

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081318\
 Data File : VX004010.D
 Acq On : 13 Aug 2018 19:40
 Operator : JC/MD
 Sample : J4429-06MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0540MS

Quant Time: Aug 14 03:11:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 13 01:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	303175	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	469234	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	436215	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	278615	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	205678	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
35) Dibromofluoromethane	5.51	113	167409	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	
50) Toluene-d8	8.72	98	661807	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
62) 4-Bromofluorobenzene	11.14	95	249875	55.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	150815	49.09	ug/l	98
3) Chloromethane	1.32	50	181849	43.50	ug/l	100
4) Vinyl Chloride	1.40	62	199748	47.92	ug/l	99
5) Bromomethane	1.64	94	94658	35.65	ug/l	99
6) Chloroethane	1.72	64	138973	52.11	ug/l	97
7) Trichlorofluoromethane	1.93	101	275606	50.08	ug/l	96
8) Diethyl Ether	2.18	74	122893	49.67	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	171933	49.98	ug/l	100
10) Methyl Iodide	2.51	142	160752	37.56	ug/l	100
11) Tert butyl alcohol	3.05	59	203363	210.58	ug/l #	73
12) 1,1-Dichloroethene	2.37	96	161366	49.59	ug/l	98
13) Acrolein	2.29	56	99158	186.28	ug/l	98
14) Allyl chloride	2.73	41	308054	49.11	ug/l	97
15) Acrylonitrile	3.14	53	616123	267.37	ug/l	94
16) Acetone	2.44	43	561205	234.72	ug/l	100
17) Carbon Disulfide	2.57	76	417370	42.04	ug/l	100
18) Methyl Acetate	2.77	43	269544	51.78	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	596051	51.69	ug/l #	1
20) Methylene Chloride	2.86	84	205960	35.53	ug/l #	93
21) trans-1,2-Dichloroethene	3.17	96	178182	48.23	ug/l	99
22) Diisopropyl ether	3.87	45	614545	53.30	ug/l	99
23) Vinyl Acetate	3.82	43	2424603	252.72	ug/l	100
24) 1,1-Dichloroethane	3.70	63	342761	50.04	ug/l	100
25) 2-Butanone	4.70	43	921607	256.38	ug/l	98
26) 2,2-Dichloropropane	4.59	77	233211	47.21	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	208705	52.07	ug/l	97
28) Bromochloromethane	5.02	49	151065	51.54	ug/l	96
29) Tetrahydrofuran	5.15	42	470093	254.43	ug/l	98
30) Chloroform	5.22	83	346560	53.75	ug/l	93
31) Cyclohexane	5.58	56	1436175	247.94	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	284879	52.68	ug/l	99
36) 1,1-Dichloropropene	5.80	75	253234	48.18	ug/l	100
37) Ethyl Acetate	4.85	43	272548	47.14	ug/l	99
38) Carbon Tetrachloride	5.79	117	250553	50.09	ug/l	97

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 13 01:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	1551356	250.37	ug/l	99
40) Benzene	6.15	78	790376	50.08	ug/l	99
41) Methacrylonitrile	5.06	41	158825	49.88	ug/l	100
42) 1,2-Dichloroethane	6.20	62	276755	51.87	ug/l	97
43) Isopropyl Acetate	6.46	43	458481	52.70	ug/l	98
44) Trichloroethene	7.21	130	211049	48.90	ug/l	95
45) 1,2-Dichloropropane	7.52	63	203552	49.95	ug/l	99
46) Dibromomethane	7.67	93	134157	50.71	ug/l	99
47) Bromodichloromethane	7.90	83	262287	52.62	ug/l	99
48) Methyl methacrylate	7.78	41	222361	50.28	ug/l	97
49) 1,4-Dioxane	7.76	88	89264	856.85	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	1874787	259.99	ug/l	100
52) Toluene	8.79	92	510903	51.24	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	295892	52.52	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	312744	51.48	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	205663	50.47	ug/l	99
56) Ethyl methacrylate	9.18	69	331609	56.09	ug/l	96
57) 1,3-Dichloropropane	9.37	76	354678	52.01	ug/l	99
59) 2-Hexanone	9.50	43	1412920	262.13	ug/l	100
60) Dibromochloromethane	9.59	129	211644	55.71	ug/l	100
61) 1,2-Dibromoethane	9.68	107	219537	53.81	ug/l	99
64) Tetrachloroethene	9.34	164	197911	46.12	ug/l	94
65) Chlorobenzene	10.14	112	550360	48.49	ug/l	90
66) 1,1,1,2-Tetrachloroethane	10.23	131	204632	52.44	ug/l	99
67) Ethyl Benzene	10.26	91	2507168	134.94	ug/l	100
68) m/p-Xylenes	10.36	106	1356942	186.90	ug/l	92
69) o-Xylene	10.70	106	382442	55.80	ug/l	95
70) Styrene	10.71	104	625005	55.70	ug/l	99
71) Bromoform	10.86	173	166375	57.02	ug/l	98
73) Isopropylbenzene	11.02	105	1626318	78.91	ug/l	96
74) N-amyl acetate	6.46	43	458481	42.78	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	336543	47.64	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	381105	61.93	ug/l	84
77) Bromobenzene	11.26	156	265815	48.34	ug/l	98
78) n-propylbenzene	11.36	91	2416434	104.41	ug/l	99
79) 2-Chlorotoluene	11.42	91	729345	51.69	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	2191514	130.40	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	93039	46.08	ug/l	98
82) 4-Chlorotoluene	11.51	91	939824	56.85	ug/l	92
83) tert-Butylbenzene	11.77	119	863953	52.25	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	4953972	293.16	ug/l	95
85) sec-Butylbenzene	11.94	105	1134905	58.16	ug/l	98
86) p-Isopropyltoluene	12.07	119	1053868	60.19	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	502116	49.40	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	502683	47.68	ug/l	99
89) n-Butylbenzene	12.39	91	868818	56.94	ug/l #	89
90) Hexachloroethane	12.60	117	173570	61.05	ug/l	71
91) 1,2-Dichlorobenzene	12.39	146	459670	45.63	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	65181	45.04	ug/l	95
93) 1,2,4-Trichlorobenzene	13.65	180	343710	47.44	ug/l	97

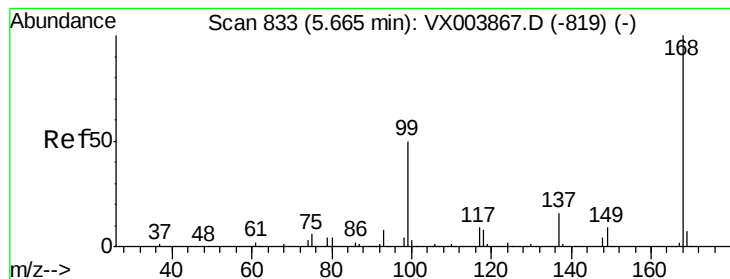
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081318\
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Quant Title : SW846 8260
QLast Update : Mon Aug 13 01:34:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	144268	42.51	ug/l	97
95) Naphthalene	13.83	128	1548361	74.61	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	373056	51.59	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampleId :

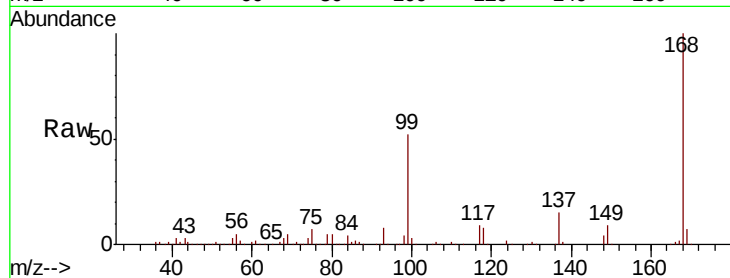
FL-0540MS

Tot Ion:168 Resp: 303175

Ion Ratio Lower Upper

168 100

99 51.3 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

60000

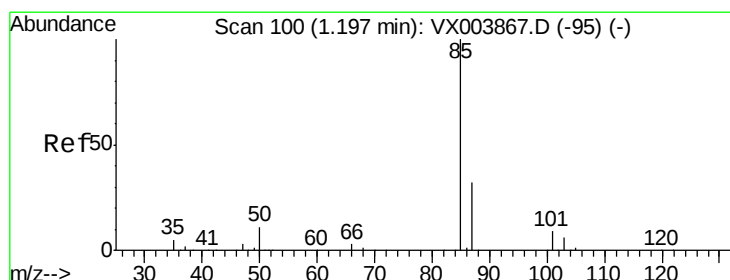
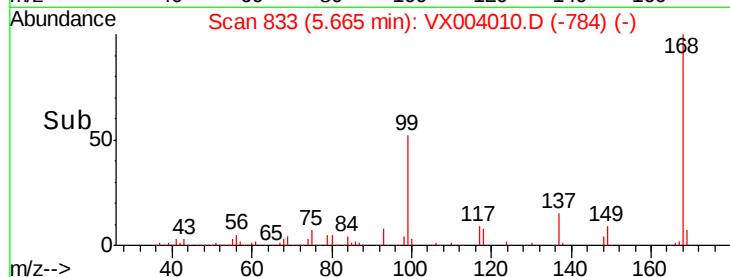
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 49.09 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX004010.D

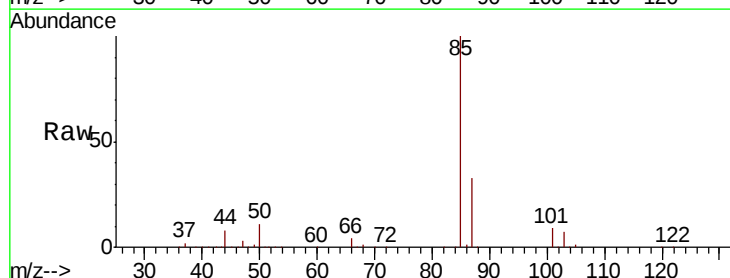
Acq: 13 Aug 2018 19:40

Tgt Ion: 85 Resp: 150815

Ion Ratio Lower Upper

85 100

87 33.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

150000

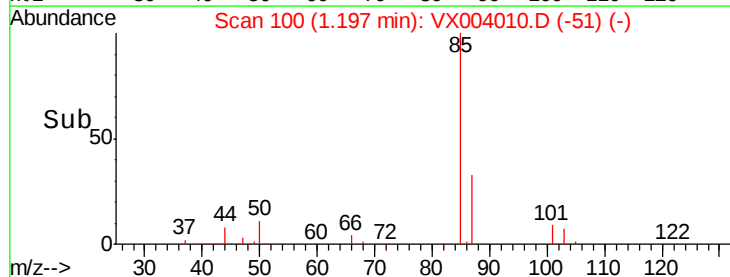
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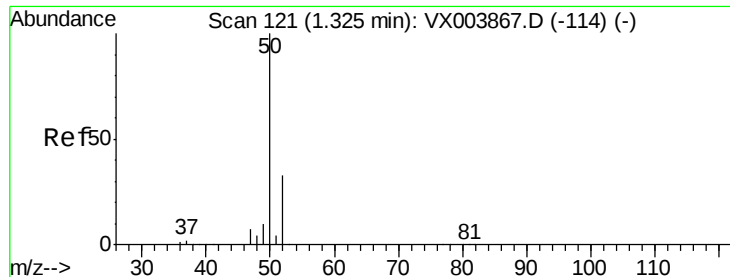
50000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 43.50 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampleId :

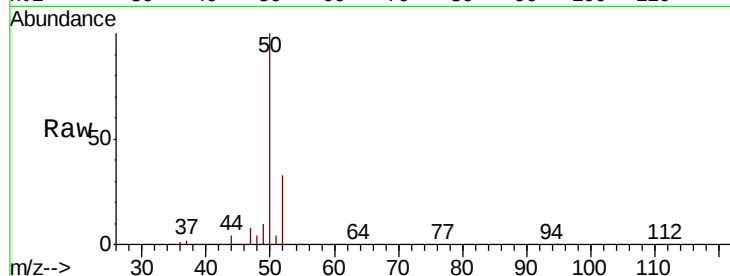
FL-0540MS

Tot Ion: 50 Resp: 181849

Ion Ratio Lower Upper

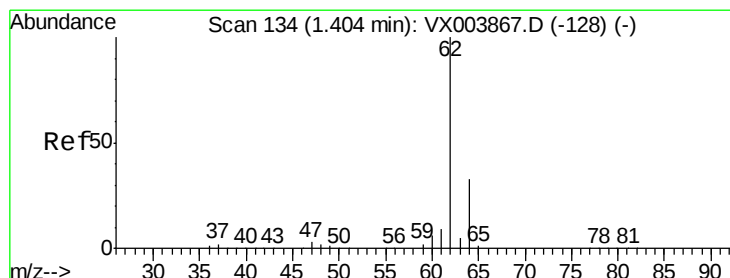
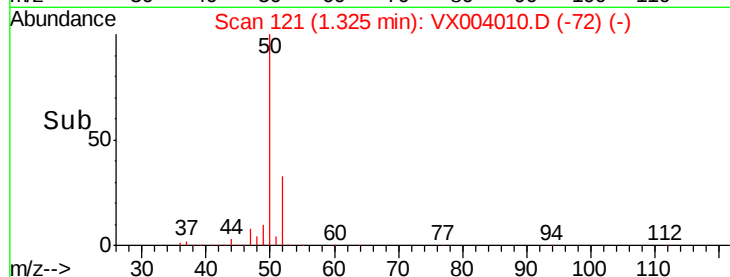
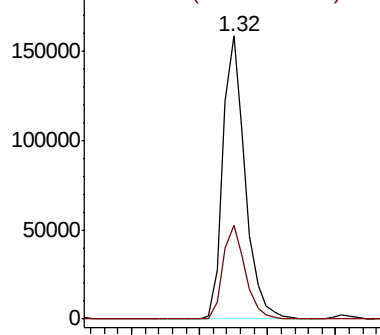
50 100

52 33.2 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 47.92 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX004010.D

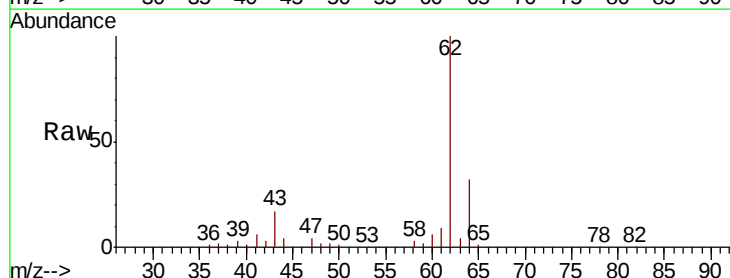
Acq: 13 Aug 2018 19:40

Tgt Ion: 62 Resp: 199748

Ion Ratio Lower Upper

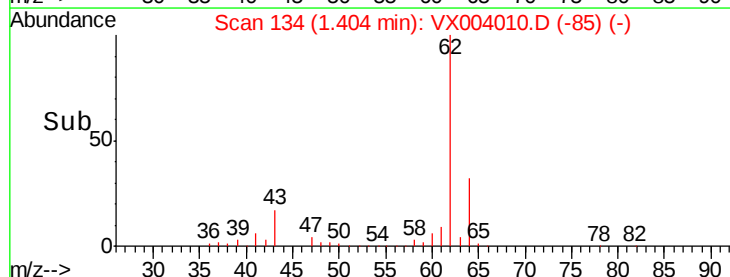
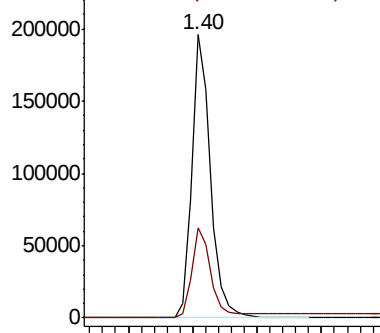
62 100

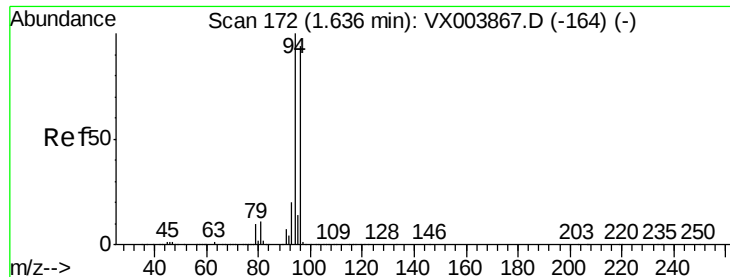
64 31.7 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 35.65 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampled :

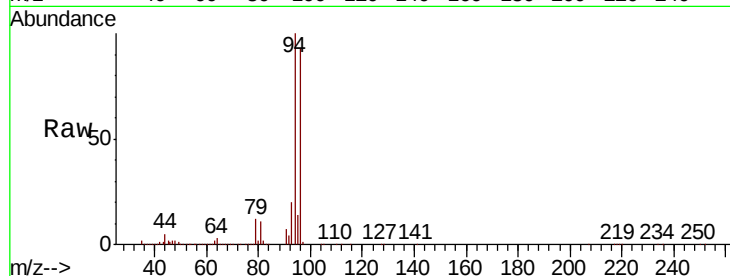
FL-0540MS

Tot Ion: 94 Resp: 94658

Ion Ratio Lower Upper

94 100

96 93.4 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

100000

80000

60000

40000

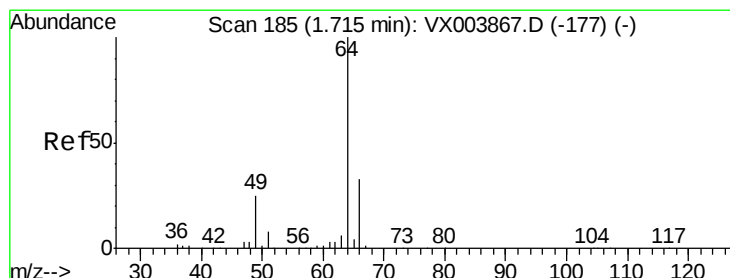
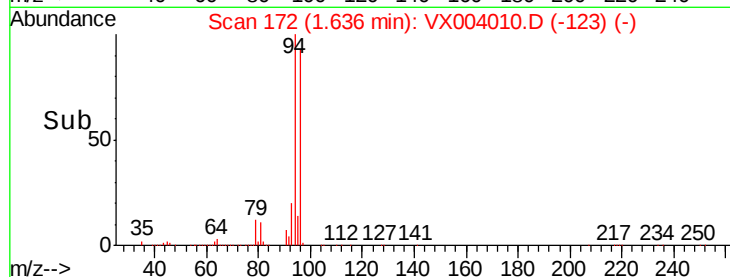
20000

0

1.64

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 52.11 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX004010.D

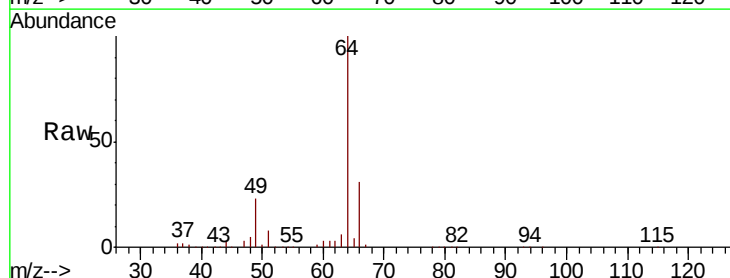
Acq: 13 Aug 2018 19:40

Tgt Ion: 64 Resp: 138973

Ion Ratio Lower Upper

64 100

66 31.6 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

120000

100000

80000

60000

40000

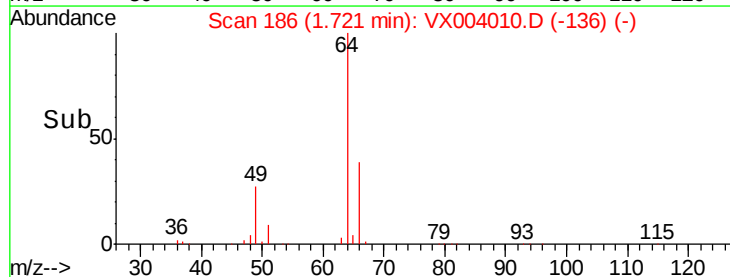
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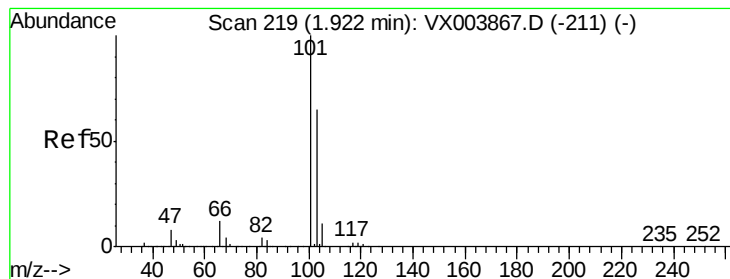
0

1.72

1.70 1.80

Time-->



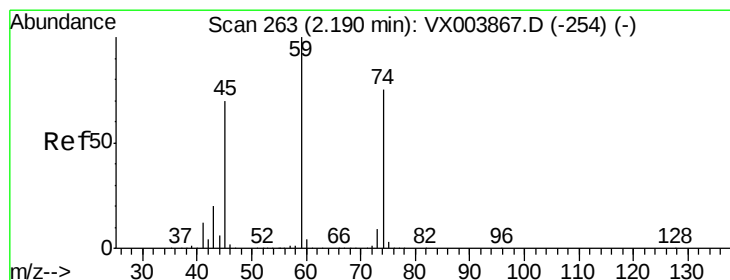
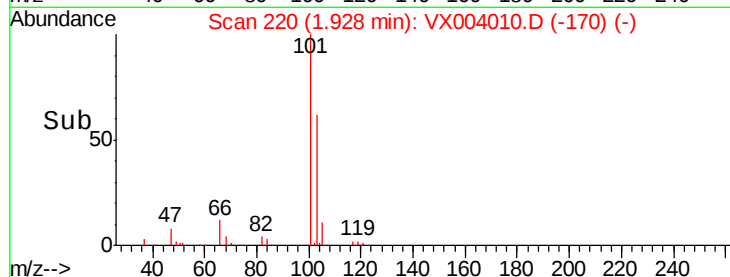
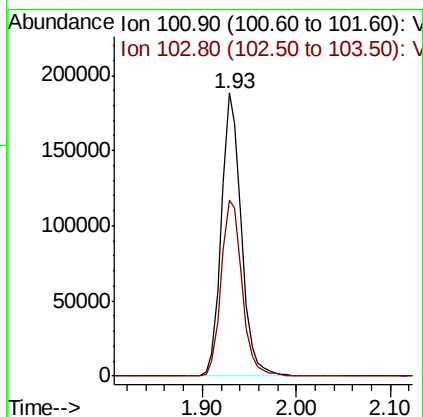
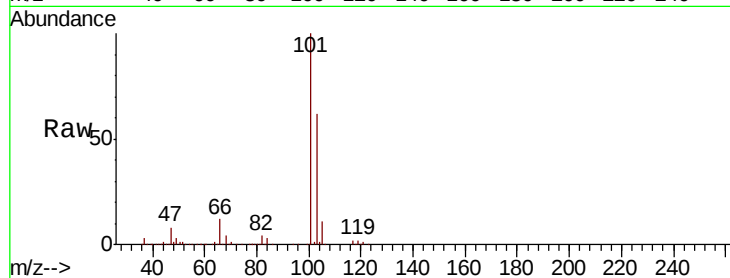


#7

Trichlorofluoromethane
 Concen: 50.08 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX004010.D
 Acq: 13 Aug 2018 19:40

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0540MS

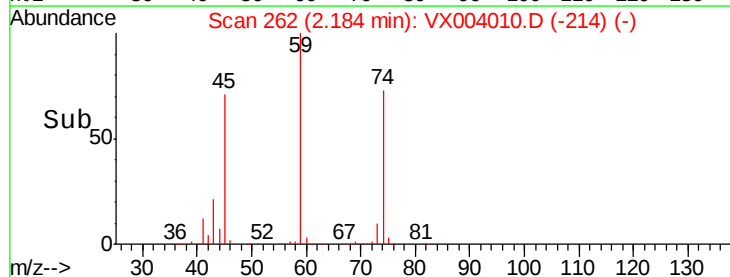
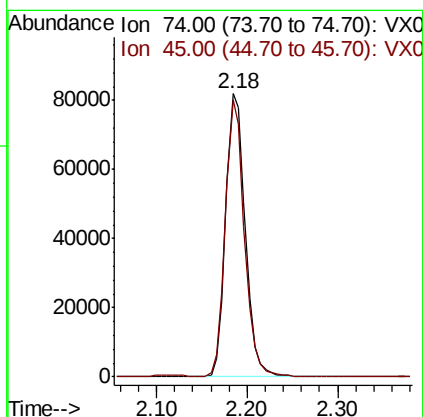
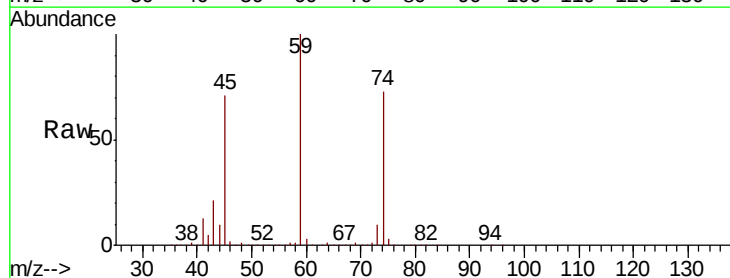
Tot Ion:101 Resp: 275606
 Ion Ratio Lower Upper
 101 100
 103 61.9 52.3 78.5

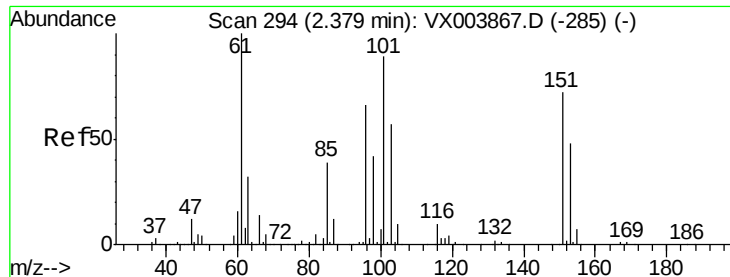


#8

Diethyl Ether
 Concen: 49.67 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.01 min
 Lab File: VX004010.D
 Acq: 13 Aug 2018 19:40

Tgt Ion: 74 Resp: 122893
 Ion Ratio Lower Upper
 74 100
 45 94.8 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.98 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampleId :

FL-0540MS

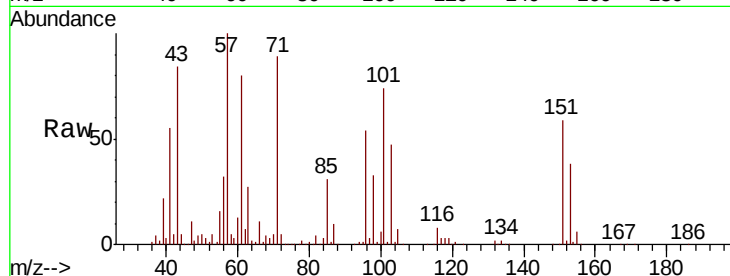
Tot Ion:101 Resp: 171933

Ion Ratio Lower Upper

101 100

85 42.8 34.2 51.4

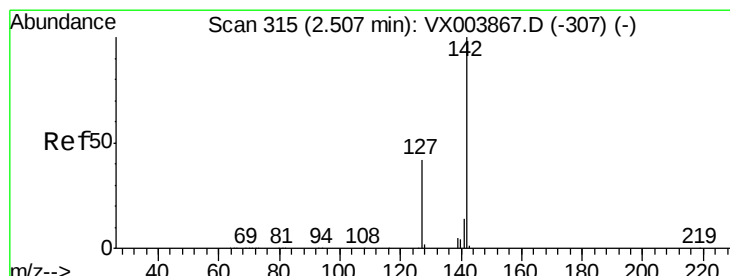
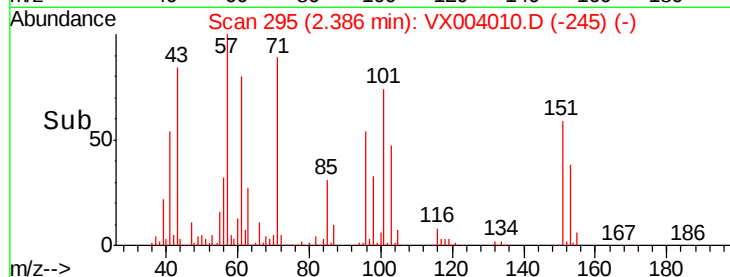
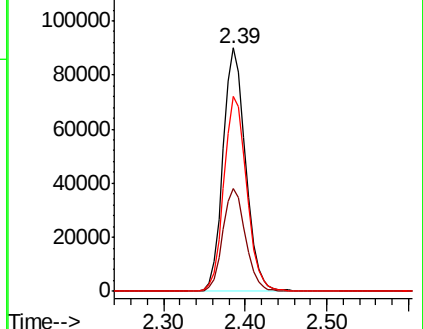
151 80.8 65.0 97.4



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: 37.56 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

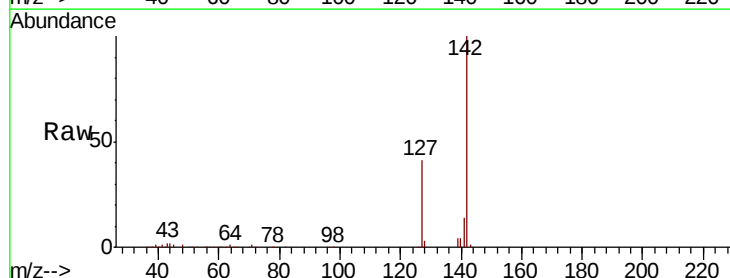
Tgt Ion:142 Resp: 160752

Ion Ratio Lower Upper

142 100

127 41.2 33.1 49.7

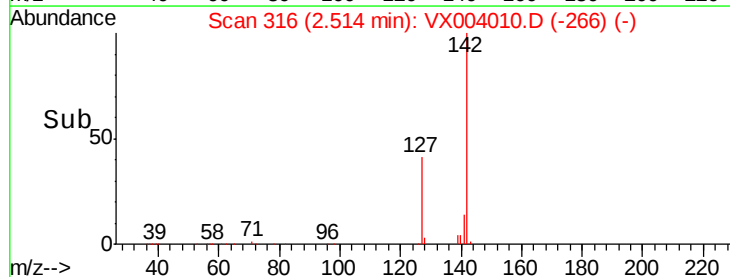
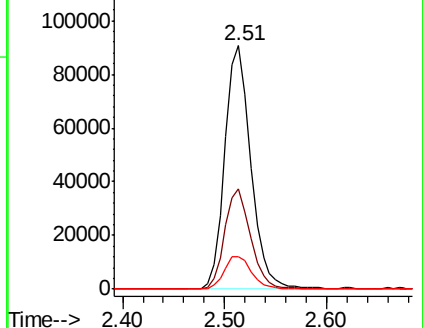
141 14.1 11.1 16.7

