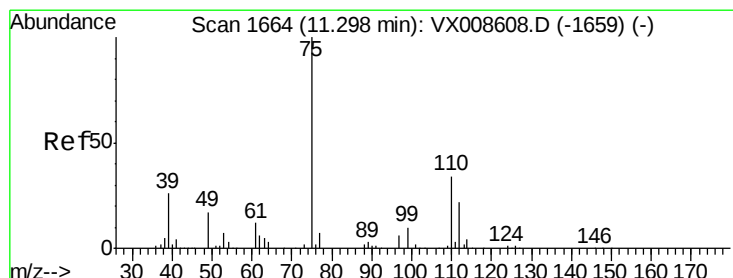
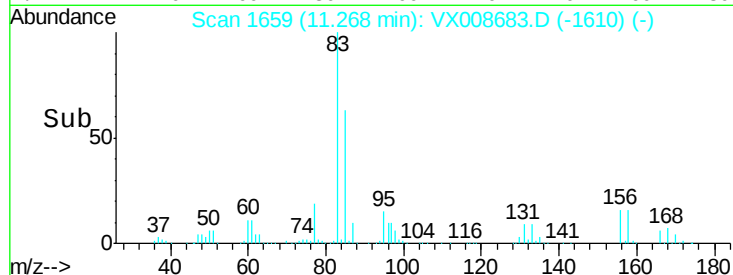
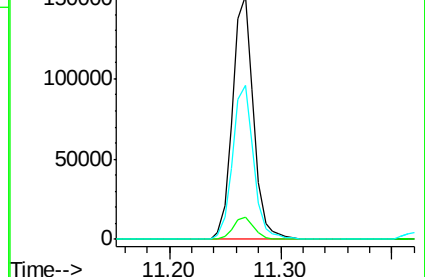
85 63.6 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 59.890 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX008683.D

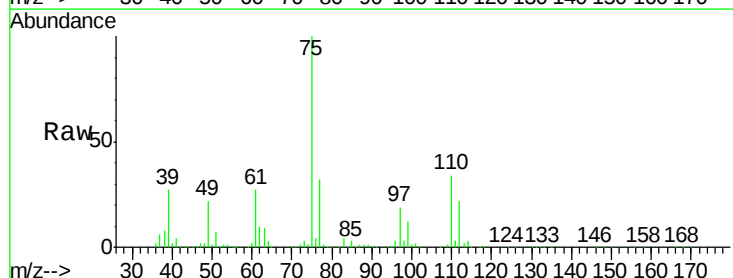
Acq: 05 Apr 2019 15:17

Tgt Ion: 75 Resp: 235525

Ion Ratio Lower Upper

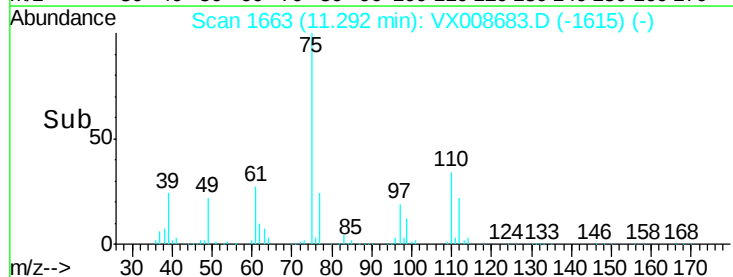
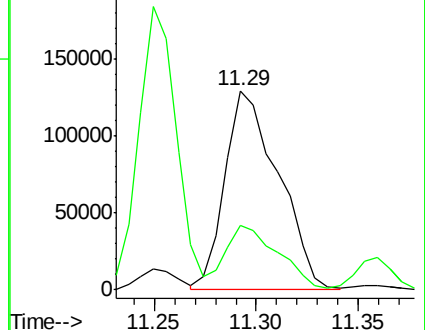
75 100

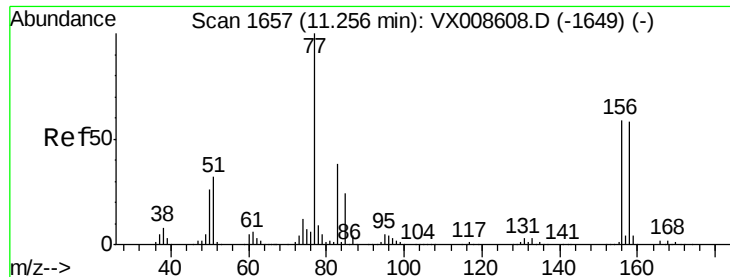
77 31.9 22.3 66.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 46.978 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

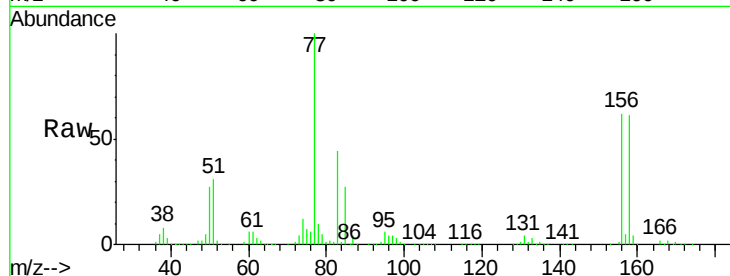
Tot Ion:156 Resp: 133986

Ion Ratio Lower Upper

156 100

77 175.6 89.8 269.6

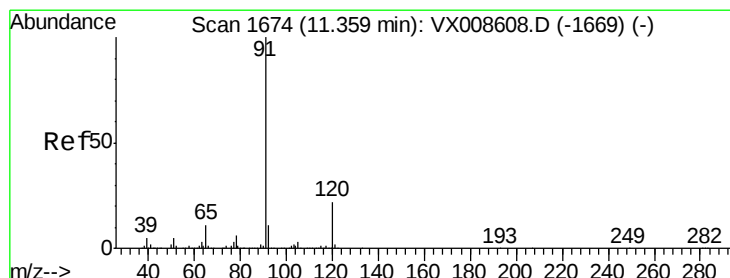
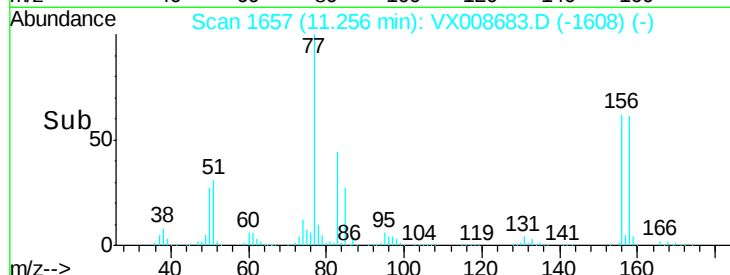
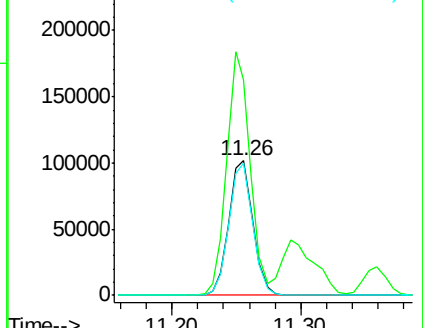
158 97.1 48.6 145.9



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: 47.673 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008683.D

