

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082318\
 Data File : VX004223.D
 Acq On : 23 Aug 2018 13:40
 Operator : JC/MD
 Sample : J4579-06DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0546DL

Quant Time: Aug 24 09:38:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	306288	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	480865	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	420198	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	262103	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	203403	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
35) Dibromofluoromethane	5.51	113	172741	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	
50) Toluene-d8	8.71	98	680259	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
62) 4-Bromofluorobenzene	11.14	95	243720	48.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.74%	

Target Compounds

						Qvalue
3) Chloromethane	1.32	50	1415	0.65	ug/l	# 75
5) Bromomethane	1.65	94	1235	Below	Cal	# 100
6) Chloroethane	1.69	64	214	1.04	ug/l	# 44
10) Methyl Iodide	2.51	142	925	4.48	ug/l	# 89
11) Tert butyl alcohol	3.06	59	314	0.37	ug/l	# 72
13) Acrolein	2.29	56	63	0.31	ug/l	# 24
14) Allyl chloride	2.84	41	9084	1.52	ug/l	# 64
15) Acrylonitrile	3.16	53	1965	0.93	ug/l	# 49
16) Acetone	2.45	43	2446	Below	Cal	# 87
17) Carbon Disulfide	2.57	76	744	0.88	ug/l	# 85
18) Methyl Acetate	2.84	43	22796	3.85	ug/l	# 51
20) Methylene Chloride	2.85	84	1483	0.39	ug/l	# 79
25) 2-Butanone	4.72	43	556	Below	Cal	# 47
29) Tetrahydrofuran	5.16	42	744	0.43	ug/l	# 73
31) Cyclohexane	5.57	56	55748	9.96	ug/l	# 98
36) 1,1-Dichloropropene	5.67	75	20349	3.76	ug/l	# 50
38) Carbon Tetrachloride	5.66	117	26609	5.23	ug/l	# 16
39) Methylcyclohexane	7.46	83	347088	56.23	ug/l	# 99
43) Isopropyl Acetate	6.45	43	3859	0.47	ug/l	# 59
45) 1,2-Dichloropropane	7.46	63	3283	0.81	ug/l	# 1
46) Dibromomethane	7.45	93	555	0.21	ug/l	# 1
48) Methyl methacrylate	7.73	41	13205	3.02	ug/l	# 53
51) 4-Methyl-2-Pentanone	8.66	43	2302	0.39	ug/l	# 34
55) 1,1,2-Trichloroethane	9.16	97	10056	2.46	ug/l	# 21
56) Ethyl methacrylate	9.16	69	2351	0.42	ug/l	# 1
67) Ethyl Benzene	10.25	91	31867	1.86	ug/l	# 96
68) m/p-Xylenes	10.36	106	28205	4.21	ug/l	# 98
69) o-Xylene	10.70	106	9571	1.51	ug/l	# 94
73) Isopropylbenzene	11.02	105	79386	4.61	ug/l	# 99
76) 1,2,3-Trichloropropane	11.43	75	5446	1.02	ug/l	# 1
78) n-propylbenzene	11.36	91	252848	12.77	ug/l	# 100
79) 2-Chlorotoluene	11.43	91	73123	6.00	ug/l	# 39
80) 1,3,5-Trimethylbenzene	11.51	105	296617	20.81	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	11.14	75	115065	70.04	ug/l	# 10

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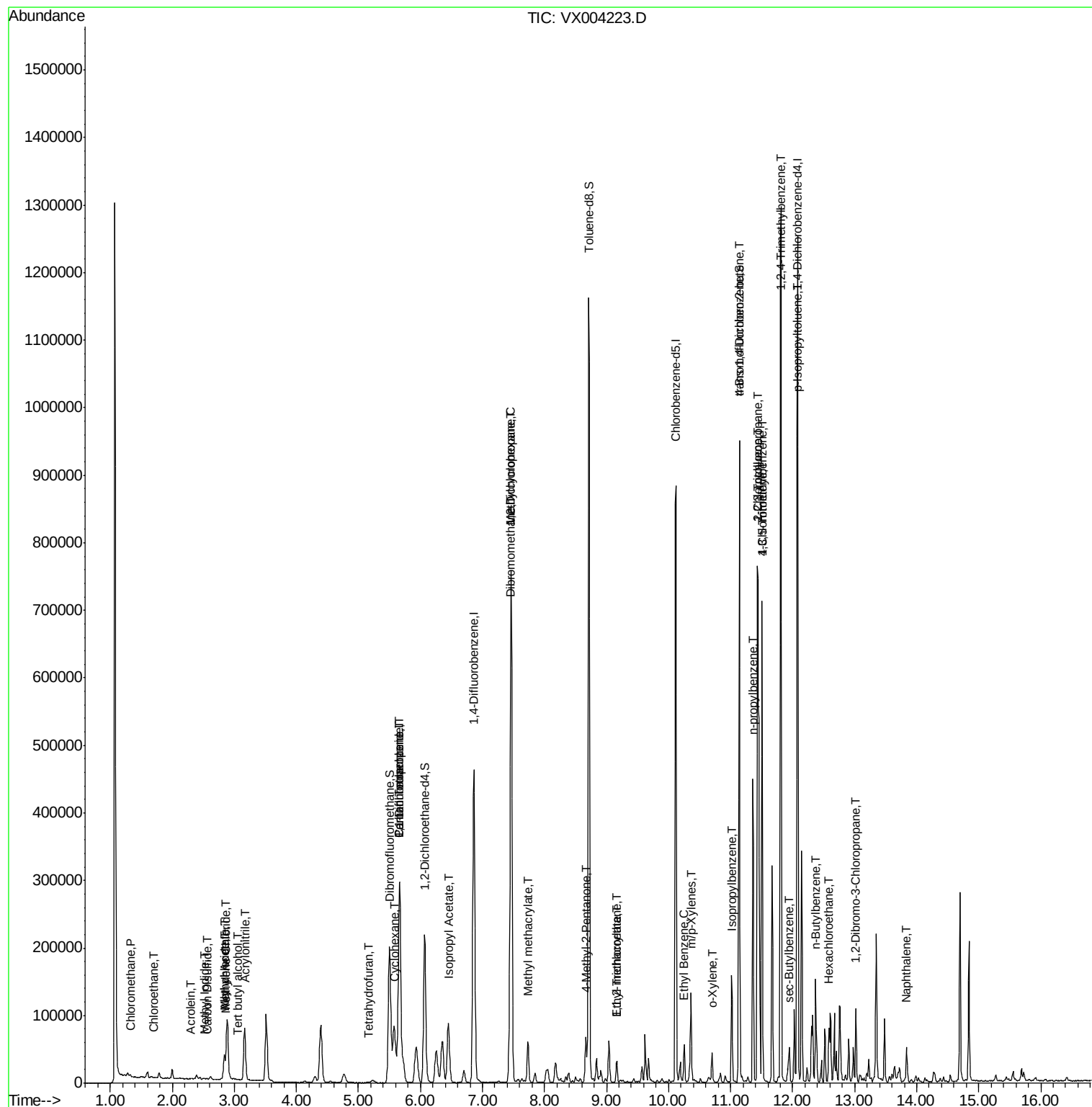
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	11.51	91	31115	2.17	ug/l #	44
84) 1,2,4-Trimethylbenzene	11.81	105	585508	40.01	ug/l	98
85) sec-Butylbenzene	11.94	105	27933	1.64	ug/l	84
86) p-Isopropyltoluene	12.07	119	28227	1.85	ug/l	98
89) n-Butylbenzene	12.38	91	21187	1.71	ug/l #	23
90) Hexachloroethane	12.59	117	3625	1.70	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	13.02	75	419	0.39	ug/l #	1
94) Hexachlorobutadiene	13.79	225	122	Below	Cal	94
95) Naphthalene	13.83	128	31594	1.85	ug/l #	97

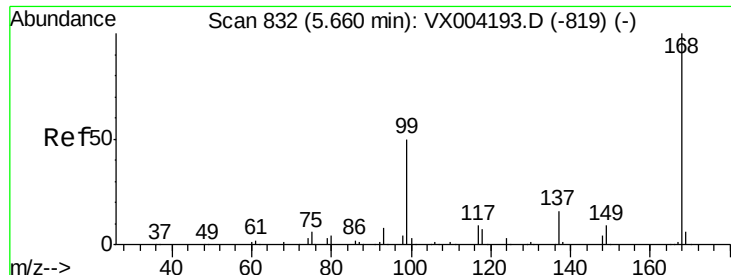
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX082318\
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.01 min

Lab File: VX004223.D

Acq: 23 Aug 2018 13:40

Instrument :

MSVOA_X

ClientSampleId :

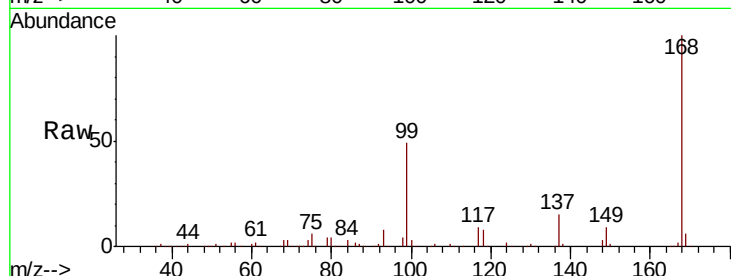
FL-0546DL

Tot Ion:168 Resp: 306288

Ion Ratio Lower Upper

168 100

99 49.2 39.9 59.9



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

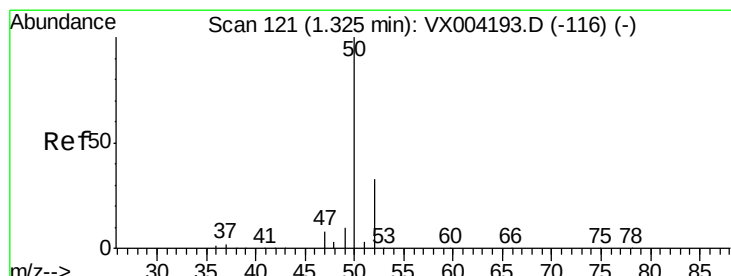
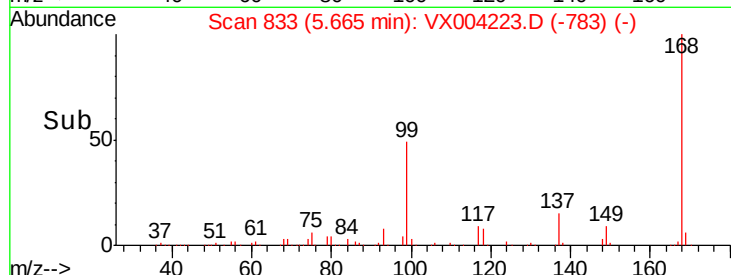
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: 0.65 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004223.D

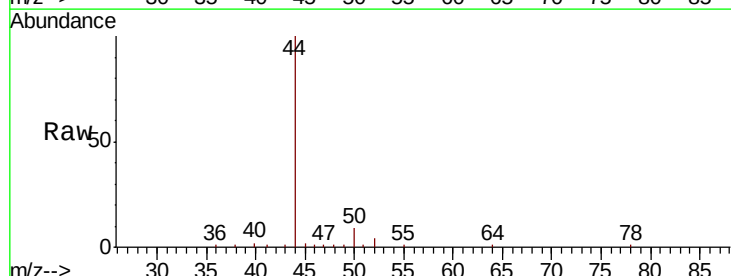
Acq: 23 Aug 2018 13:40

Tgt Ion: 50 Resp: 1415

Ion Ratio Lower Upper

50 100

52 46.7 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1000

800

600

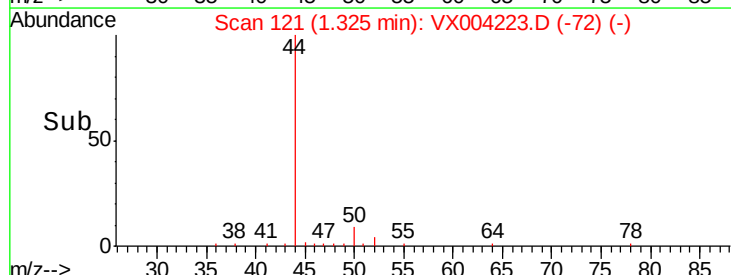
400

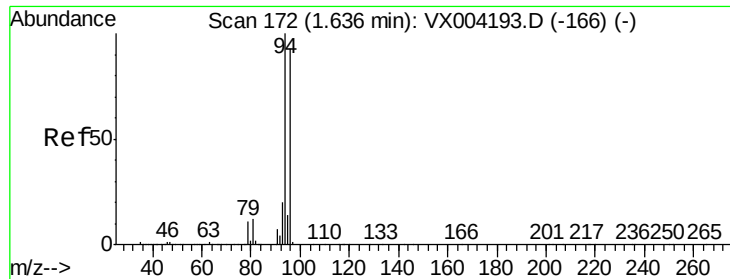
200

0

Time-->

1.30 1.35 1.40





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX004223.D

Acq: 23 Aug 2018 13:40

Instrument :

MSVOA_X

ClientSampleId :

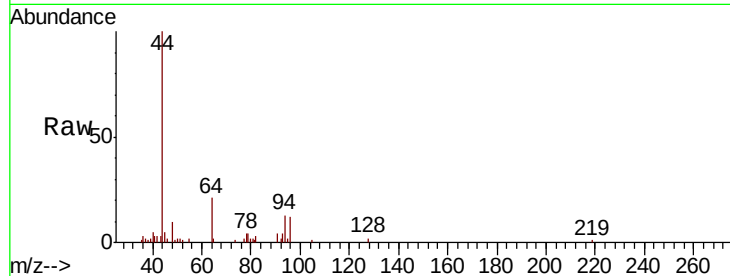
FL-0546DL

Tot Ion: 94 Resp: 1235

Ion Ratio Lower Upper

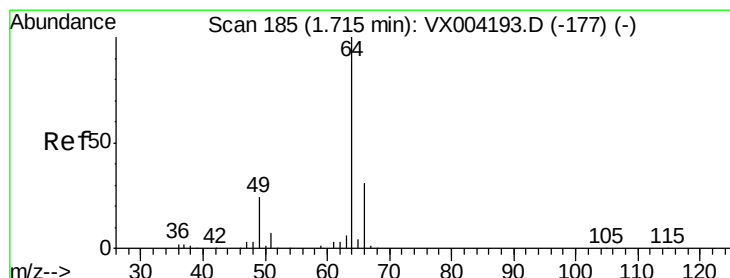
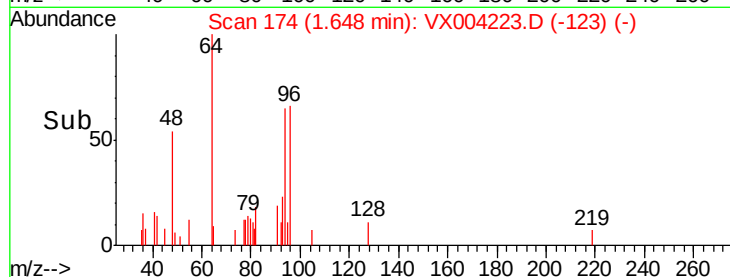
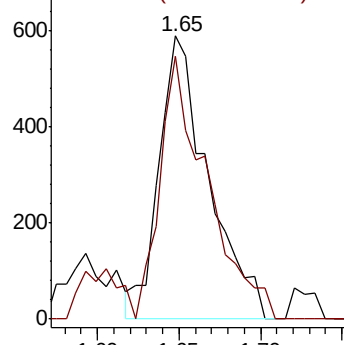
94 100