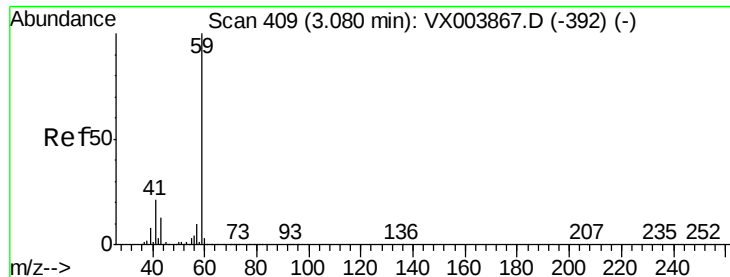


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



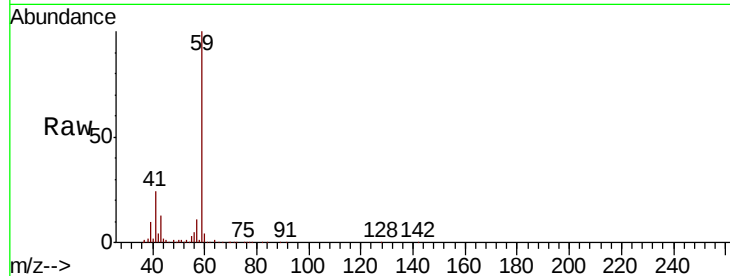


#11

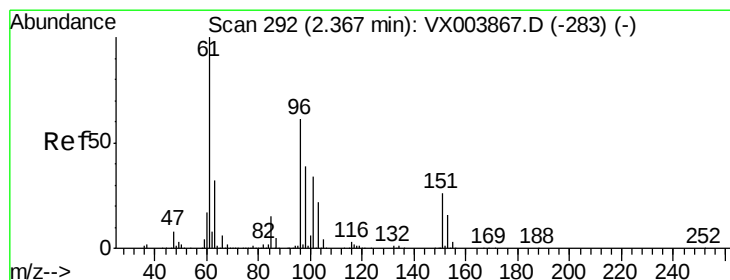
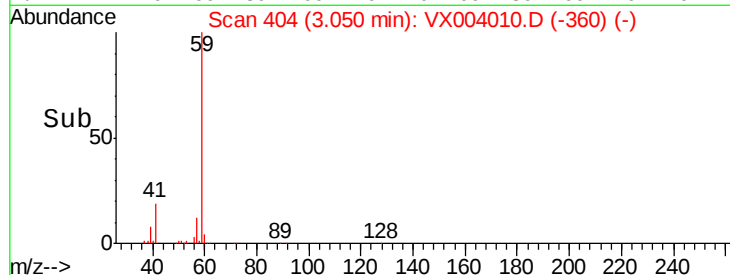
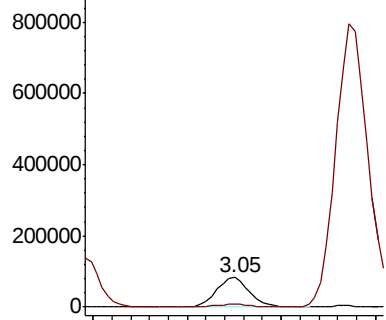
Tert butyl alcohol
Concen: 210.58 ug/l
RT: 3.05 min Scan# 404
Delta R.T. -0.03 min
Lab File: VX004010.D
Acq: 13 Aug 2018 19:40

Instrument :
MSVOA_X
ClientSampleId :
FL-0540MS

Tot Ion: 59 Resp: 203363
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



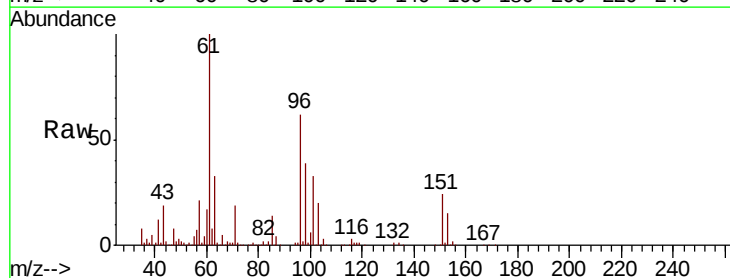
Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0



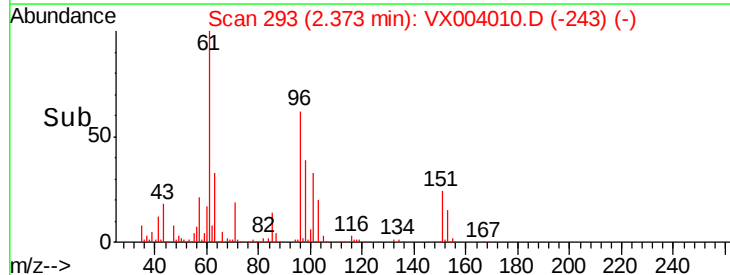
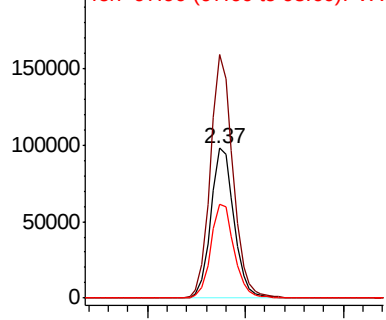
#12

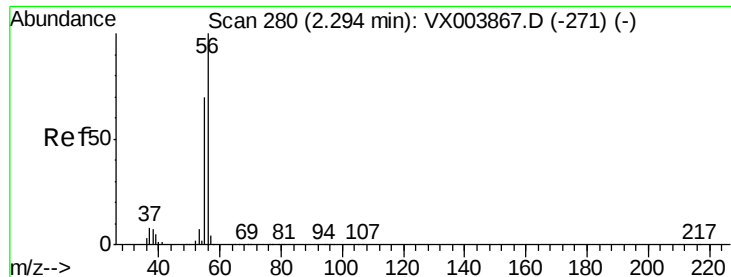
1,1-Dichloroethene
Concen: 49.59 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX004010.D
Acq: 13 Aug 2018 19:40

Tgt Ion: 96 Resp: 161366
Ion Ratio Lower Upper
96 100
61 162.3 131.3 196.9
98 62.6 51.8 77.6



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





#13

Acrolein

Concen: 186.28 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampleId :

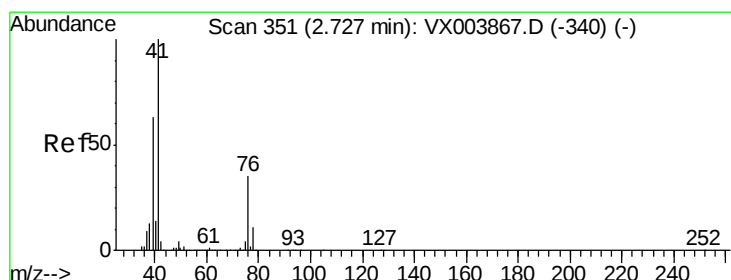
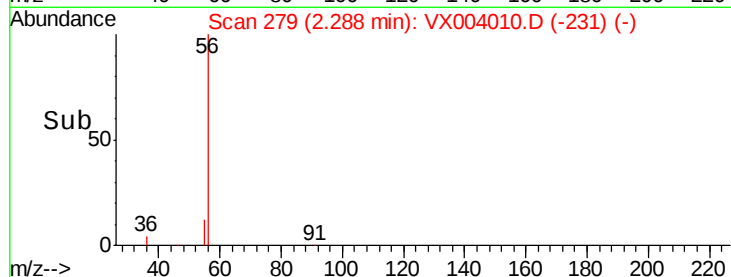
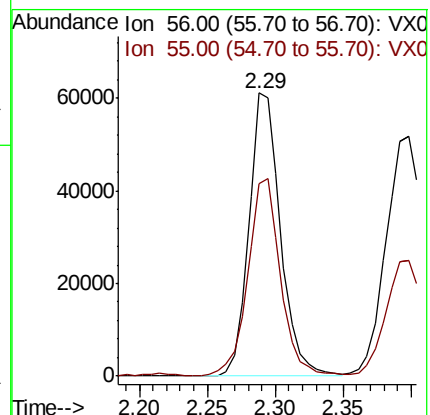
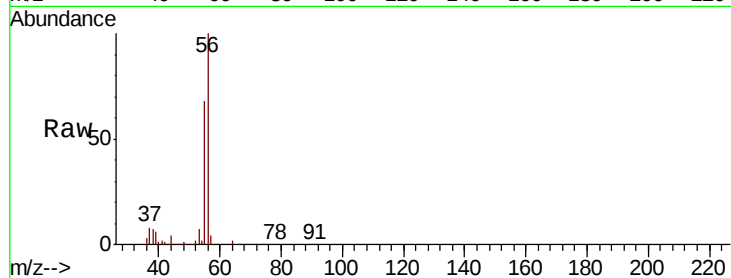
FL-0540MS

Tot Ion: 56 Resp: 99158

Ion Ratio Lower Upper

56 100

55 71.7 56.1 84.1



#14

Allyl chloride

Concen: 49.11 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

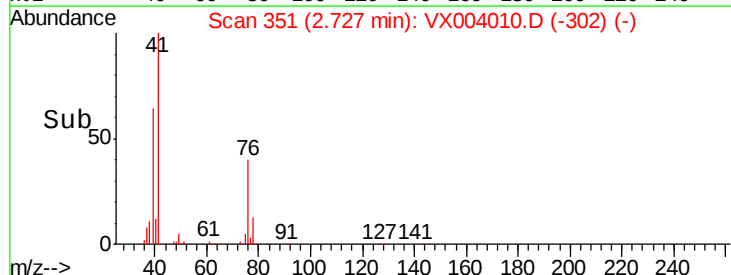
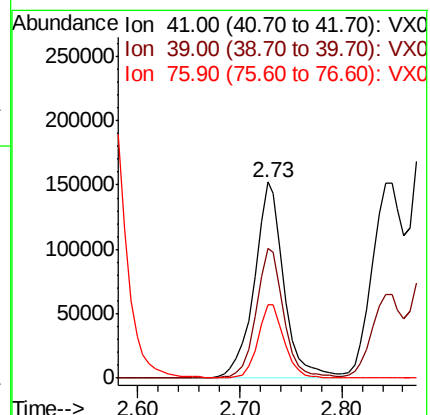
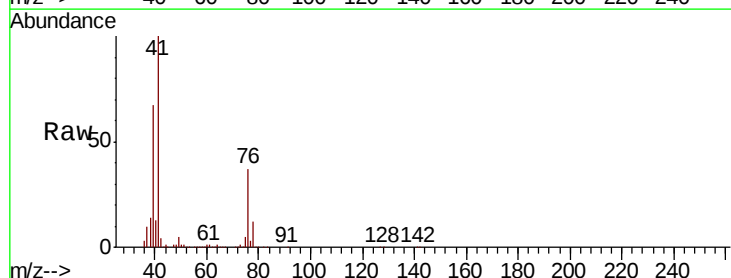
Tgt Ion: 41 Resp: 308054

Ion Ratio Lower Upper

41 100

39 61.7 47.4 71.0

76 33.4 26.0 39.0





#15

Acrylonitrile

Concen: 267.37 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampled :

FL-0540MS

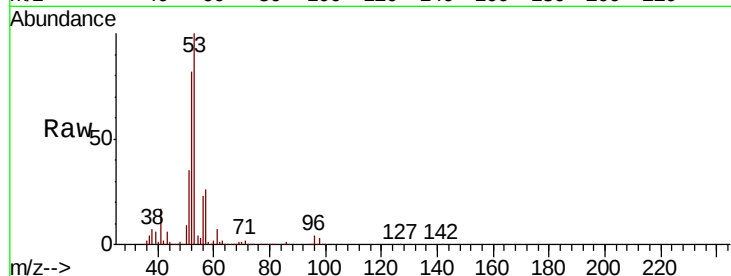
Tot Ion: 53 Resp: 616123

Ion Ratio Lower Upper

53 100

52 75.4 65.3 97.9

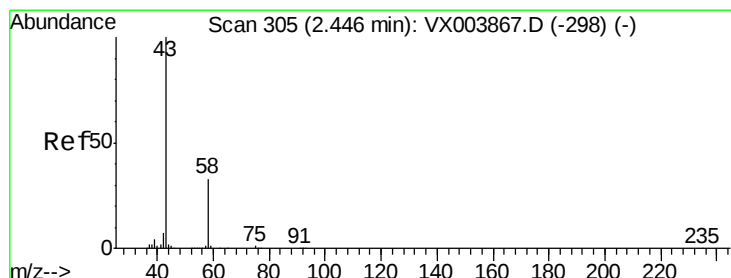
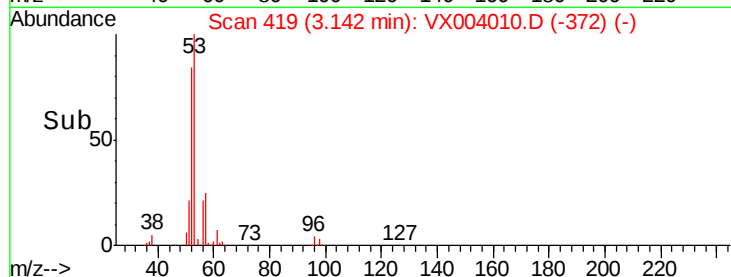
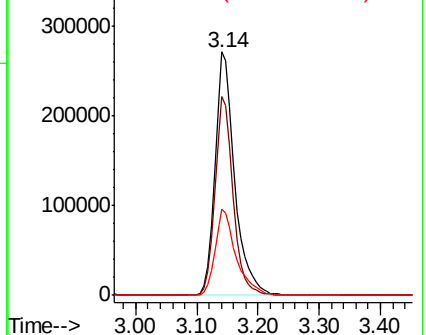
51 37.4 27.9 41.9



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 234.72 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.01 min

Lab File: VX004010.D

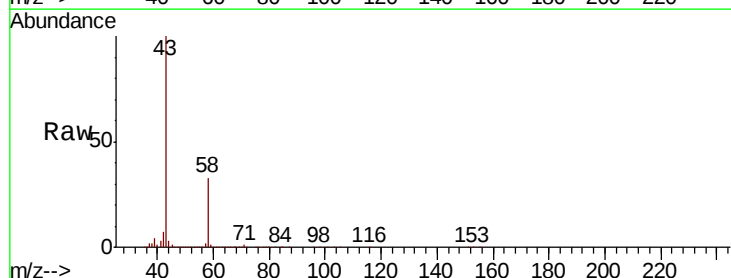
Acq: 13 Aug 2018 19:40

Tgt Ion: 43 Resp: 561205

Ion Ratio Lower Upper

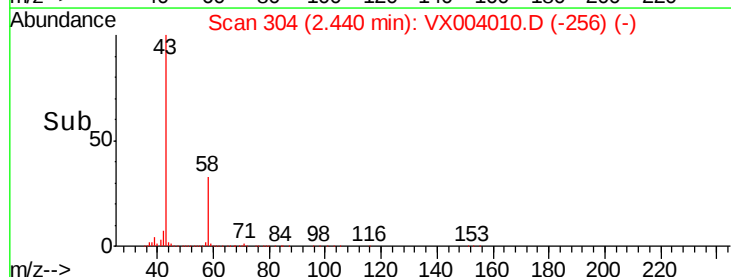
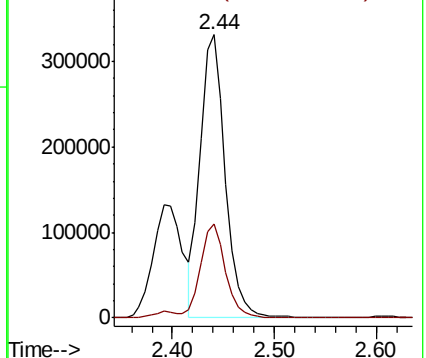
43 100

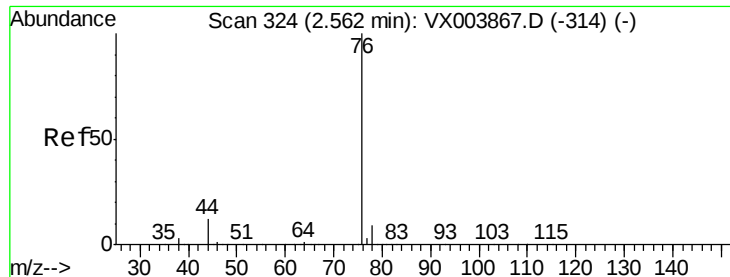
58 33.3 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 42.04 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampleId :

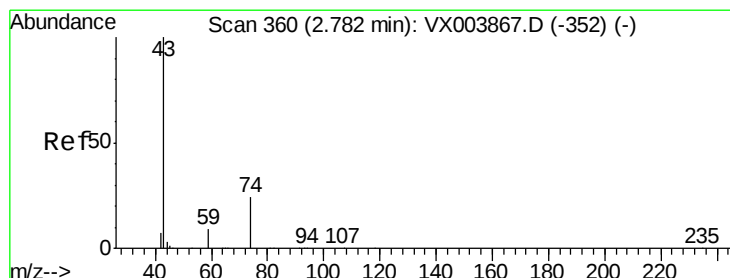
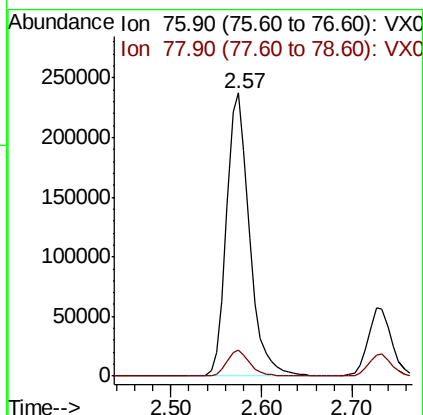
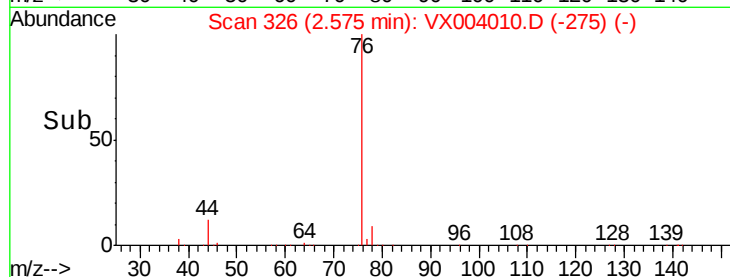
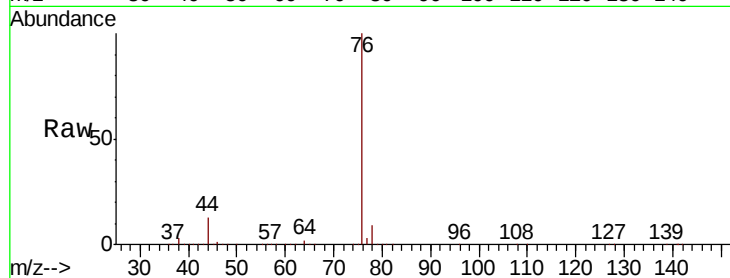
FL-0540MS

Tot Ion: 76 Resp: 417370

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3



#18

Methyl Acetate

Concen: 51.78 ug/l

RT: 2.77 min Scan# 358

Delta R.T. -0.01 min

Lab File: VX004010.D

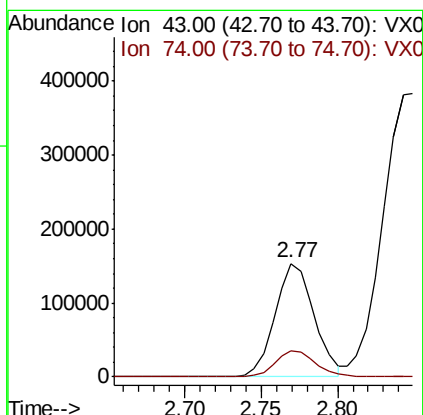
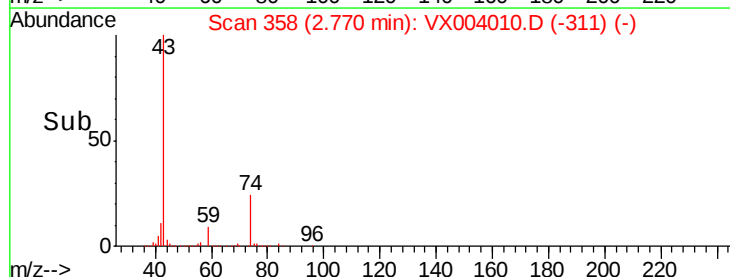
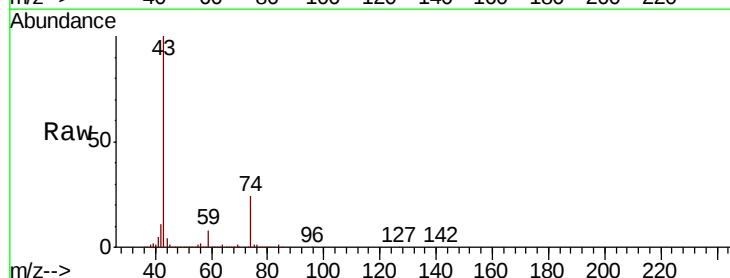
Acq: 13 Aug 2018 19:40

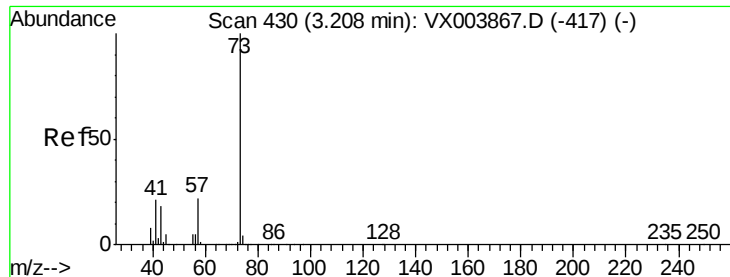
Tgt Ion: 43 Resp: 269544

Ion Ratio Lower Upper

43 100

74 24.4 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 51.69 ug/l

RT: 3.20 min Scan# 428

Delta R.T. -0.01 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampleID :

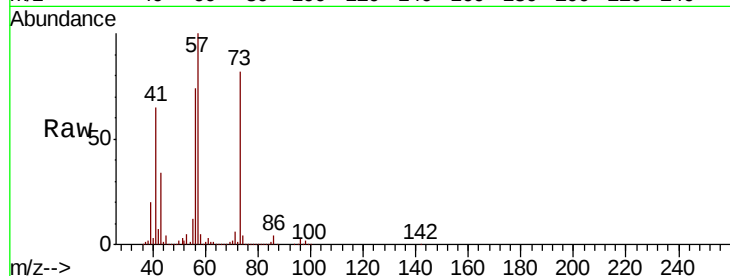
FL-0540MS

Tot Ion: 73 Resp: 596051

Ion Ratio Lower Upper

73 100

57 121.2 18.0 27.0#



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

800000

600000

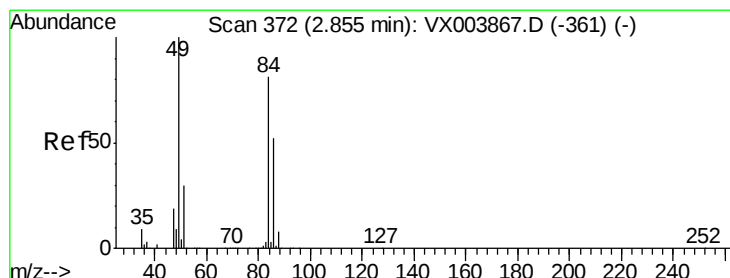
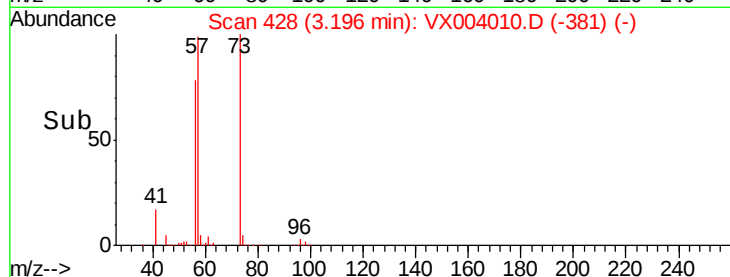
400000

200000

0

3.10 3.20 3.30 3.40

Time-->



#20

Methylene Chloride

Concen: 35.53 ug/l

RT: 2.86 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

Tgt Ion: 84 Resp: 205960

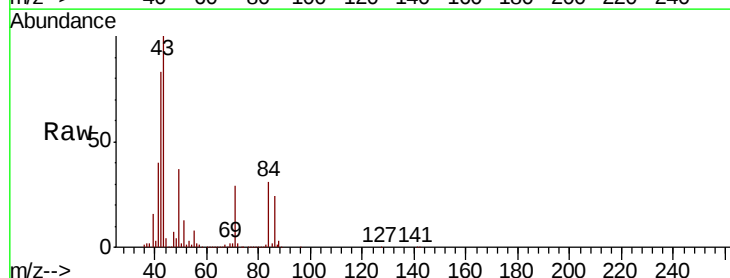
Ion Ratio Lower Upper

84 100

49 121.7 98.9 148.3

51 41.3 29.9 44.9

86 78.4 51.0 76.6#



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

150000

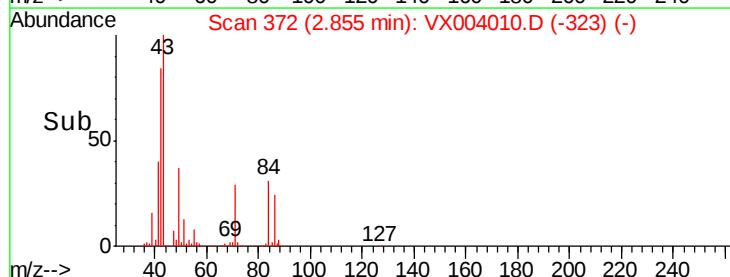
100000

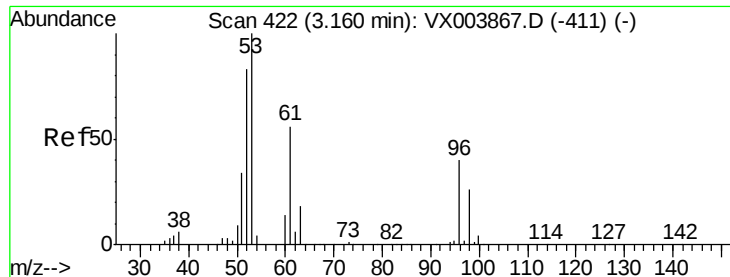
50000

0

2.80 2.85 2.90 2.95

Time-->





#21

trans-1,2-Dichloroethene

Concen: 48.23 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampleId :

FL-0540MS

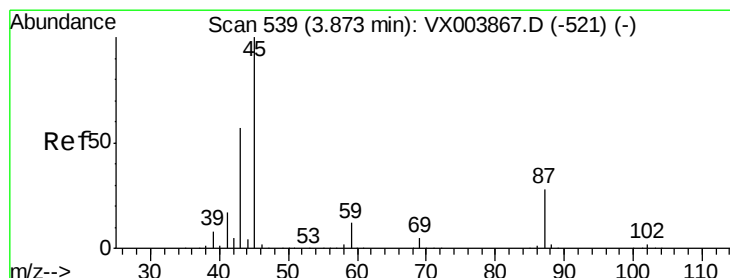
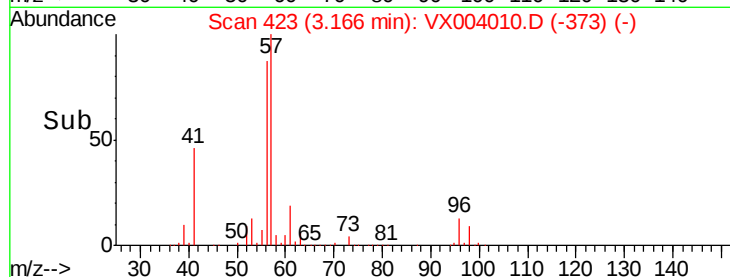
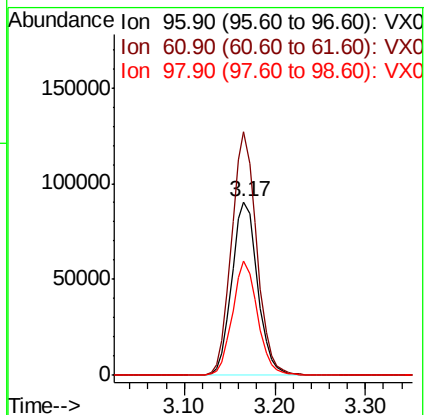
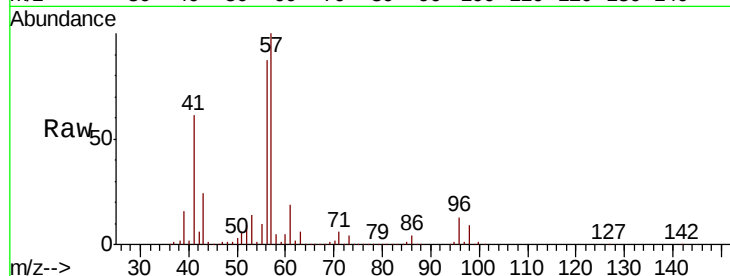
Tot Ion: 96 Resp: 178182

Ion Ratio Lower Upper

96 100

61 140.2 111.8 167.6

98 66.1 51.8 77.6



#22

Diisopropyl ether

Concen: 53.30 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.01 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

Tgt Ion: 45 Resp: 614545

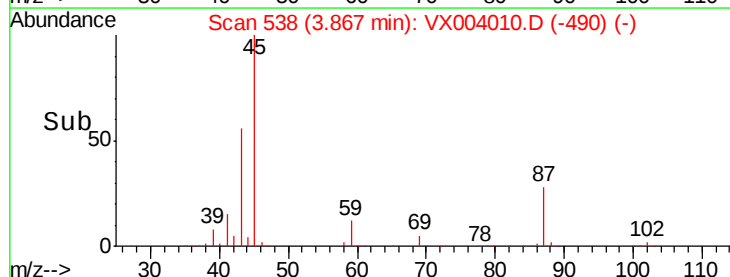
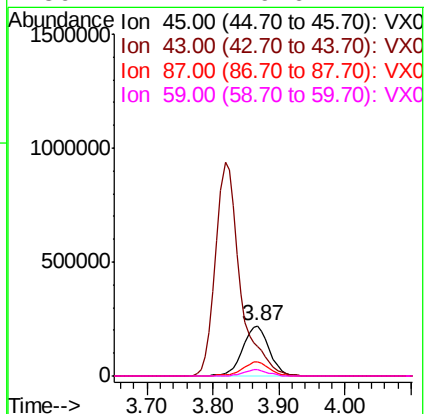
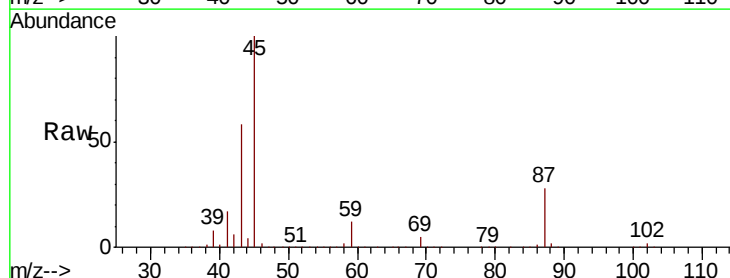
Ion Ratio Lower Upper

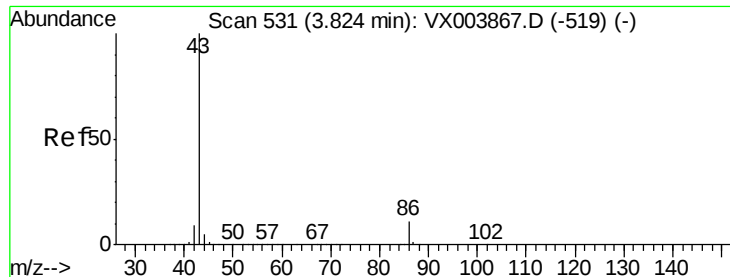
45 100

43 57.3 45.3 67.9

87 27.9 22.7 34.1

59 12.1 9.6 14.4





#23

Vinyl Acetate

Concen: 252.72 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.01 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampled :

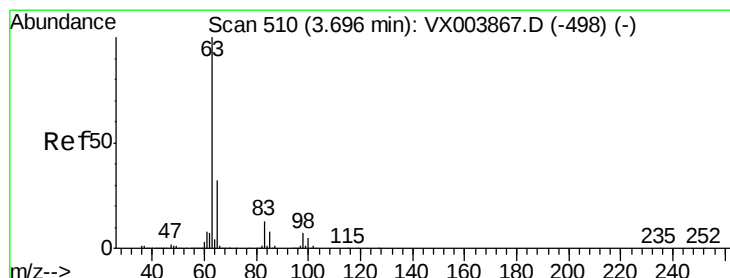
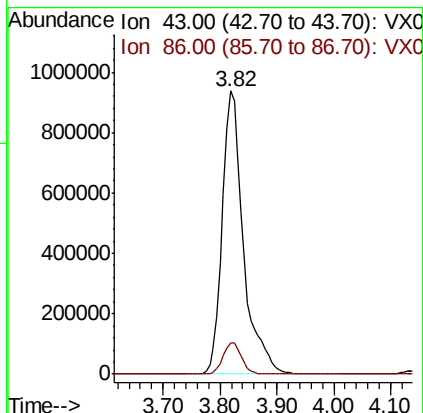
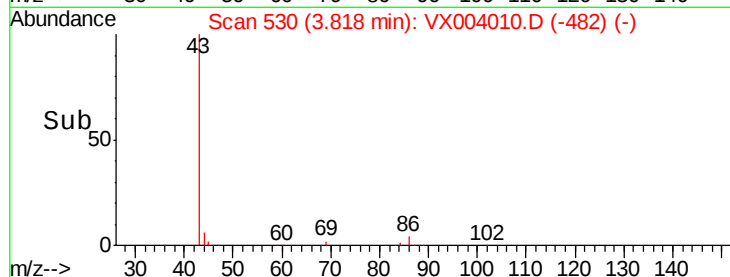
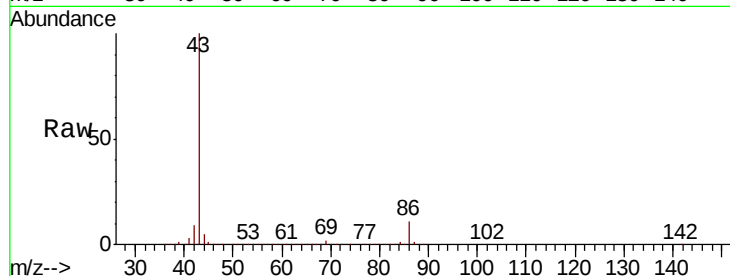
FL-0540MS