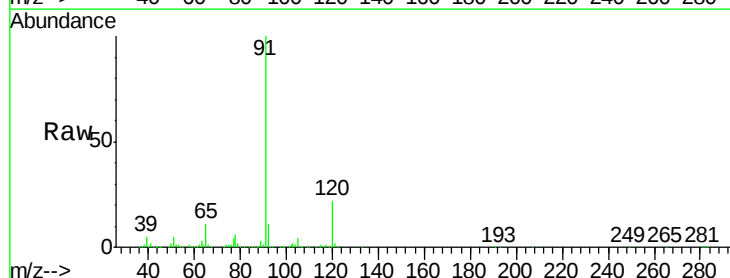
Acq: 05 Apr 2019 15:17

Tgt Ion: 91 Resp: 658545

Ion Ratio Lower Upper

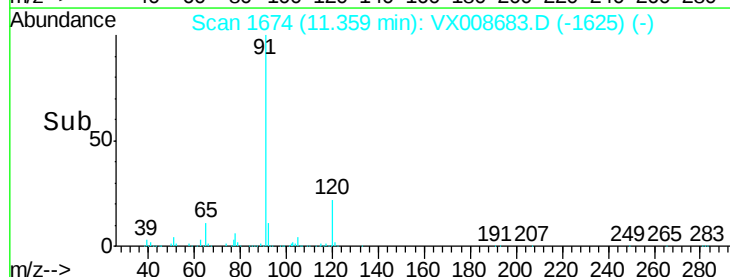
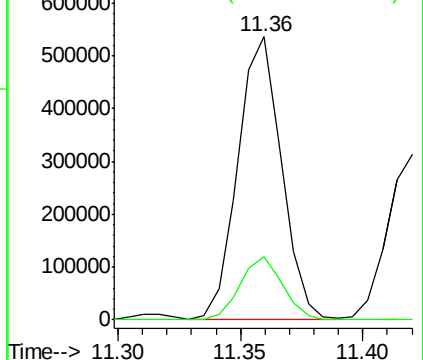
91 100

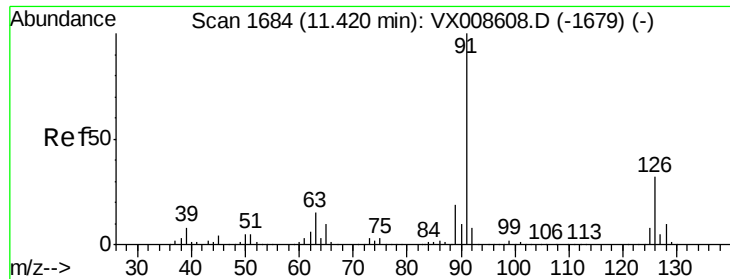
120 21.8 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

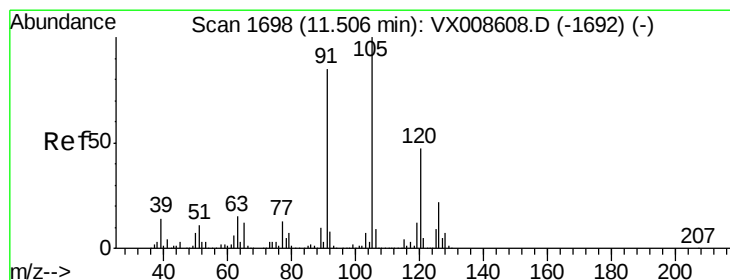
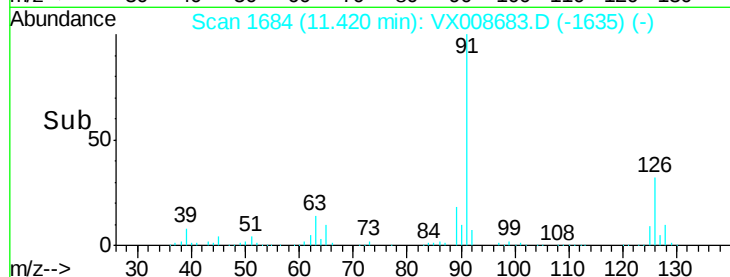
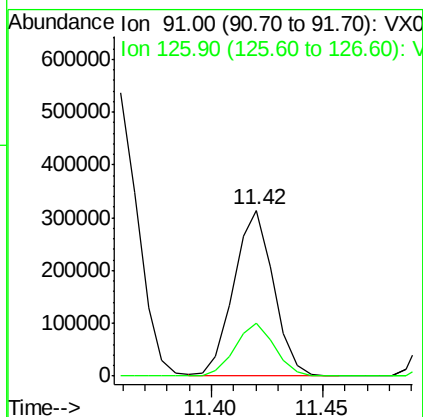
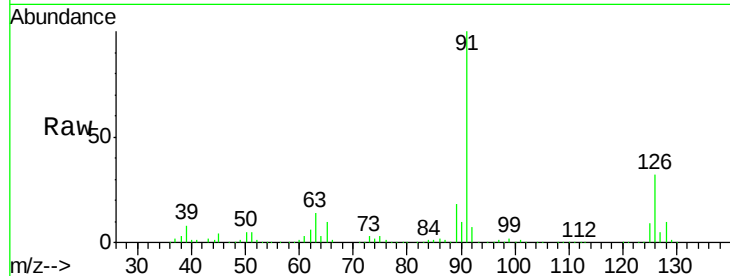




#79
 2-Chlorotoluene
 Concen: 46.661 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX008683.D
 Acq: 05 Apr 2019 15:17

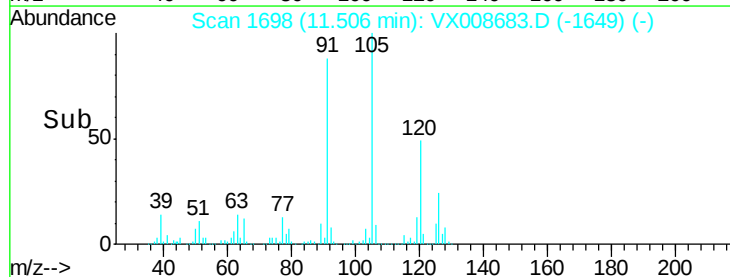
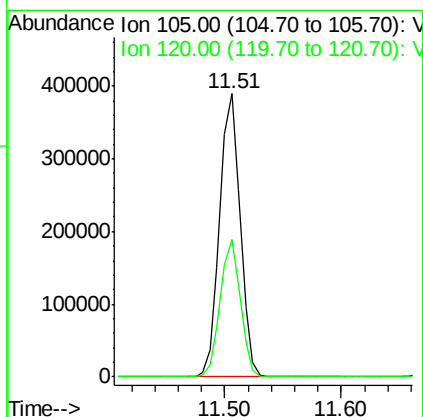
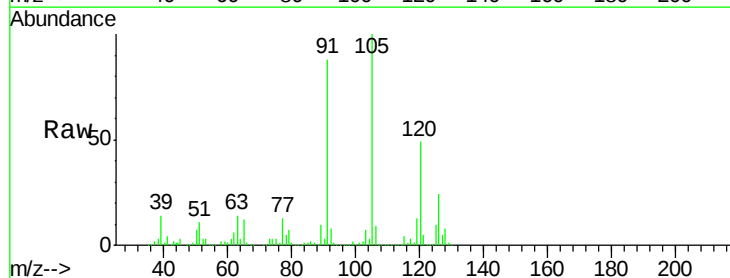
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