96 92.9 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 1.04 ug/l

RT: 1.69 min Scan# 181

Delta R.T. -0.02 min

Lab File: VX004223.D

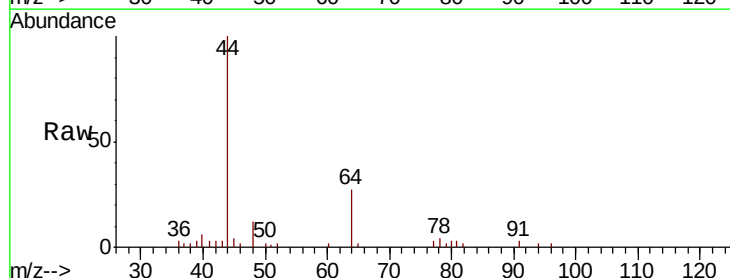
Acq: 23 Aug 2018 13:40

Tgt Ion: 64 Resp: 214

Ion Ratio Lower Upper

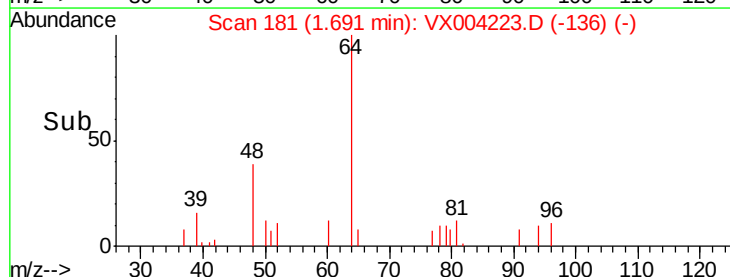
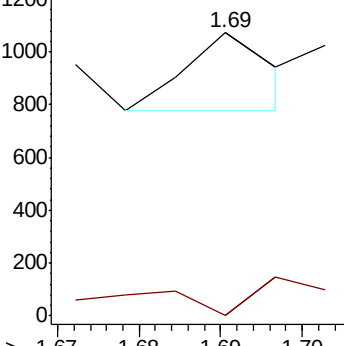
64 100

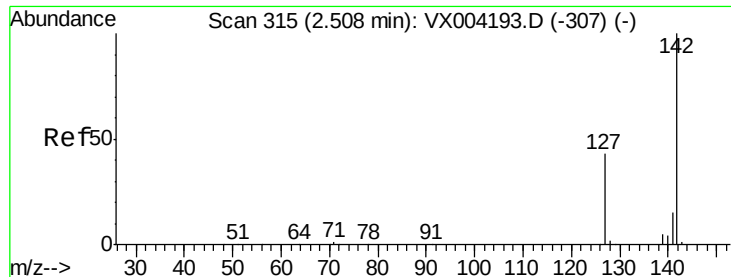
66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

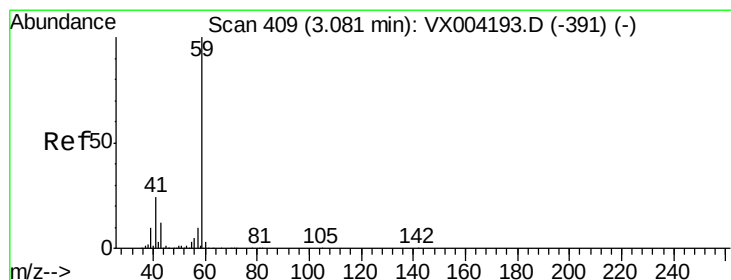
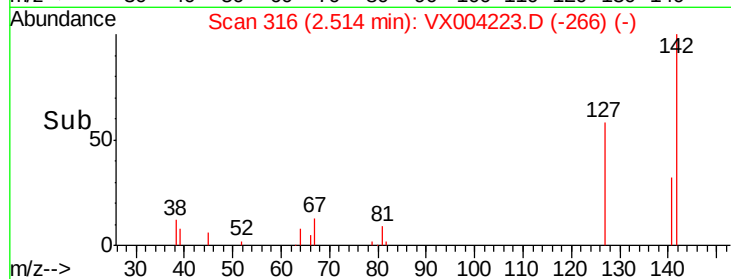
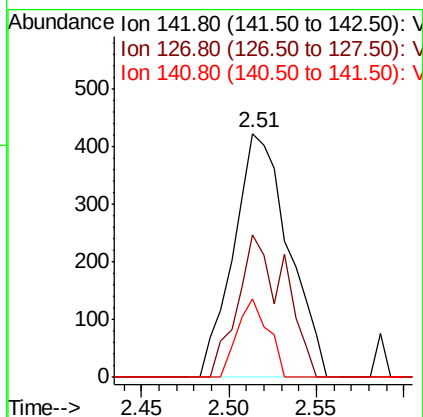
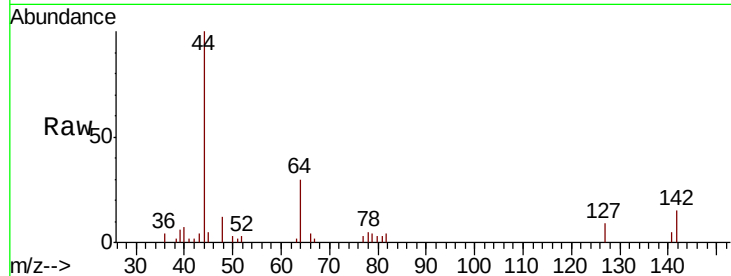




#10
Methyl Iodide
Concen: 4.48 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX004223.D
Acq: 23 Aug 2018 13:40

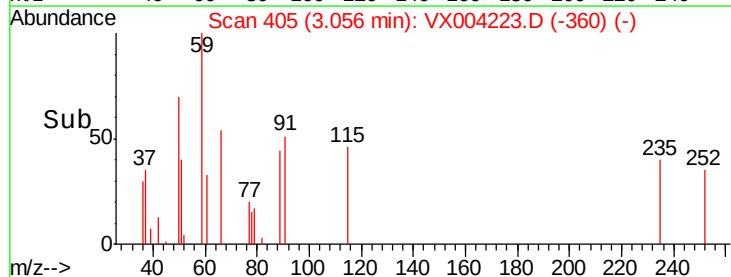
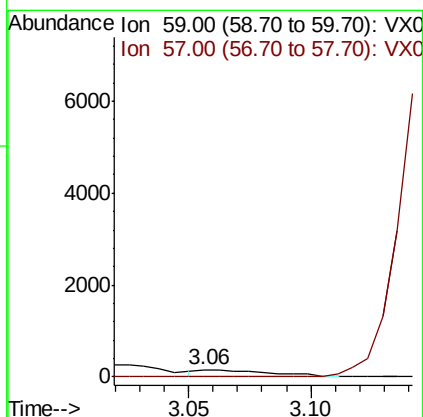
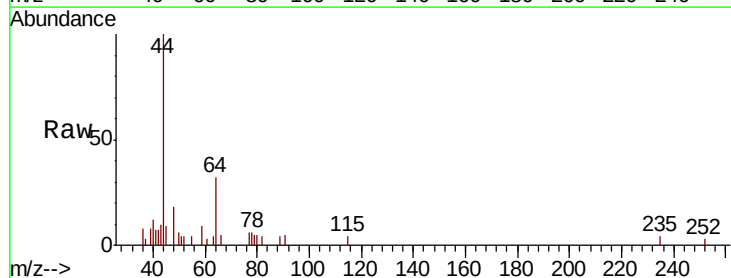
Instrument :
MSVOA_X
ClientSampled :
FL-0546DL

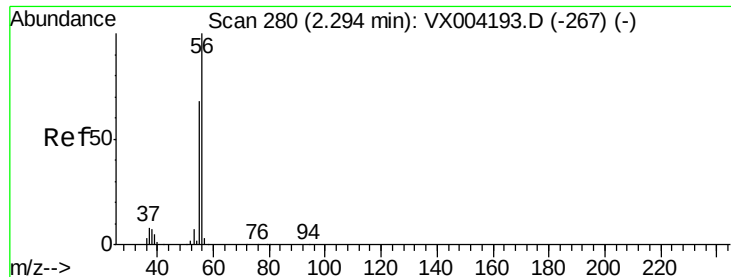
Tot Ion:142 Resp: 925
Ion Ratio Lower Upper
142 100
127 49.7 33.8 50.6
141 18.1 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.37 ug/l
RT: 3.06 min Scan# 405
Delta R.T. -0.02 min
Lab File: VX004223.D
Acq: 23 Aug 2018 13:40

Tgt Ion: 59 Resp: 314
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: 0.31 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004223.D

Acq: 23 Aug 2018 13:40

Instrument :

MSVOA_X

ClientSampled :

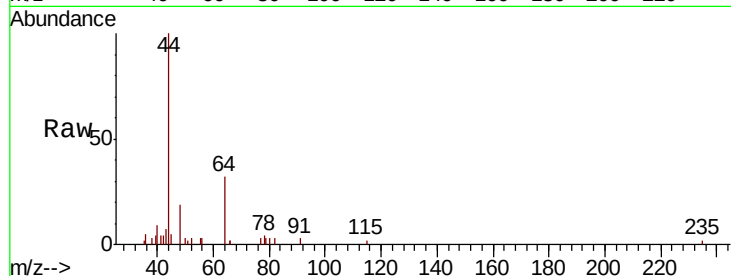
FL-0546DL

Tot Ion: 56 Resp: 63

Ion Ratio Lower Upper

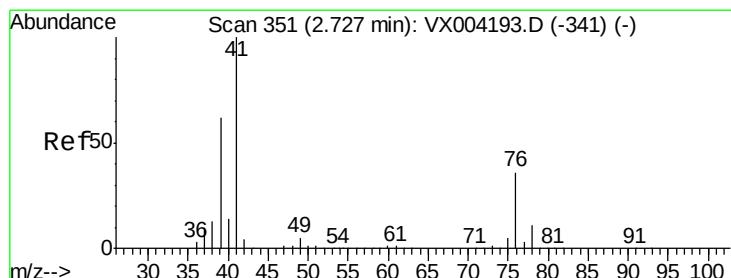
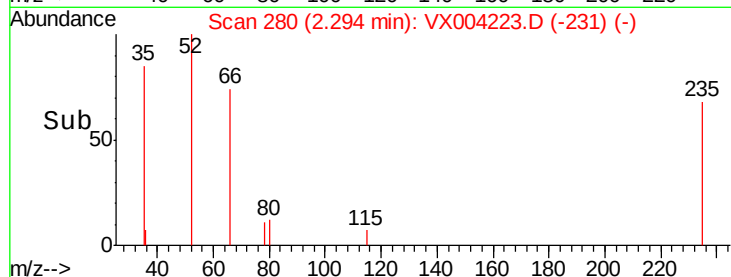
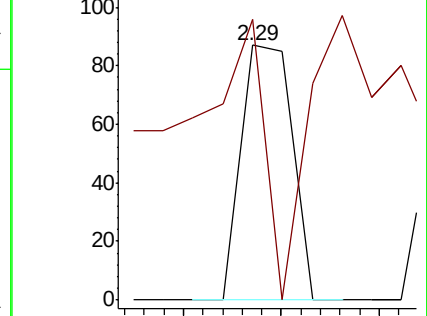
56 100

55 130.2 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 1.52 ug/l

RT: 2.84 min Scan# 369

Delta R.T. 0.11 min

Lab File: VX004223.D

Acq: 23 Aug 2018 13:40

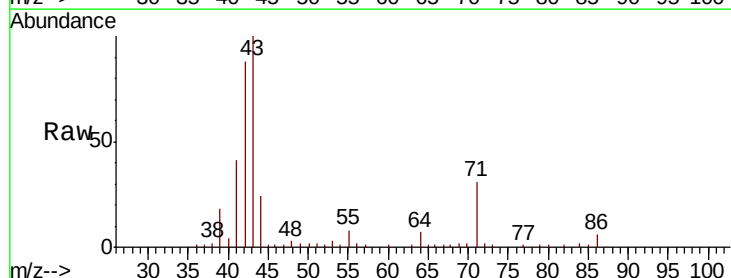
Tgt Ion: 41 Resp: 9084

Ion Ratio Lower Upper

41 100

39 43.4 48.9 73.3#

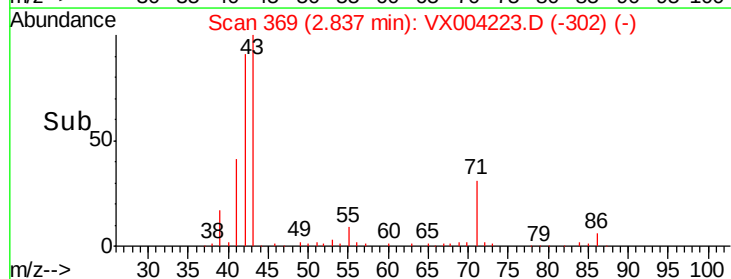
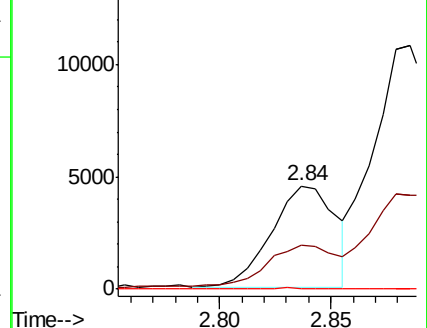
76 0.0 26.7 40.1#

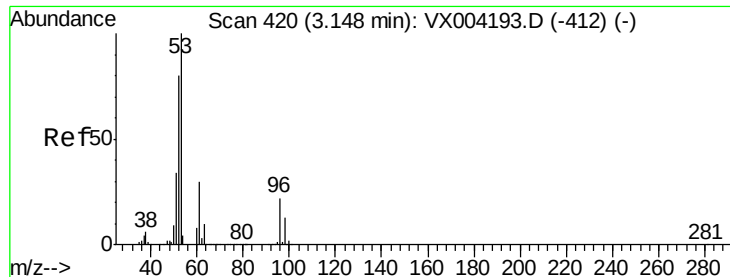


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 0.93 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX004223.D

Acq: 23 Aug 2018 13:40

Instrument :

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ClientSampled :