Tot Ion: 43 Resp: 2424603

Ion Ratio Lower Upper

43 100

86 10.9 8.9 13.3



#24

1,1-Dichloroethane

Concen: 50.04 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

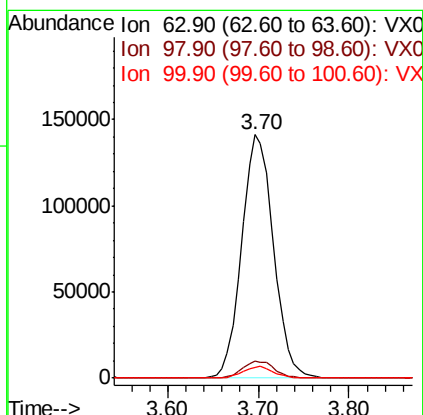
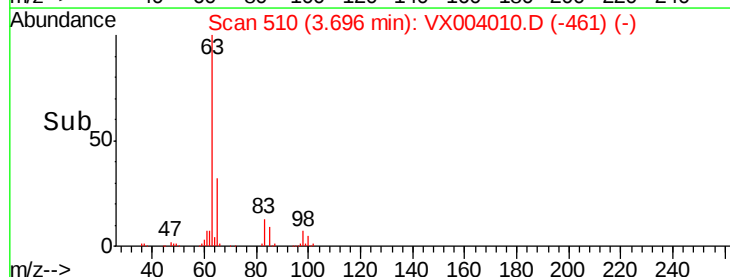
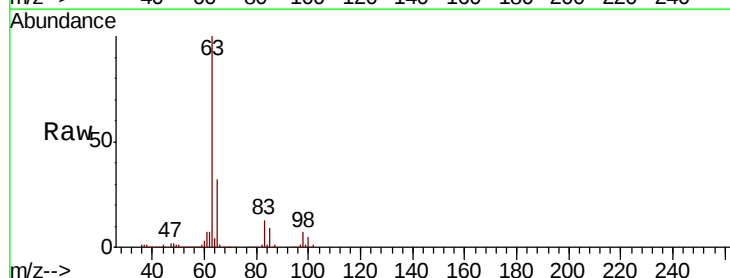
Tgt Ion: 63 Resp: 342761

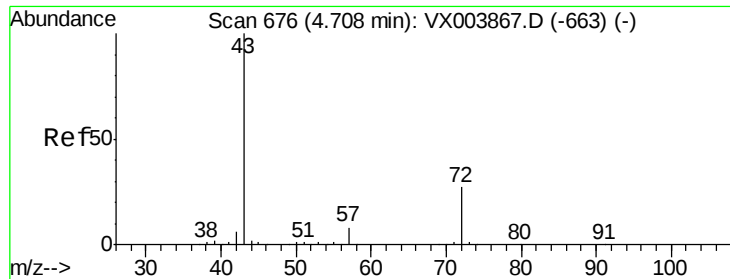
Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

100 4.6 2.3 6.8





#25

2-Butanone

Concen: 256.38 ug/l

RT: 4.70 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampled :

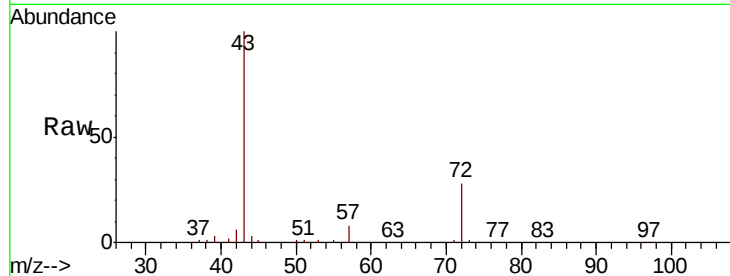
FL-0540MS

Tot Ion: 43 Resp: 921607

Ion Ratio Lower Upper

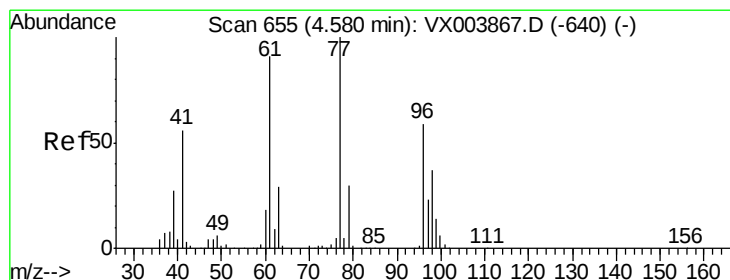
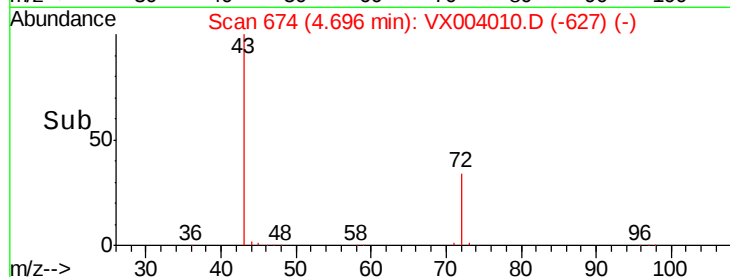
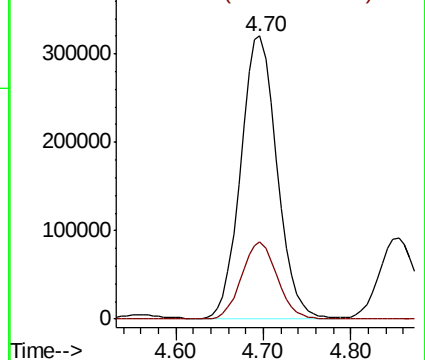
43 100

72 27.5 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 47.21 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.01 min

Lab File: VX004010.D

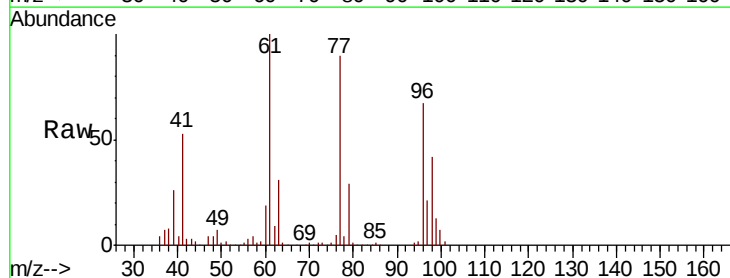
Acq: 13 Aug 2018 19:40

Tgt Ion: 77 Resp: 233211

Ion Ratio Lower Upper

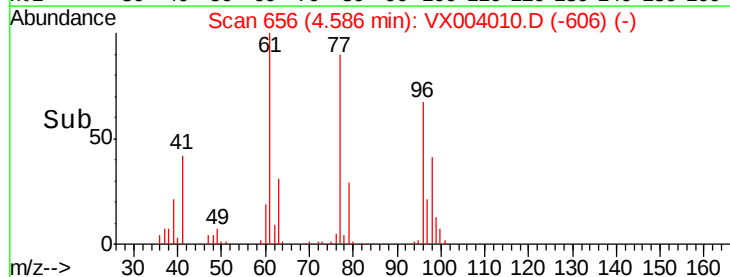
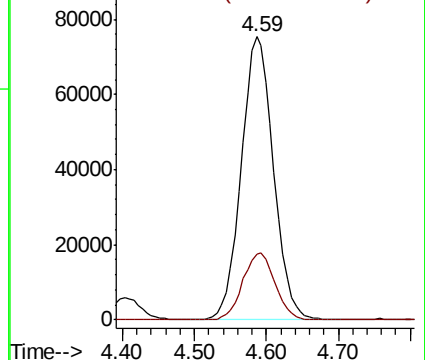
77 100

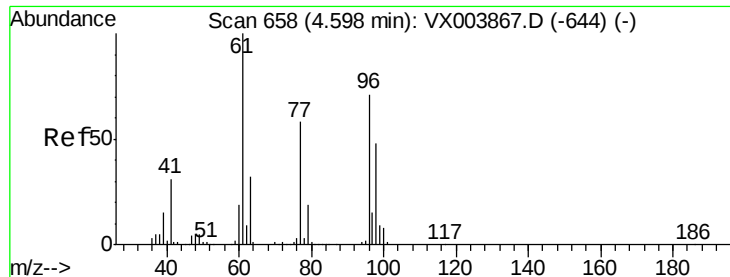
97 23.9 11.9 35.9



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: 52.07 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampleId :

FL-0540MS

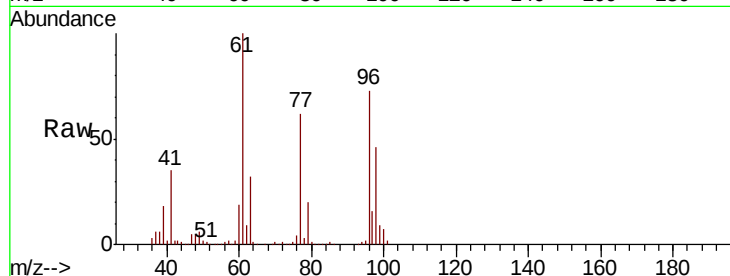
Tot Ion: 96 Resp: 208705

Ion Ratio Lower Upper

96 100

61 142.9 0.0 293.0

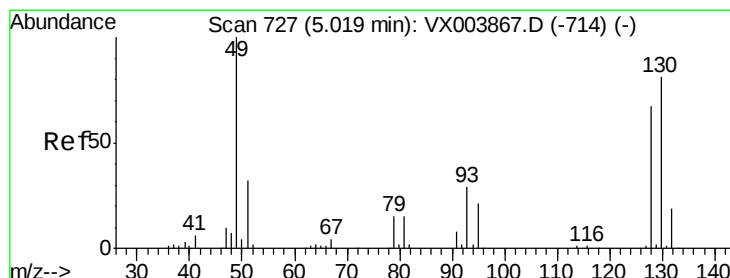
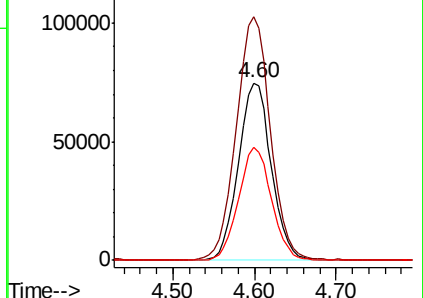
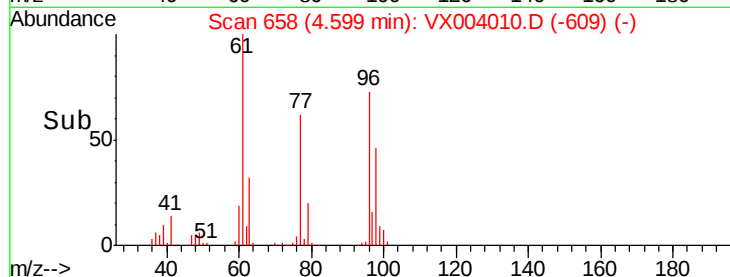
98 64.0 0.0 131.8



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 51.54 ug/l

RT: 5.02 min Scan# 727

Delta R.T. 0.00 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

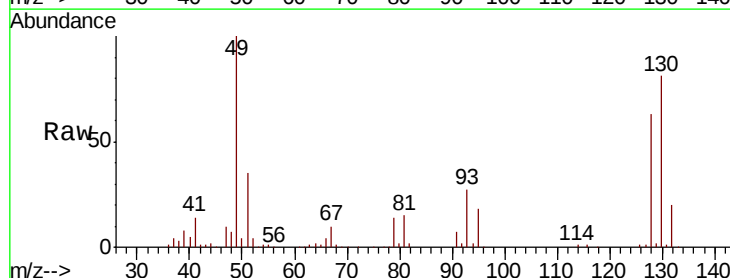
Tgt Ion: 49 Resp: 151065

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

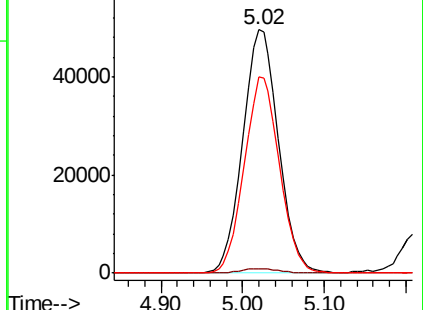
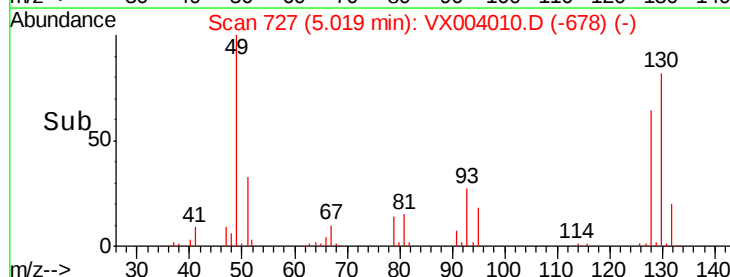
130 79.7 66.5 99.7

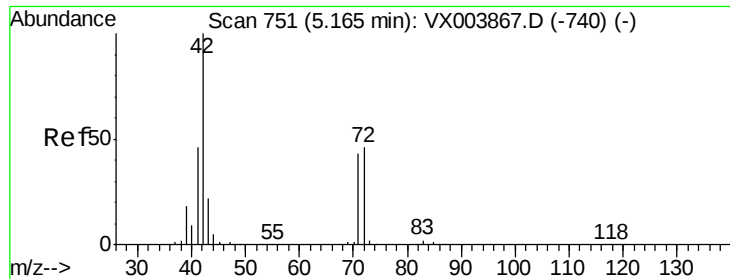


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 254.43 ug/l

RT: 5.15 min Scan# 749

Delta R.T. -0.01 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampleId :

FL-0540MS

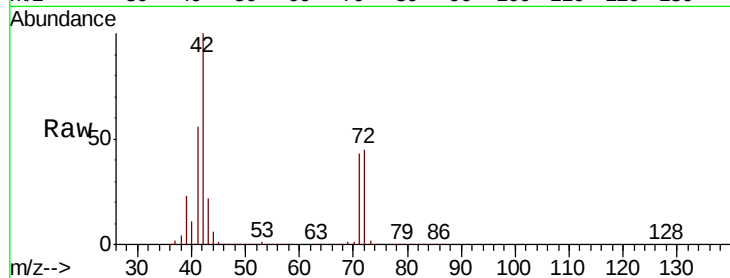
Tot Ion: 42 Resp: 470093

Ion Ratio Lower Upper

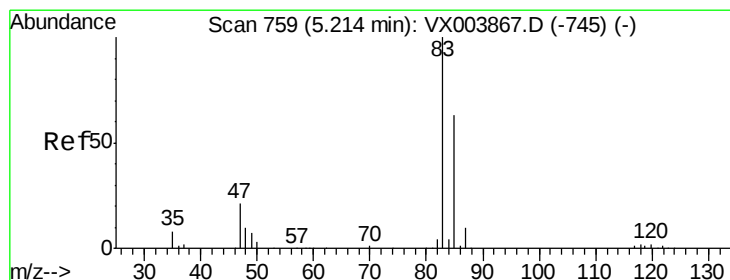
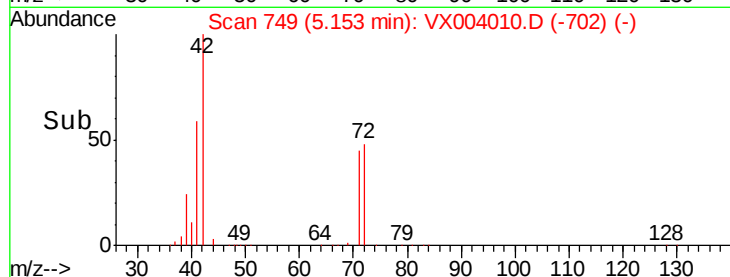
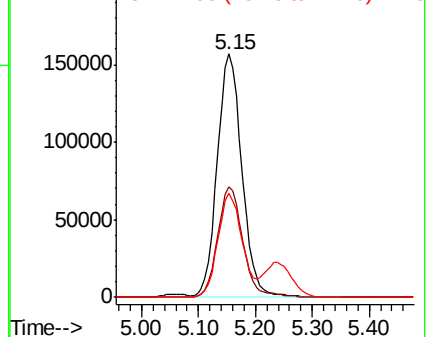
42 100

72 46.4 37.7 56.5

71 42.5 35.0 52.6



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 53.75 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX004010.D

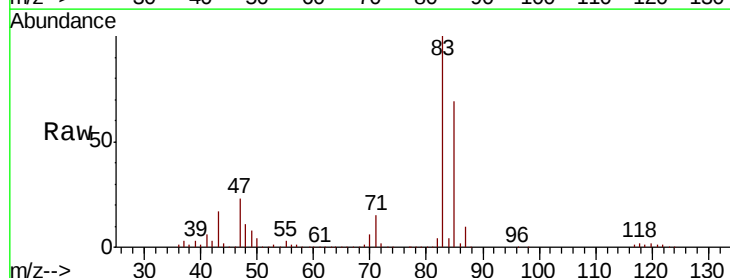
Acq: 13 Aug 2018 19:40

Tgt Ion: 83 Resp: 346560

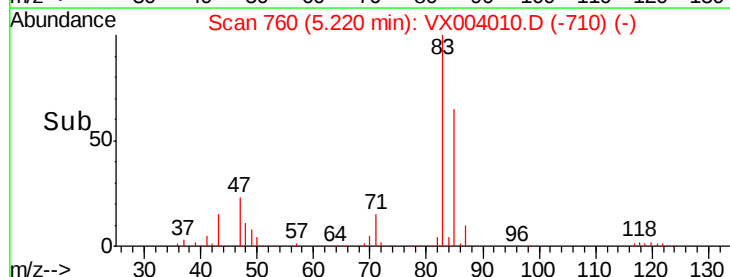
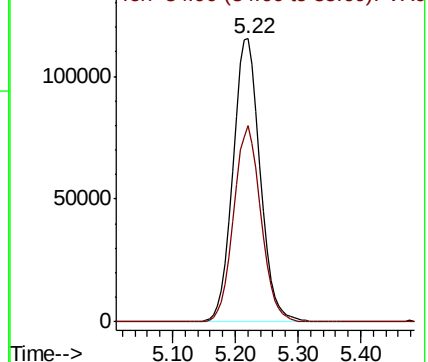
Ion Ratio Lower Upper

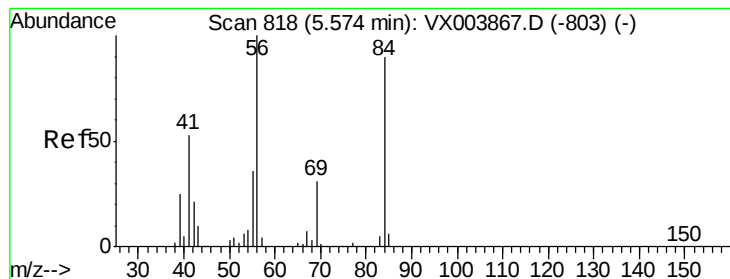
83 100

85 69.2 50.7 76.1



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0





#31

Cvclohexane

Concen: 247.94 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampleId :

FL-0540MS

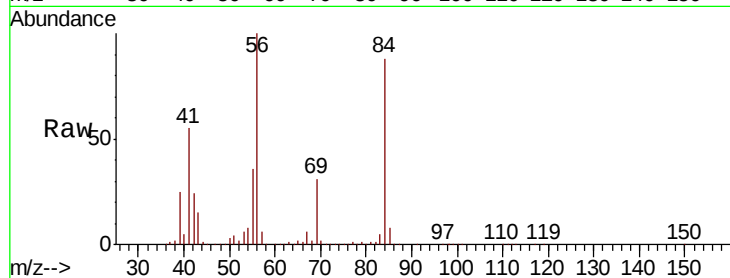
Tot Ion: 56 Resp: 1436175

Ion Ratio Lower Upper

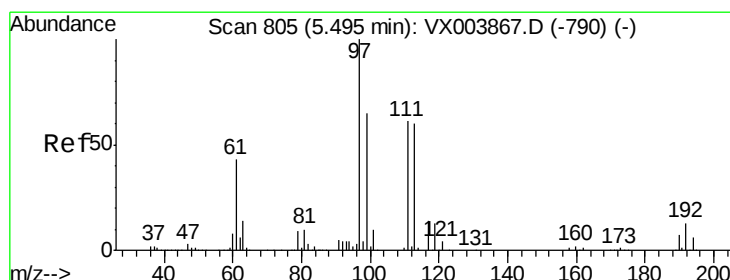
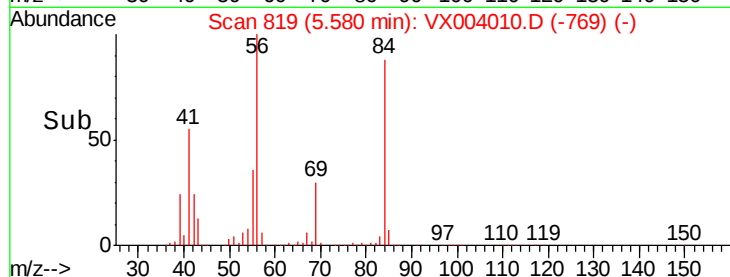
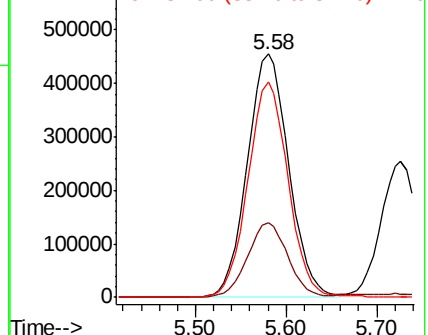
56 100

69 30.2 24.9 37.3

84 88.1 71.7 107.5



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: 52.68 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

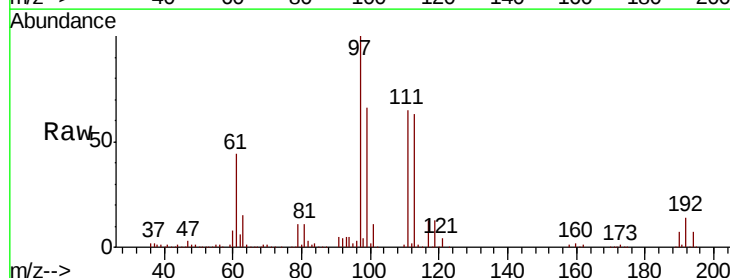
Tgt Ion: 97 Resp: 284879

Ion Ratio Lower Upper

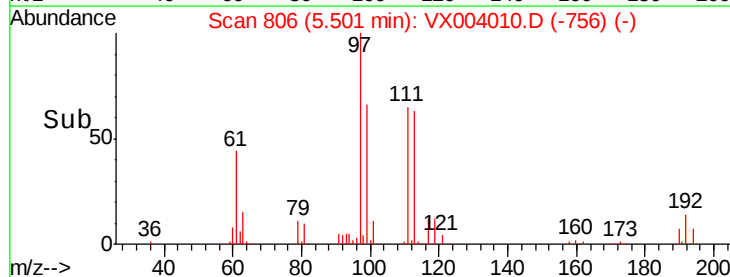
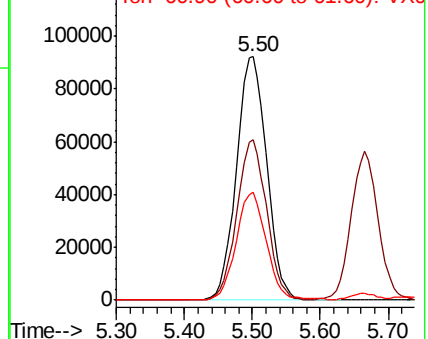
97 100

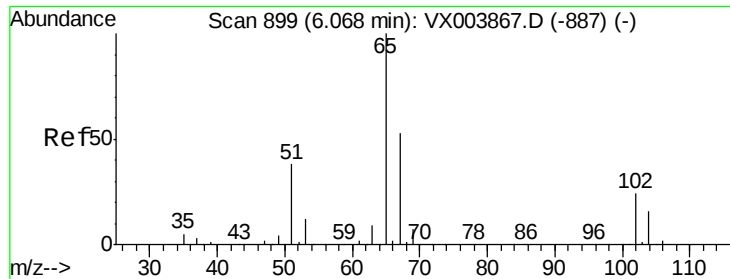
99 64.8 51.8 77.8

61 44.1 34.4 51.6



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

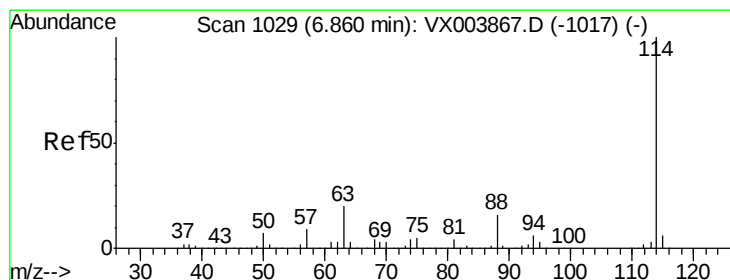
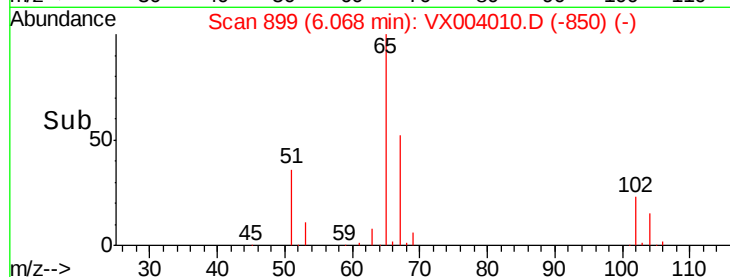
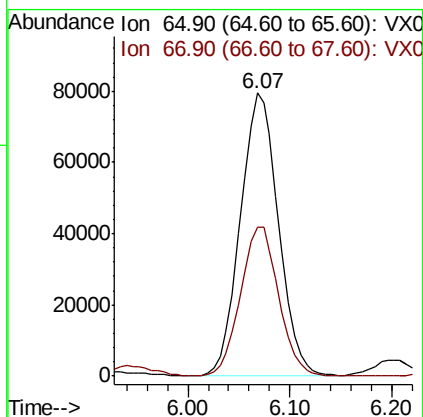
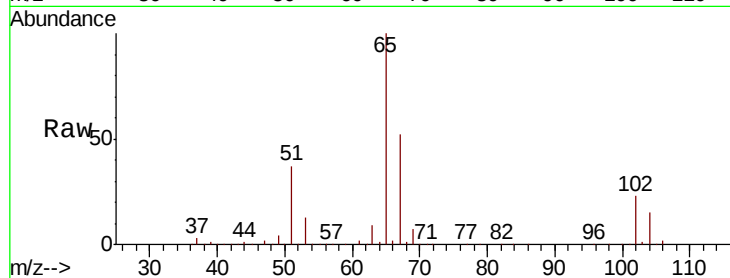




#33
 1,2-Dichloroethane-d4
 Concen: 51.18 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX004010.D
 Acq: 13 Aug 2018 19:40

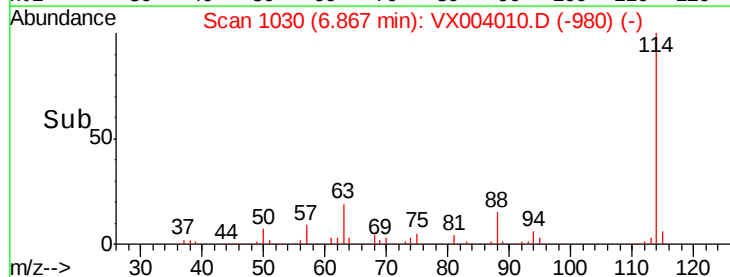
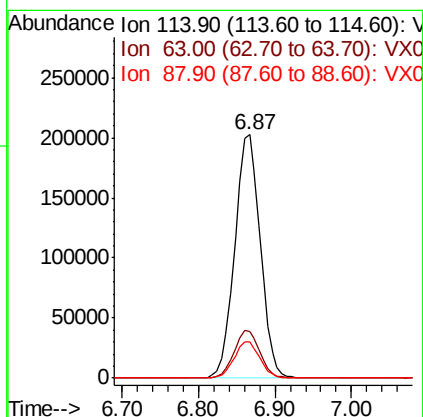
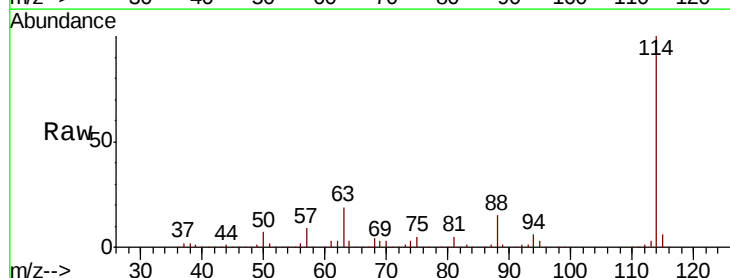
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0540MS

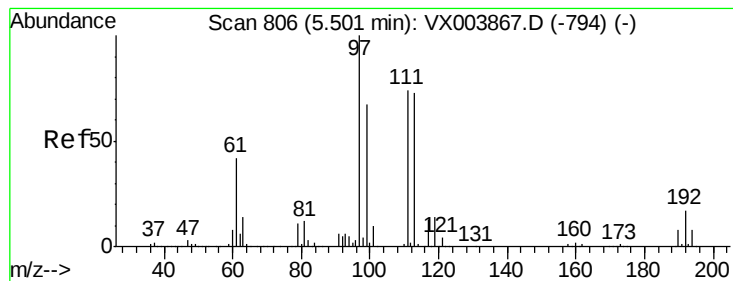
Tot Ion: 65 Resp: 205678
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.01 min
 Lab File: VX004010.D
 Acq: 13 Aug 2018 19:40

Tgt Ion: 114 Resp: 469234
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.0
 88 14.6 0.0 32.0





#35

Dibromofluoromethane

Concen: 47.09 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampleId :

FL-0540MS

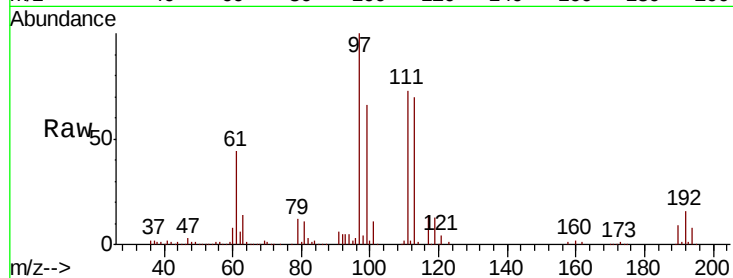
Tot Ion:113 Resp: 167409

Ion Ratio Lower Upper

113 100

111 103.5 82.0 123.0

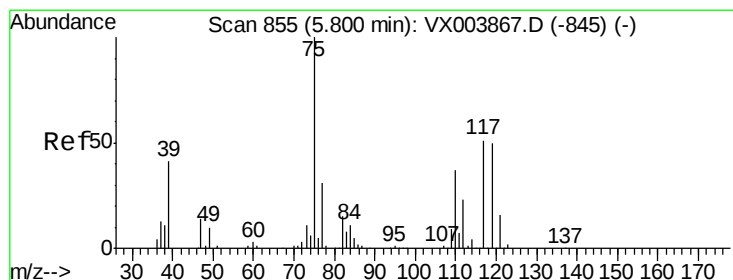
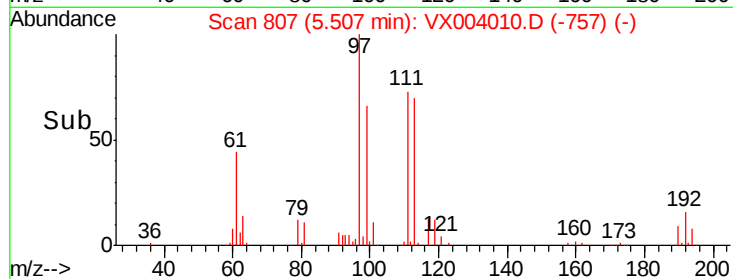
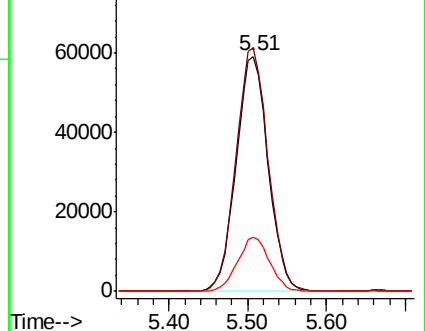
192 22.8 19.0 28.4