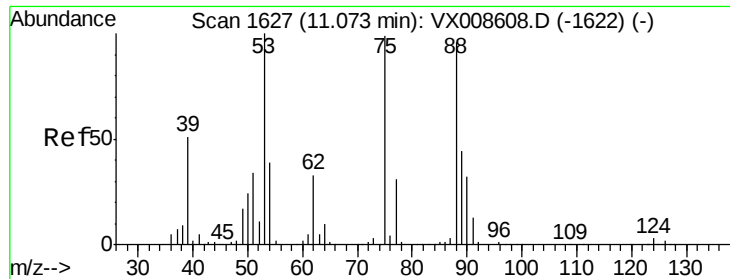
Tot Ion: 91 Resp: 390065
 Ion Ratio Lower Upper
 91 100
 126 32.1 16.1 48.3



#80
 1,3,5-Trimethylbenzene
 Concen: 47.487 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX008683.D
 Acq: 05 Apr 2019 15:17

Tgt Ion: 105 Resp: 472911
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.5 70.6





#81

trans-1,4-Dichloro-2-butene

Concen: 49.343 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

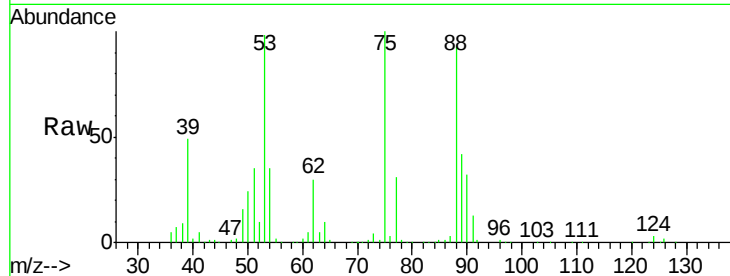
Tot Ion: 75 Resp: 70396

Ion Ratio Lower Upper

75 100

53 99.6 81.3 121.9

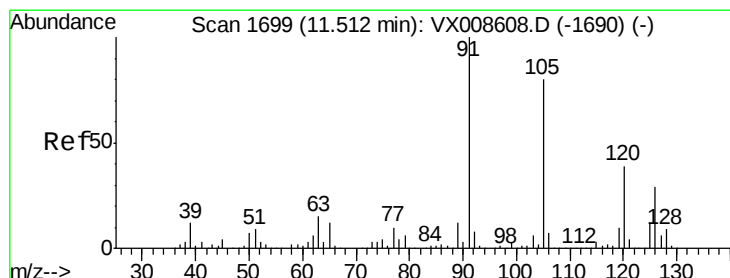
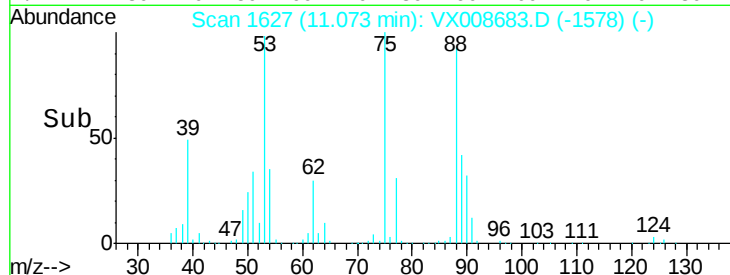
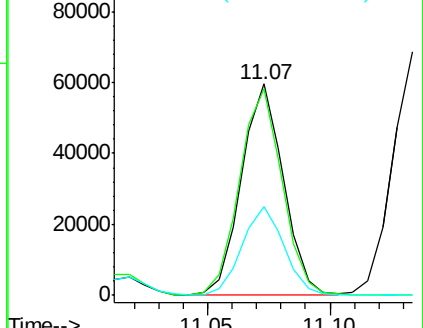
89 42.7 35.6 53.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 46.905 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX008683.D

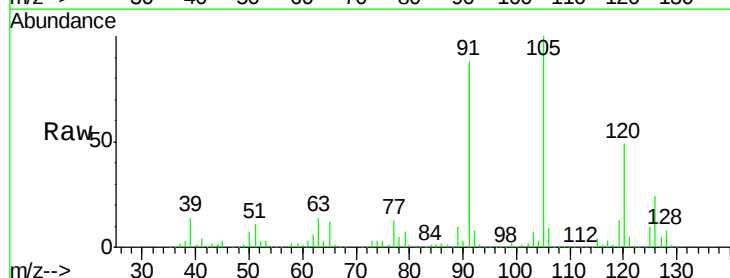
Acq: 05 Apr 2019 15:17

Tgt Ion: 91 Resp: 453875

Ion Ratio Lower Upper

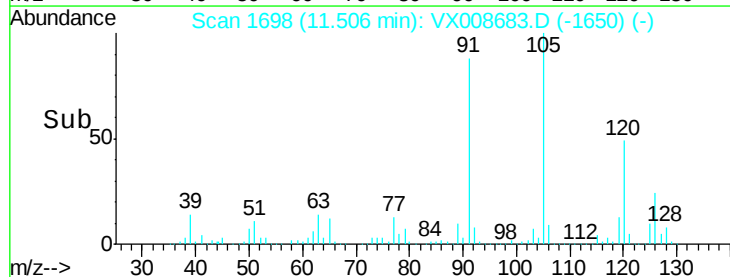
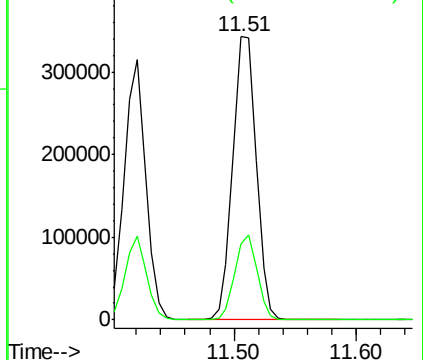
91 100

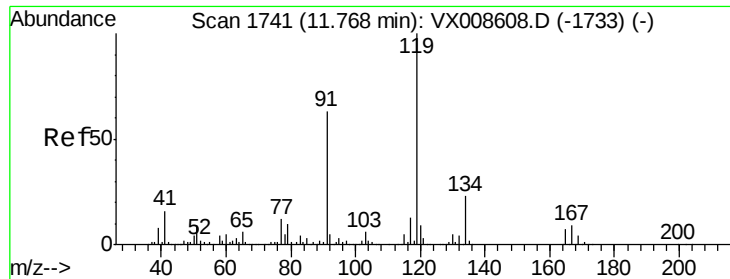
126 28.4 13.9 41.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