FL-0546DL

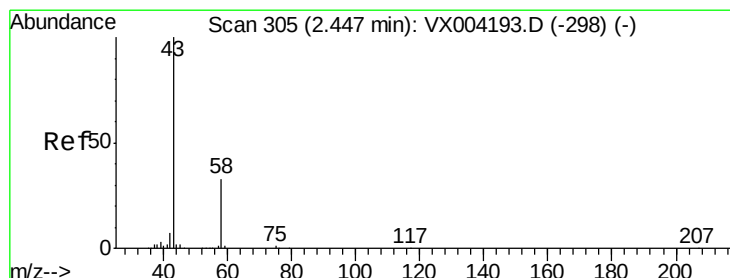
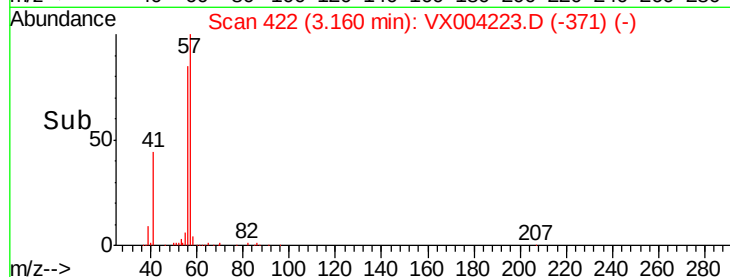
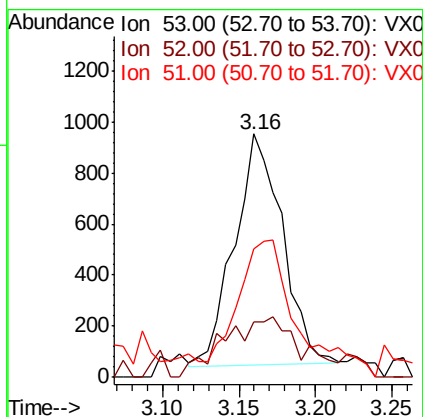
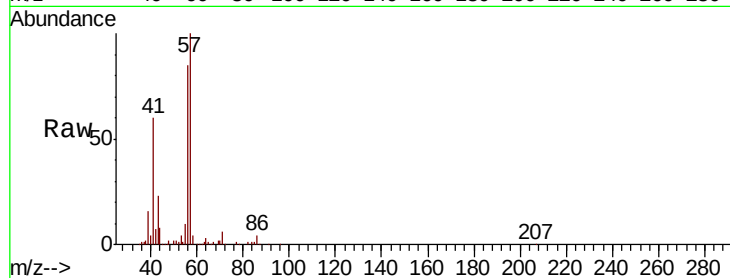
Tot Ion: 53 Resp: 1965

Ion Ratio Lower Upper

53 100

52 42.4 65.2 97.8#

51 75.3 28.2 42.2#



#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX004223.D

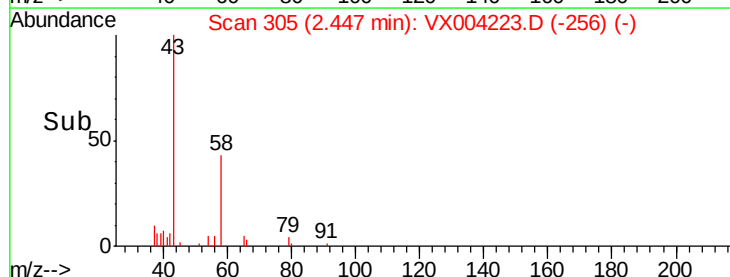
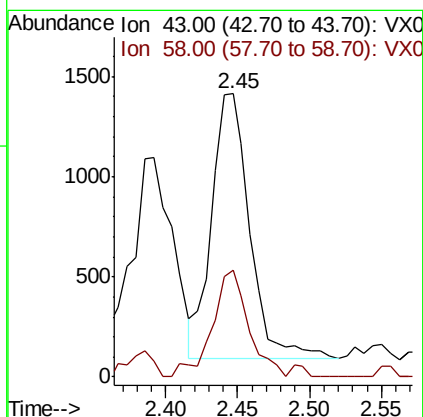
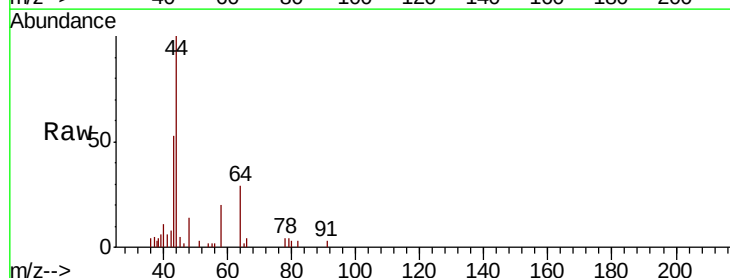
Acq: 23 Aug 2018 13:40

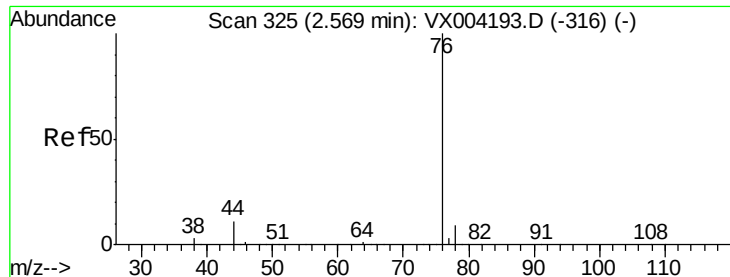
Tgt Ion: 43 Resp: 2446

Ion Ratio Lower Upper

43 100

58 40.2 26.2 39.4#





#17

Carbon Disulfide

Concen: 0.88 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX004223.D

Acq: 23 Aug 2018 13:40

Instrument :

MSVOA_X

ClientSampled :

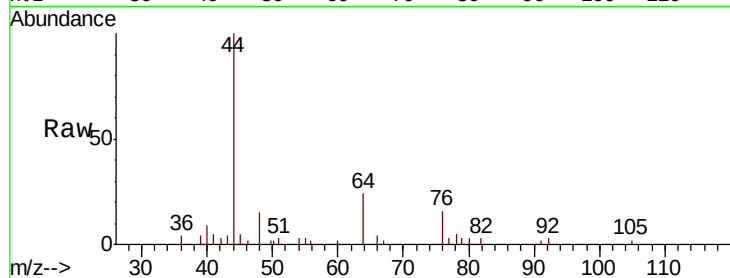
FL-0546DL

Tot Ion: 76 Resp: 744

Ion Ratio Lower Upper

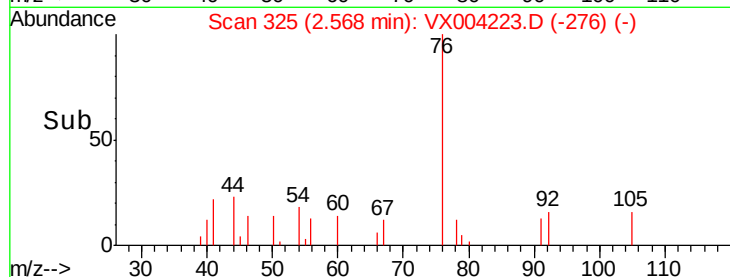
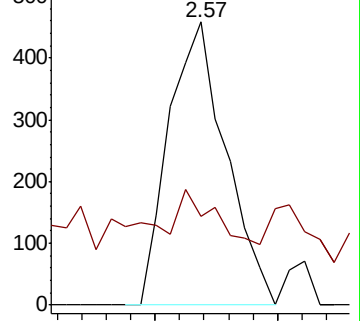
76 100

78 3.5 7.0 10.6#

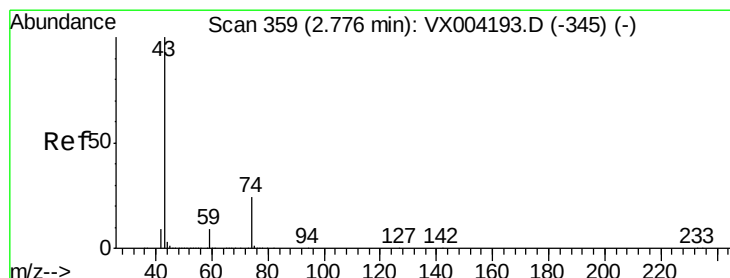


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#18

Methyl Acetate

Concen: 3.85 ug/l

RT: 2.84 min Scan# 370

Delta R.T. 0.07 min

Lab File: VX004223.D

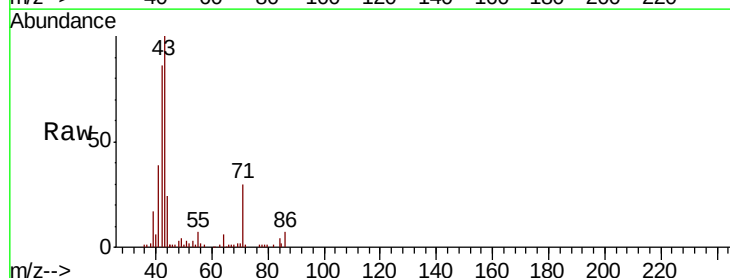
Acq: 23 Aug 2018 13:40

Tgt Ion: 43 Resp: 22796

Ion Ratio Lower Upper

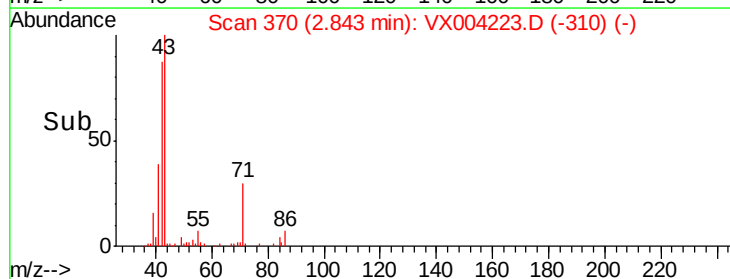
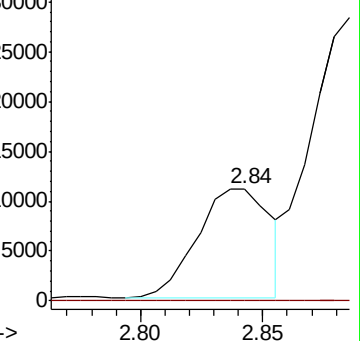
43 100

74 0.0 19.4 29.2#

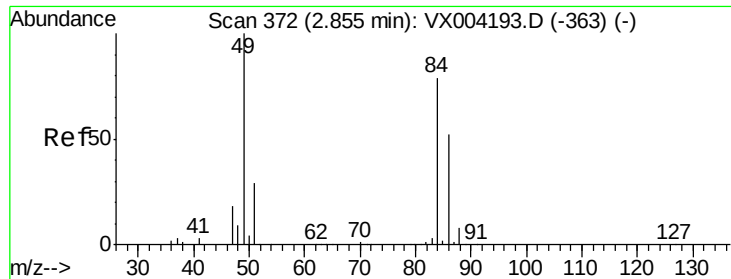


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



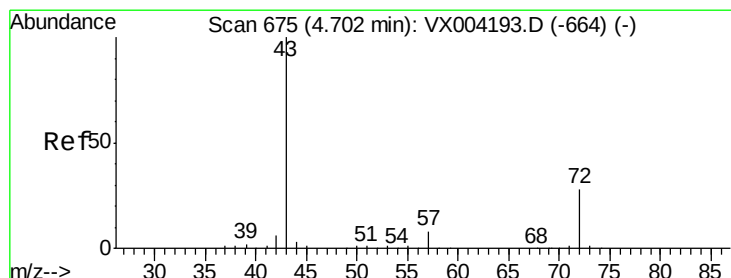
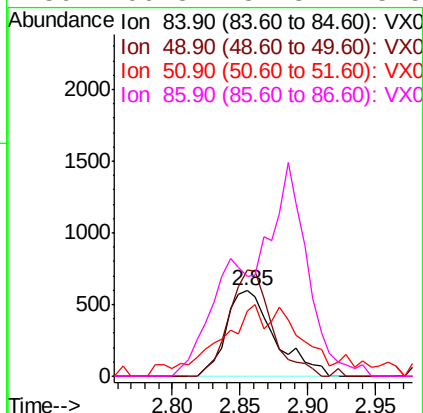
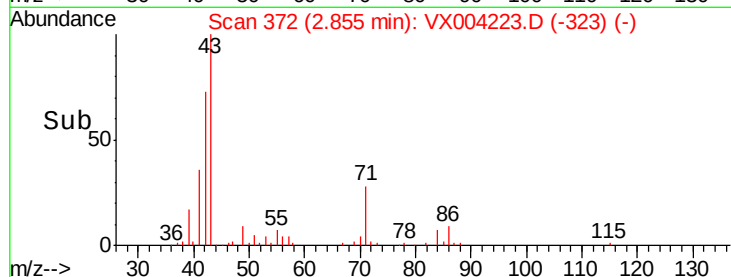
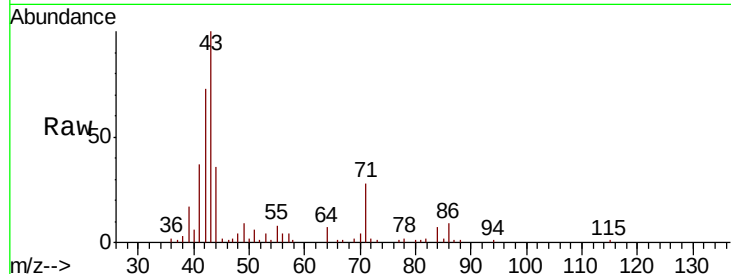
Time-->



#20
Methylene Chloride
Concen: 0.39 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX004223.D
Acq: 23 Aug 2018 13:40

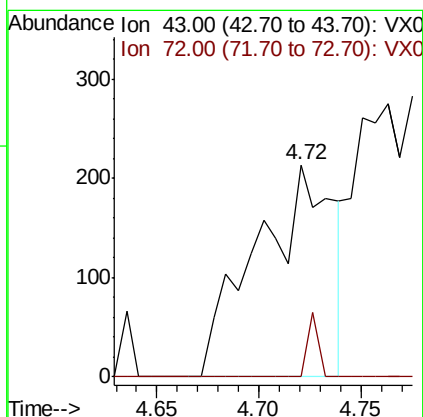
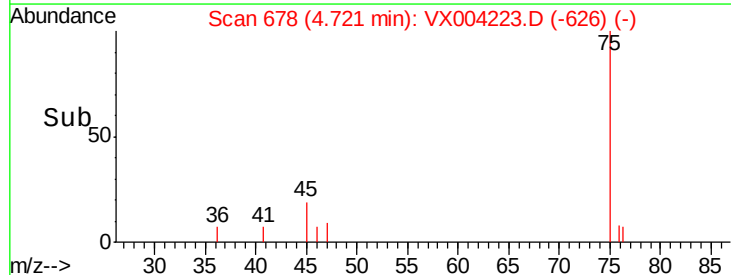
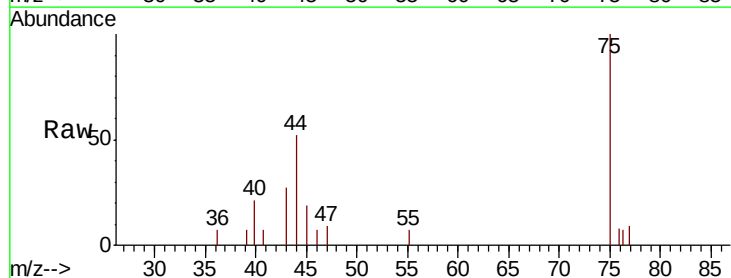
Instrument :
MSVOA_X
ClientSampleID :
FL-0546DL