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: 48.18 ug/l

RT: 5.80 min Scan# 855

Delta R.T. 0.00 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

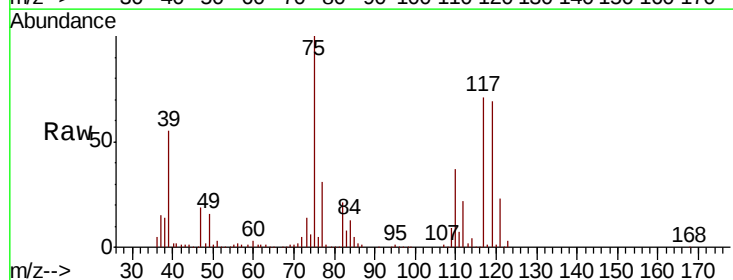
Tgt Ion: 75 Resp: 253234

Ion Ratio Lower Upper

75 100

110 36.7 18.2 54.6

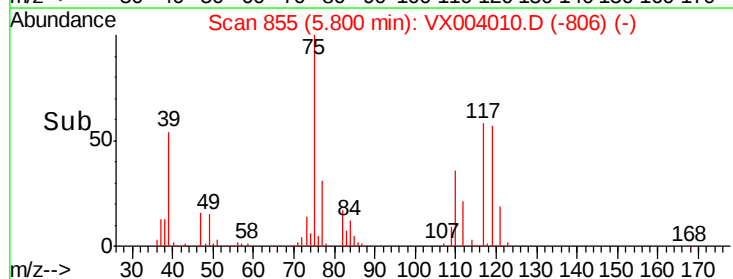
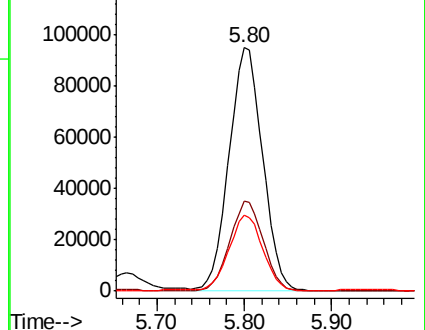
77 31.3 25.0 37.4

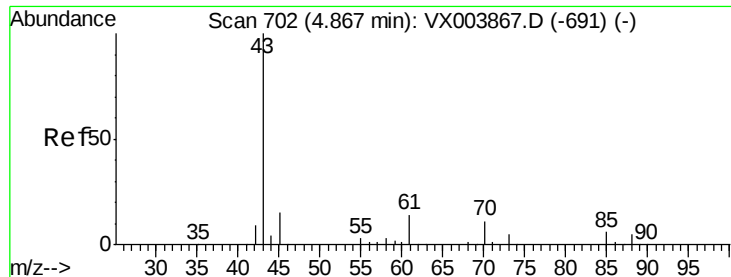


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 47.14 ug/l

RT: 4.85 min Scan# 700

Delta R.T. -0.01 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampleId :

FL-0540MS

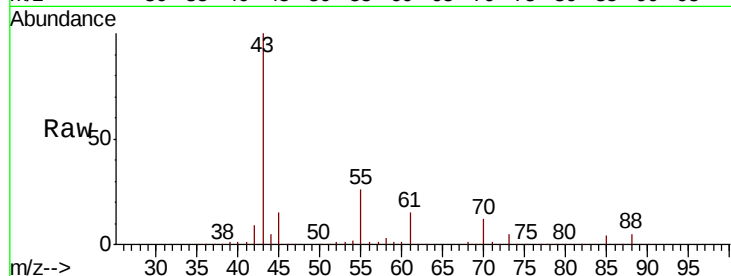
Tot Ion: 43 Resp: 272548

Ion Ratio Lower Upper

43 100

61 14.0 11.5 17.3

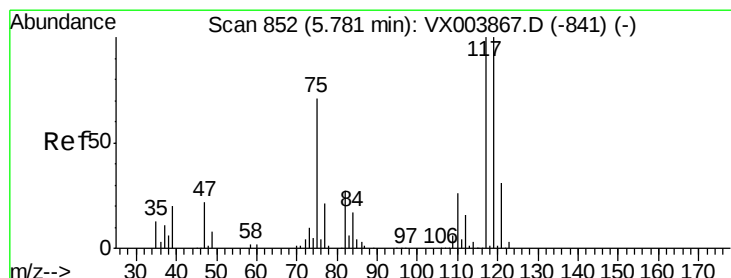
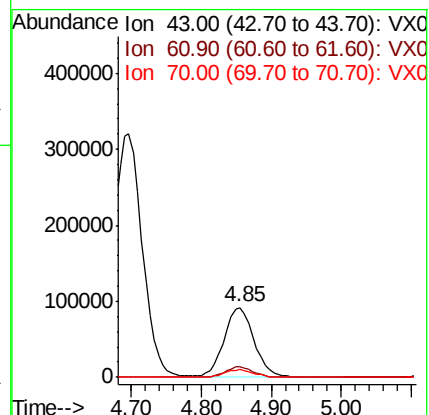
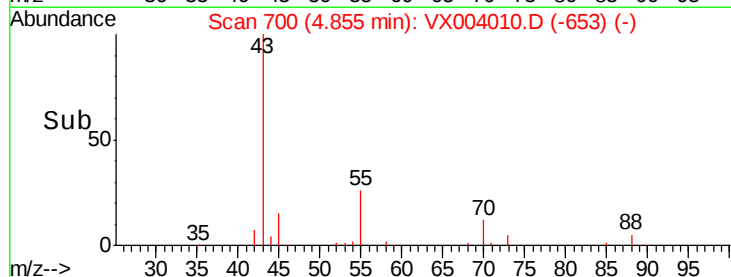
70 11.3 9.0 13.4



Abundance Ion 43.00 (42.70 to 43.70): VX003867.D (-691) (-)

Ion 60.90 (60.60 to 61.60): VX003867.D (-691) (-)

Ion 70.00 (69.70 to 70.70): VX003867.D (-691) (-)



#38

Carbon Tetrachloride

Concen: 50.09 ug/l

RT: 5.79 min Scan# 853

Delta R.T. 0.01 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

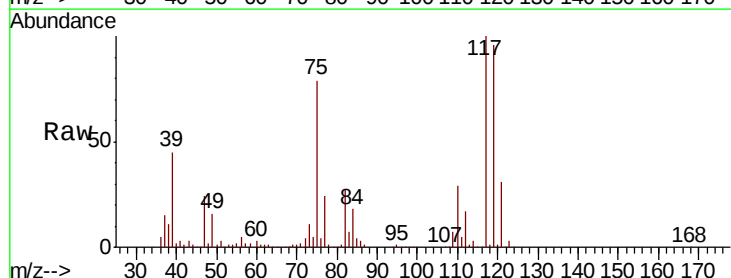
Tgt Ion: 117 Resp: 250553

Ion Ratio Lower Upper

117 100

119 96.0 79.5 119.3

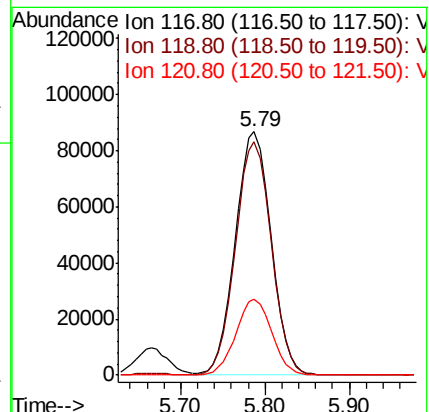
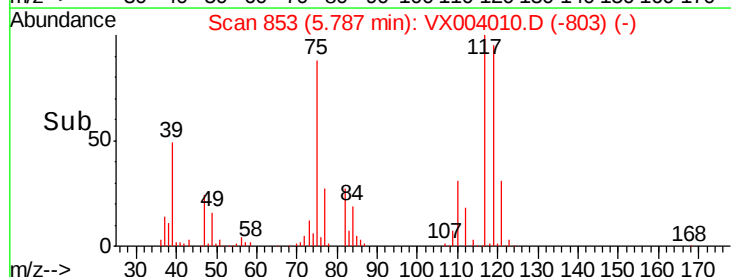
121 31.0 25.0 37.4

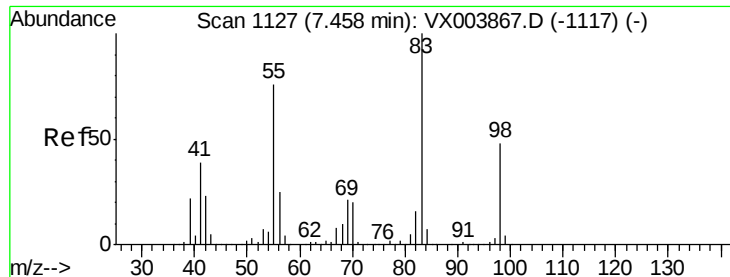


Abundance Ion 116.80 (116.50 to 117.50): VX003867.D (-841) (-)

Ion 118.80 (118.50 to 119.50): VX003867.D (-841) (-)

Ion 120.80 (120.50 to 121.50): VX003867.D (-841) (-)

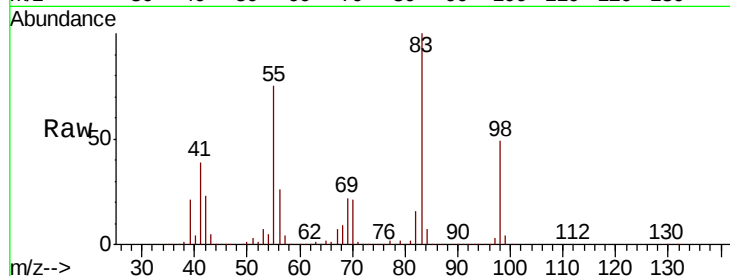




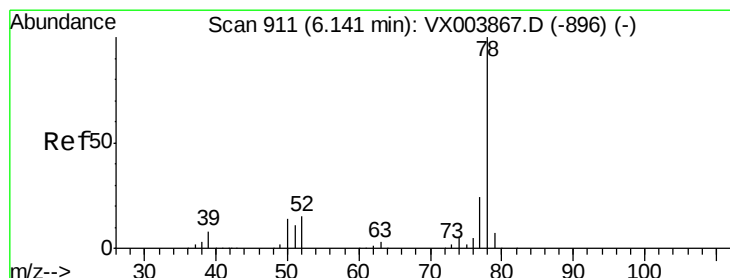
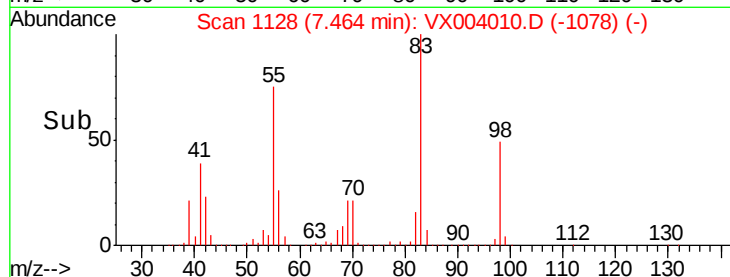
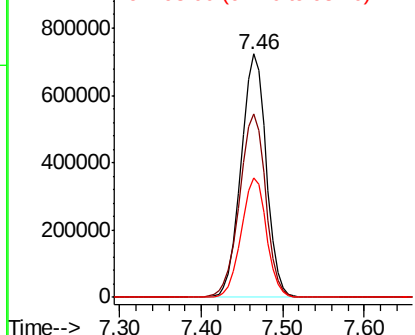
#39
Methylvlcyclohexane
Concen: 250.37 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX004010.D
Acq: 13 Aug 2018 19:40

Instrument :
MSVOA_X
ClientSampleId :
FL-0540MS

Tot Ion: 83 Resp: 1551356
Ion Ratio Lower Upper
83 100
55 75.5 61.0 91.6
98 49.1 38.6 57.8

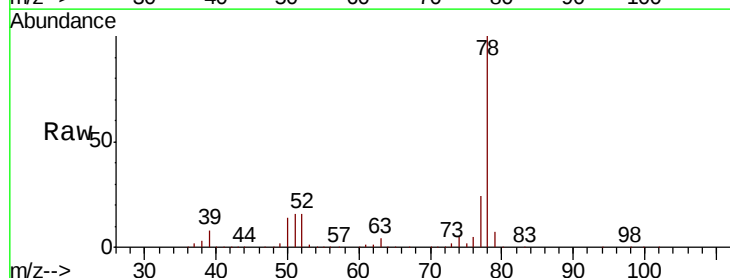


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

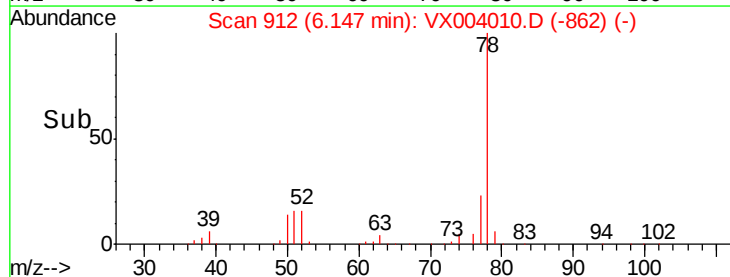
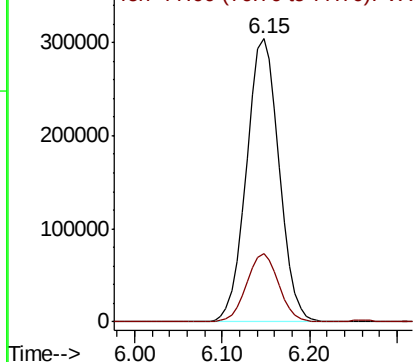


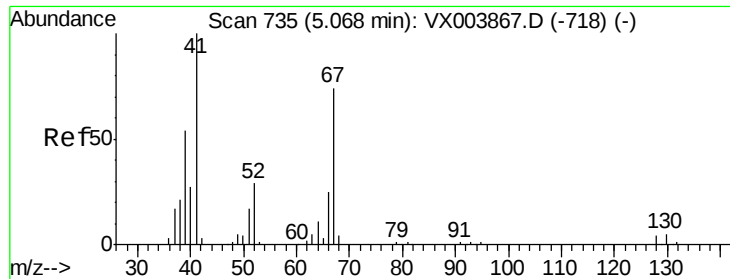
#40
Benzene
Concen: 50.08 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.01 min
Lab File: VX004010.D
Acq: 13 Aug 2018 19:40

Tgt Ion: 78 Resp: 790376
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

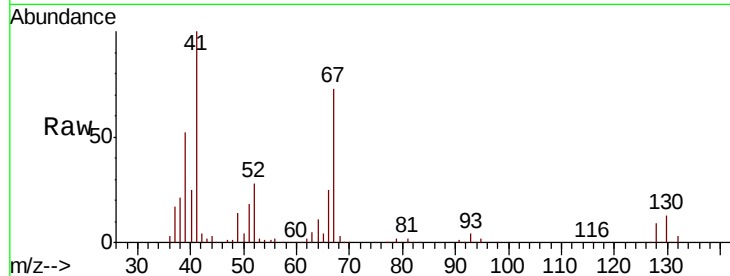




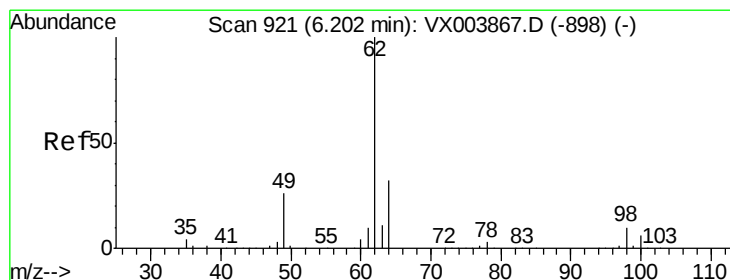
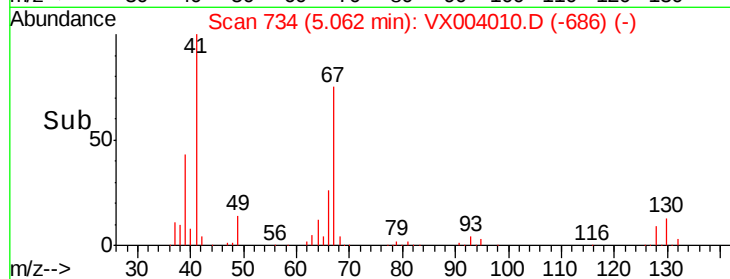
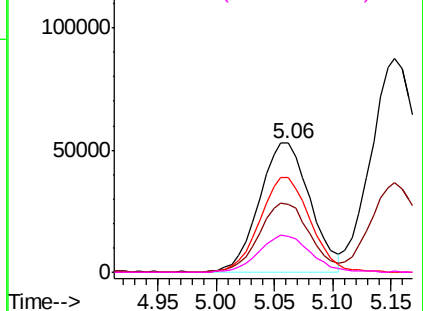
#41
Methacrylonitrile
Concen: 49.88 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX004010.D
Acq: 13 Aug 2018 19:40

Instrument :
MSVOA_X
ClientSampled :
FL-0540MS

Tot Ion:	41	Resp:	158825
Ion	Ratio	Lower	Upper
41	100		
39	53.1	42.7	64.1
67	73.6	58.9	88.3
52	29.0	22.6	33.8

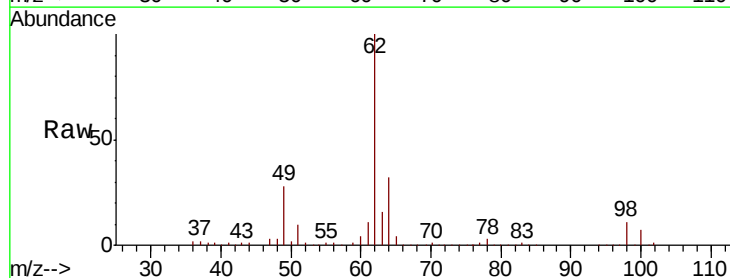


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

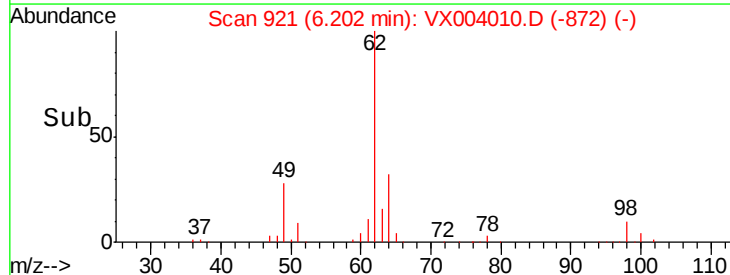
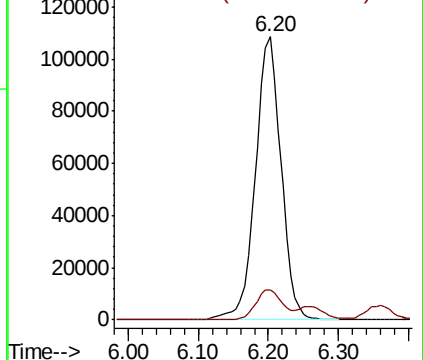


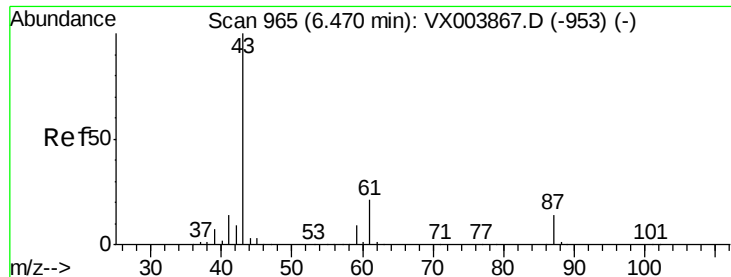
#42
1,2-Dichloroethane
Concen: 51.87 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX004010.D
Acq: 13 Aug 2018 19:40

Tgt Ion:	62	Resp:	276755
Ion	Ratio	Lower	Upper
62	100		
98	11.3	0.0	20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 52.70 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampleID :

FL-0540MS

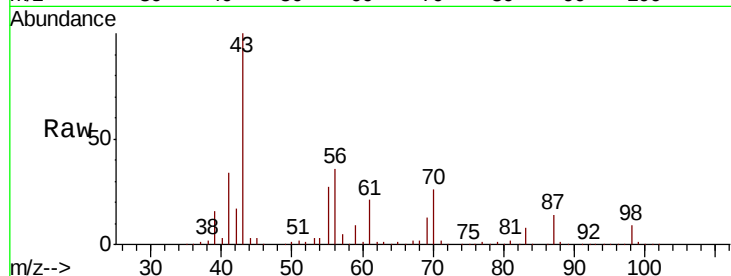
Tot Ion: 43 Resp: 458481

Ion Ratio Lower Upper

43 100

61 20.2 16.9 25.3

87 13.6 11.3 16.9

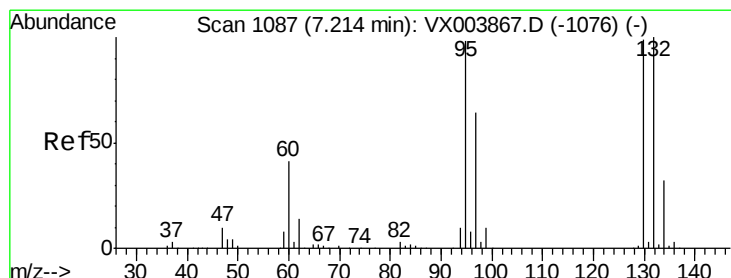
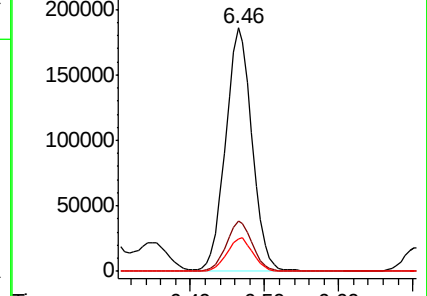
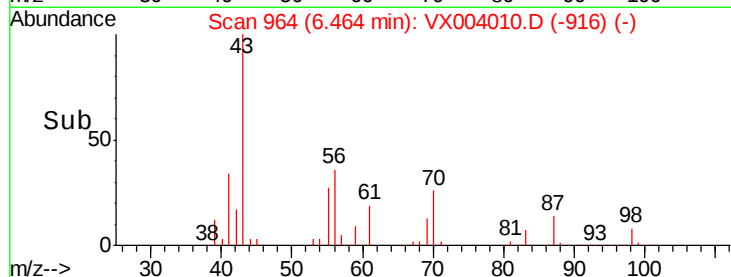


Abundance Ion 43.00 (42.70 to 43.70): VX003867.D (-953) (-)

Ion 61.00 (60.70 to 61.70): VX003867.D (-953) (-)

Ion 87.00 (86.70 to 87.70): VX003867.D (-953) (-)

Time-->



#44

Trichloroethene

Concen: 48.90 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX004010.D

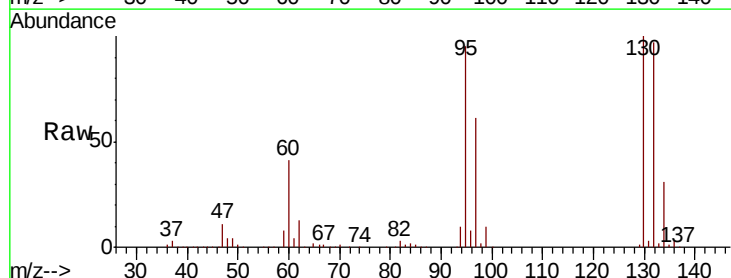
Acq: 13 Aug 2018 19:40

Tgt Ion: 130 Resp: 211049

Ion Ratio Lower Upper

130 100

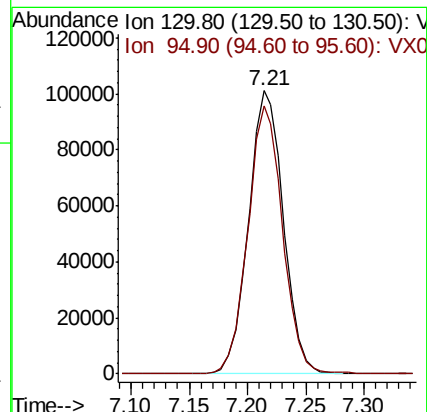
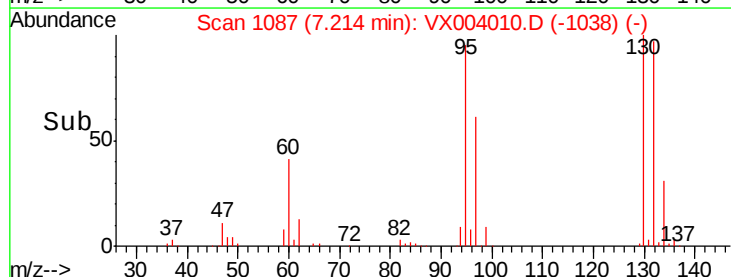
95 94.8 0.0 199.4

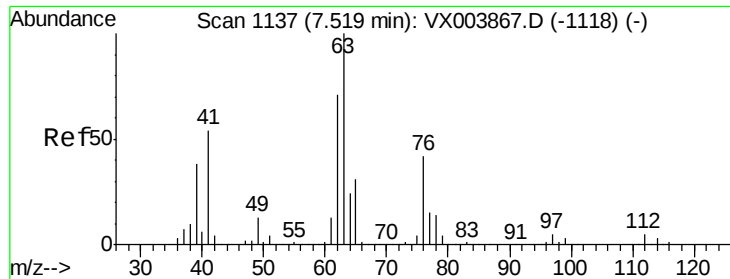


Abundance Ion 129.80 (129.50 to 130.50): VX003867.D (-1076) (-)

Ion 94.90 (94.60 to 95.60): VX003867.D (-1076) (-)

Time-->

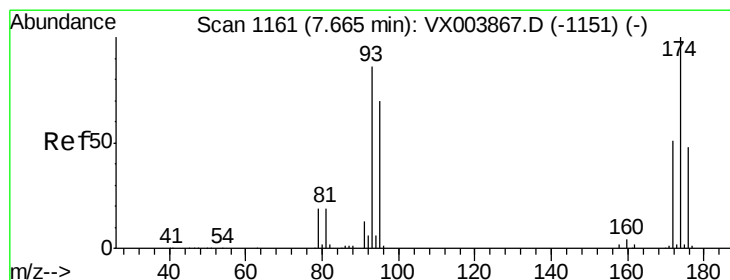
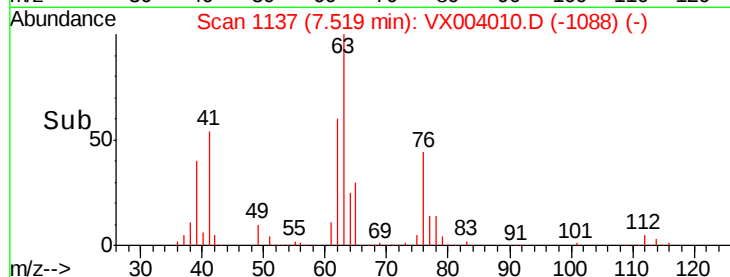
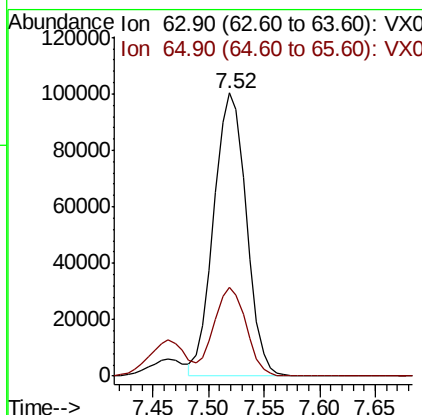
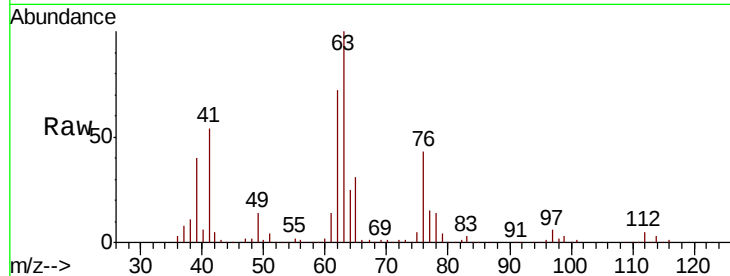




#45
 1,2-Dichloropropane
 Concen: 49.95 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX004010.D
 Acq: 13 Aug 2018 19:40

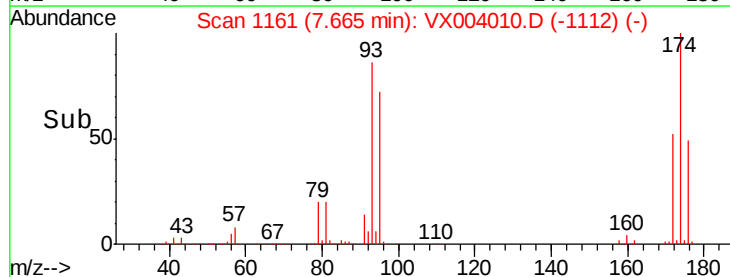
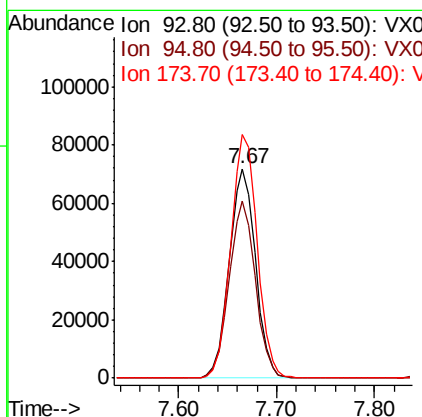
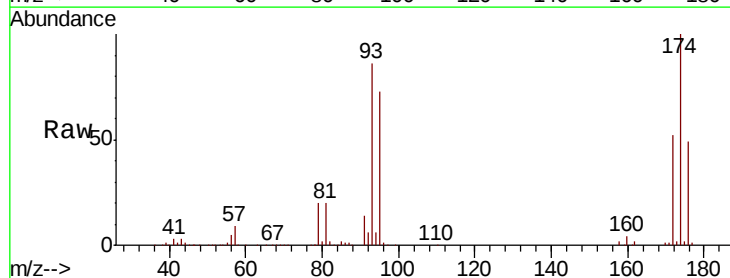
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0540MS

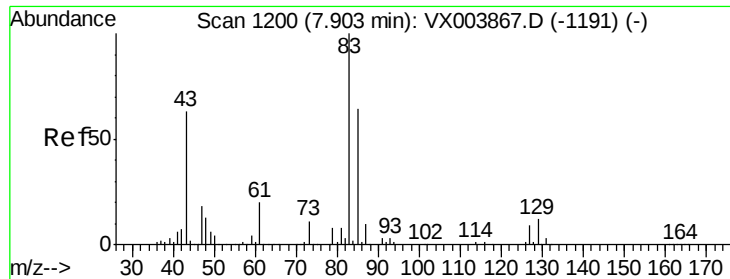
Tot Ion: 63 Resp: 20352
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.6 36.8



#46
 Dibromomethane
 Concen: 50.71 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX004010.D
 Acq: 13 Aug 2018 19:40

Tgt Ion: 93 Resp: 134157
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.4 99.6
 174 117.4 94.3 141.5





#47

Bromodichloromethane

Concen: 52.62 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampleId :