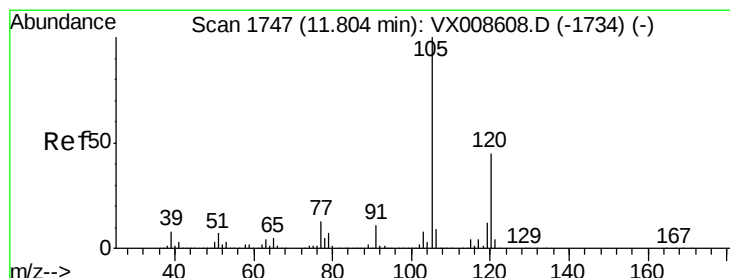
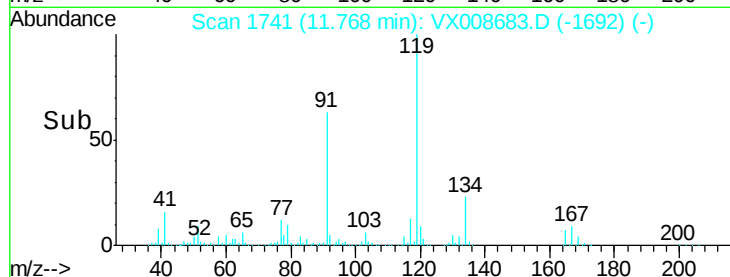
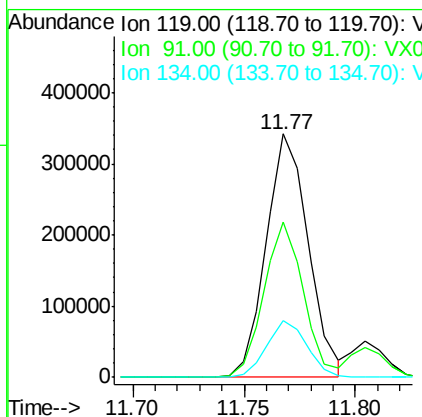
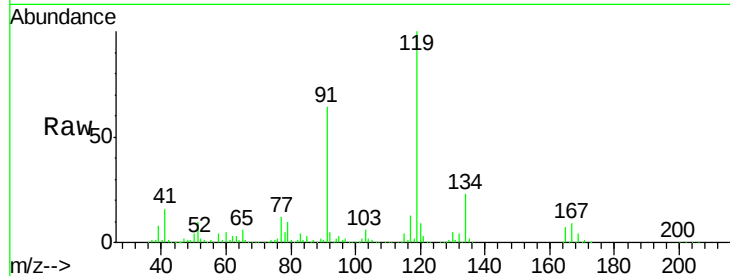




#83
tert-Butylbenzene
Concen: 46.972 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX008683.D
Acq: 05 Apr 2019 15:17

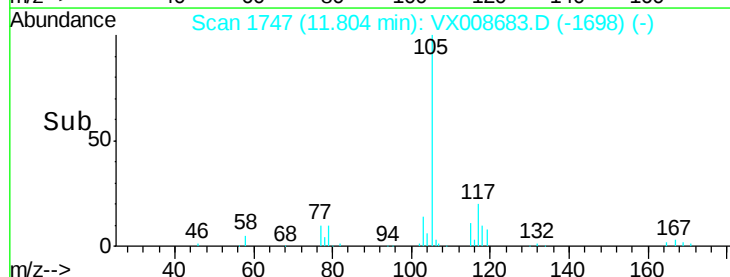
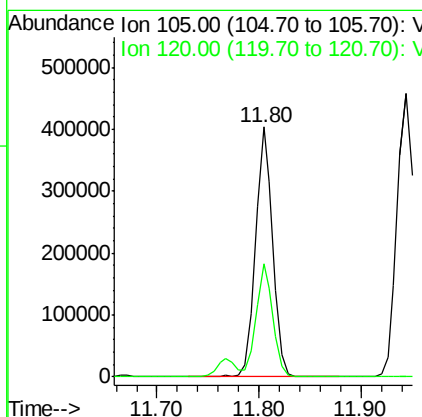
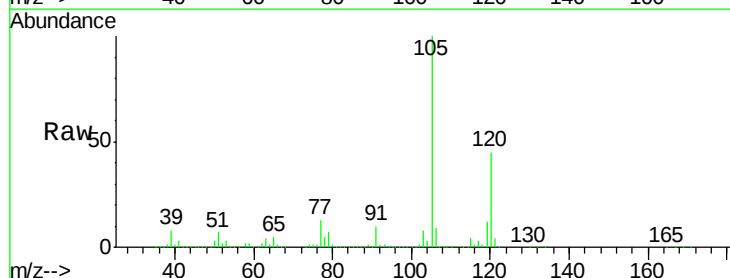
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

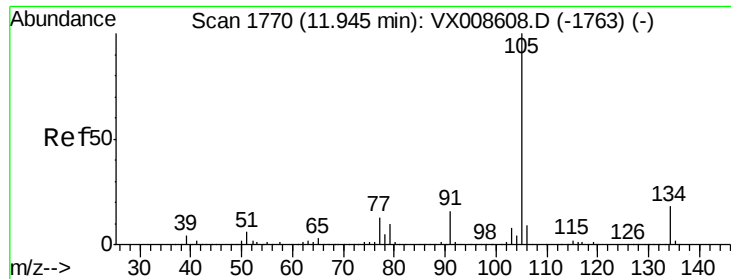
Tot Ion:119 Resp: 450038
Ion Ratio Lower Upper
119 100
91 59.9 30.0 90.1
134 22.4 11.1 33.3



#84
1,2,4-Trimethylbenzene
Concen: 47.488 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008683.D
Acq: 05 Apr 2019 15:17

Tgt Ion:105 Resp: 478861
Ion Ratio Lower Upper
105 100
120 43.5 21.8 65.3





#85

sec-Butylbenzene

Concen: 48.110 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

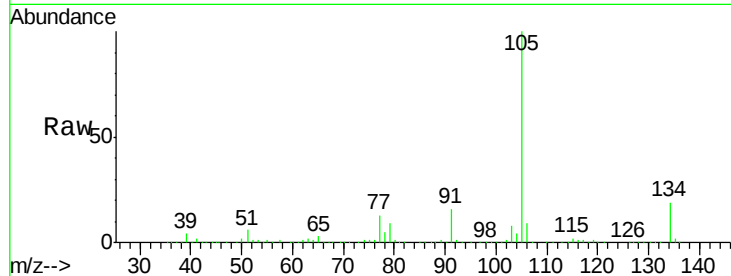
VSTDCCC050

Tot Ion:105 Resp: 547522

Ion Ratio Lower Upper

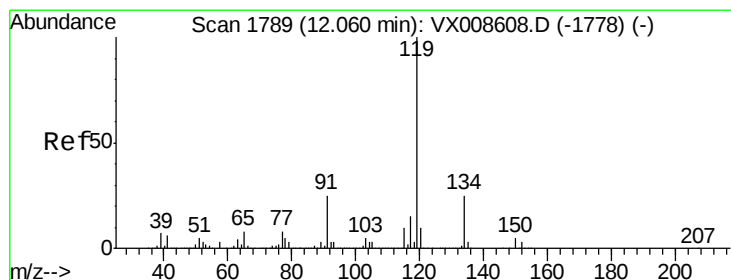
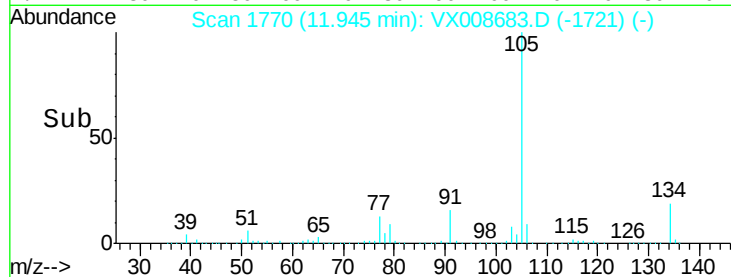
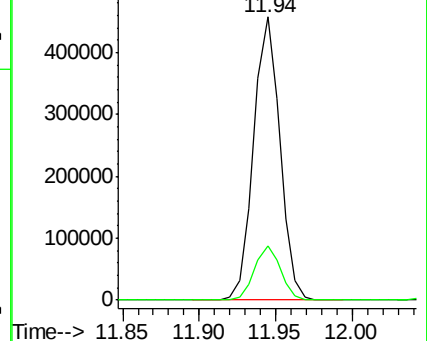
105 100