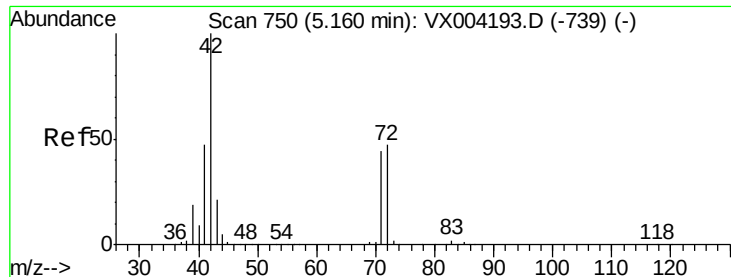
Tot Ion:	84	Resp:	1483
Ion	Ratio	Lower	Upper
84	100		
49	125.1	101.2	151.8
51	63.8	29.5	44.3#
86	100.8	52.3	78.5#



#25
2-Butanone
Concen: Below Cal
RT: 4.72 min Scan# 678
Delta R.T. 0.02 min
Lab File: VX004223.D
Acq: 23 Aug 2018 13:40

Tgt Ion:	43	Resp:	556
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.0	33.0#





#29

Tetrahydrofuran

Concen: 0.43 ug/l

RT: 5.16 min Scan# 750

Delta R.T. -0.00 min

Lab File: VX004223.D

Acq: 23 Aug 2018 13:40

Instrument :

MSVOA_X

ClientSampled :

FL-0546DL

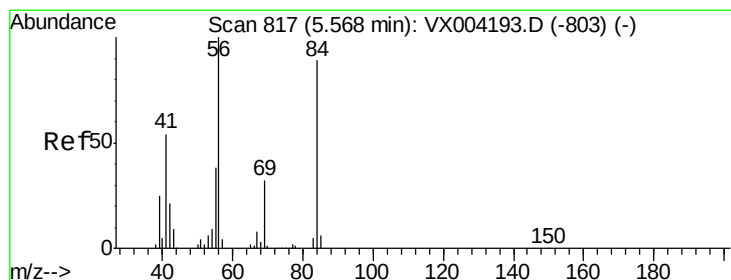
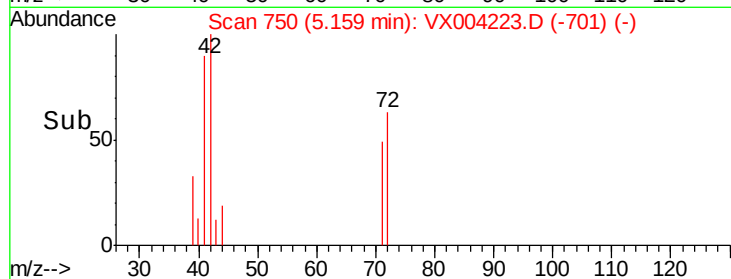
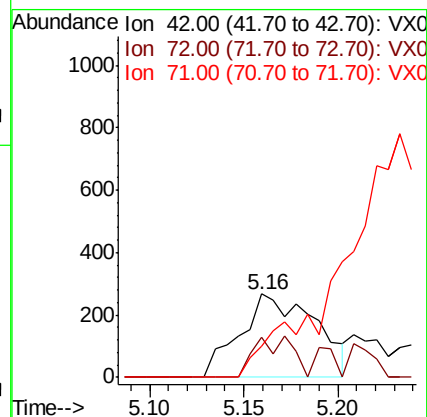
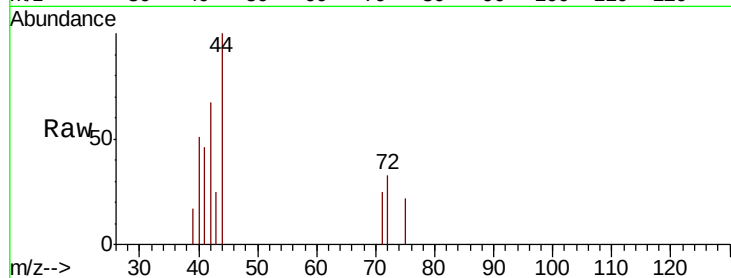
Tot Ion: 42 Resp: 744

Ion Ratio Lower Upper

42 100

72 24.3 37.4 56.0#

71 30.8 34.5 51.7#



#31

Cyclohexane

Concen: 9.96 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX004223.D

Acq: 23 Aug 2018 13:40

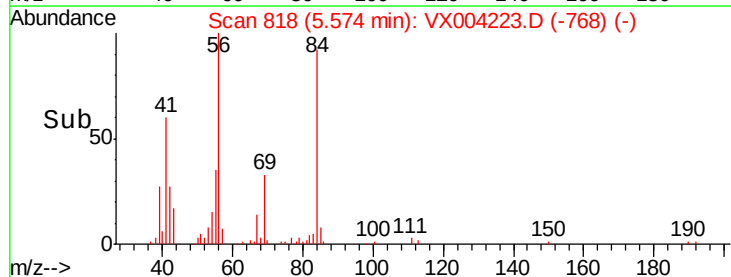
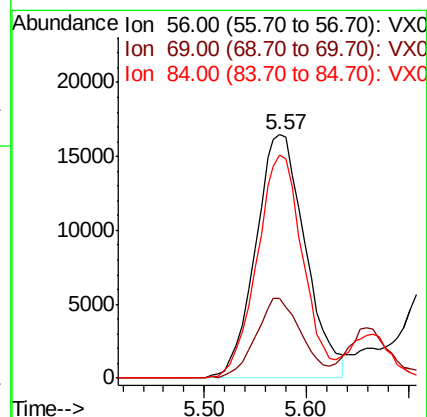
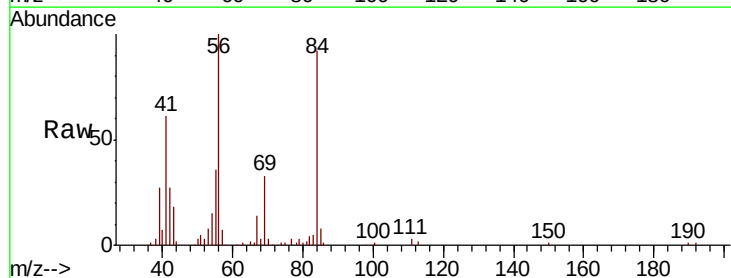
Tgt Ion: 56 Resp: 55748

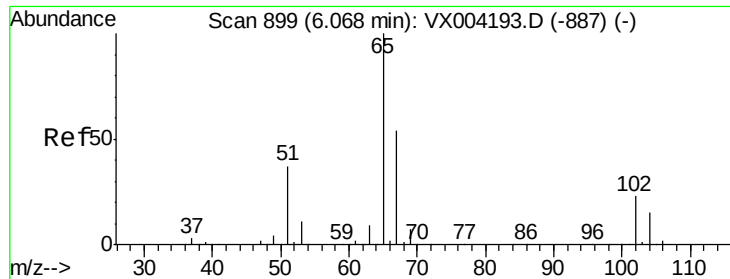
Ion Ratio Lower Upper

56 100

69 32.7 25.4 38.2

84 91.7 71.4 107.2

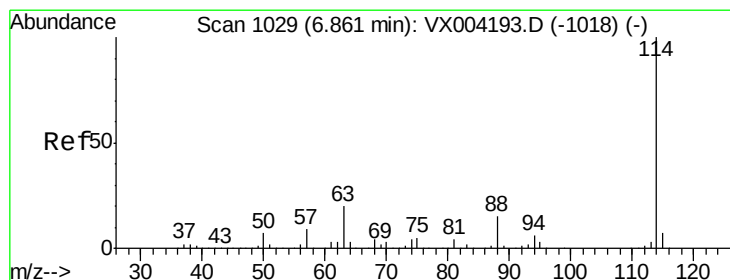
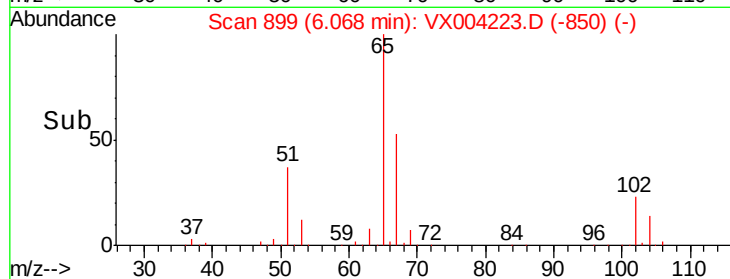
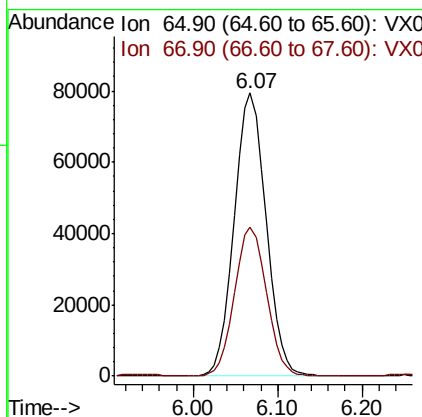
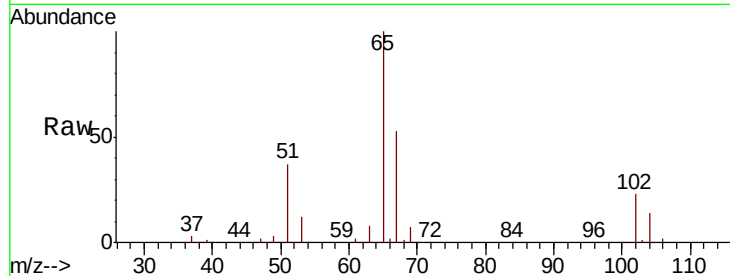




#33
 1,2-Dichloroethane-d4
 Concen: 50.95 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004223.D
 Acq: 23 Aug 2018 13:40

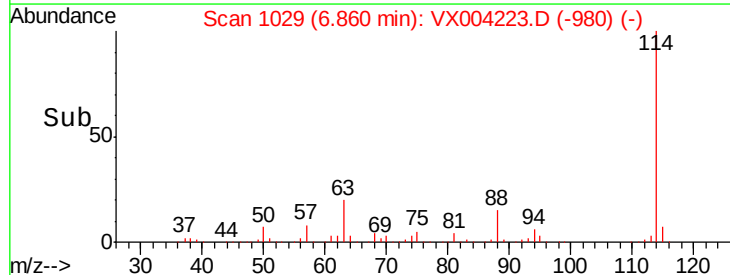
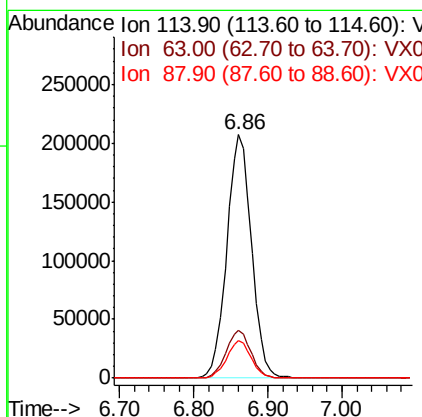
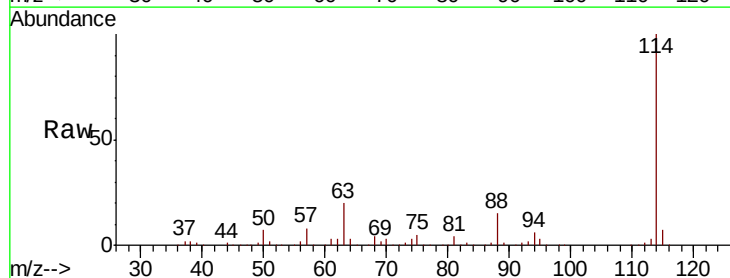
Instrument :
 MSVOA_X
 ClientSampleID :
 FL-0546DL

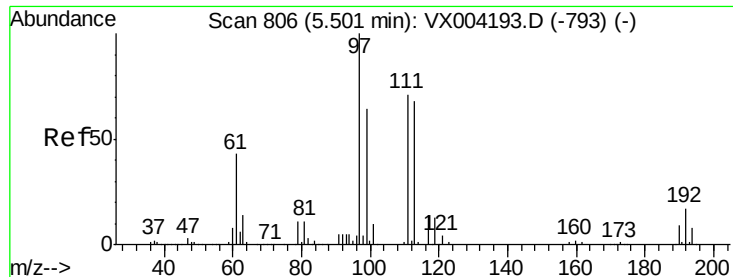
Tot Ion: 65 Resp: 203403
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004223.D
 Acq: 23 Aug 2018 13:40

Tgt Ion: 114 Resp: 480865
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.0
 88 15.2 0.0 30.4





#35

Dibromofluoromethane

Concen: 48.29 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX004223.D

Acq: 23 Aug 2018 13:40

Instrument :

MSVOA_X

ClientSampleId :

FL-0546DL

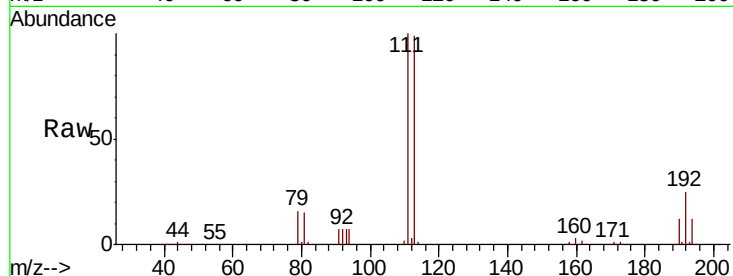
Tot Ion:113 Resp: 172741

Ion Ratio Lower Upper

113 100

111 101.6 82.4 123.6

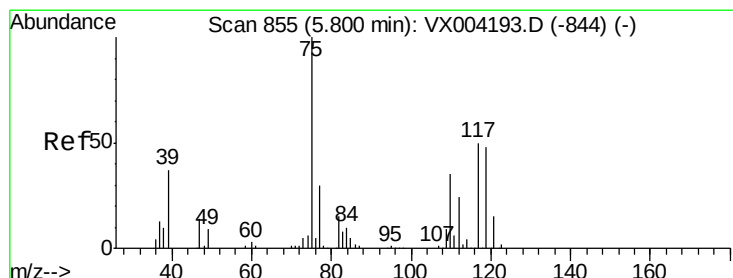
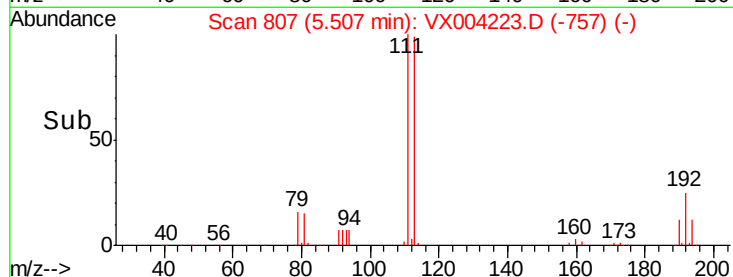
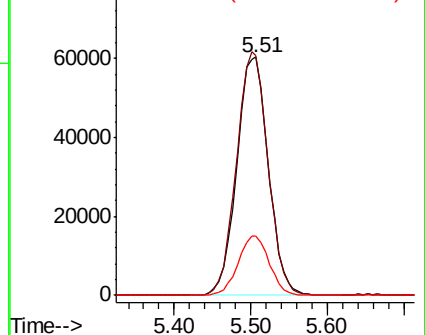
192 24.5 19.4 29.2