FL-0540MS

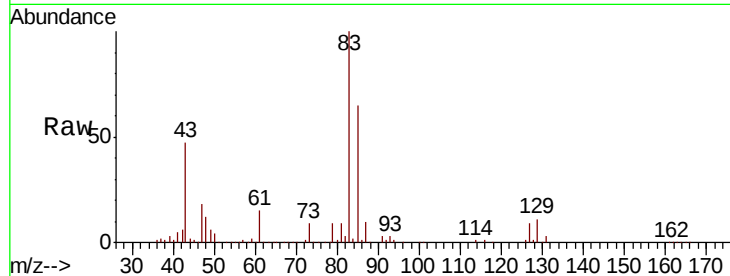
Tot Ion: 83 Resp: 262287

Ion Ratio Lower Upper

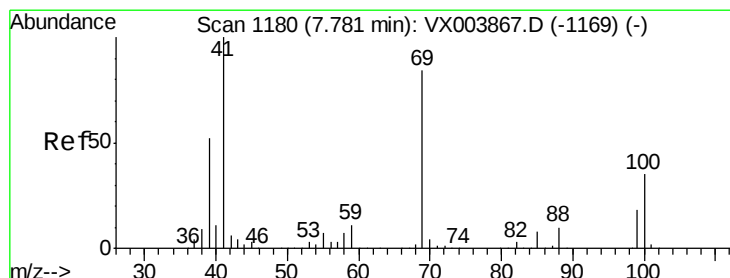
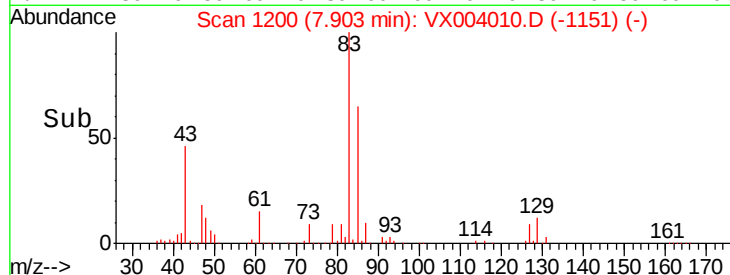
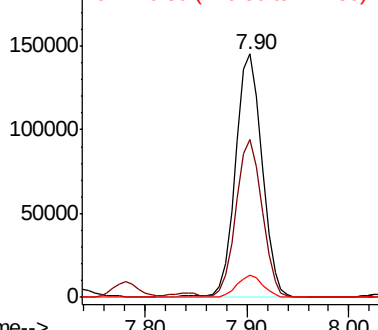
83 100

85 64.6 51.2 76.8

127 9.3 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 50.28 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

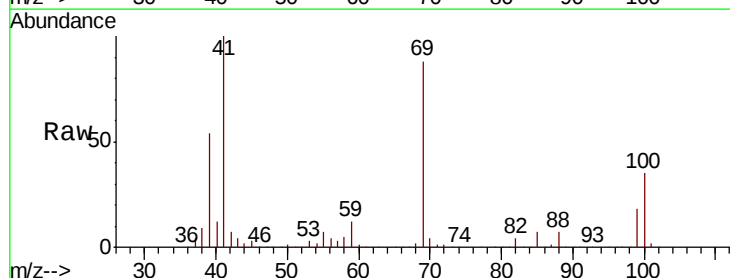
Tgt Ion: 41 Resp: 222361

Ion Ratio Lower Upper

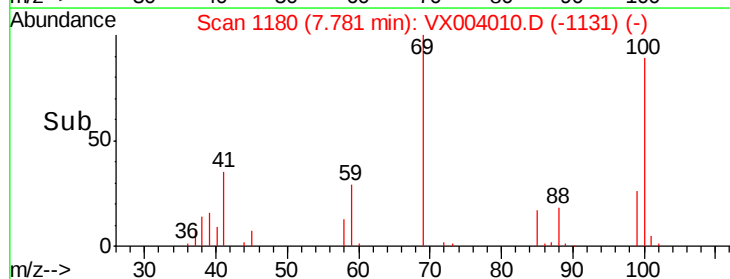
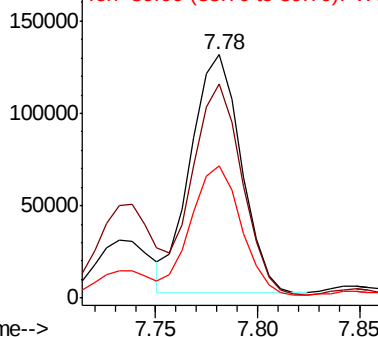
41 100

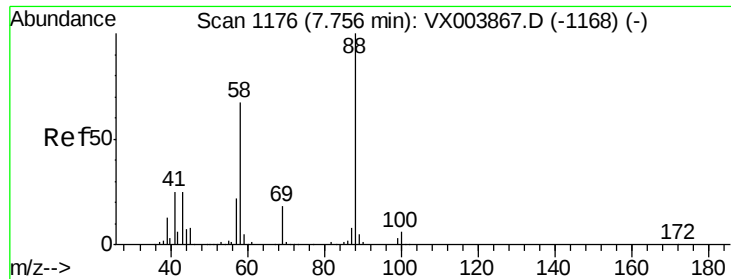
69 87.9 68.8 103.2

39 55.8 42.3 63.5



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





#49

1,4-Dioxane

Concen: 856.85 ug/l

RT: 7.76 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampled :

FL-0540MS

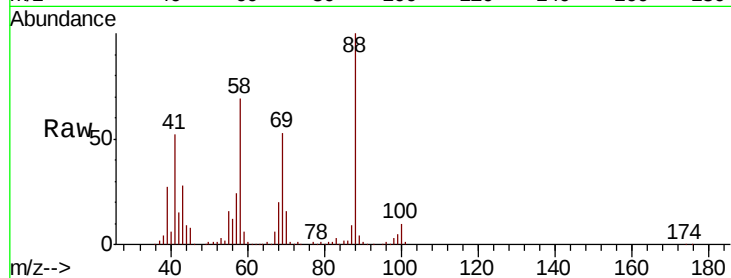
Tot Ion: 88 Resp: 89264

Ion Ratio Lower Upper

88 100

43 34.5 23.8 35.8

58 67.9 55.4 83.0

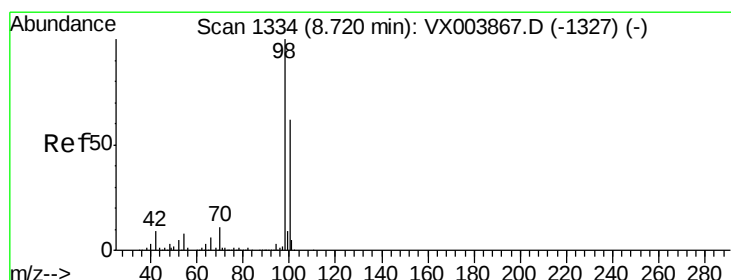
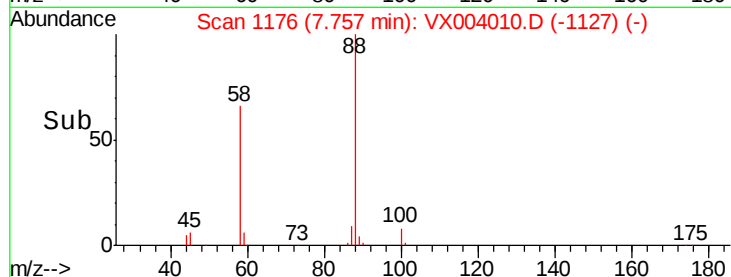
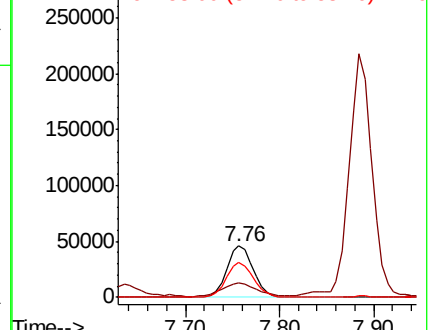


Abundance

Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 47.87 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX004010.D

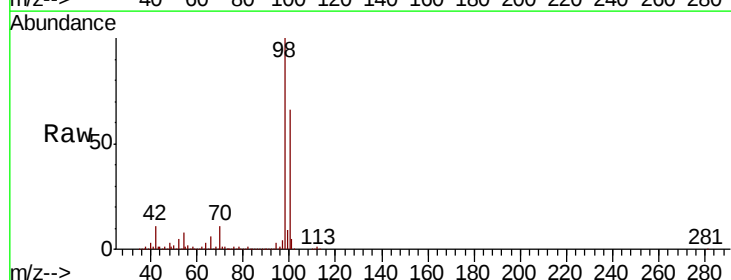
Acq: 13 Aug 2018 19:40

Tgt Ion: 98 Resp: 661807

Ion Ratio Lower Upper

98 100

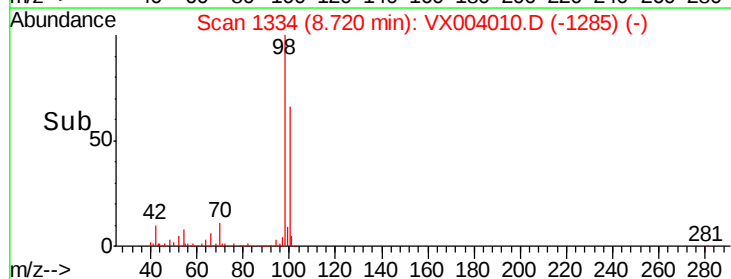
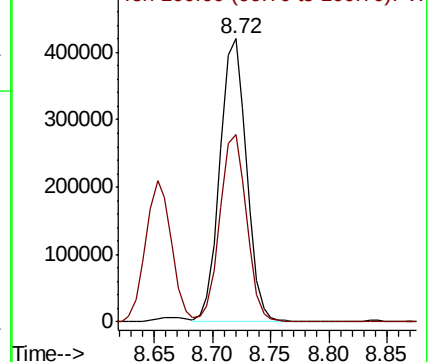
100 66.6 53.3 79.9

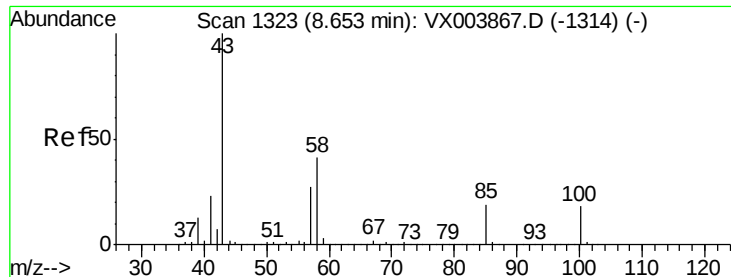


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 259.99 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampled :

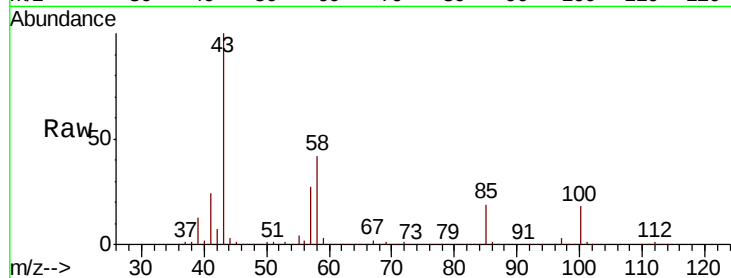
FL-0540MS

Tot Ion: 43 Resp: 1874787

Ion Ratio Lower Upper

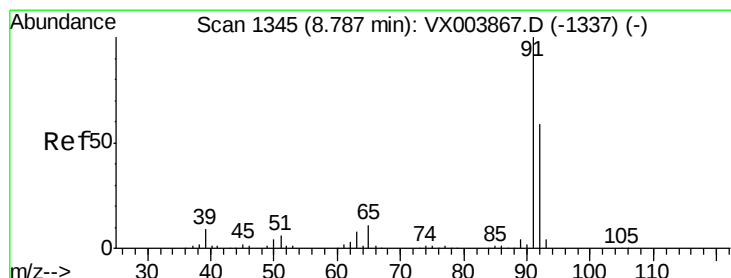
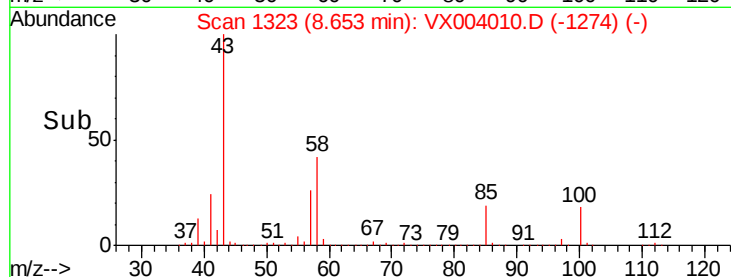
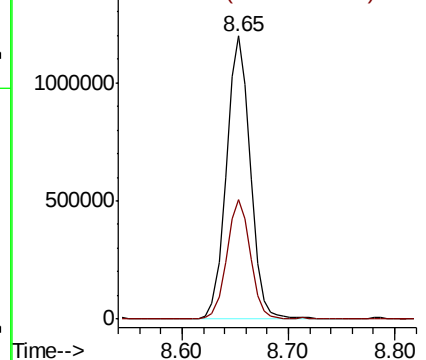
43 100

58 41.5 33.0 49.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 51.24 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX004010.D

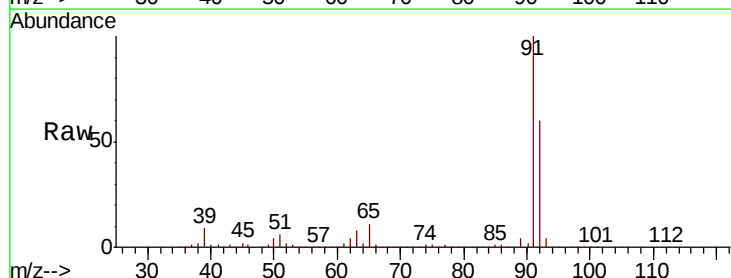
Acq: 13 Aug 2018 19:40

Tgt Ion: 92 Resp: 510903

Ion Ratio Lower Upper

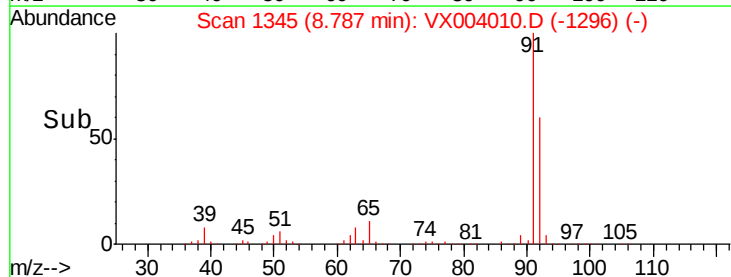
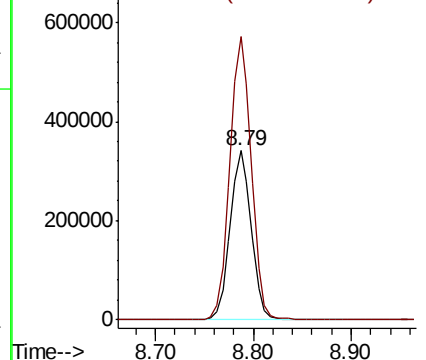
92 100

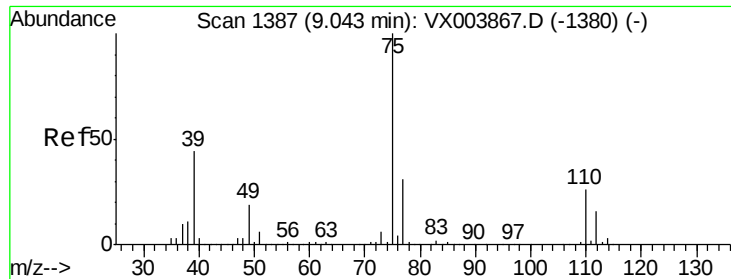
91 169.9 136.1 204.1



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: 52.52 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampleId :

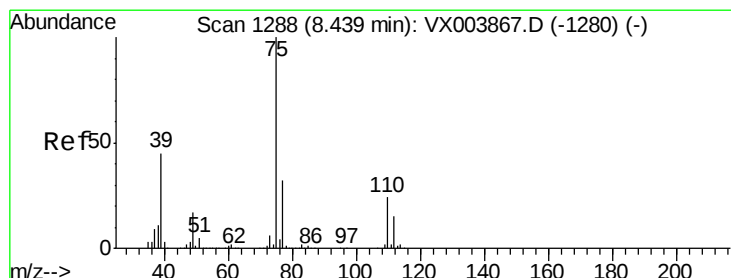
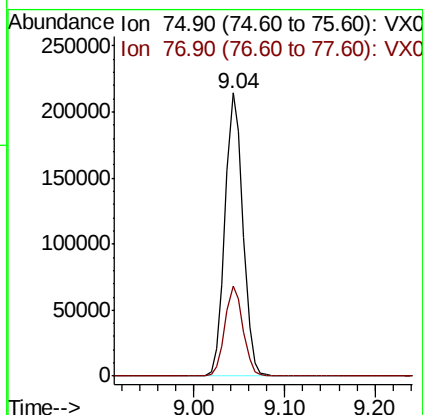
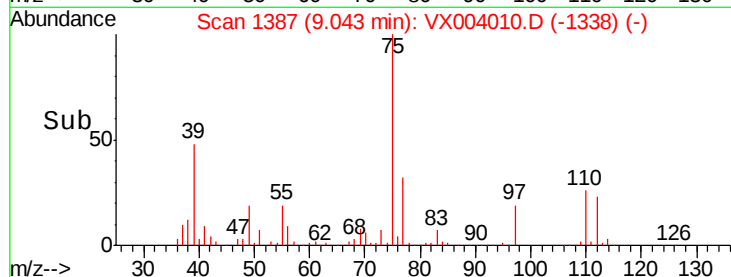
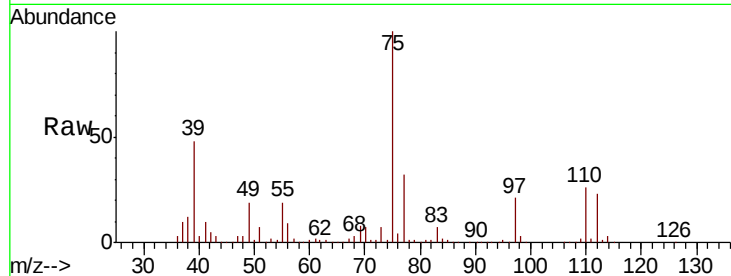
FL-0540MS

Tot Ion: 75 Resp: 295892

Ion Ratio Lower Upper

75 100

77 31.8 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 51.48 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

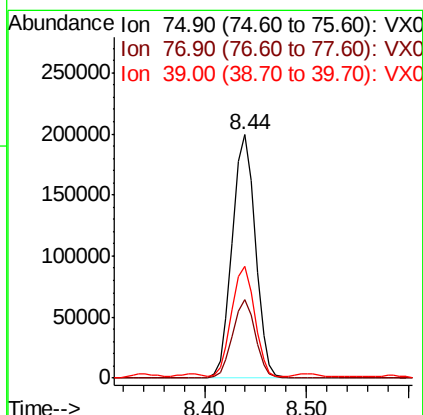
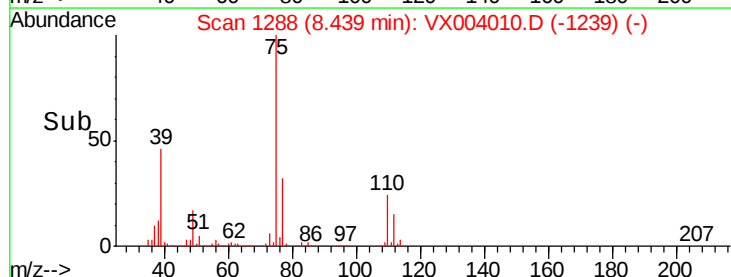
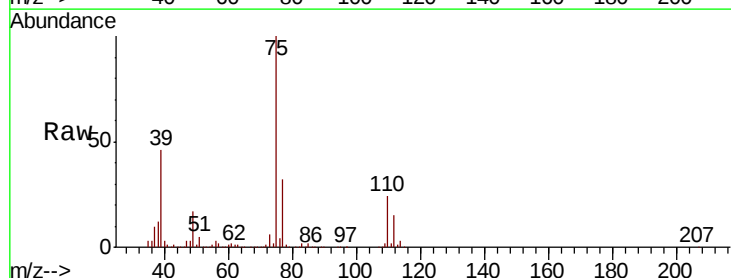
Tgt Ion: 75 Resp: 312744

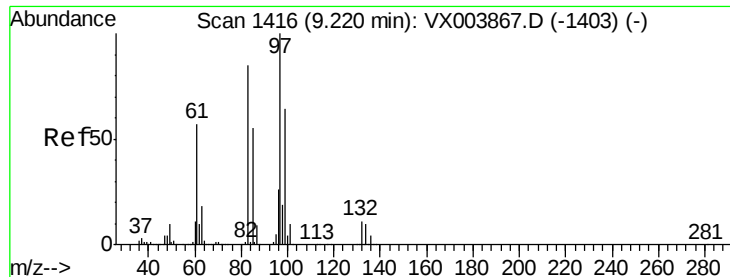
Ion Ratio Lower Upper

75 100

77 32.3 25.3 37.9

39 44.9 36.2 54.2





#55

1,1,2-Trichloroethane

Concen: 50.47 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampled :

FL-0540MS

Tot Ion: 97 Resp: 205663

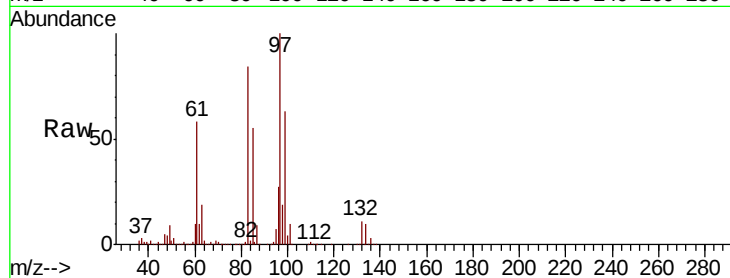
Ion Ratio Lower Upper

97 100

83 84.2 67.8 101.6

85 54.4 44.2 66.2

99 63.6 50.8 76.2

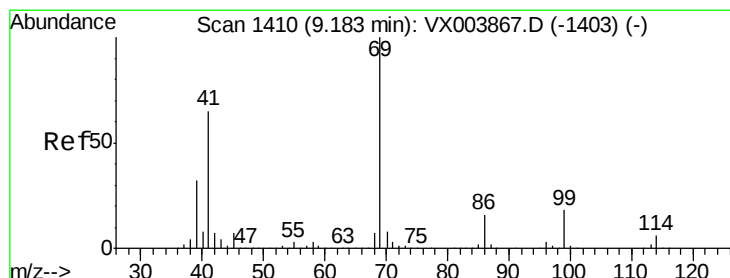
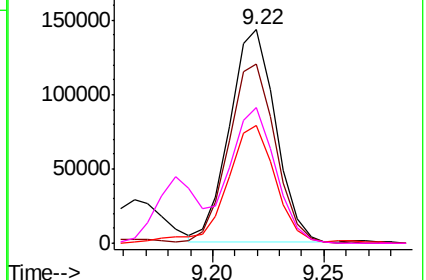
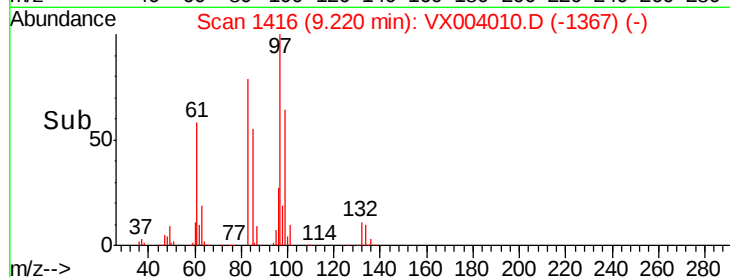


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 56.09 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. 0.00 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

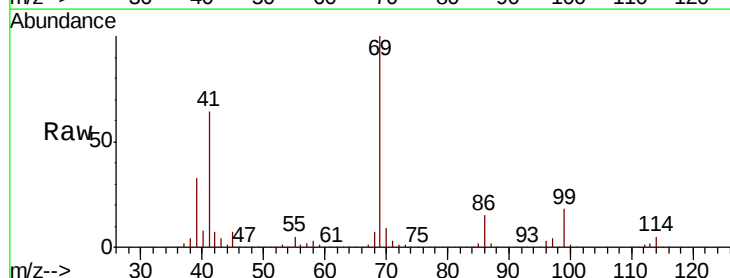
Tgt Ion: 69 Resp: 331609

Ion Ratio Lower Upper

69 100

41 66.3 50.6 76.0

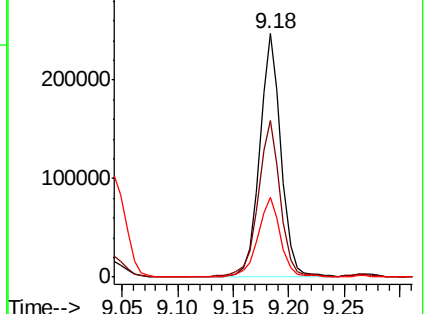
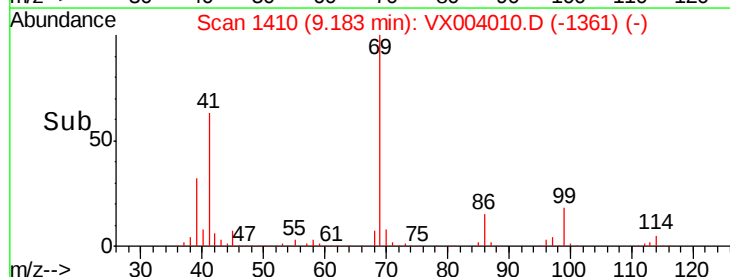
39 34.1 25.8 38.6

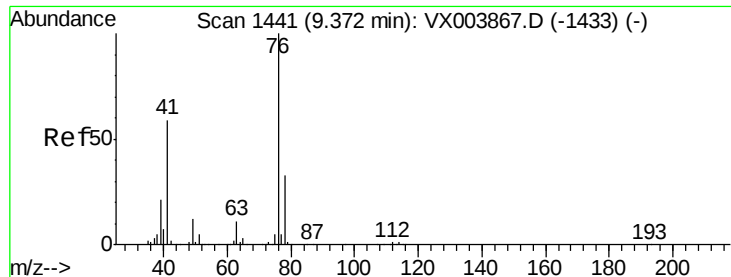


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 52.01 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampled :

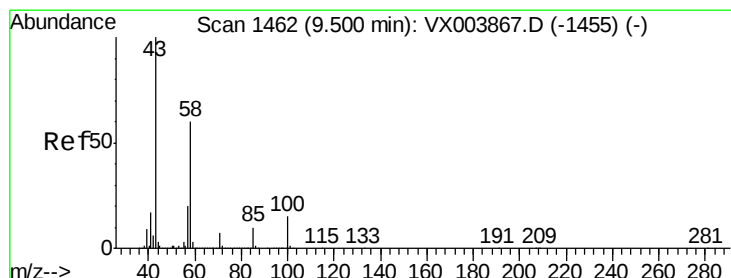
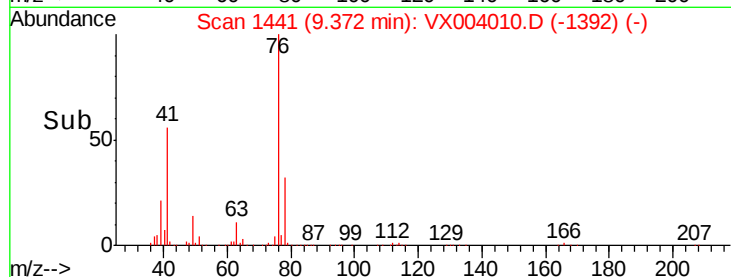
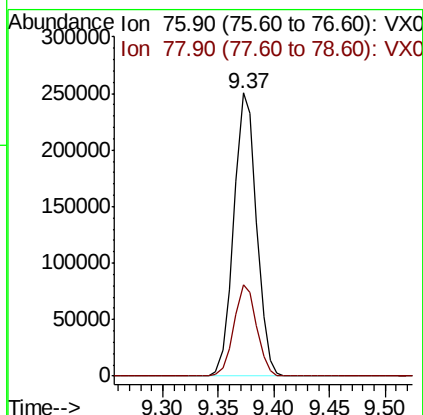
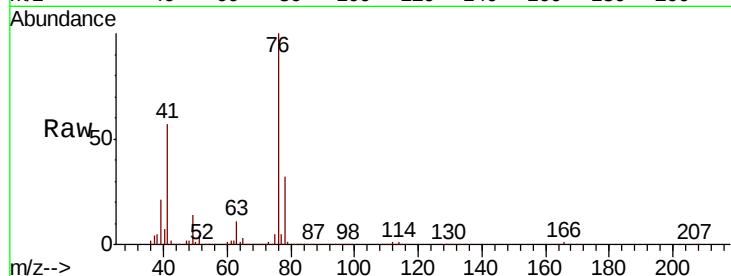
FL-0540MS

Tot Ion: 76 Resp: 354678

Ion Ratio Lower Upper

76 100

78 32.1 25.9 38.9



#59

2-Hexanone

Concen: 262.13 ug/l

RT: 9.50 min Scan# 1462

Delta R.T. 0.00 min

Lab File: VX004010.D

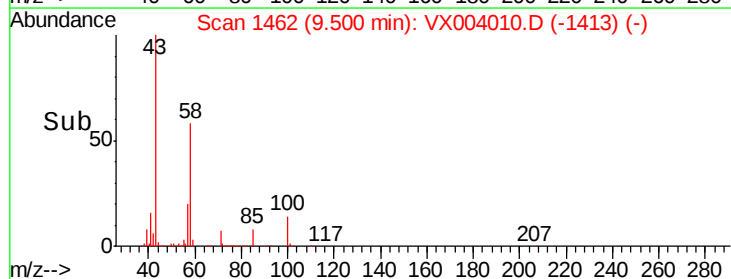
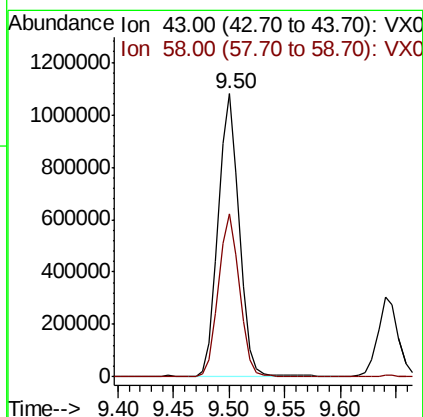
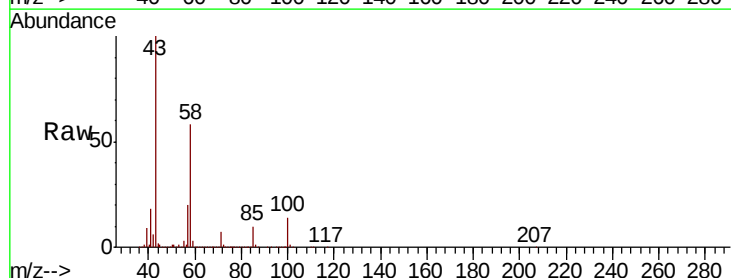
Acq: 13 Aug 2018 19:40

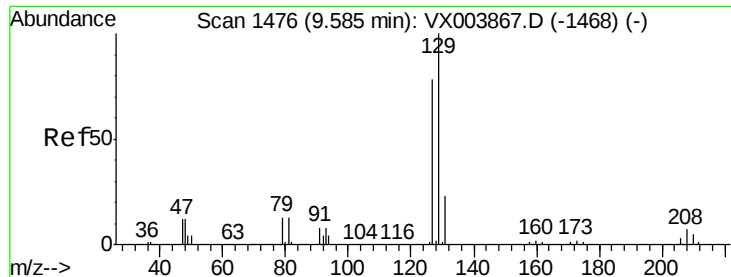
Tgt Ion: 43 Resp: 1412920

Ion Ratio Lower Upper

43 100

58 57.9 29.0 87.0

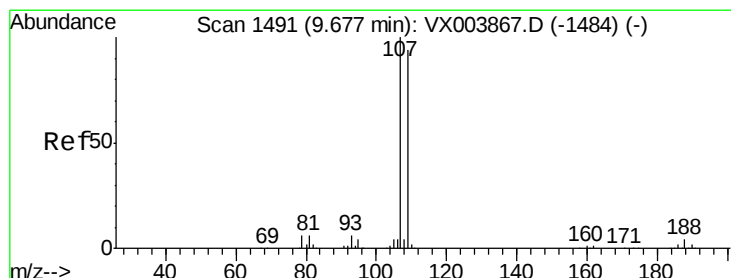
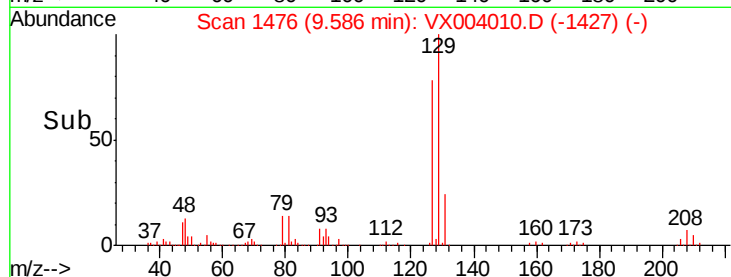
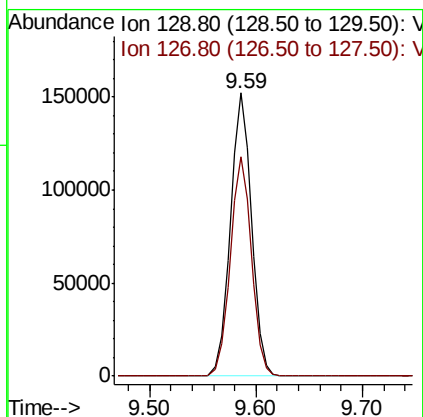
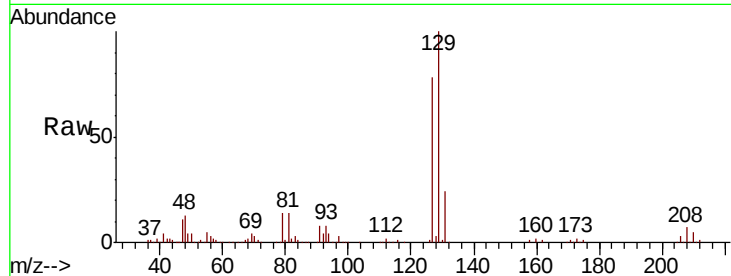