134 19.2 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.914 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

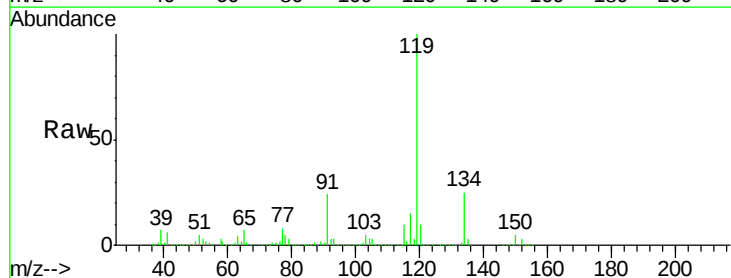
Tgt Ion:119 Resp: 499634

Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.4

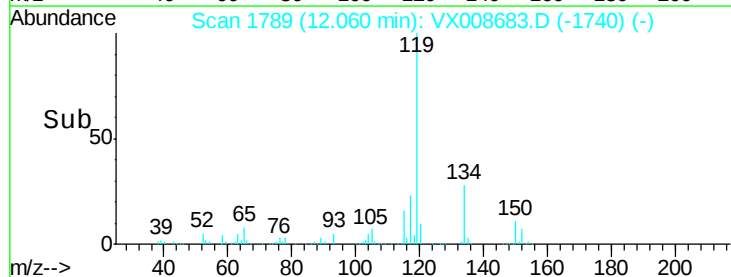
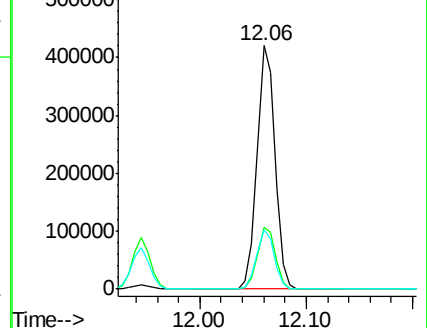
91 24.1 12.2 36.6

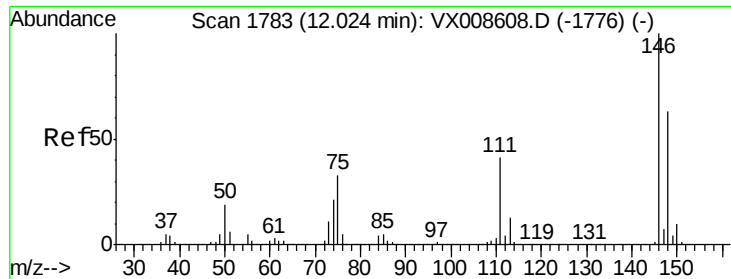


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 47.718 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

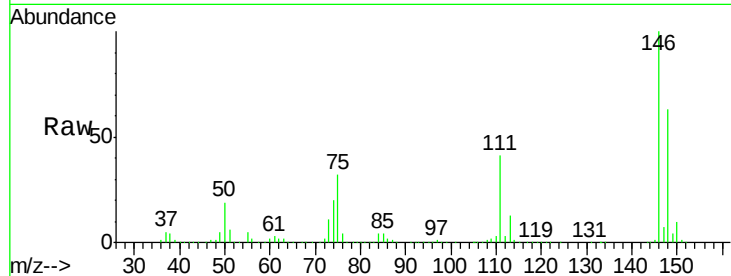
Tot Ion:146 Resp: 243639

Ion Ratio Lower Upper

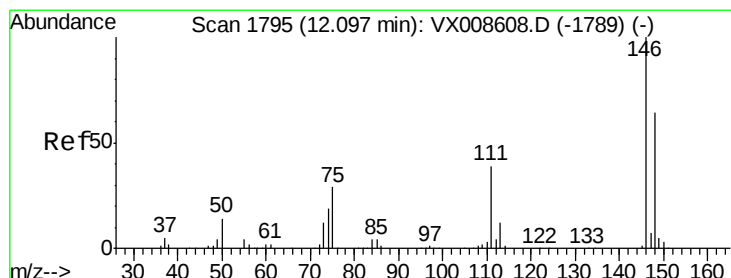
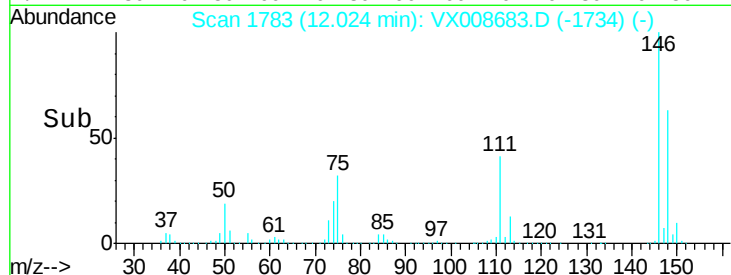
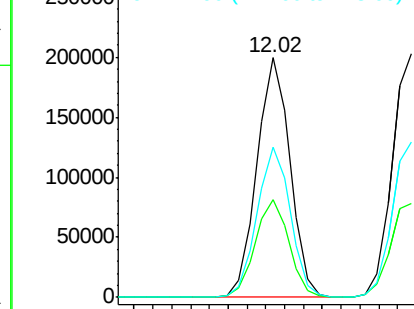
146 100

111 41.3 20.5 61.5

148 63.1 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 47.213 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

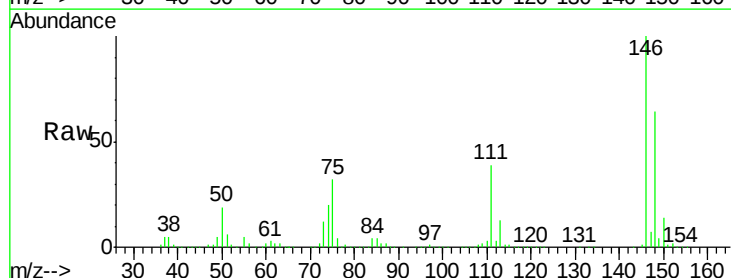
Tgt Ion:146 Resp: 244103

Ion Ratio Lower Upper

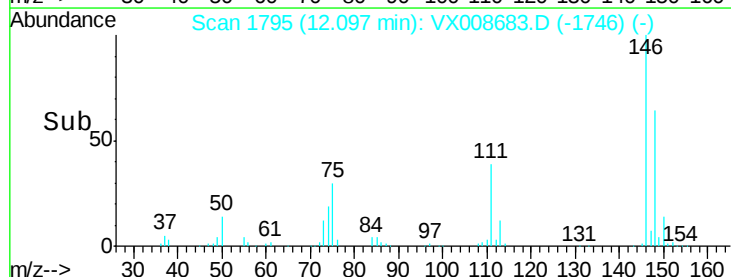
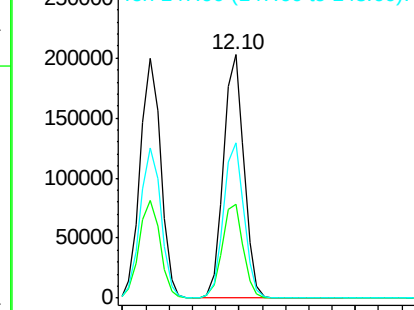
146 100