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: 3.76 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX004223.D

Acq: 23 Aug 2018 13:40

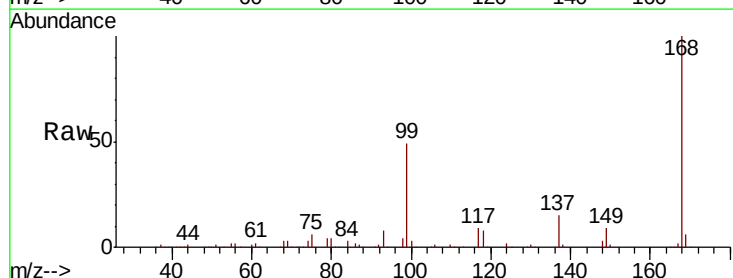
Tgt Ion: 75 Resp: 20349

Ion Ratio Lower Upper

75 100

110 9.2 18.0 54.0#

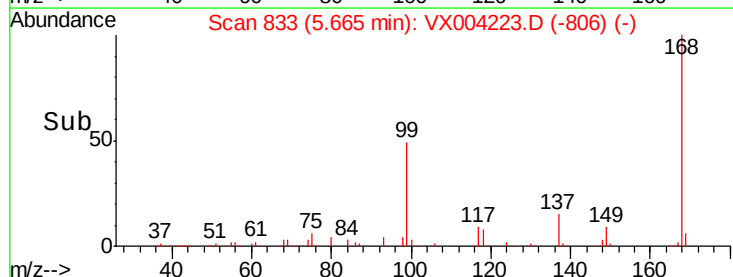
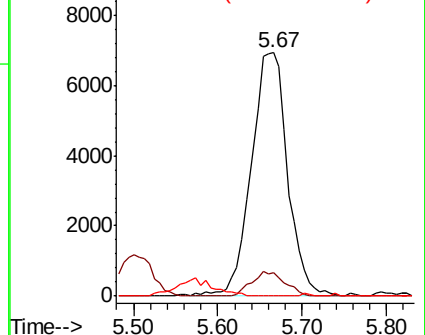
77 0.0 24.6 36.8#

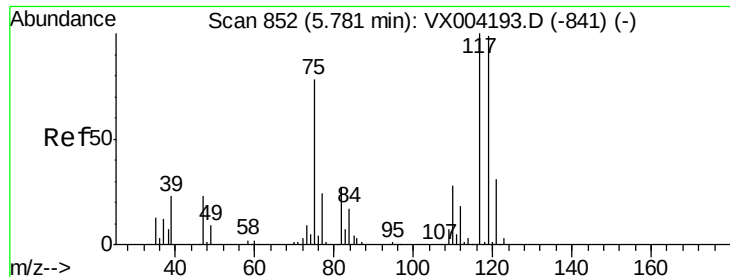


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.23 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.12 min

Lab File: VX004223.D

Acq: 23 Aug 2018 13:40

Instrument :

MSVOA_X

ClientSampled :

FL-0546DL

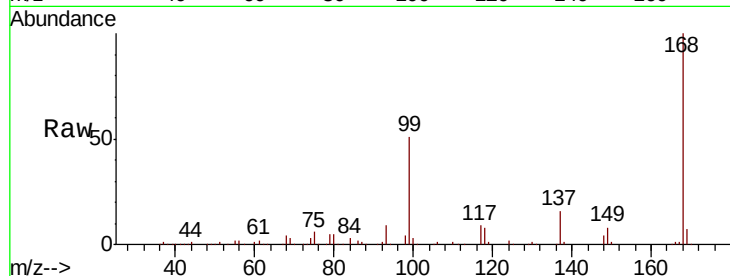
Tot Ion:117 Resp: 26609

Ion Ratio Lower Upper

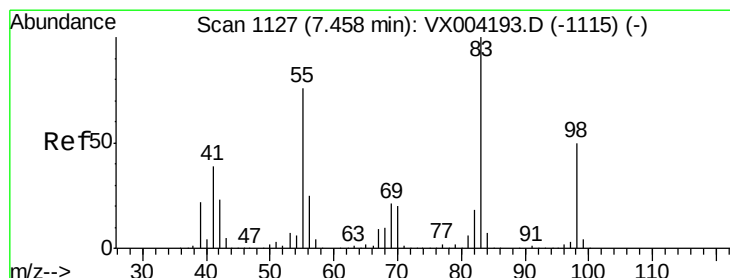
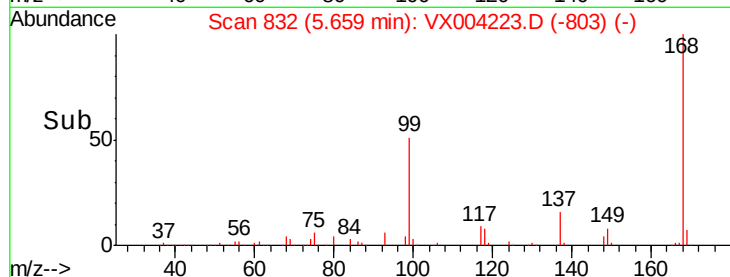
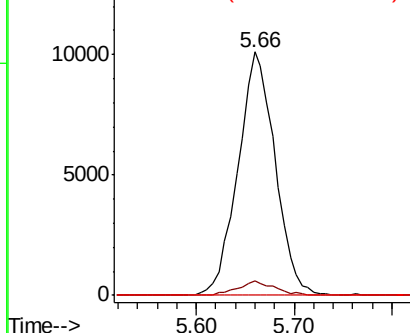
117 100

119 6.1 78.8 118.2#

121 0.0 24.9 37.3#



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



#39

Methylcyclohexane

Concen: 56.23 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. 0.01 min

Lab File: VX004223.D

Acq: 23 Aug 2018 13:40

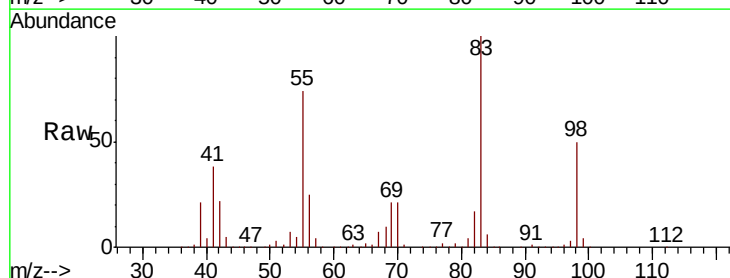
Tgt Ion: 83 Resp: 347088

Ion Ratio Lower Upper

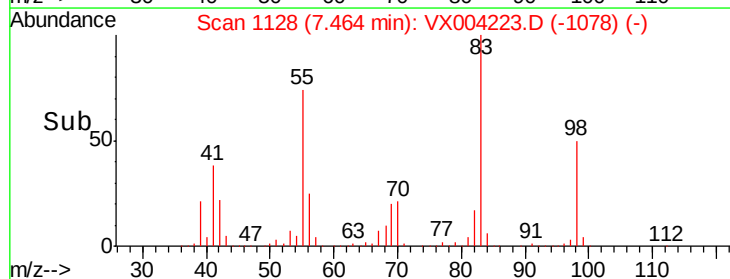
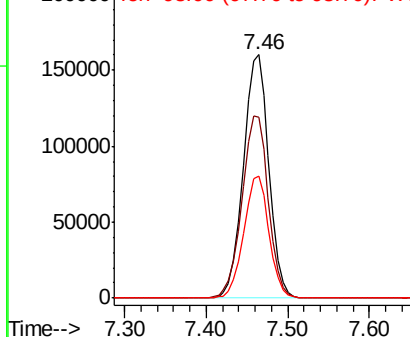
83 100

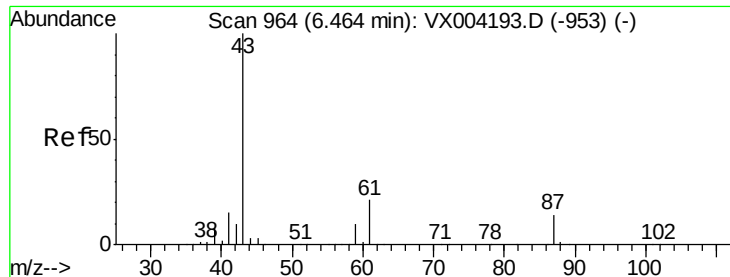
55 74.5 61.0 91.4

98 50.0 39.6 59.4



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





#43

Isopropyl Acetate

Concen: 0.47 ug/l

RT: 6.45 min Scan# 962

Delta R.T. -0.01 min

Lab File: VX004223.D

Acq: 23 Aug 2018 13:40

Instrument :

MSVOA_X

ClientSampleId :

FL-0546DL

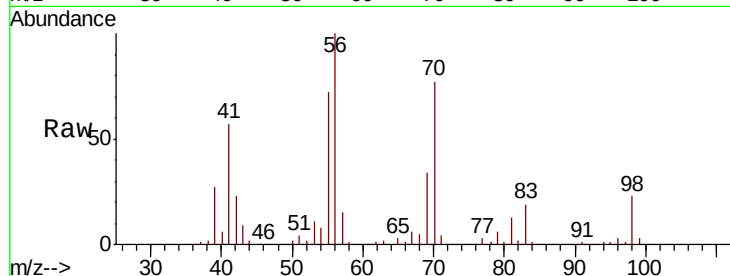
Tot Ion: 43 Resp: 3859

Ion Ratio Lower Upper

43 100

61 0.0 17.0 25.4#

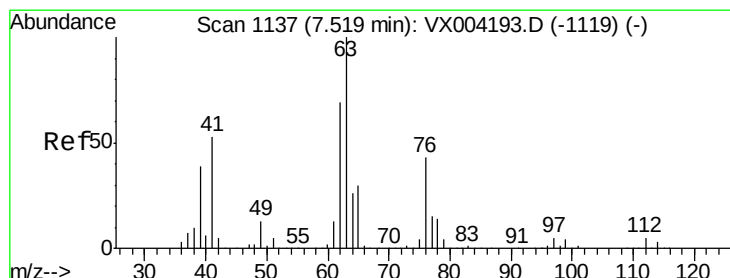
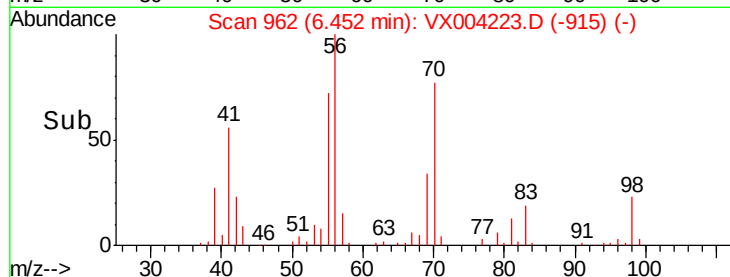
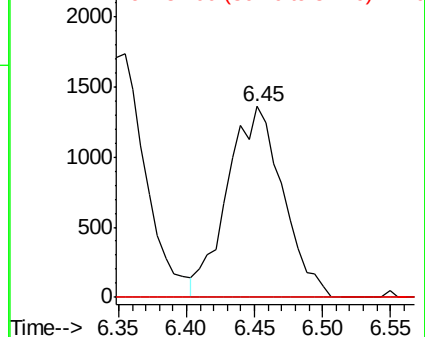
87 0.0 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#45

1,2-Dichloropropane

Concen: 0.81 ug/l

RT: 7.46 min Scan# 1127

Delta R.T. -0.06 min

Lab File: VX004223.D

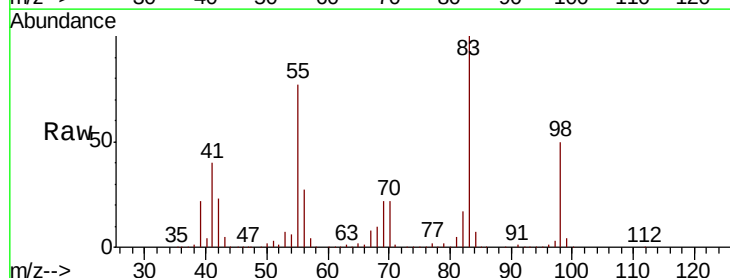
Acq: 23 Aug 2018 13:40

Tgt Ion: 63 Resp: 3283

Ion Ratio Lower Upper

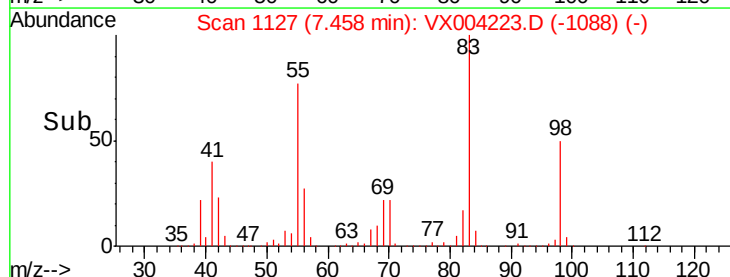
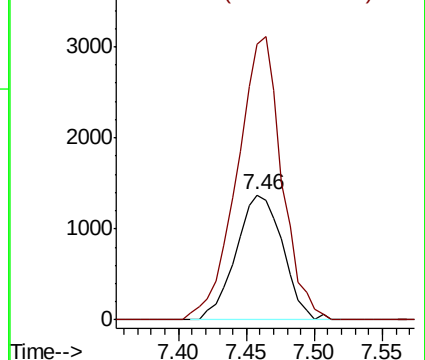
63 100

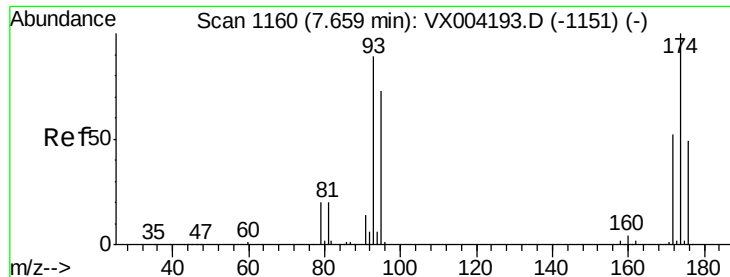
65 221.0 24.3 36.5#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0