#60
Dibromochloromethane
Concen: 55.71 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX004010.D
Acq: 13 Aug 2018 19:40

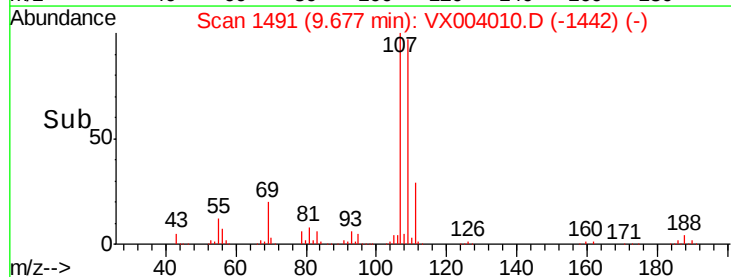
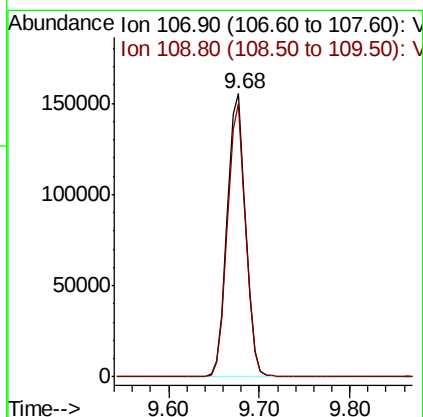
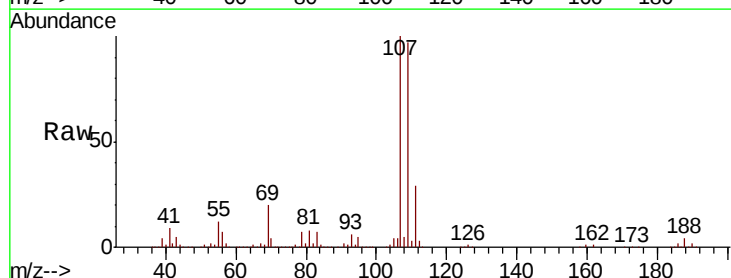
Instrument :
MSVOA_X
ClientSampleId :
FL-0540MS

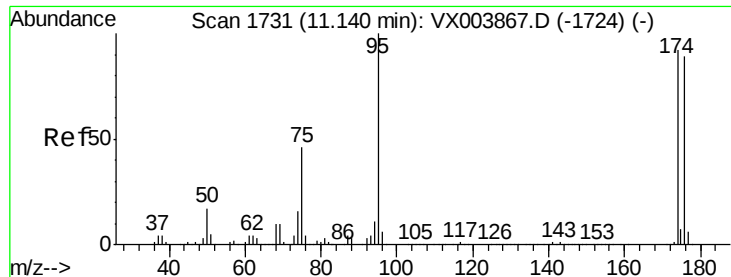
Tot Ion:129 Resp: 211644
Ion Ratio Lower Upper
129 100
127 77.5 38.8 116.3



#61
1,2-Dibromoethane
Concen: 53.81 ug/l
RT: 9.68 min Scan# 1491
Delta R.T. 0.00 min
Lab File: VX004010.D
Acq: 13 Aug 2018 19:40

Tgt Ion:107 Resp: 219537
Ion Ratio Lower Upper
107 100
109 95.6 75.8 113.8





#62

4-Bromofluorobenzene

Concen: 55.86 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampled :

FL-0540MS

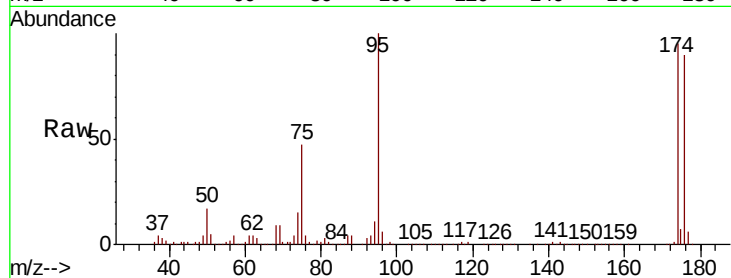
Tot Ion: 95 Resp: 249875

Ion Ratio Lower Upper

95 100

174 91.9 0.0 182.8

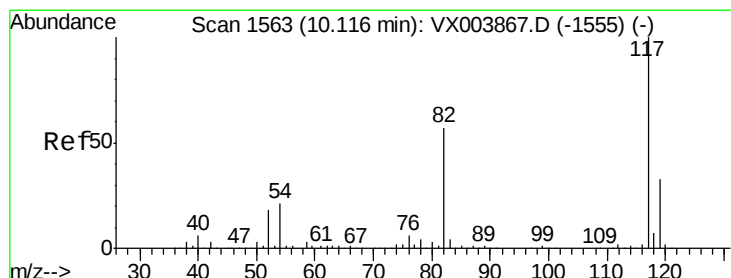
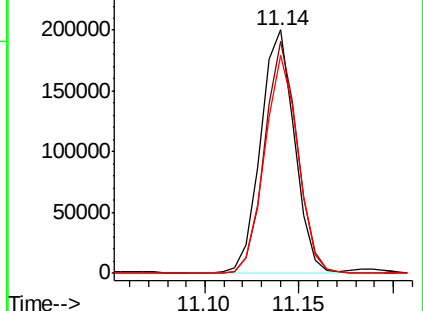
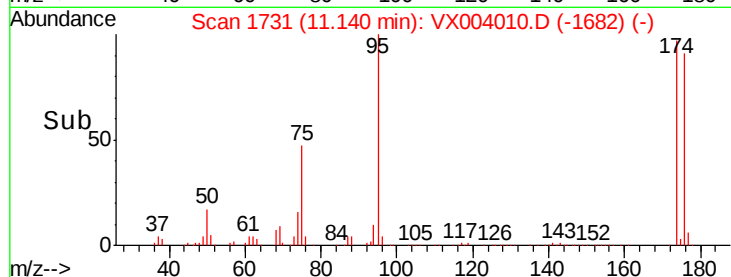
176 88.2 0.0 179.0



Abundance Ion 94.90 (94.60 to 95.60): VX004010.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX004010.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX004010.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

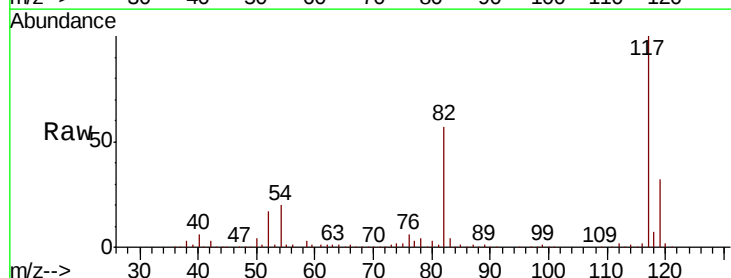
Tgt Ion: 117 Resp: 436215

Ion Ratio Lower Upper

117 100

82 56.9 45.4 68.0

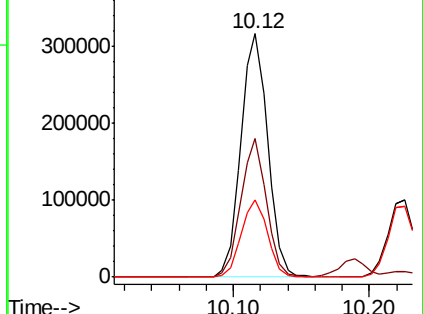
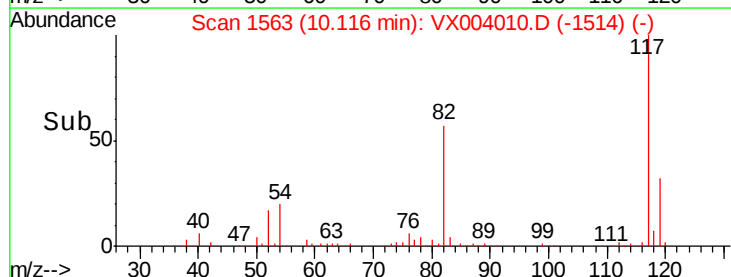
119 31.8 26.6 40.0

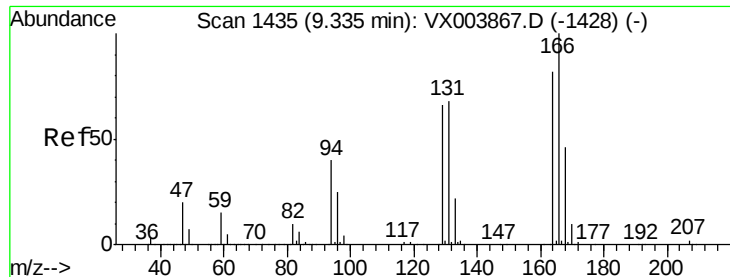


Abundance Ion 116.90 (116.60 to 117.60): VX004010.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX004010.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX004010.D (-1514) (-)





#64

Tetrachloroethene

Concen: 46.12 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. 0.00 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampled :

FL-0540MS

Tot Ion:164 Resp: 197911

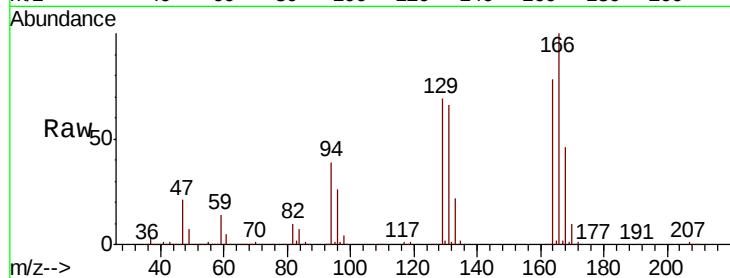
Ion Ratio Lower Upper

164 100

166 128.9 98.0 147.0

129 88.6 64.3 96.5

131 85.5 66.8 100.2

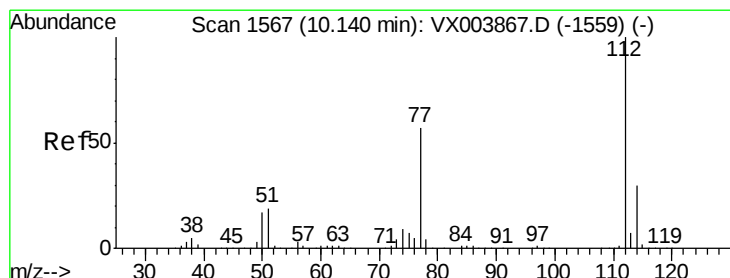
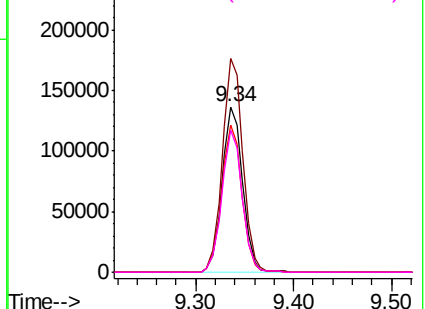
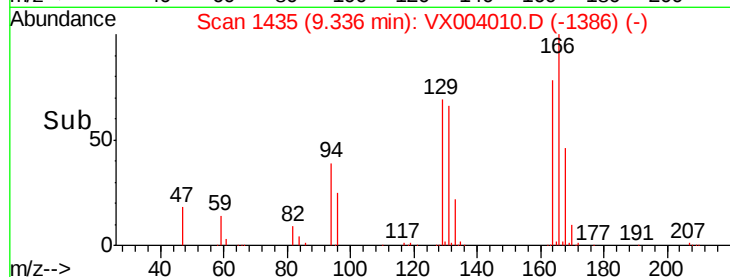


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 48.49 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX004010.D

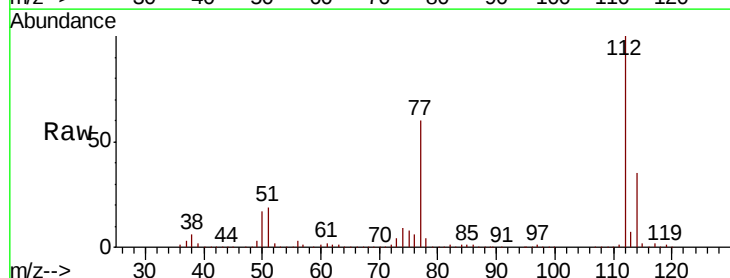
Acq: 13 Aug 2018 19:40

Tgt Ion:112 Resp: 550360

Ion Ratio Lower Upper

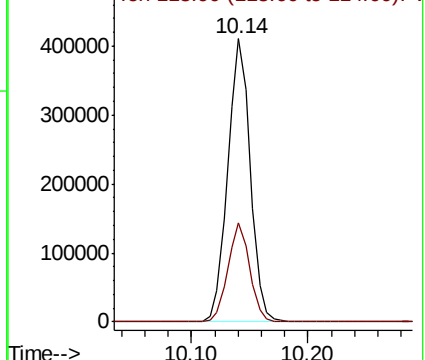
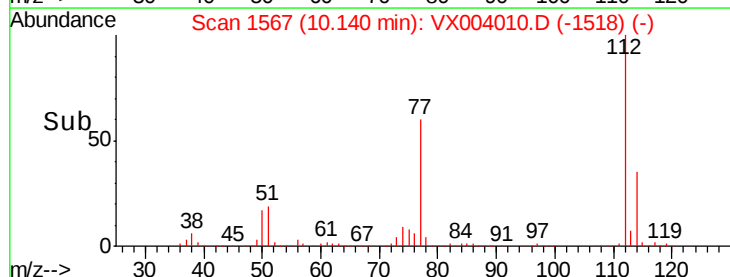
112 100

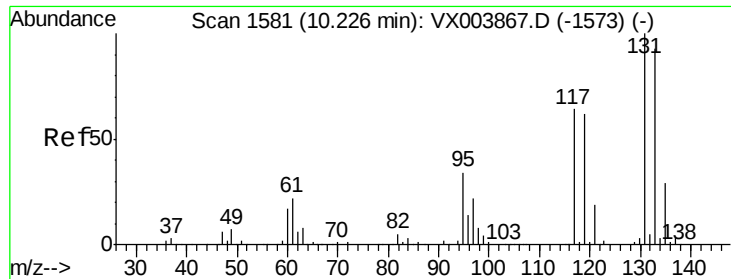
114 34.9 23.6 35.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 52.44 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampleId :

FL-0540MS

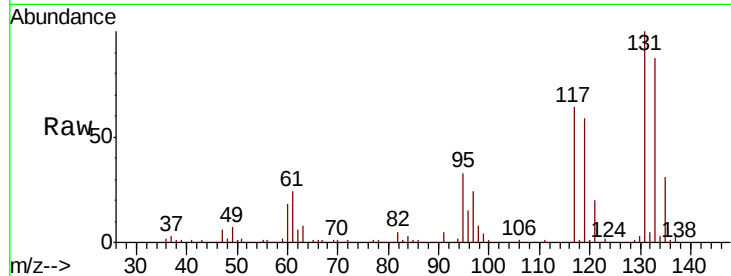
Tot Ion:131 Resp: 204632

Ion Ratio Lower Upper

131 100

133 92.9 47.3 141.8

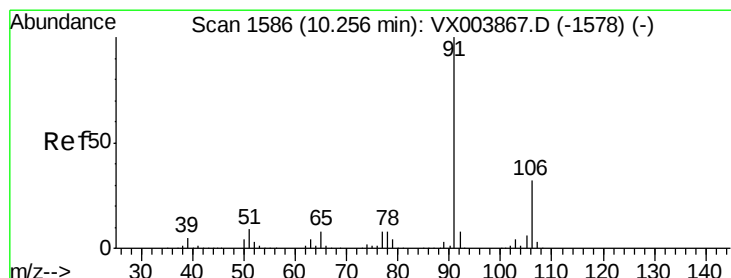
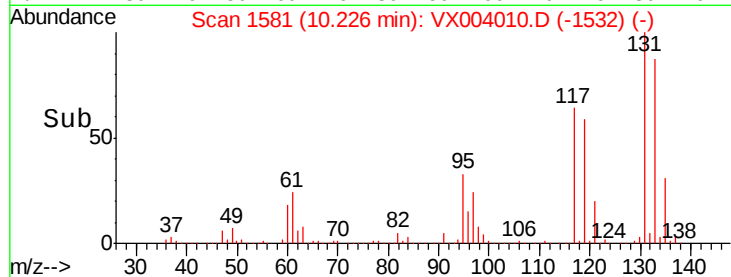
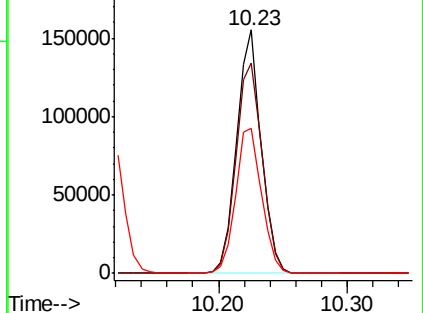
119 63.2 31.6 94.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 134.94 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX004010.D

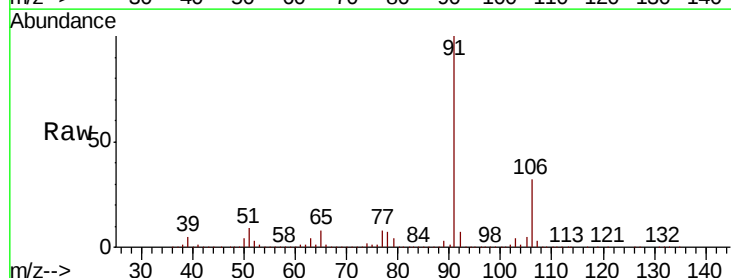
Acq: 13 Aug 2018 19:40

Tgt Ion: 91 Resp: 2507168

Ion Ratio Lower Upper

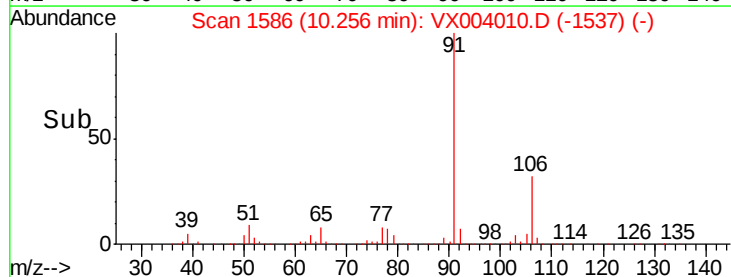
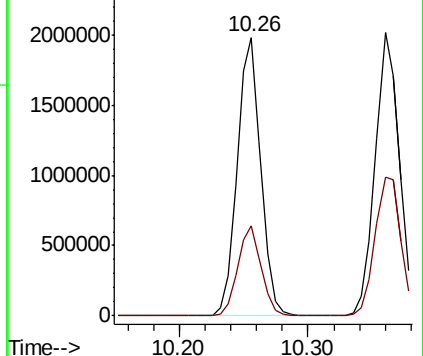
91 100

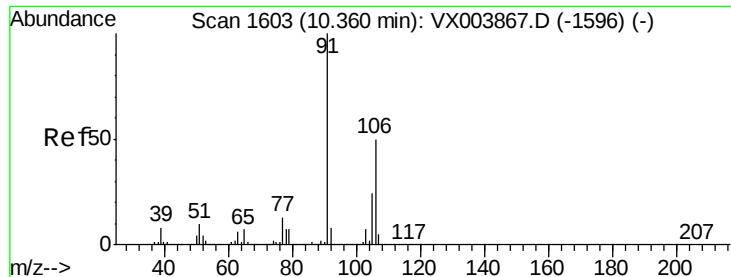
106 32.3 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

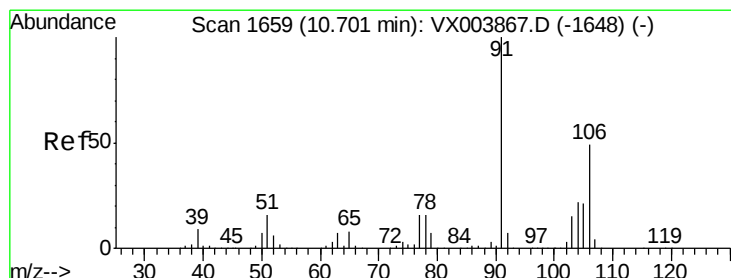
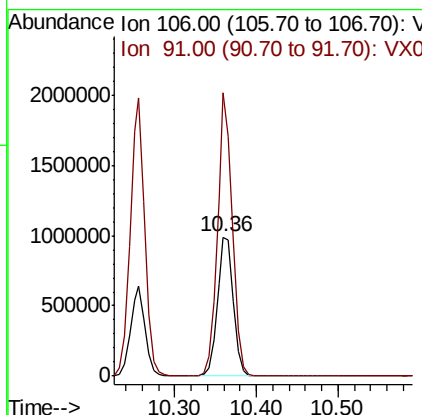
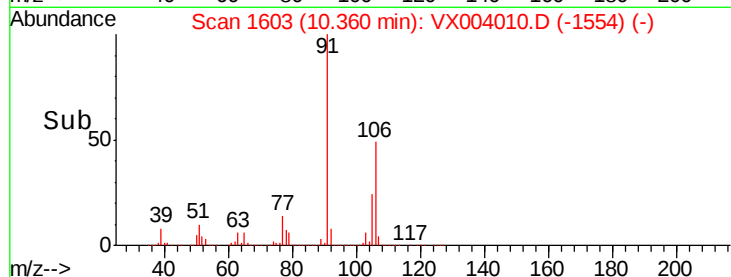
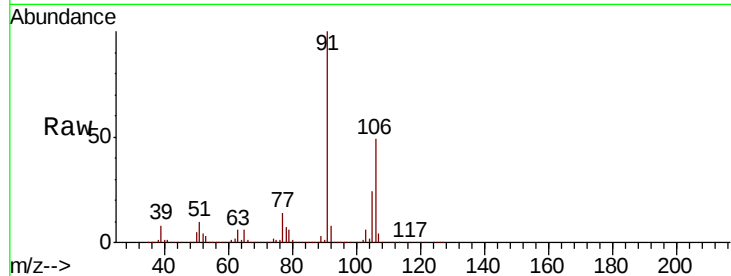




#68
m/p-Xvlenes
Concen: 186.90 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX004010.D
Acq: 13 Aug 2018 19:40

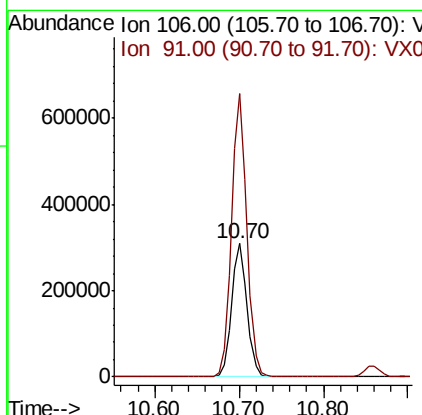
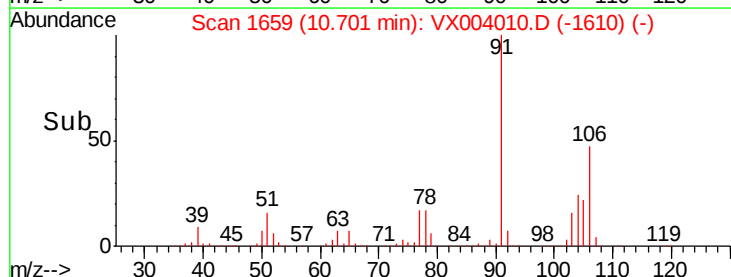
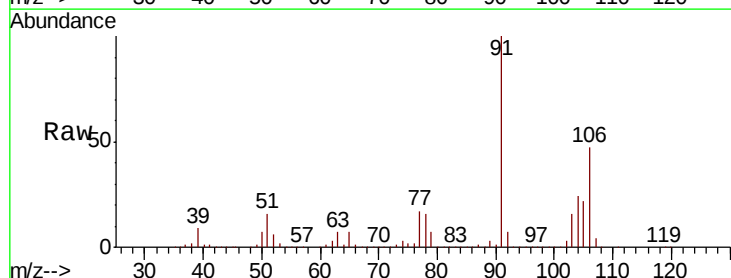
Instrument :
MSVOA_X
ClientSampleId :
FL-0540MS

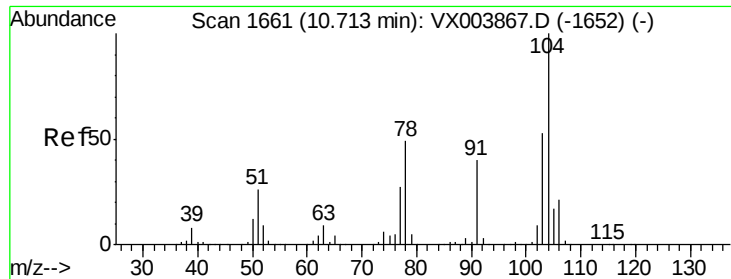
Tot Ion:106 Resp: 1356942
Ion Ratio Lower Upper
106 100
91 190.6 162.3 243.5



#69
o-Xylene
Concen: 55.80 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX004010.D
Acq: 13 Aug 2018 19:40

Tgt Ion:106 Resp: 382442
Ion Ratio Lower Upper
106 100
91 211.1 101.9 305.7

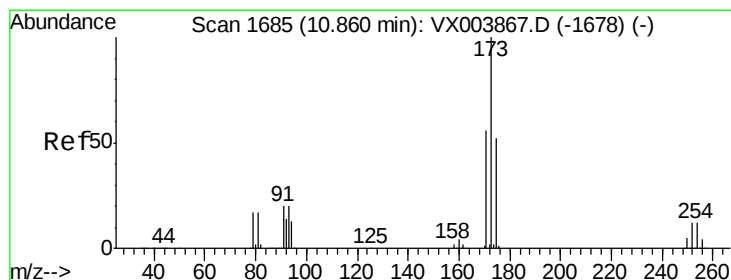
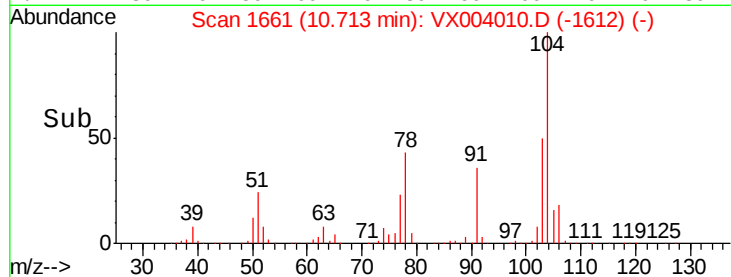
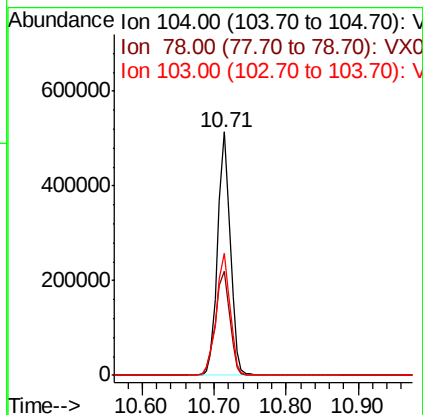
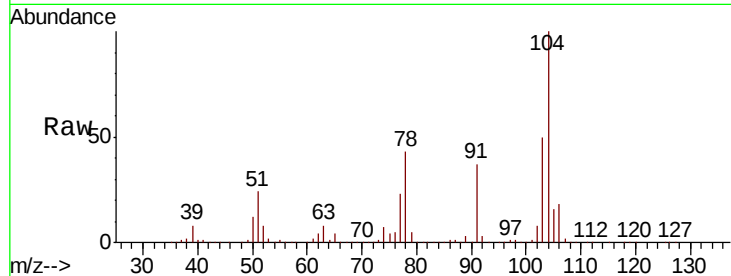




#70
Stvrene
Concen: 55.70 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX004010.D
Acq: 13 Aug 2018 19:40

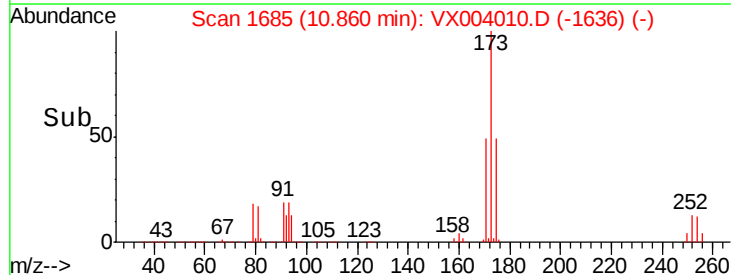
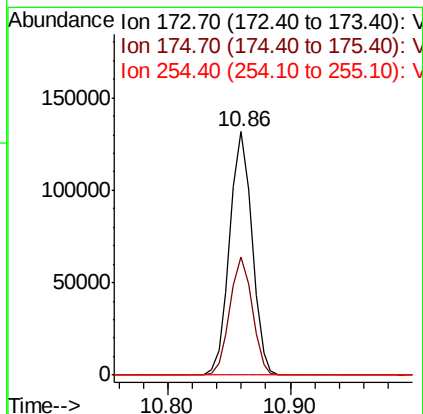
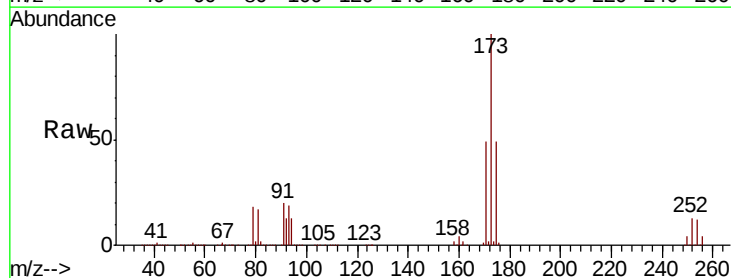
Instrument :
MSVOA_X
ClientSampleId :
FL-0540MS

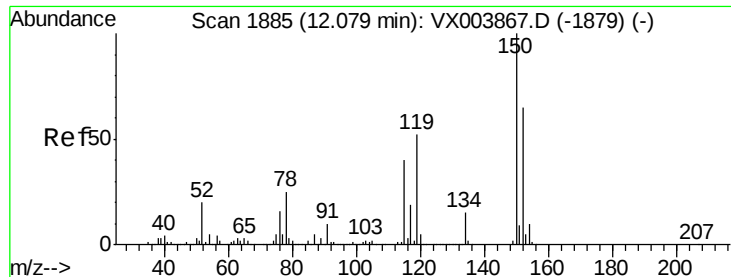
Tot Ion	Ratio	Lower	Upper
104	100		
78	48.9	39.8	59.6
103	54.5	44.3	66.5



#71
Bromoform
Concen: 57.02 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX004010.D
Acq: 13 Aug 2018 19:40

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.9	74.7
254	0.2	0.2	0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampleId :