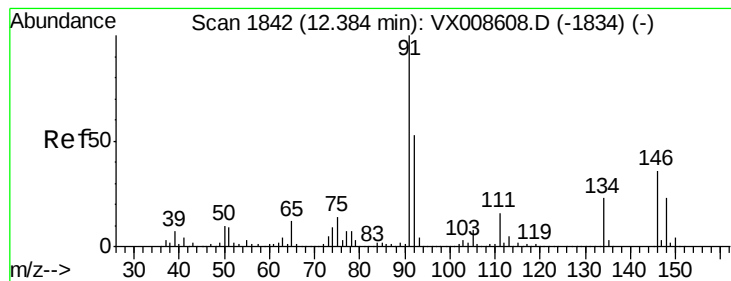
111 39.8 20.2 60.6

148 63.8 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 50.154 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

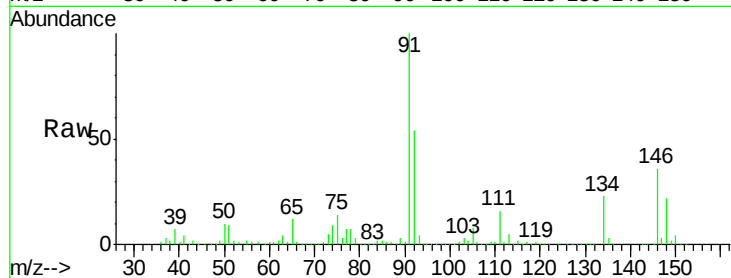
Tot Ion: 91 Resp: 480443

Ion Ratio Lower Upper

91 100

92 53.6 26.4 79.2

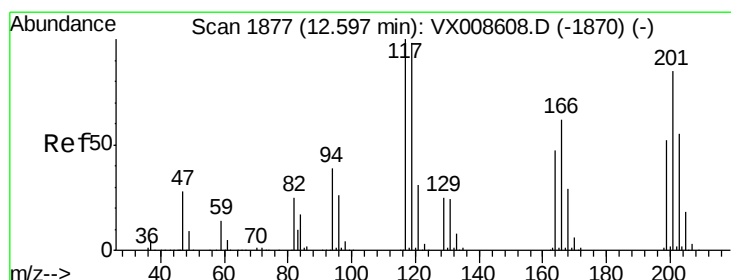
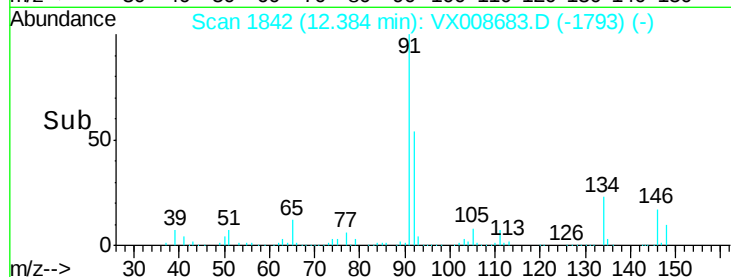
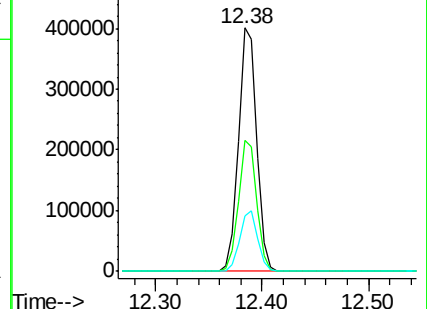
134 24.4 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX008608.D (-1834) (-)

Ion 92.00 (91.70 to 92.70): VX008608.D (-1834) (-)

Ion 134.00 (133.70 to 134.70): VX008608.D (-1834) (-)



#90

Hexachloroethane

Concen: 48.936 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX008683.D

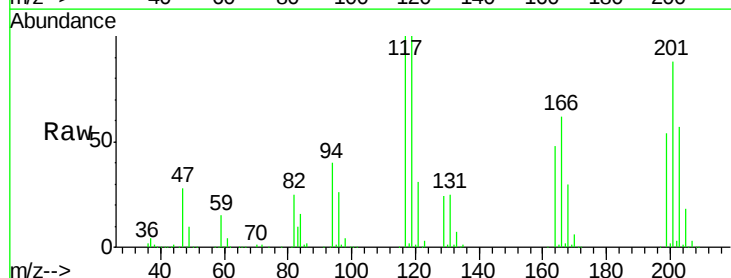
Acq: 05 Apr 2019 15:17

Tgt Ion: 117 Resp: 82906

Ion Ratio Lower Upper

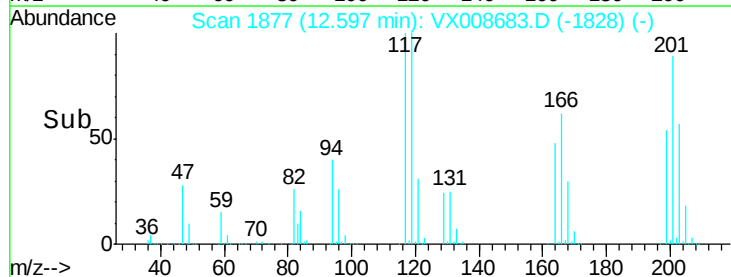
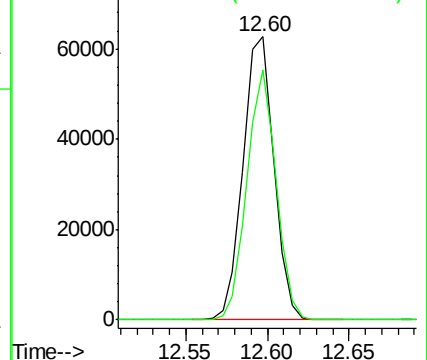
117 100

201 83.7 40.6 122.0



Abundance Ion 116.80 (116.50 to 117.50): VX008608.D (-1870) (-)

Ion 200.70 (200.40 to 201.40): VX008608.D (-1870) (-)