#46

Dibromomethane

Concen: 0.21 ug/l

RT: 7.45 min Scan# 1125

Delta R.T. -0.21 min

Lab File: VX004223.D

Acq: 23 Aug 2018 13:40

Instrument :

MSVOA_X

ClientSampled :

FL-0546DL

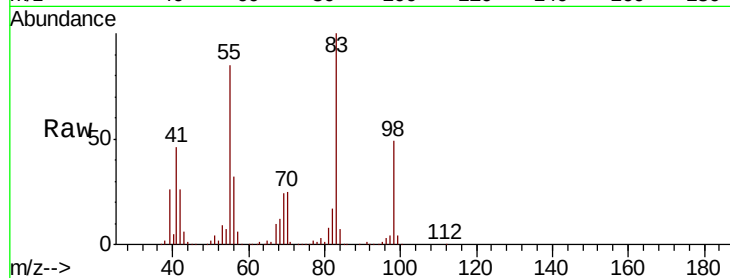
Tot Ion: 93 Resp: 555

Ion Ratio Lower Upper

93 100

95 298.6 65.5 98.3#

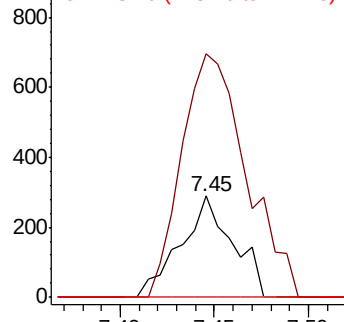
174 0.0 94.2 141.4#



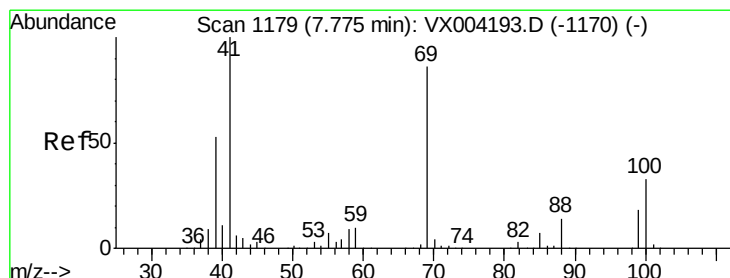
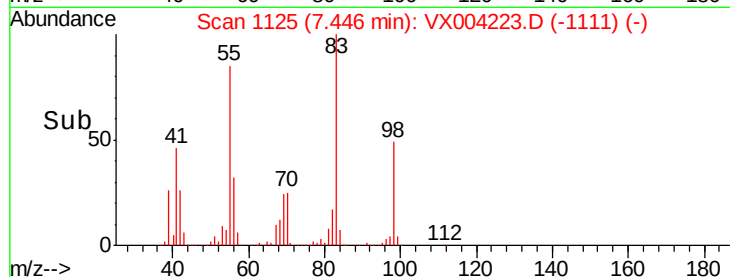
Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V



Time-->



#48

Methyl methacrylate

Concen: 3.02 ug/l

RT: 7.73 min Scan# 1172

Delta R.T. -0.04 min

Lab File: VX004223.D

Acq: 23 Aug 2018 13:40

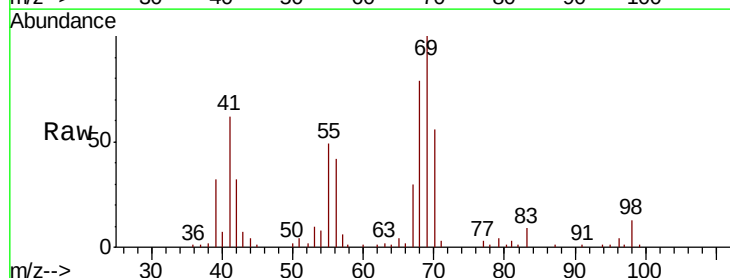
Tgt Ion: 41 Resp: 13205

Ion Ratio Lower Upper

41 100

69 153.5 70.2 105.4#

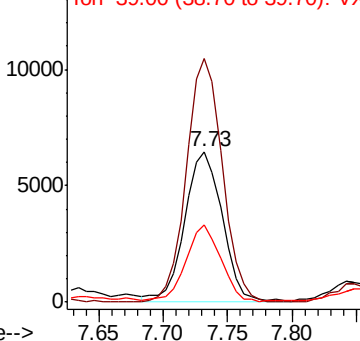
39 47.8 42.7 64.1



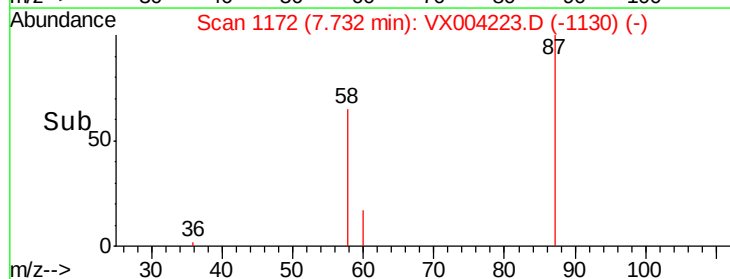
Abundance Ion 41.00 (40.70 to 41.70): VX0

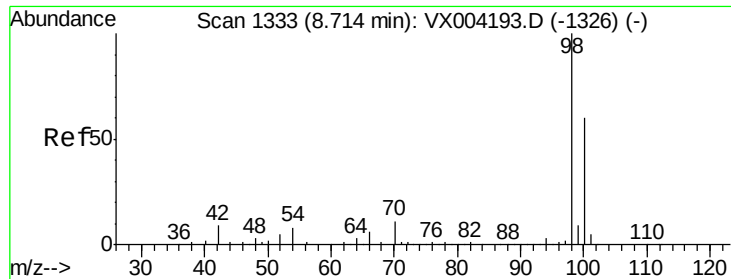
Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



Time-->

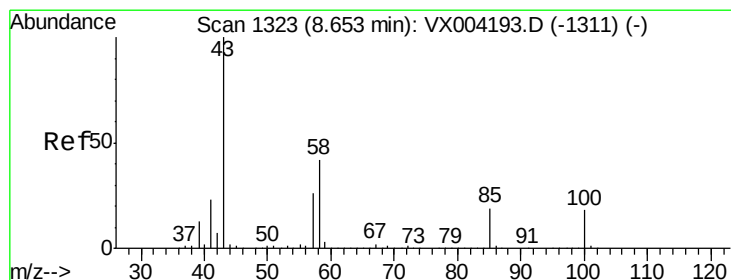
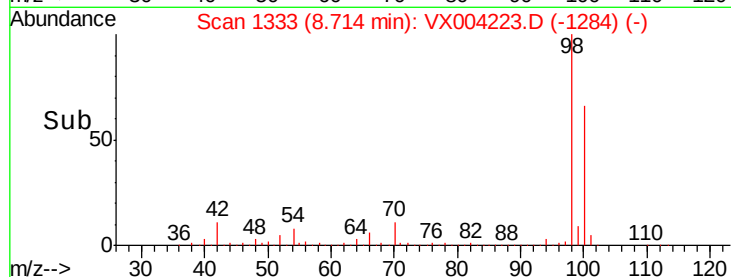
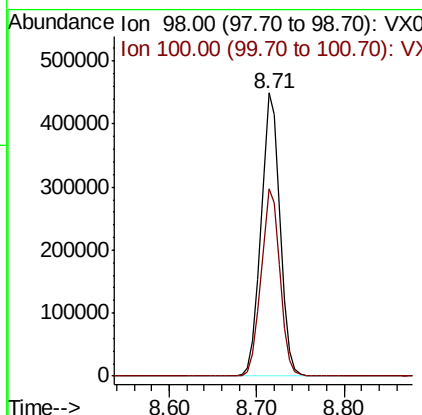
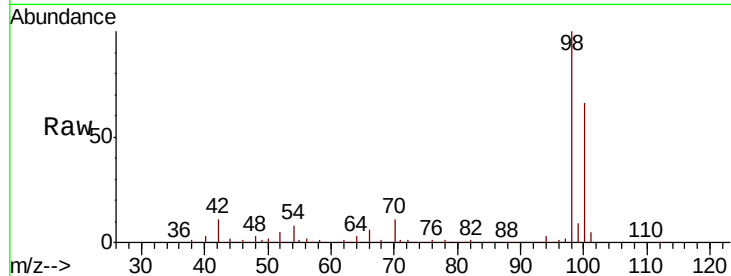




#50
Toluene-d8
Concen: 50.38 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004223.D
Acq: 23 Aug 2018 13:40

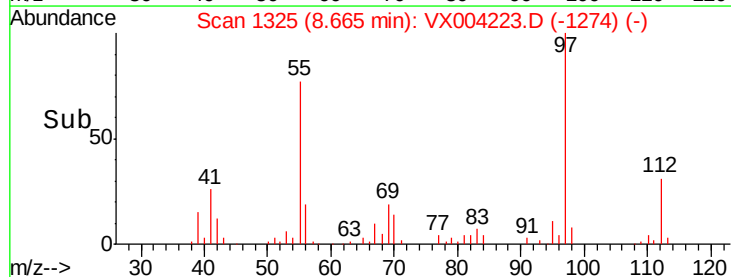
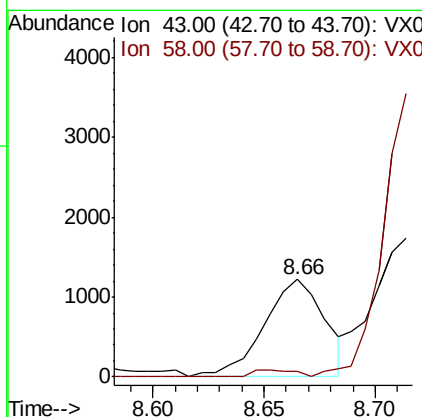
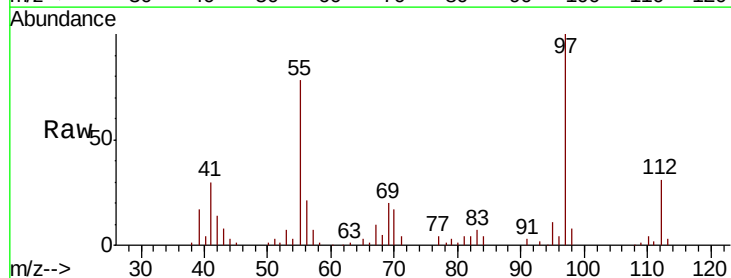
Instrument :
MSVOA_X
ClientSampleId :
FL-0546DL

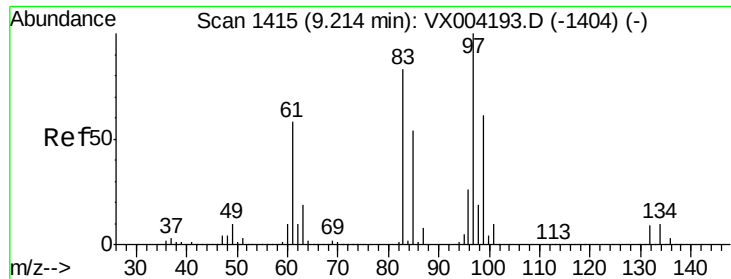
Tot Ion: 98 Resp: 680259
Ion Ratio Lower Upper
98 100
100 65.7 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 0.39 ug/l
RT: 8.66 min Scan# 1325
Delta R.T. 0.01 min
Lab File: VX004223.D
Acq: 23 Aug 2018 13:40

Tgt Ion: 43 Resp: 2302
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

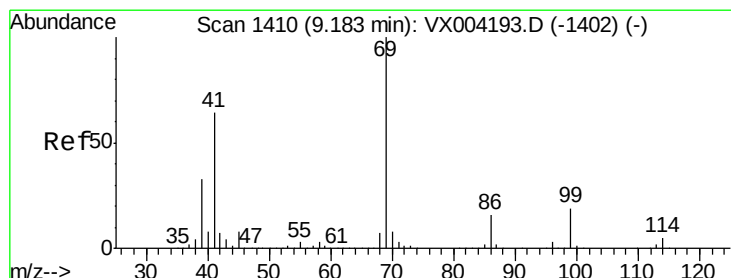
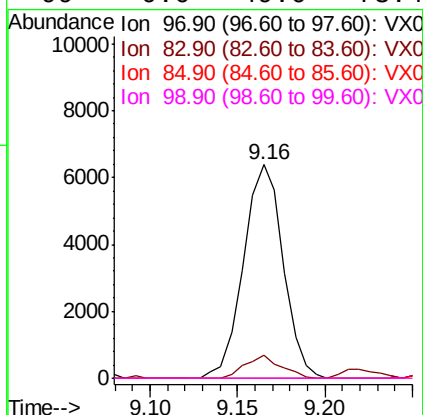
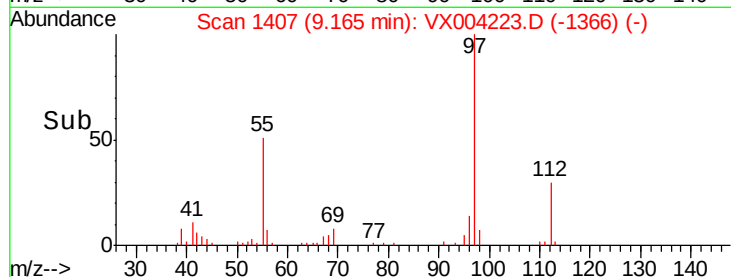
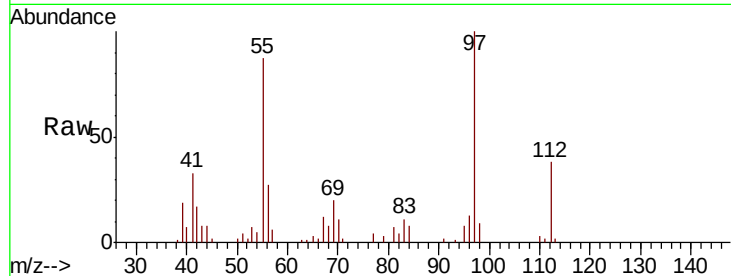




#55
 1,1,2-Trichloroethane
 Concen: 2.46 ug/l
 RT: 9.16 min Scan# 1407
 Delta R.T. -0.05 min
 Lab File: VX004223.D
 Acq: 23 Aug 2018 13:40