FL-0540MS

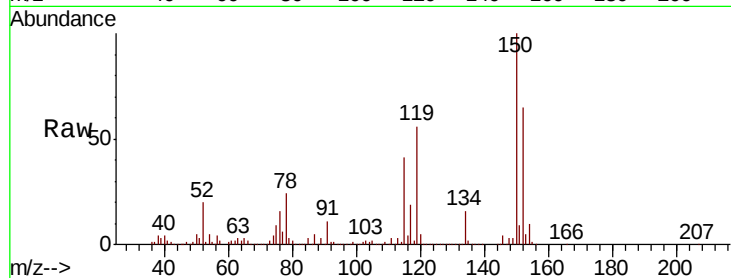
Tot Ion:152 Resp: 278615

Ion Ratio Lower Upper

152 100

115 82.1 39.1 117.3

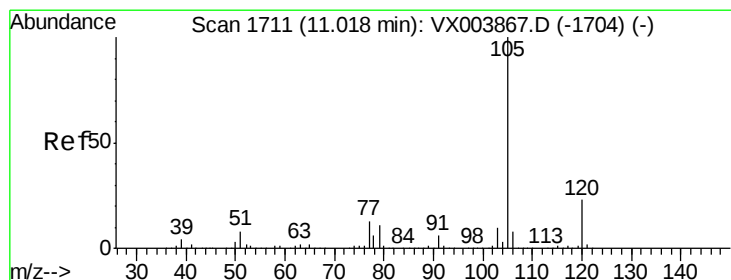
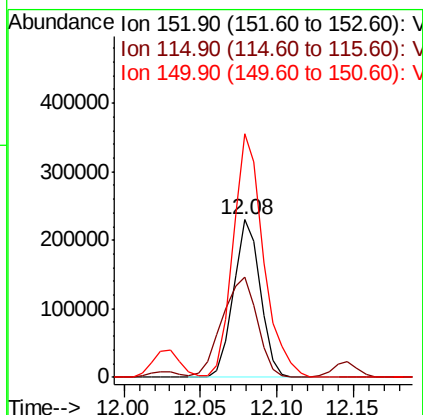
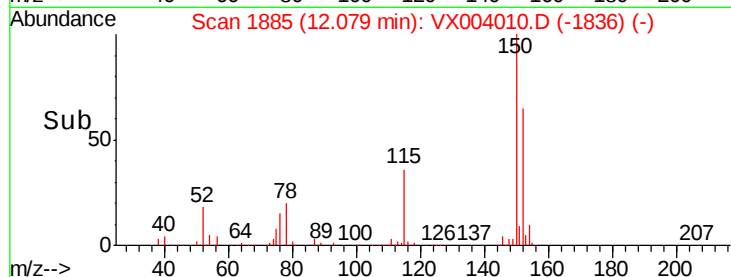
150 174.6 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 78.91 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX004010.D

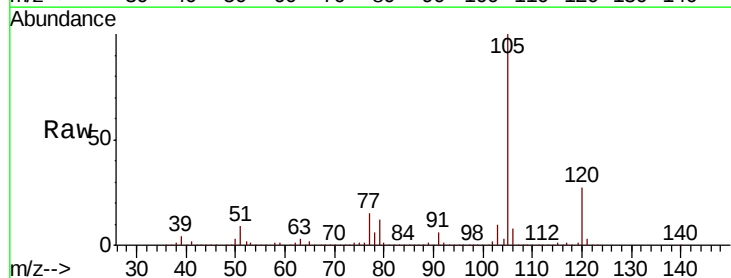
Acq: 13 Aug 2018 19:40

Tgt Ion:105 Resp: 1626318

Ion Ratio Lower Upper

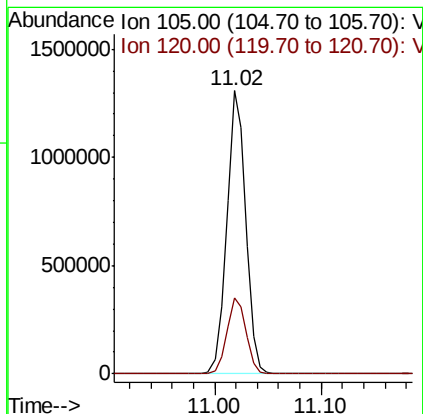
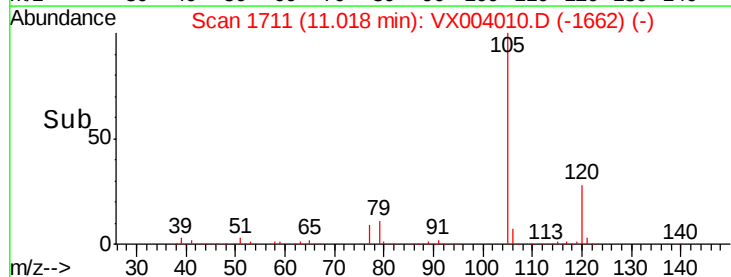
105 100

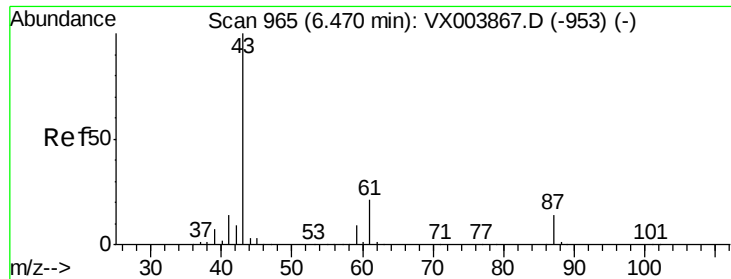
120 27.2 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 42.78 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampled :

FL-0540MS

Tot Ion: 43 Resp: 458481

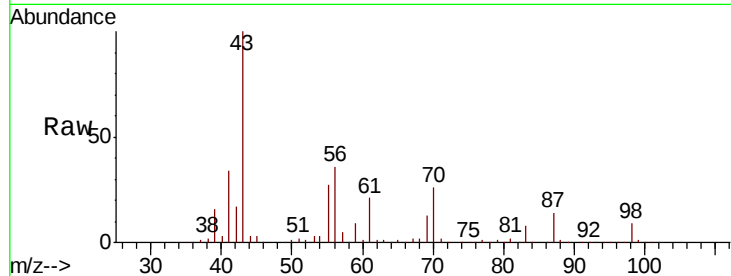
Ion Ratio Lower Upper

43 100

70 33.8 0.0 0.0#

55 33.9 0.1 0.1#

61 20.2 16.9 25.3

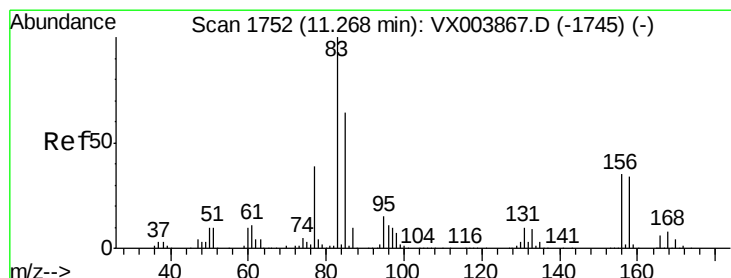
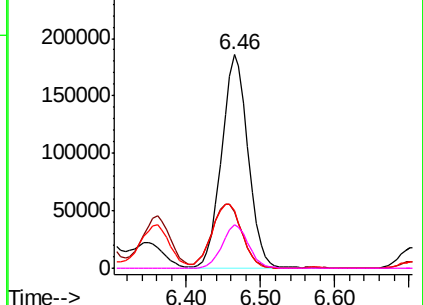
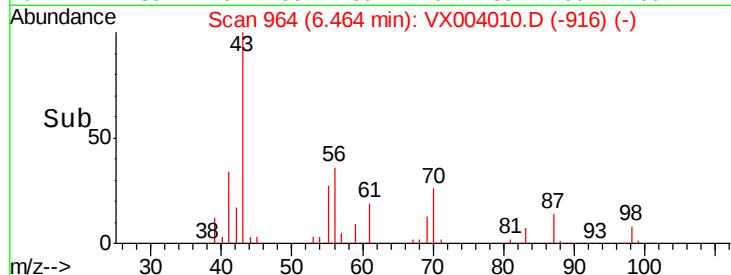


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 47.64 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

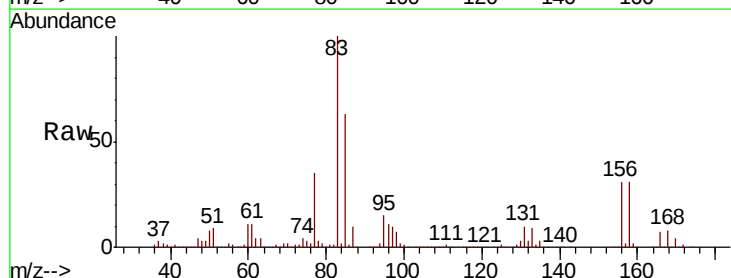
Tgt Ion: 83 Resp: 336543

Ion Ratio Lower Upper

83 100

131 10.4 5.2 15.6

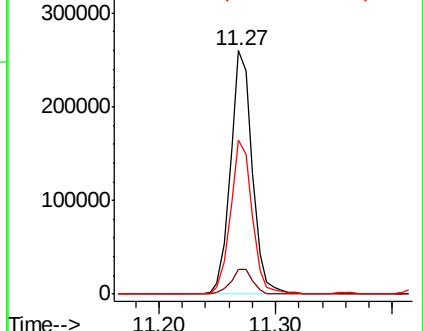
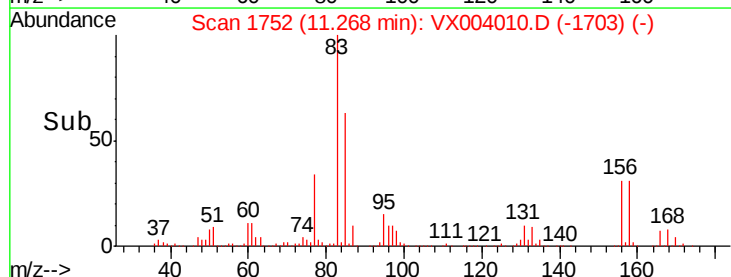
85 63.4 32.2 96.6

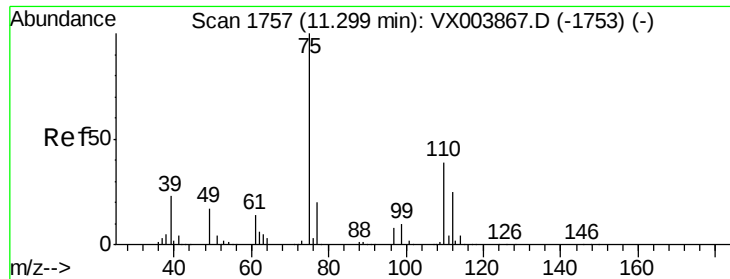


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 61.93 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampleId :

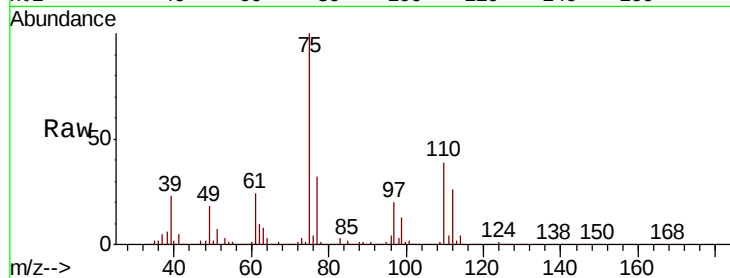
FL-0540MS

Tot Ion: 75 Resp: 381105

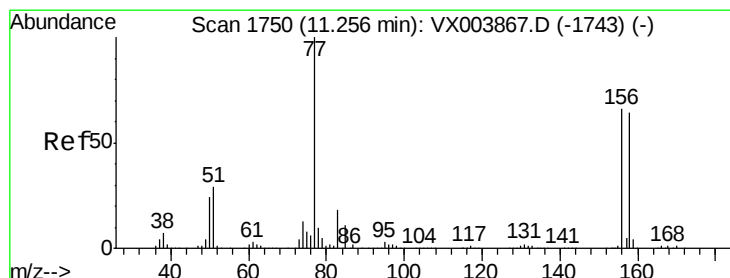
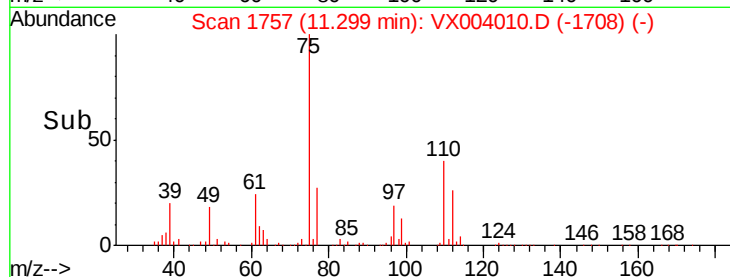
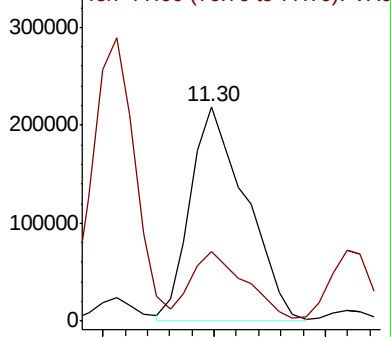
Ion Ratio Lower Upper

75 100

77 31.8 20.8 62.5



Abundance Ion 74.90 (74.60 to 75.60): VX003867.D (-1753) (-)



#77

Bromobenzene

Concen: 48.34 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

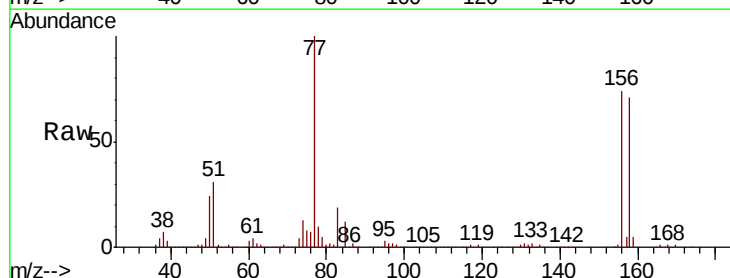
Tgt Ion: 156 Resp: 265815

Ion Ratio Lower Upper

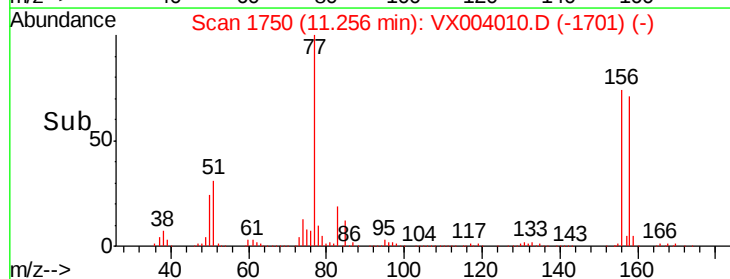
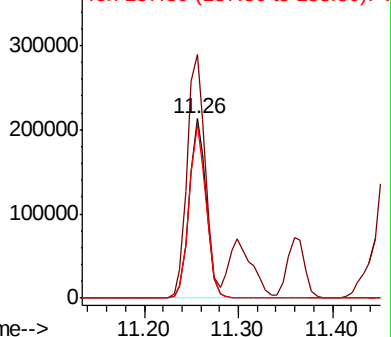
156 100

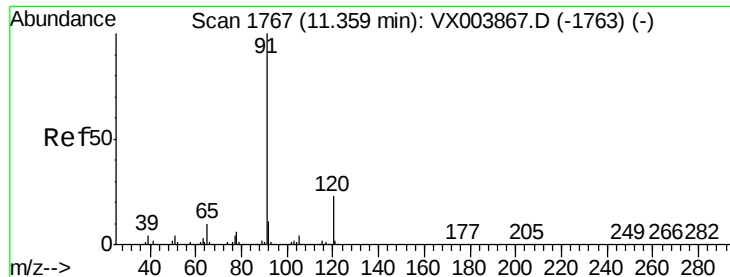
77 144.5 74.1 222.2

158 96.7 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): VX003867.D (-1743) (-)





#78

n-propylbenzene

Concen: 104.41 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampleId :

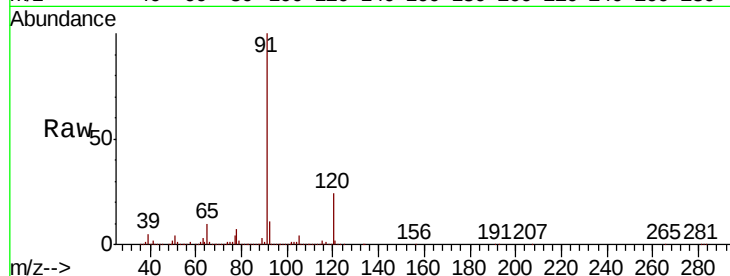
FL-0540MS

Tot Ion: 91 Resp: 2416434

Ion Ratio Lower Upper

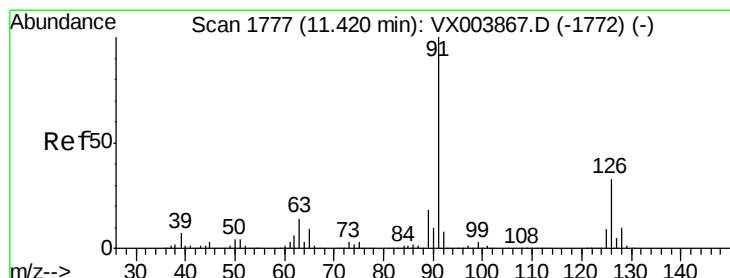
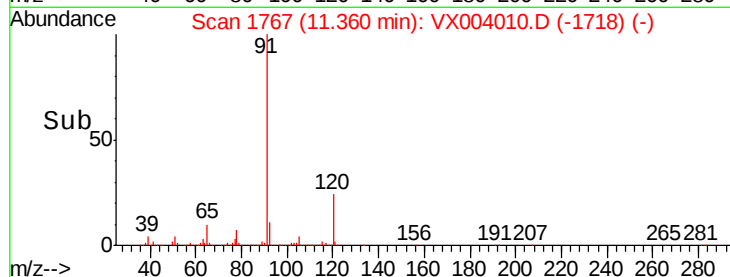
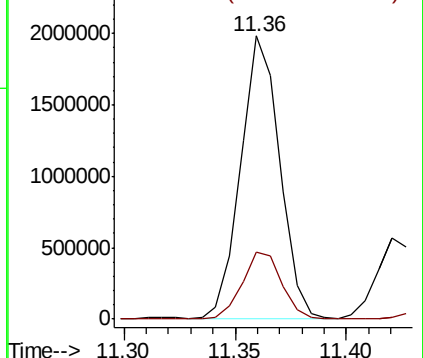
91 100

120 24.1 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 51.69 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX004010.D

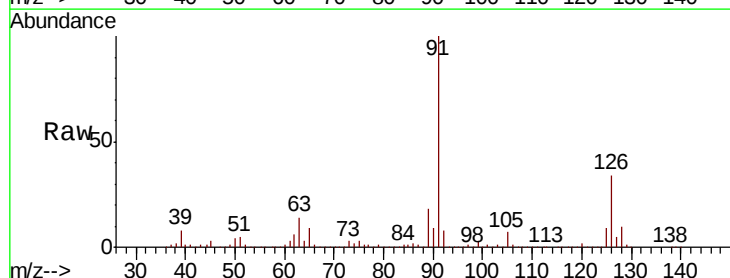
Acq: 13 Aug 2018 19:40

Tgt Ion: 91 Resp: 729345

Ion Ratio Lower Upper

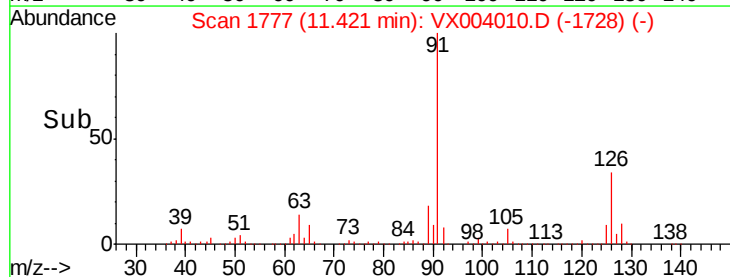
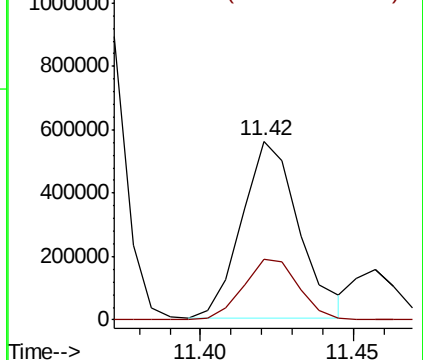
91 100

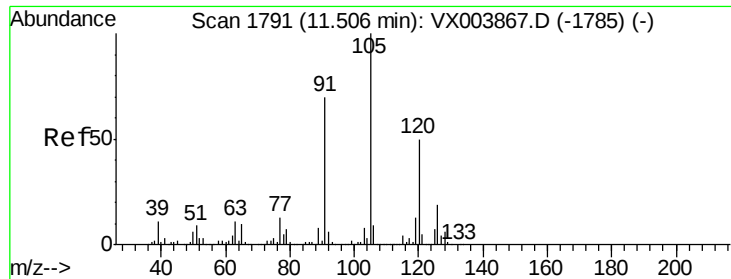
126 33.1 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

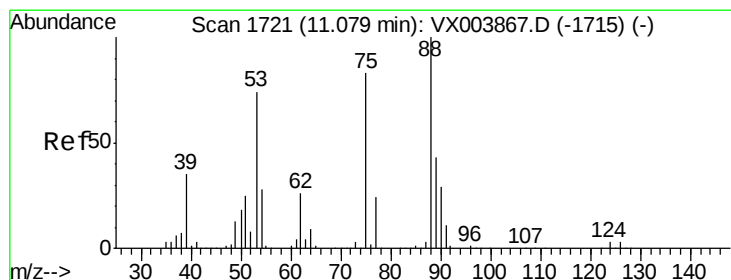
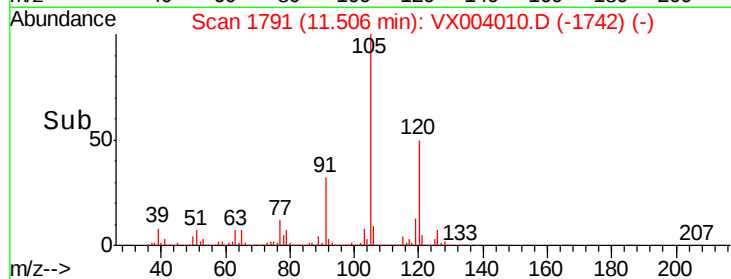
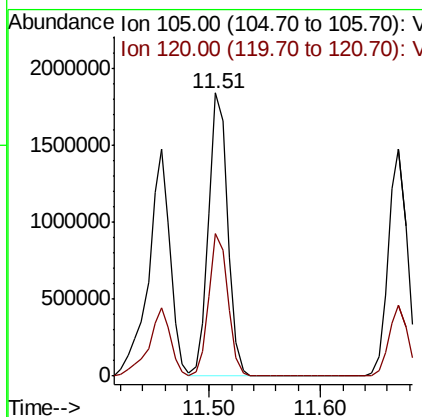
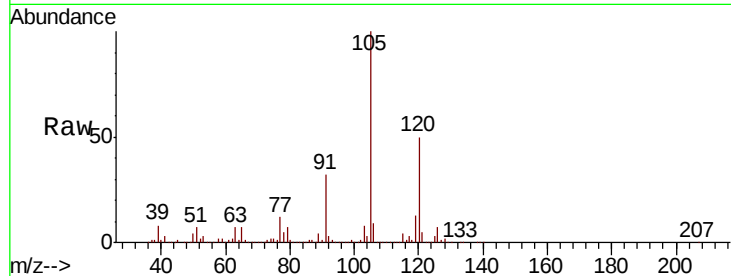




#80
 1,3,5-Trimethylbenzene
 Concen: 130.40 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX004010.D
 Acq: 13 Aug 2018 19:40

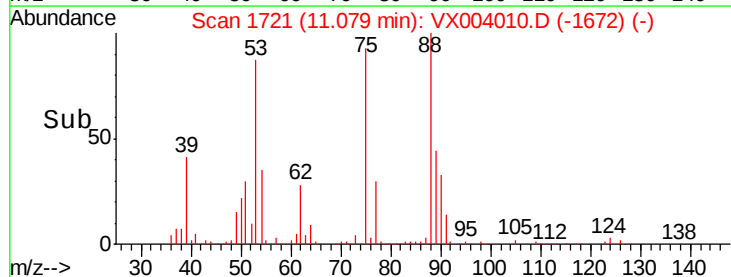
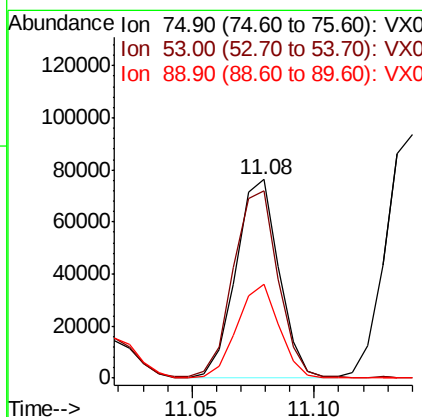
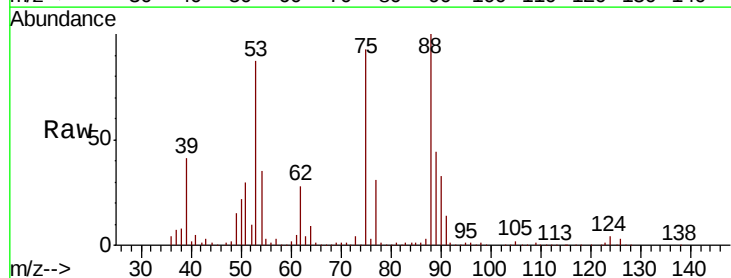
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0540MS

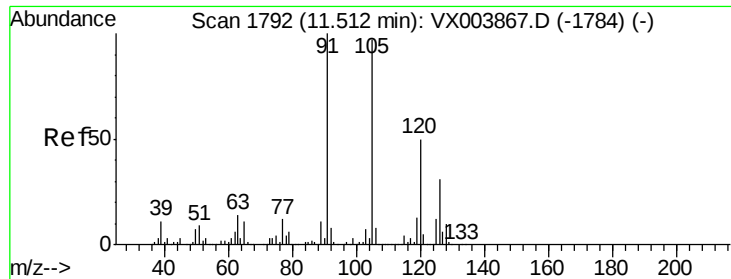
Tot Ion:105 Resp: 2191514
 Ion Ratio Lower Upper
 105 100
 120 50.5 25.4 76.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.08 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: VX004010.D
 Acq: 13 Aug 2018 19:40

Tgt Ion: 75 Resp: 93039
 Ion Ratio Lower Upper
 75 100
 53 97.4 80.3 120.5
 89 46.6 37.8 56.8

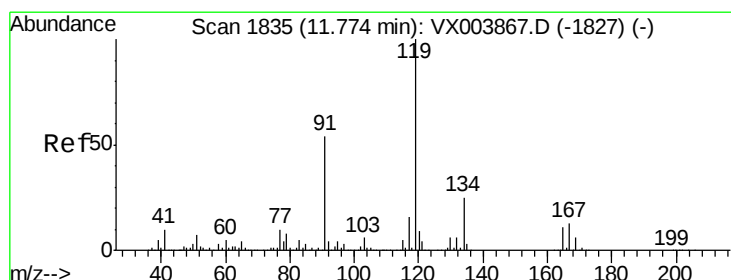
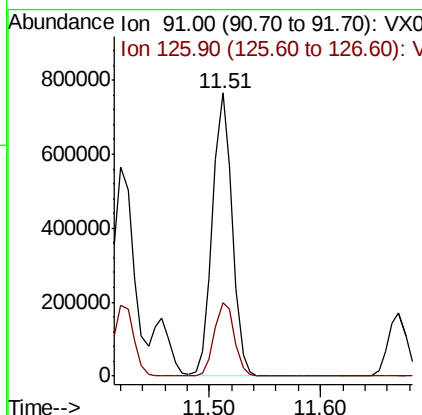
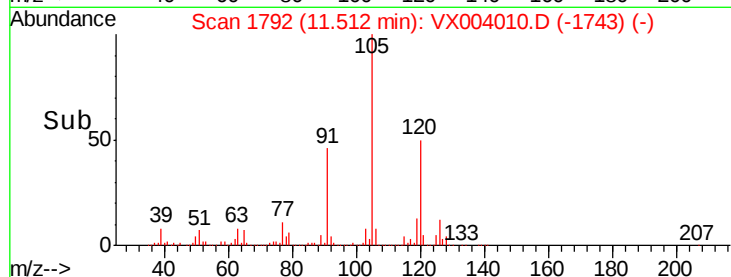
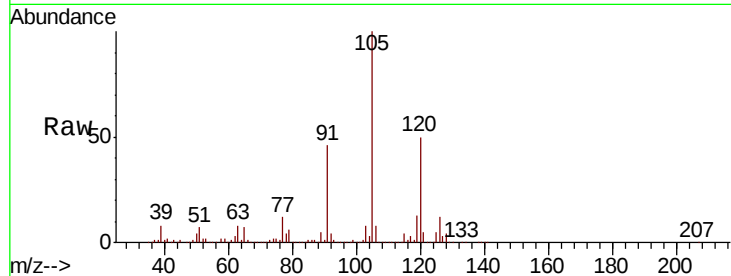




#82
4-Chlorotoluene
Concen: 56.85 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004010.D
Acq: 13 Aug 2018 19:40

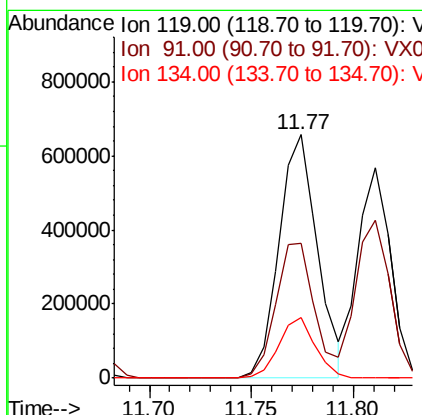
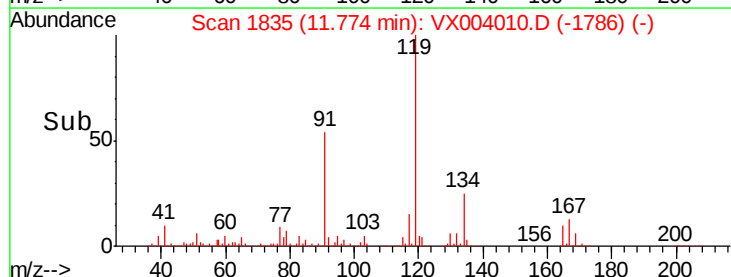
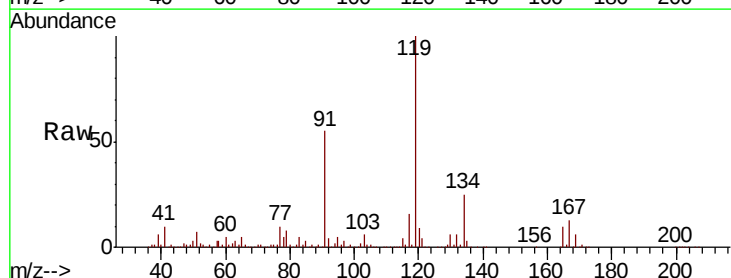
Instrument :
MSVOA_X
ClientSampled :
FL-0540MS

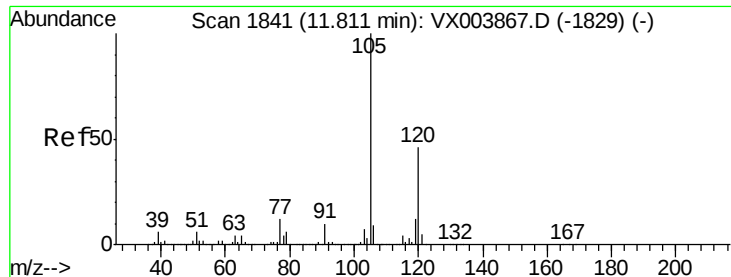
Tot Ion: 91 Resp: 939824
Ion Ratio Lower Upper
91 100
126 26.6 15.6 46.7



#83
tert-Butylbenzene
Concen: 52.25 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX004010.D
Acq: 13 Aug 2018 19:40

Tgt Ion: 119 Resp: 863953
Ion Ratio Lower Upper
119 100
91 56.1 26.9 80.7
134 23.6 12.0 36.0