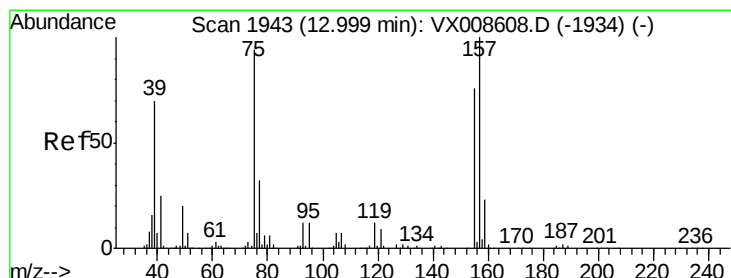
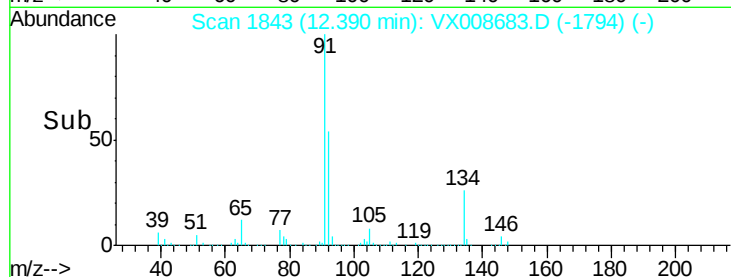
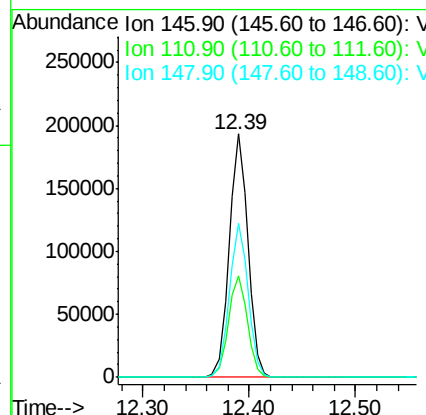
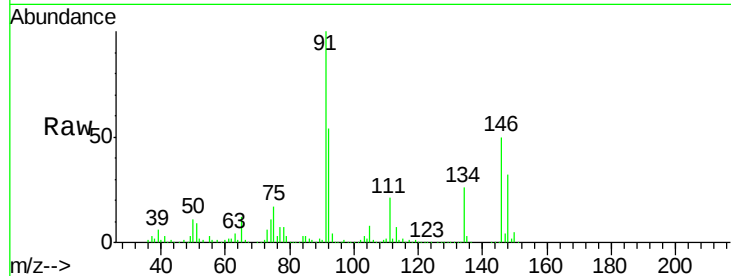




#91
 1,2-Dichlorobenzene
 Concen: 46.987 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008683.D
 Acq: 05 Apr 2019 15:17

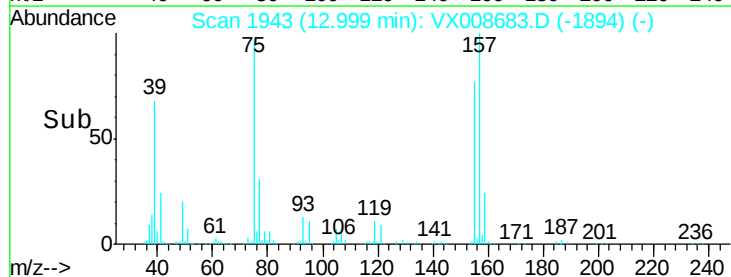
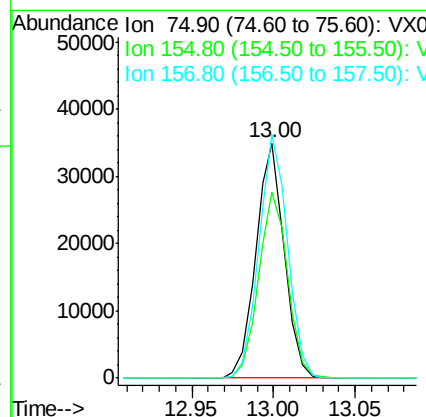
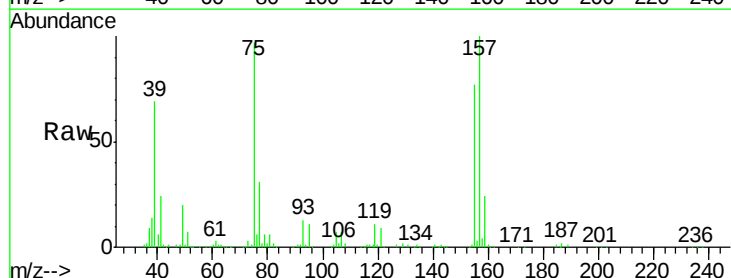
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

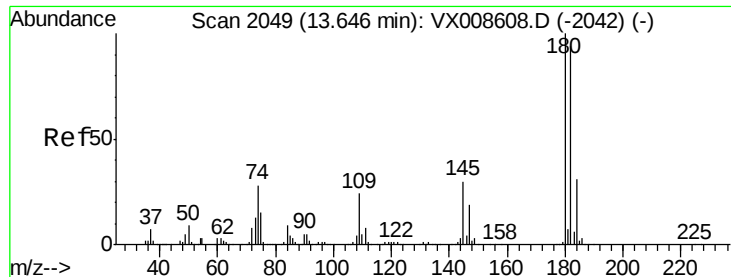
Tot Ion:146 Resp: 238198
 Ion Ratio Lower Upper
 146 100
 111 42.1 21.3 63.9
 148 63.4 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.503 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008683.D
 Acq: 05 Apr 2019 15:17

Tgt Ion: 75 Resp: 42187
 Ion Ratio Lower Upper
 75 100
 155 80.8 39.9 119.6
 157 104.7 51.5 154.7

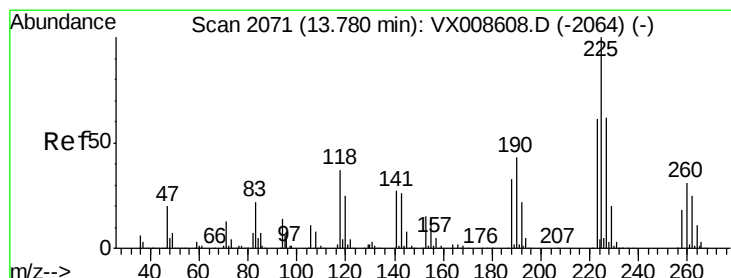
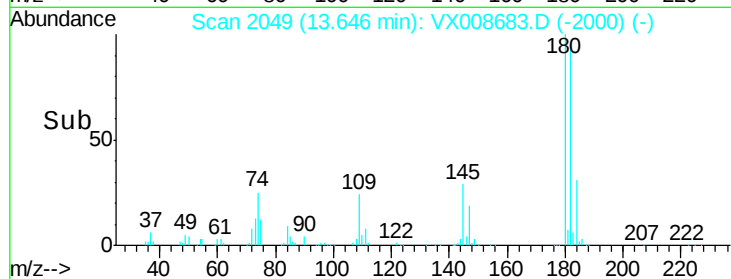
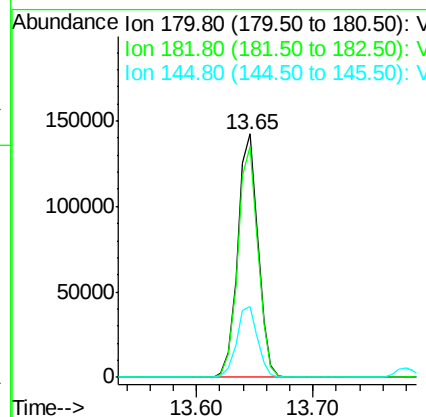
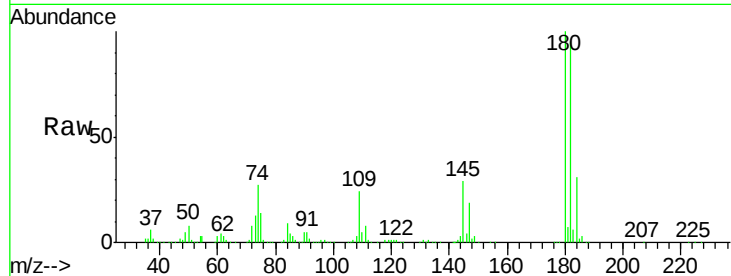