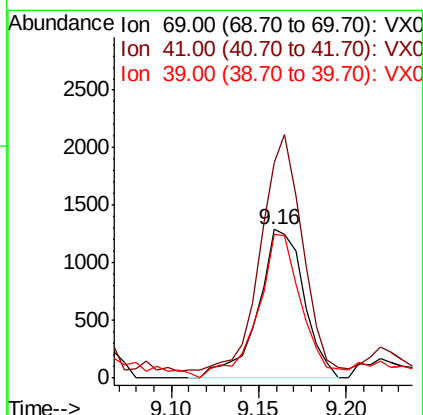
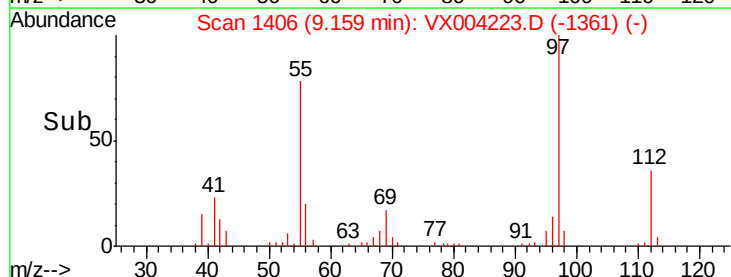
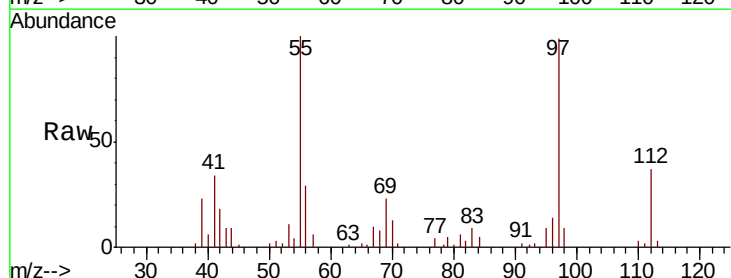
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0546DL

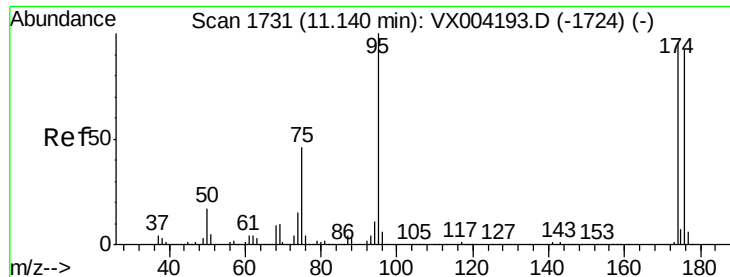
Tot Ion: 97 Resp: 10056
 Ion Ratio Lower Upper
 97 100
 83 10.6 66.4 99.6#
 85 0.0 43.3 64.9#
 99 0.0 49.0 73.4#



#56
 Ethyl methacrylate
 Concen: 0.42 ug/l
 RT: 9.16 min Scan# 1406
 Delta R.T. -0.02 min
 Lab File: VX004223.D
 Acq: 23 Aug 2018 13:40

Tgt Ion: 69 Resp: 2351
 Ion Ratio Lower Upper
 69 100
 41 142.5 51.0 76.4#
 39 93.4 26.1 39.1#





#62

4-Bromofluorobenzene

Concen: 48.37 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004223.D

Acq: 23 Aug 2018 13:40

Instrument :

MSVOA_X

ClientSampled :

FL-0546DL

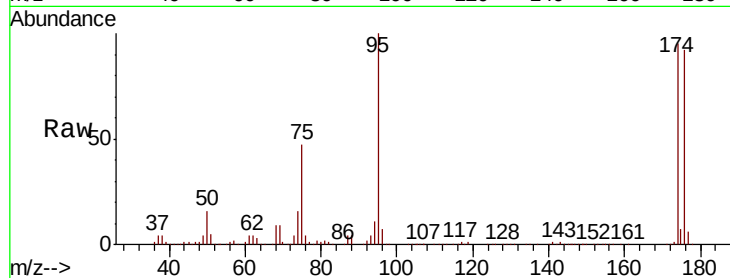
Tot Ion: 95 Resp: 243720

Ion Ratio Lower Upper

95 100

174 90.8 0.0 185.2

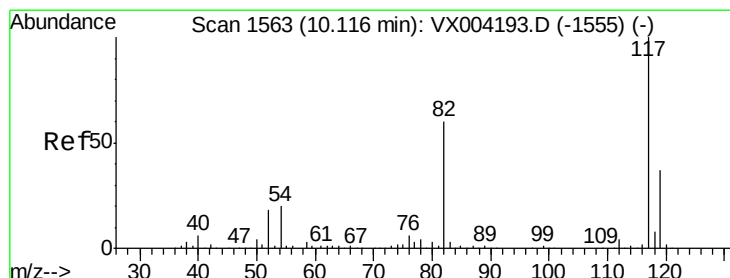
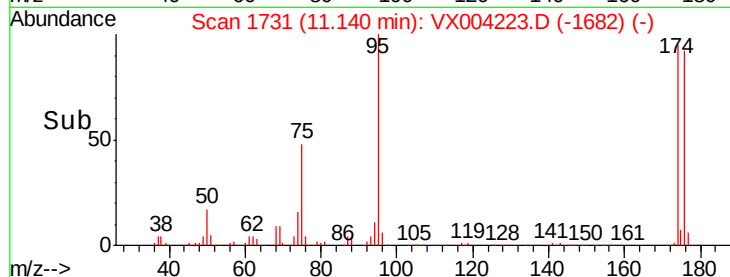
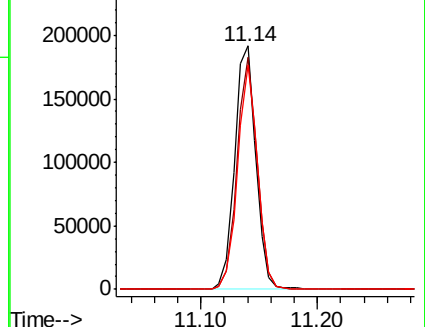
176 87.0 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX004193.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX004193.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX004193.D (-1724) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX004223.D

Acq: 23 Aug 2018 13:40

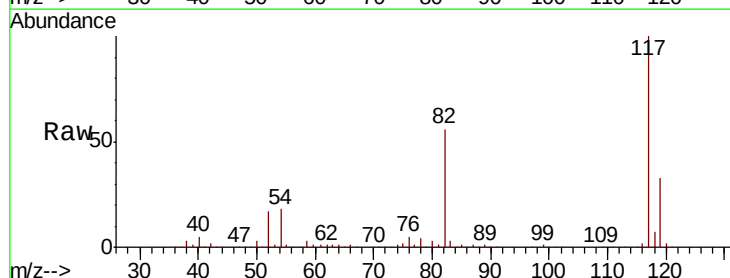
Tgt Ion: 117 Resp: 420198

Ion Ratio Lower Upper

117 100

82 55.6 47.8 71.6

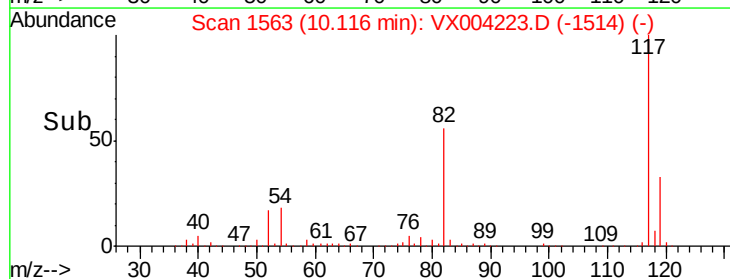
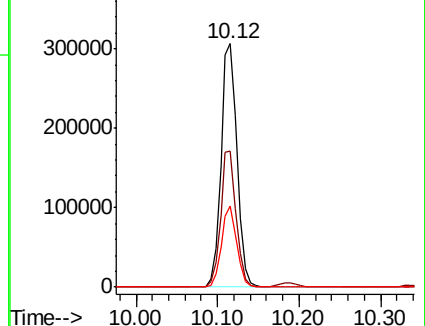
119 33.2 29.3 43.9

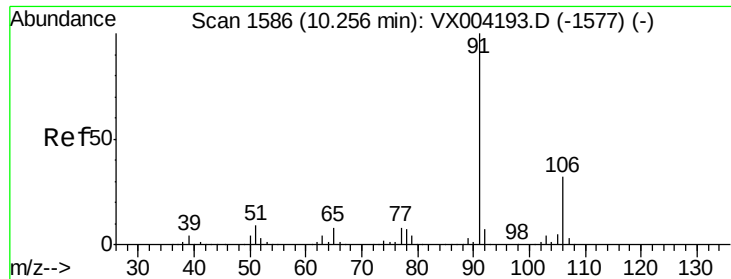


Abundance Ion 116.90 (116.60 to 117.60): VX004193.D (-1555) (-)

Ion 82.00 (81.70 to 82.70): VX004193.D (-1555) (-)

Ion 118.90 (118.60 to 119.60): VX004193.D (-1555) (-)

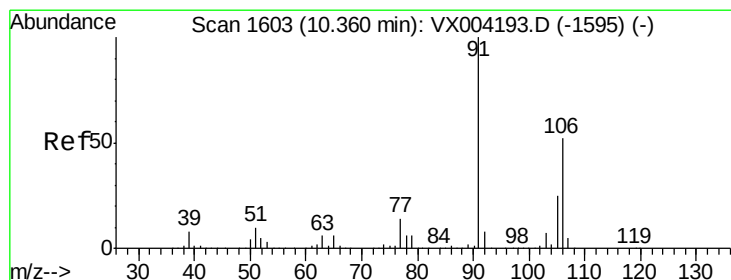
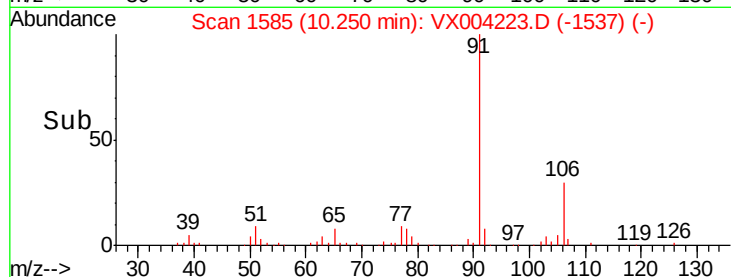
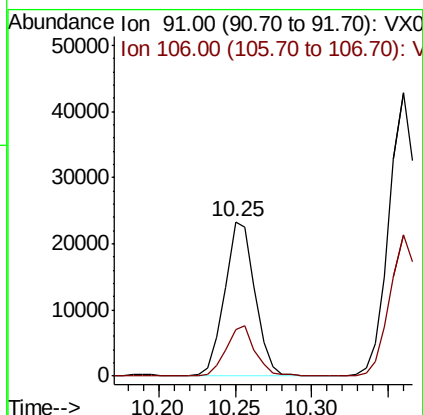
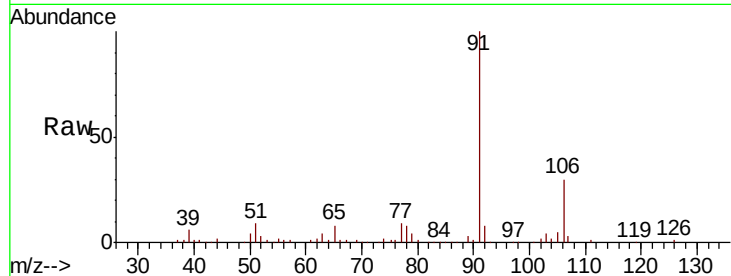




#67
Ethyl Benzene
Concen: 1.86 ug/l
RT: 10.25 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VX004223.D
Acq: 23 Aug 2018 13:40

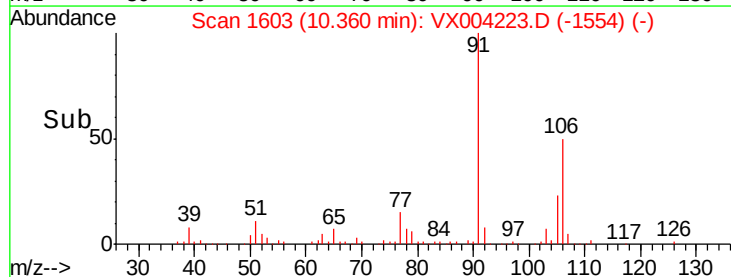
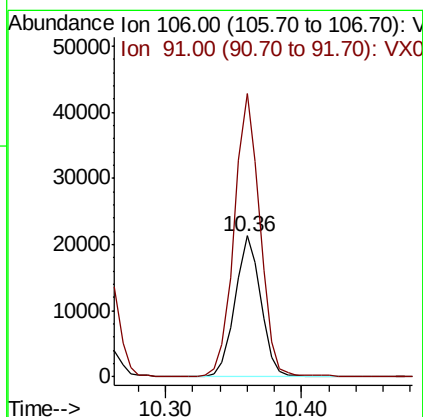
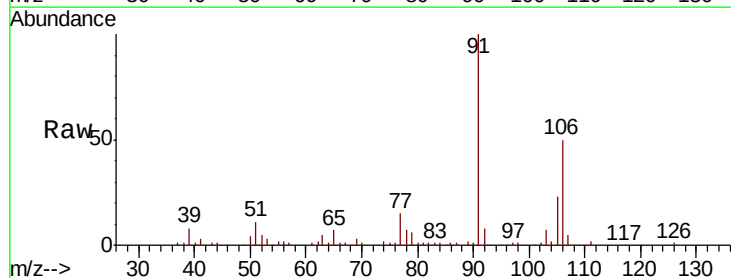
Instrument :
MSVOA_X
ClientSampleId :
FL-0546DL

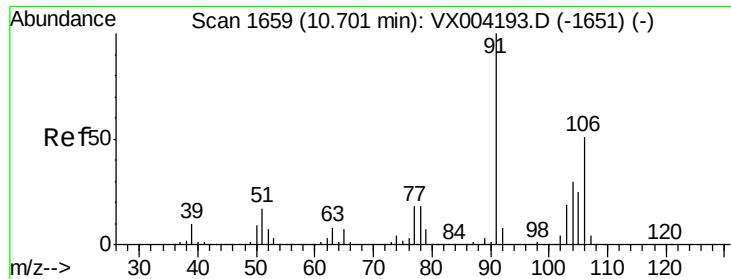
Tot Ion: 91 Resp: 31867
Ion Ratio Lower Upper
91 100
106 30.0 25.9 38.9



#68
m/p-Xylenes
Concen: 4.21 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004223.D
Acq: 23 Aug 2018 13:40