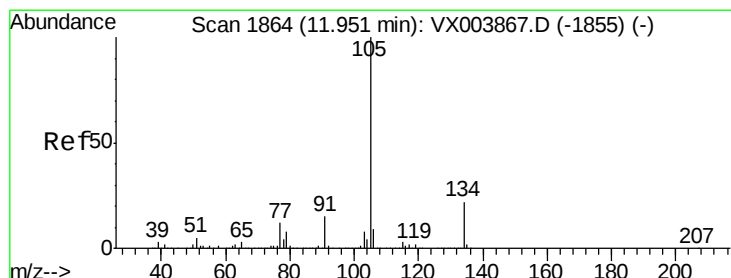
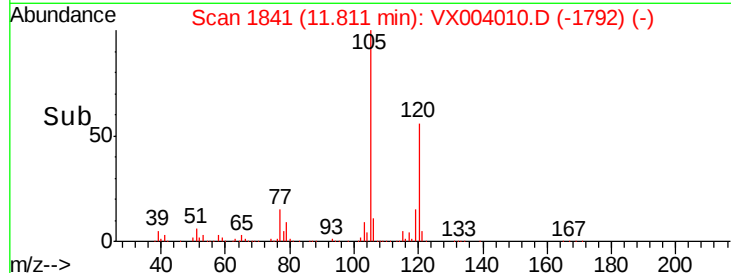
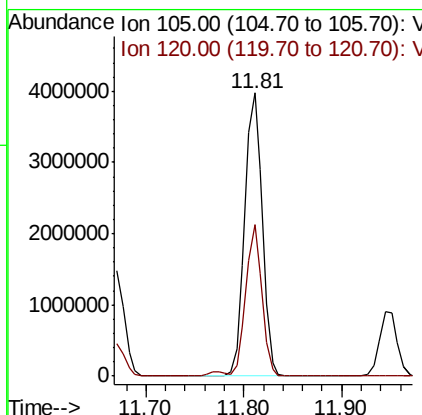
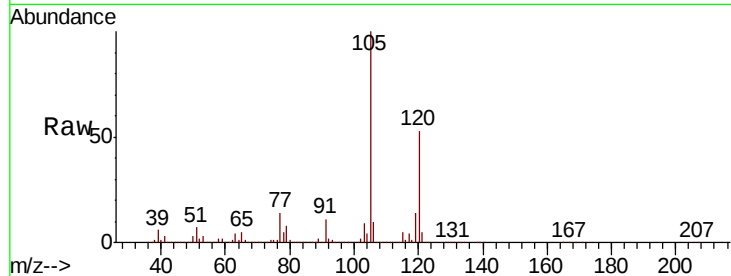




#84
 1,2,4-Trimethylbenzene
 Concen: 293.16 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX004010.D
 Acq: 13 Aug 2018 19:40

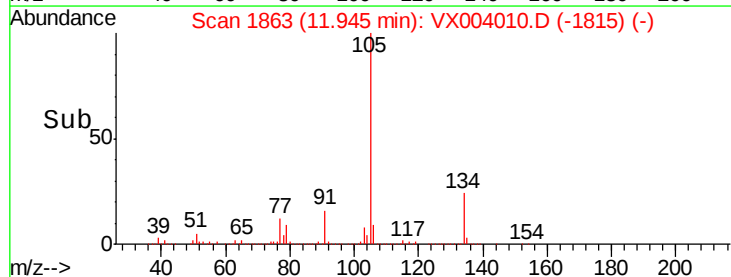
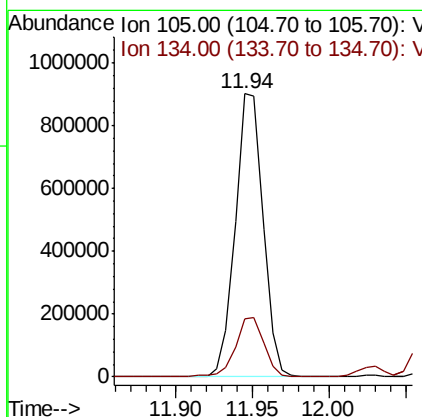
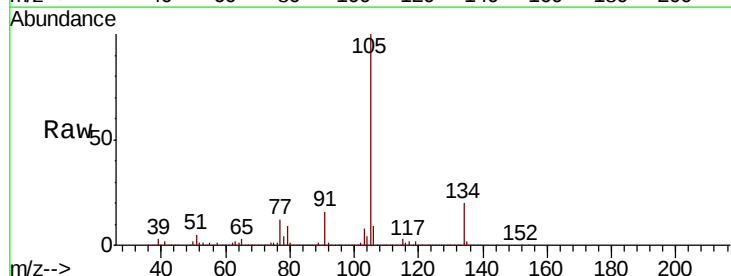
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0540MS

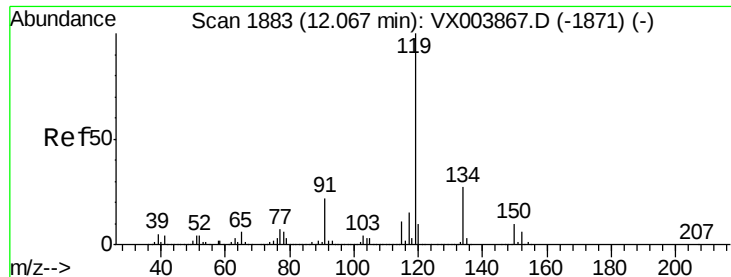
Tot Ion:105 Resp: 4953972
 Ion Ratio Lower Upper
 105 100
 120 49.2 23.1 69.2



#85
 sec-Butylbenzene
 Concen: 58.16 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.01 min
 Lab File: VX004010.D
 Acq: 13 Aug 2018 19:40

Tgt Ion:105 Resp: 1134905
 Ion Ratio Lower Upper
 105 100
 134 21.6 10.3 30.9

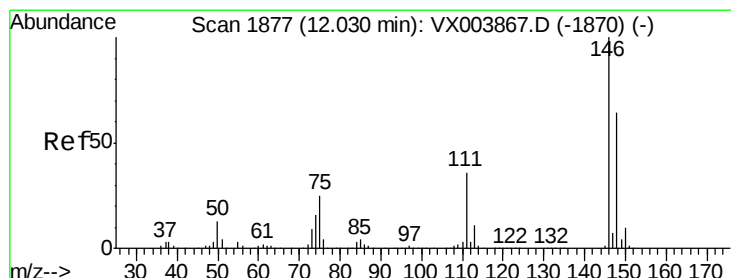
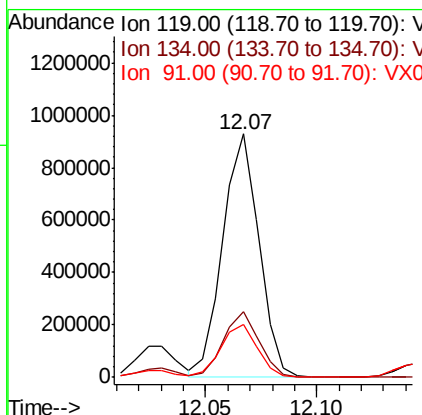
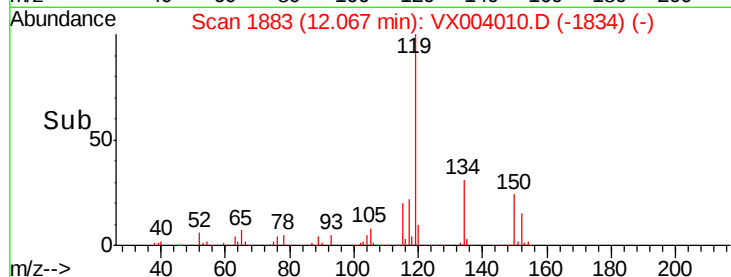
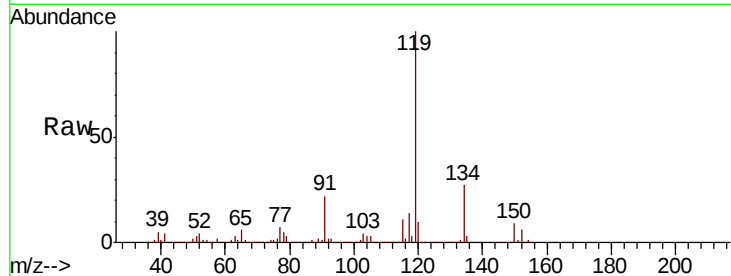




#86
 p-Isopropyltoluene
 Concen: 60.19 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX004010.D
 Acq: 13 Aug 2018 19:40

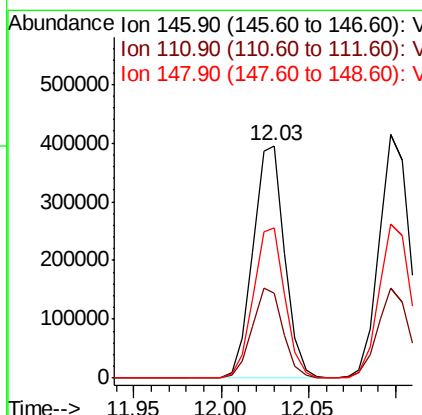
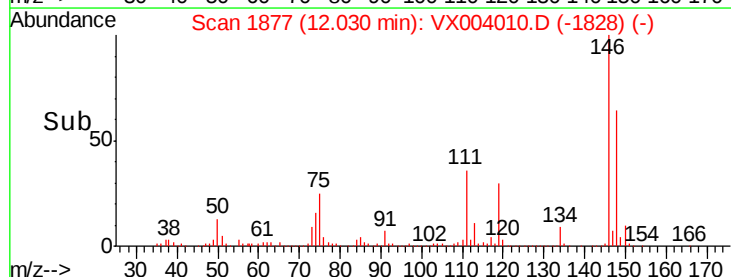
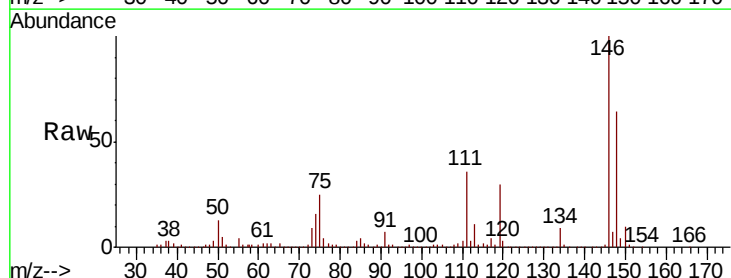
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0540MS

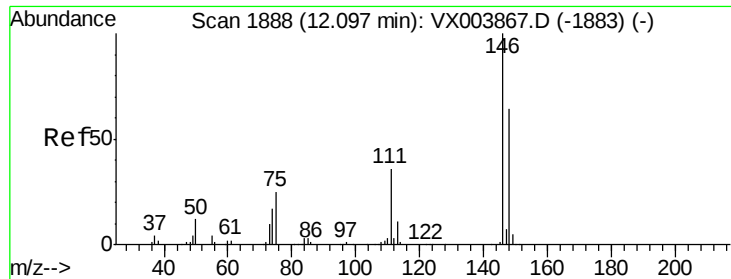
Tot Ion:119 Resp: 1053868
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.3 39.8
 91 21.8 10.9 32.7



#87
 1,3-Dichlorobenzene
 Concen: 49.40 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX004010.D
 Acq: 13 Aug 2018 19:40

Tgt Ion:146 Resp: 502116
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.8 56.4
 148 64.2 31.9 95.5





#88

1,4-Dichlorobenzene

Concen: 47.68 ug/l

RT: 12.10 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampled :

FL-0540MS

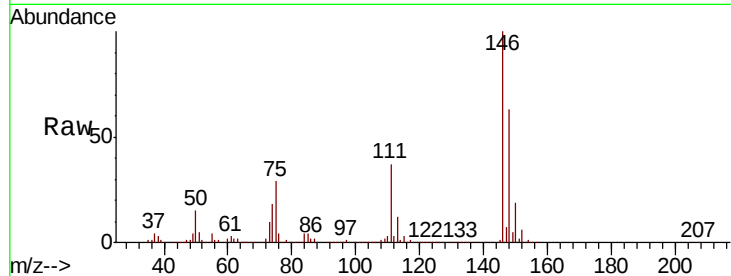
Tot Ion:146 Resp: 502683

Ion Ratio Lower Upper

146 100

111 37.1 18.4 55.0

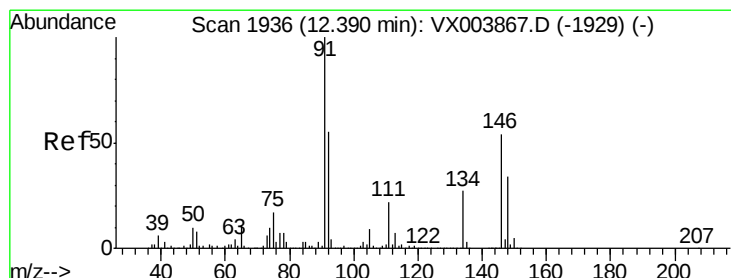
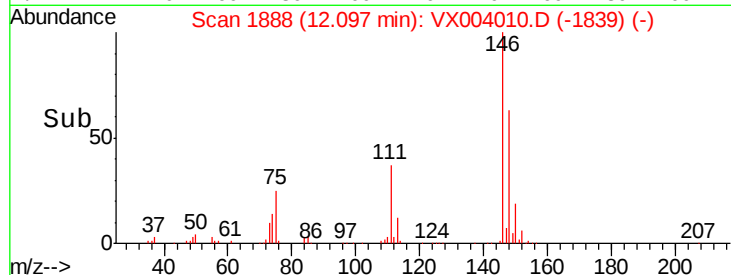
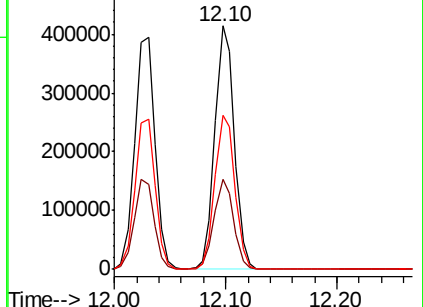
148 64.9 32.3 96.8



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: 56.94 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

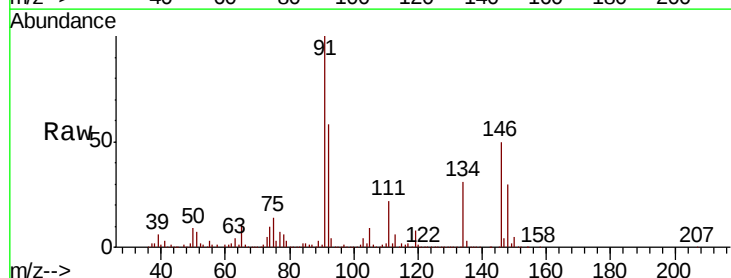
Tgt Ion: 91 Resp: 868818

Ion Ratio Lower Upper

91 100

92 52.9 27.1 81.3

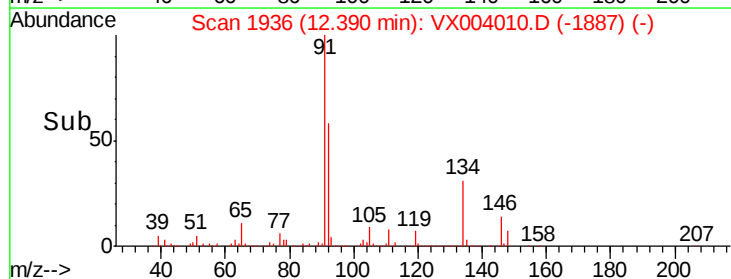
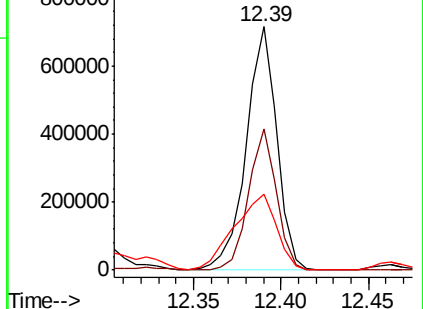
134 42.6 13.6 40.7#

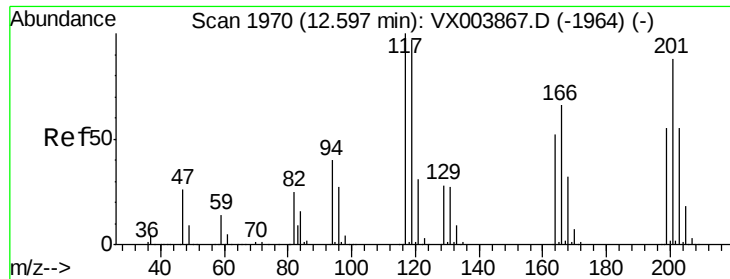


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 61.05 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampleId :

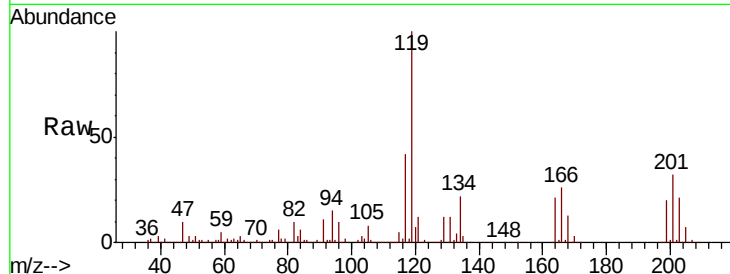
FL-0540MS

Tot Ion:117 Resp: 173570

Ion Ratio Lower Upper

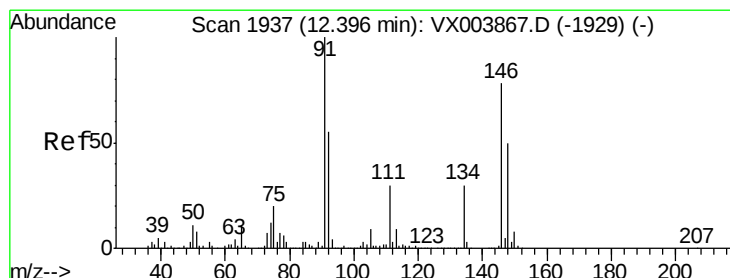
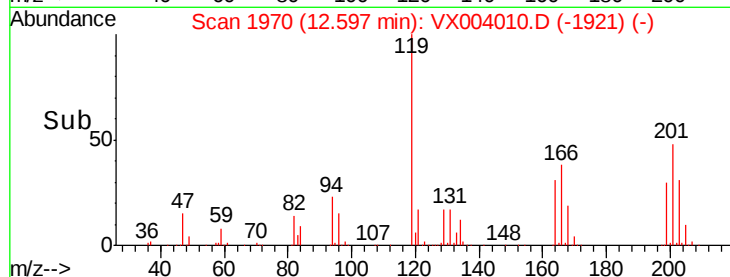
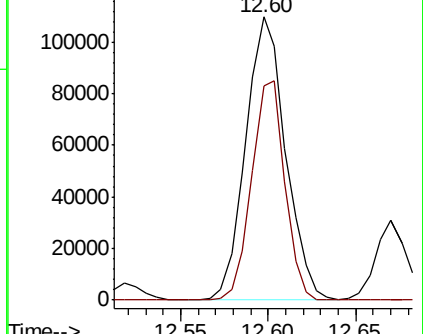
117 100

201 64.7 46.1 138.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 45.63 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.01 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

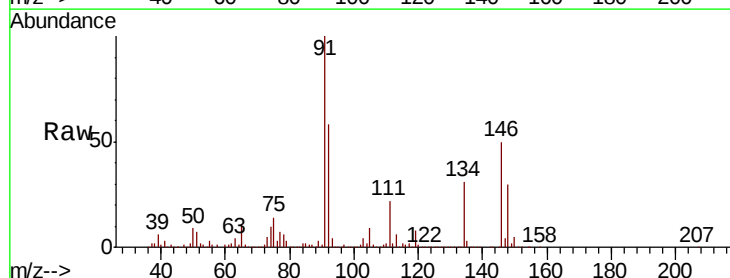
Tgt Ion:146 Resp: 459670

Ion Ratio Lower Upper

146 100

111 40.2 19.7 59.0

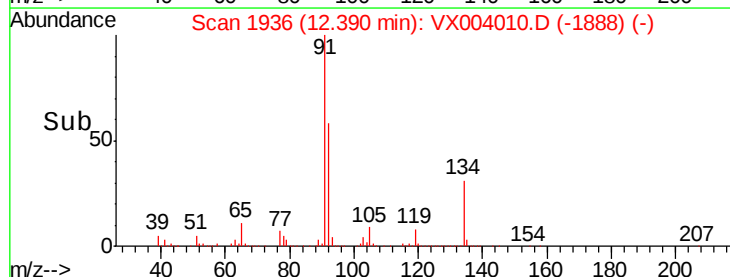
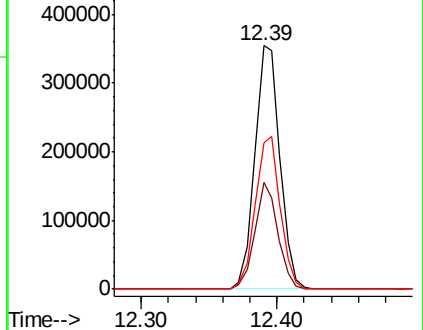
148 62.3 31.9 95.5

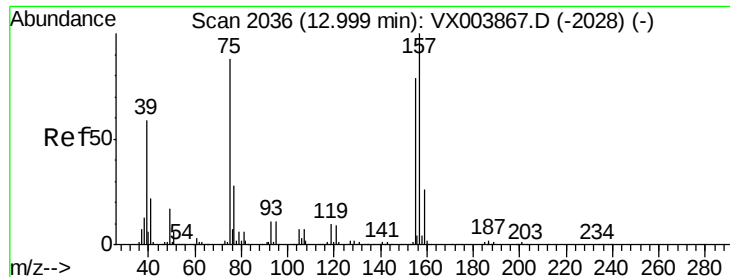


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 45.04 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampleId :

FL-0540MS

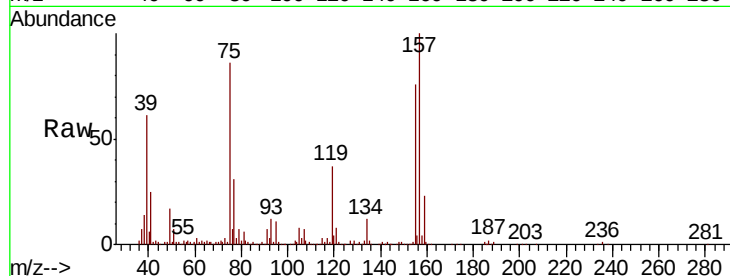
Tot Ion: 75 Resp: 65181

Ion Ratio Lower Upper

75 100

155 92.9 48.7 146.1

157 118.8 62.6 187.8

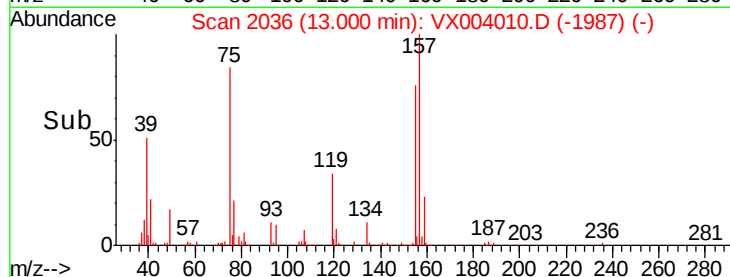


Abundance Ion 74.90 (74.60 to 75.60): VX003867.D (-2028) (-)

Ion 154.80 (154.50 to 155.50): VX003867.D (-2028) (-)

Ion 156.80 (156.50 to 157.50): VX003867.D (-2028) (-)

Time-->

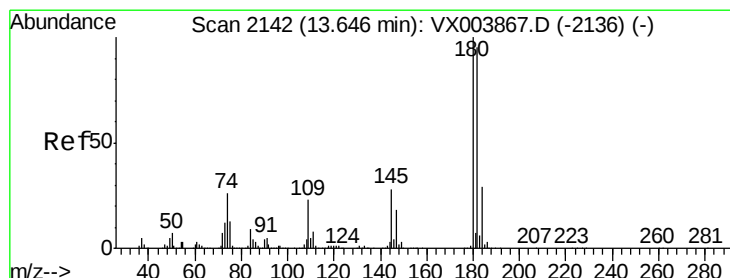


Abundance Ion 74.90 (74.60 to 75.60): VX004010.D (-1987) (-)

Ion 154.80 (154.50 to 155.50): VX004010.D (-1987) (-)

Ion 156.80 (156.50 to 157.50): VX004010.D (-1987) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 47.44 ug/l

RT: 13.65 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

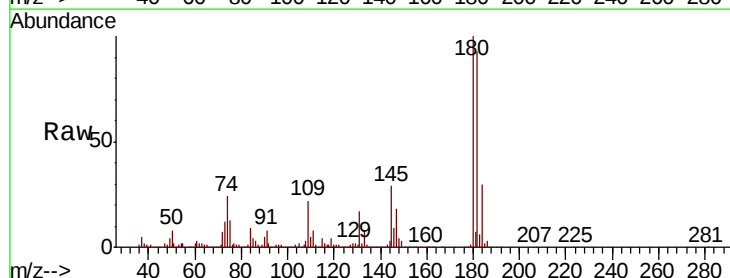
Tgt Ion: 180 Resp: 343710

Ion Ratio Lower Upper

180 100

182 97.1 47.7 143.1

145 31.6 13.9 41.6

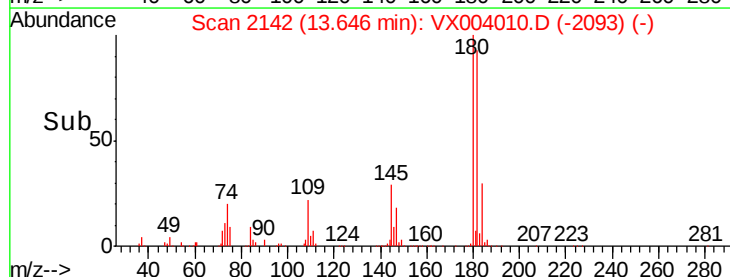


Abundance Ion 179.80 (179.50 to 180.50): VX003867.D (-2136) (-)

Ion 181.80 (181.50 to 182.50): VX003867.D (-2136) (-)

Ion 144.80 (144.50 to 145.50): VX003867.D (-2136) (-)

Time-->

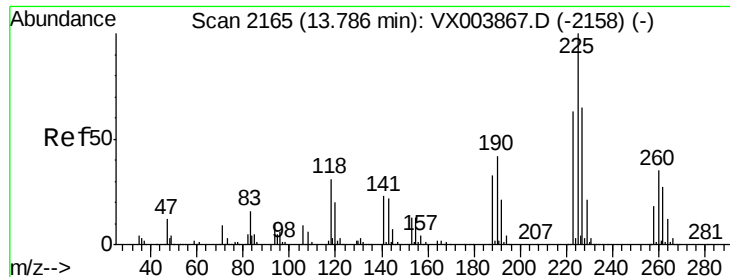


Abundance Ion 179.80 (179.50 to 180.50): VX004010.D (-2093) (-)

Ion 181.80 (181.50 to 182.50): VX004010.D (-2093) (-)

Ion 144.80 (144.50 to 145.50): VX004010.D (-2093) (-)

Time-->



#94

Hexachlorobutadiene

Concen: 42.51 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampleId :

FL-0540MS

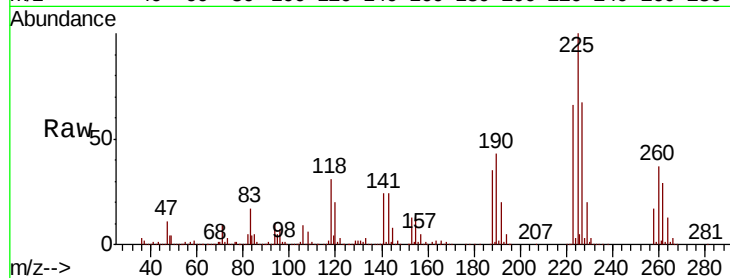
Tot Ion:225 Resp: 144268

Ion Ratio Lower Upper

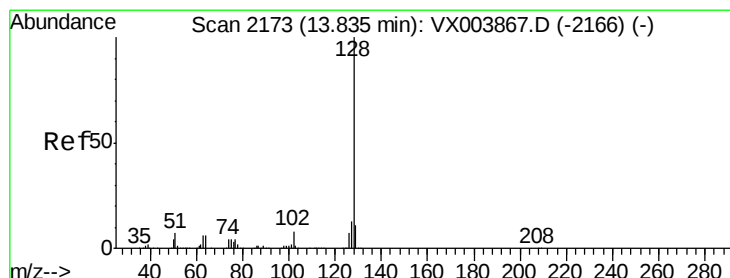
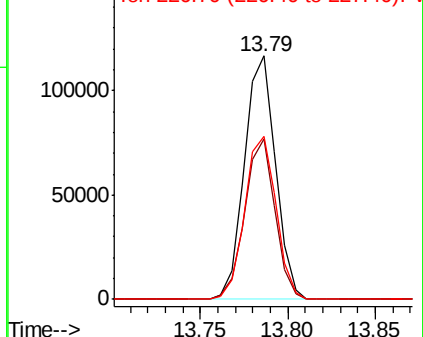
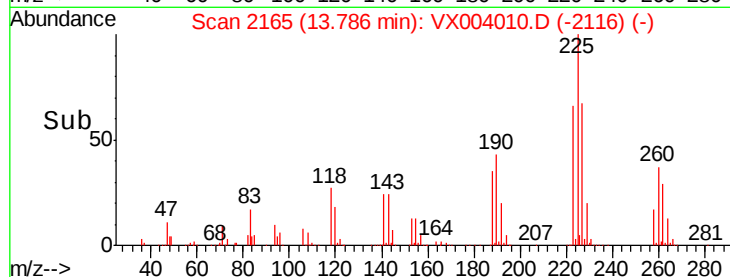
225 100

223 63.8 31.4 94.0

227 67.4 32.1 96.5



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



#95

Naphthalene

Concen: 74.61 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX004010.D

Acq: 13 Aug 2018 19:40

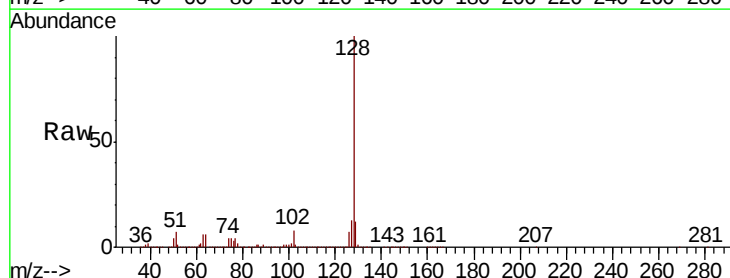
Tgt Ion:128 Resp: 1548361

Ion Ratio Lower Upper

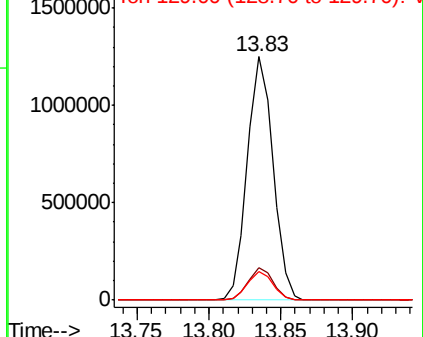
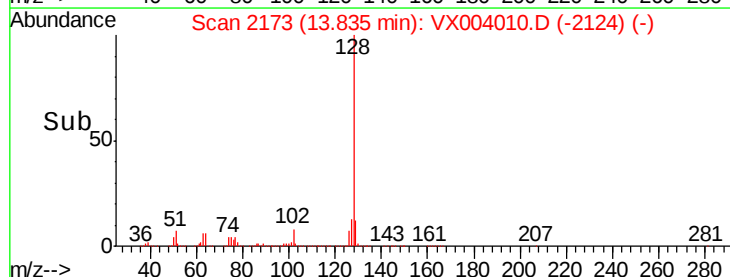
128 100

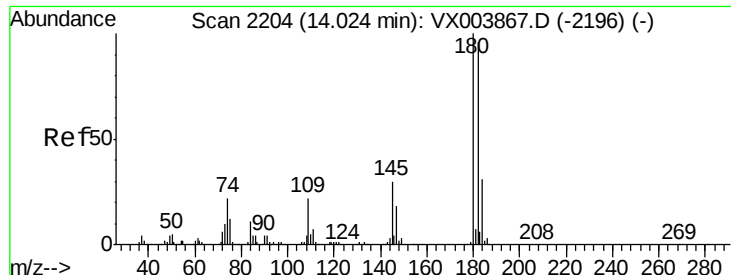
127 12.9 10.2 15.2

129 11.7 8.8 13.2



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: 51.59 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VX004010.D
 Acq: 13 Aug 2018 19:40

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0540MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.1	144.4
145	35.8	14.9	44.7