#93
 1,2,4-Trichlorobenzene
 Concen: 49.073 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008683.D
 Acq: 05 Apr 2019 15:17

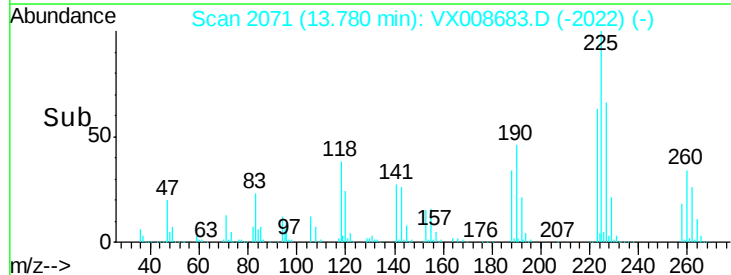
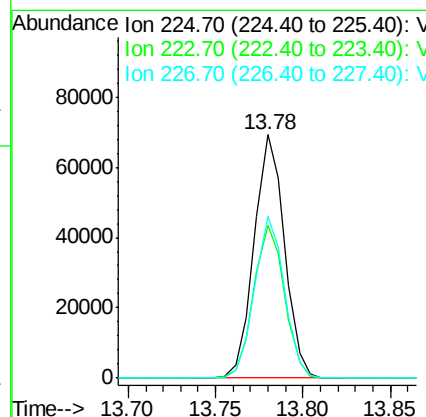
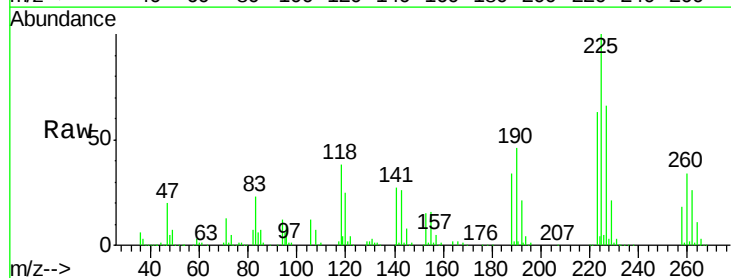
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

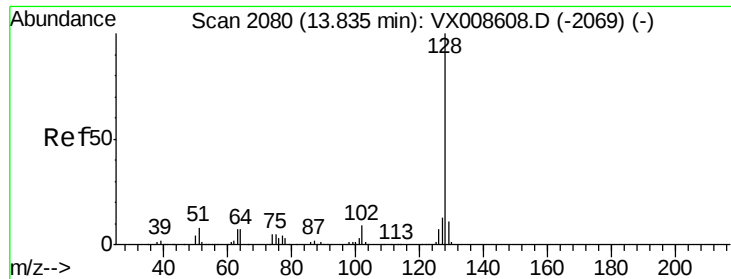
Tot Ion:180 Resp: 172972
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.2 141.6
 145 29.8 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: 49.411 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008683.D
 Acq: 05 Apr 2019 15:17

Tgt Ion:225 Resp: 83525
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.2 93.6
 227 65.4 31.9 95.5





#95

Naphthalene

Concen: 46.997 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

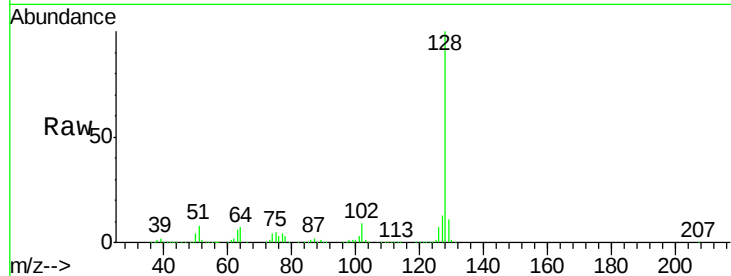
Tot Ion:128 Resp: 553649

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

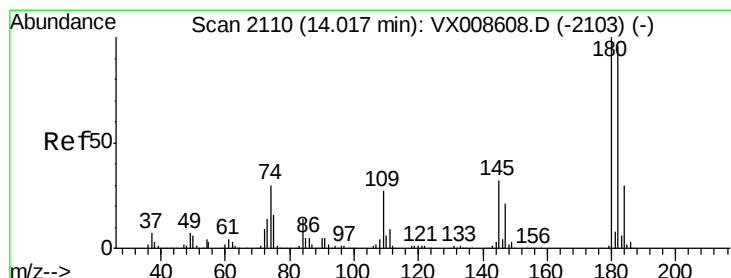
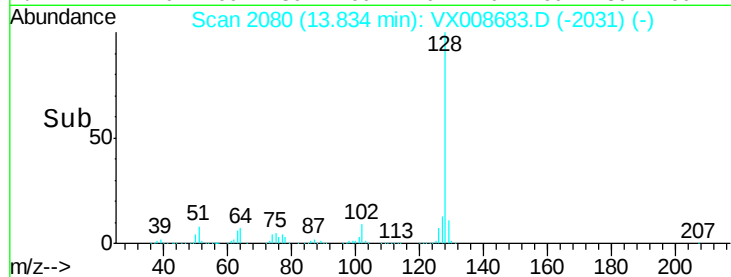
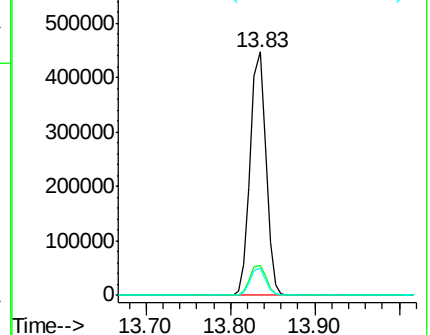
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.539 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008683.D

Acq: 05 Apr 2019 15:17

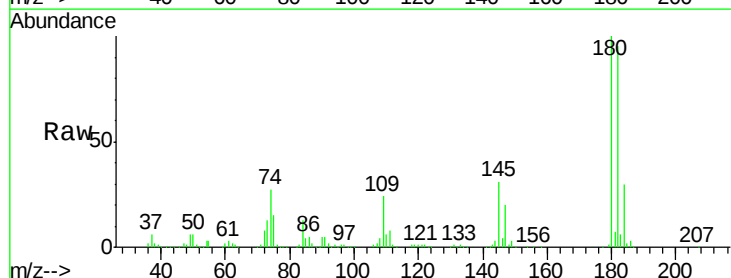
Tgt Ion:180 Resp: 170940

Ion Ratio Lower Upper

180 100

182 94.5 48.1 144.3

145 31.1 16.3 48.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