Tgt Ion: 106 Resp: 28205
Ion Ratio Lower Upper
106 100
91 198.9 157.1 235.7

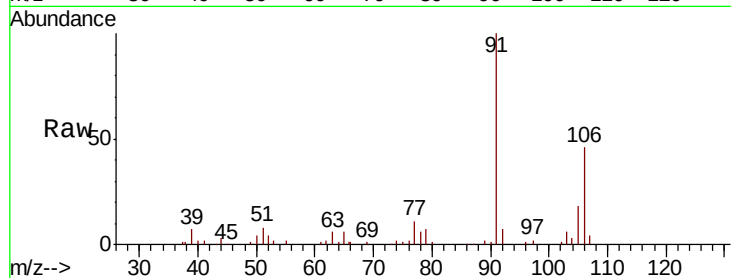




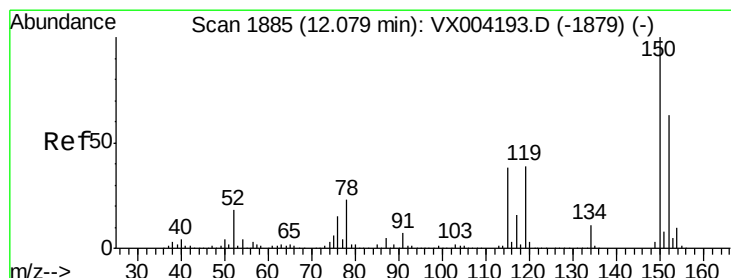
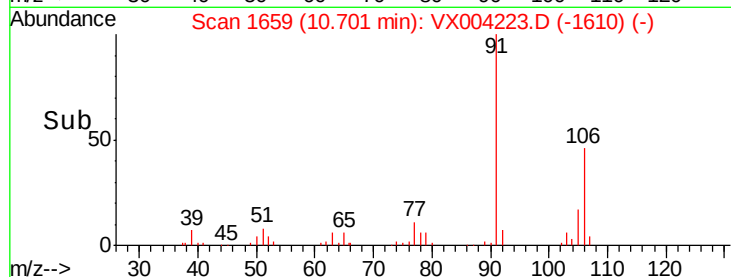
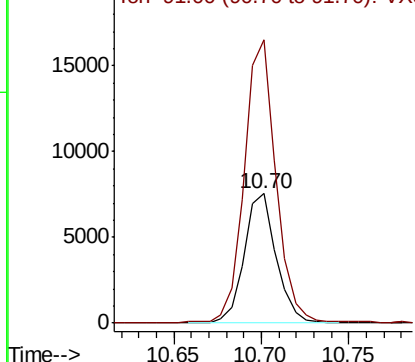
#69
o-Xylene
Concen: 1.51 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004223.D
Acq: 23 Aug 2018 13:40

Instrument :
MSVOA_X
ClientSampled :
FL-0546DL

Tot Ion:106 Resp: 9571
Ion Ratio Lower Upper
106 100
91 219.1 105.1 315.1

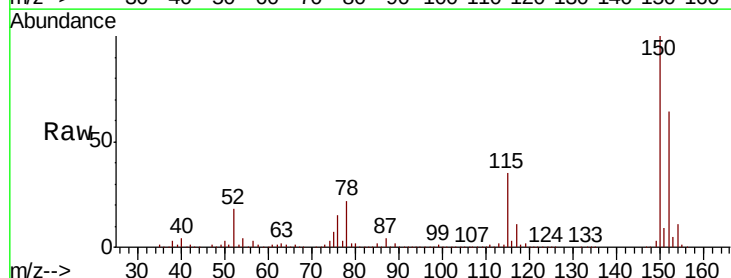


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

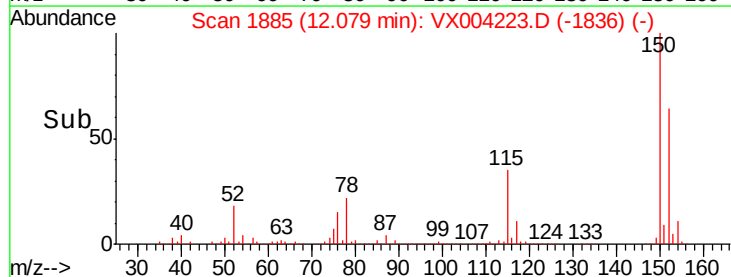
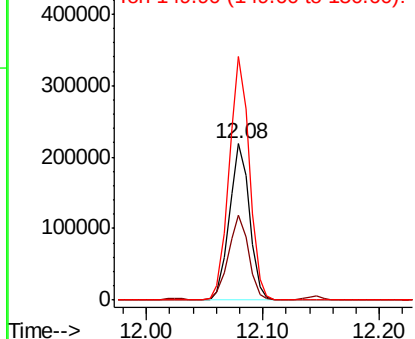


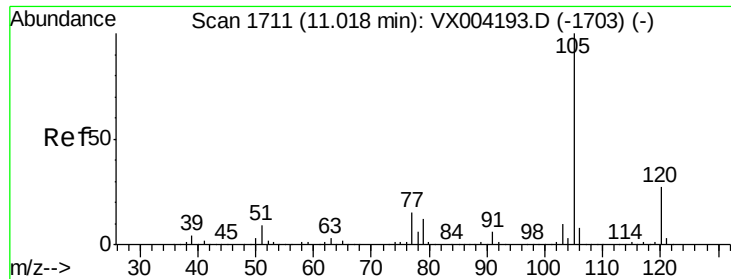
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004223.D
Acq: 23 Aug 2018 13:40

Tgt Ion:152 Resp: 262103
Ion Ratio Lower Upper
152 100
115 54.7 39.0 117.0
150 156.6 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.61 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004223.D

Acq: 23 Aug 2018 13:40

Instrument :

MSVOA_X

ClientSampled :

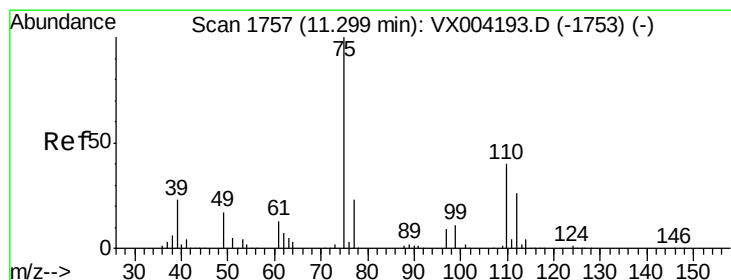
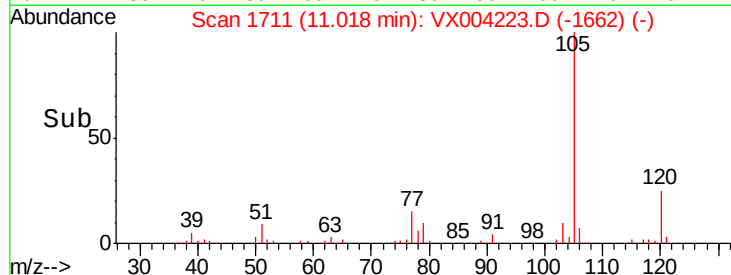
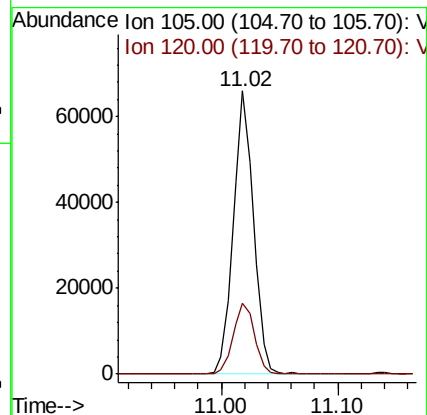
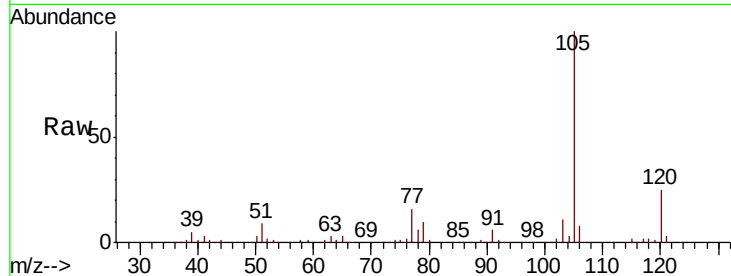
FL-0546DL

Tot Ion:105 Resp: 79386

Ion Ratio Lower Upper

105 100

120 26.5 13.5 40.4



#76

1,2,3-Trichloropropane

Concen: 1.02 ug/l

RT: 11.43 min Scan# 1779

Delta R.T. 0.13 min

Lab File: VX004223.D

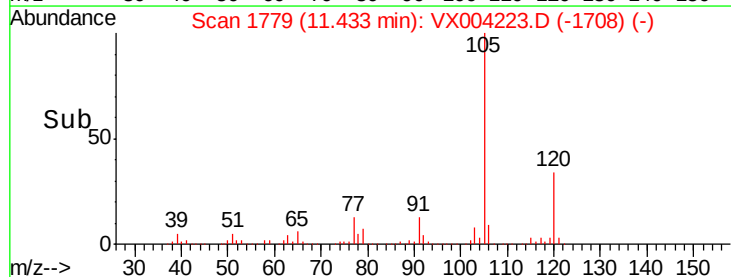
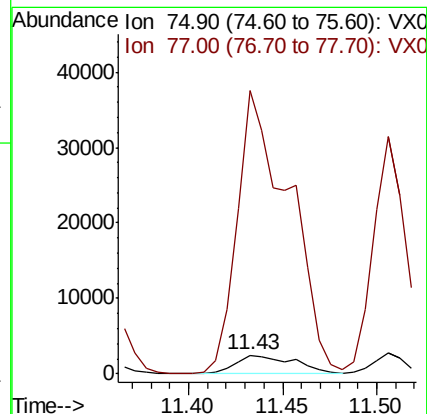
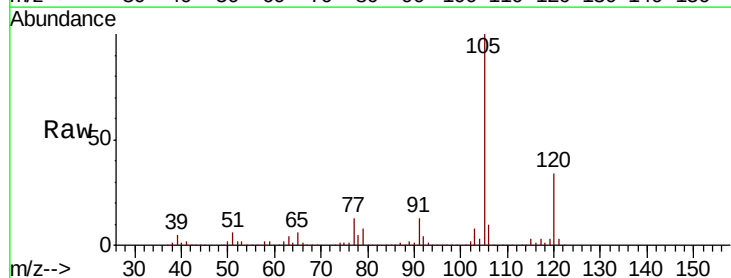
Acq: 23 Aug 2018 13:40

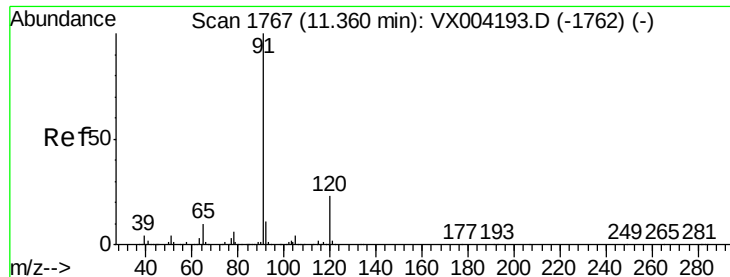
Tgt Ion: 75 Resp: 5446

Ion Ratio Lower Upper

75 100

77 1315.9 20.2 60.6#





#78

n-propylbenzene

Concen: 12.77 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004223.D

Acq: 23 Aug 2018 13:40

Instrument :

MSVOA_X

ClientSampleID :

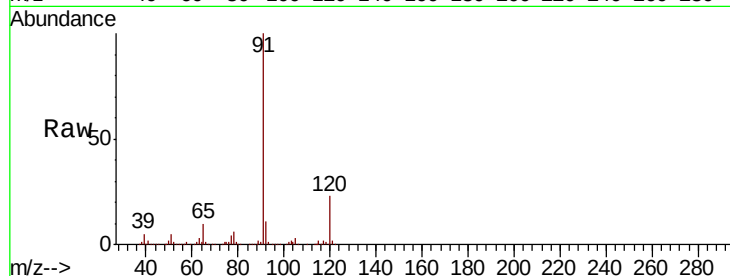
FL-0546DL

Tot Ion: 91 Resp: 252848

Ion Ratio Lower Upper

91 100

120 24.0 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

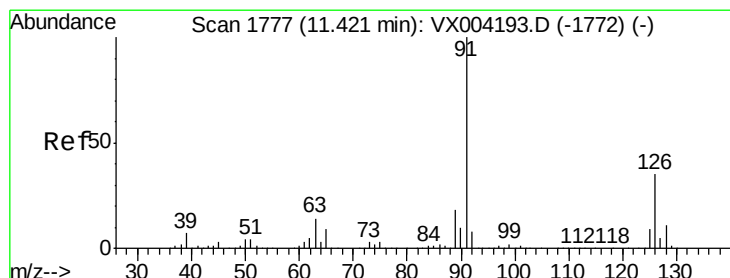
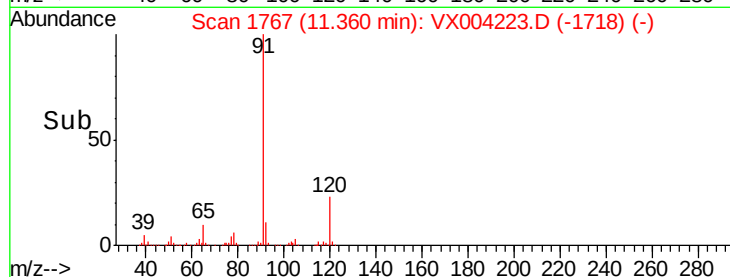
50000

0

11.30 11.35 11.40

11.36

Time-->



#79

2-Chlorotoluene

Concen: 6.00 ug/l

RT: 11.43 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VX004223.D

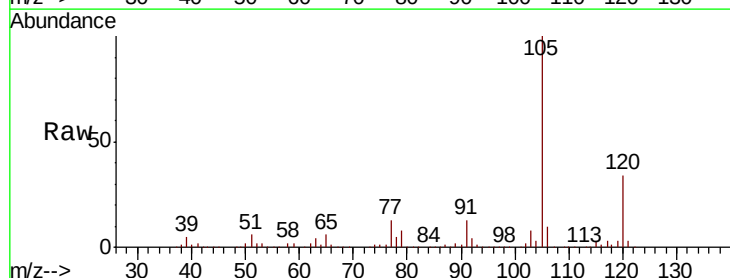
Acq: 23 Aug 2018 13:40

Tgt Ion: 91 Resp: 73123

Ion Ratio Lower Upper

91 100

126 0.0 17.9 53.7#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

200000

150000

100000

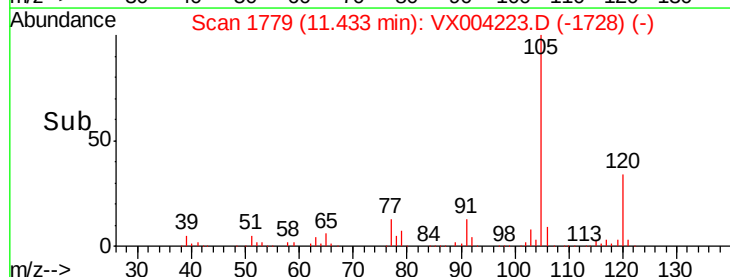
50000

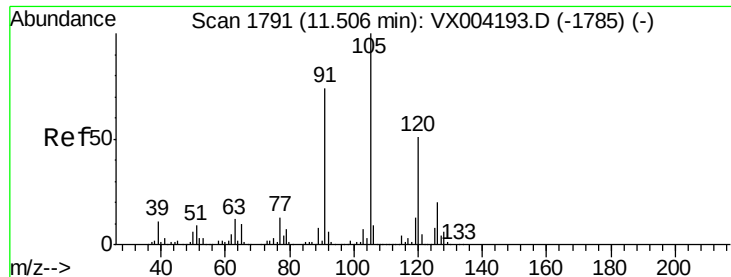
0

11.40 11.45 11.50

11.43

Time-->

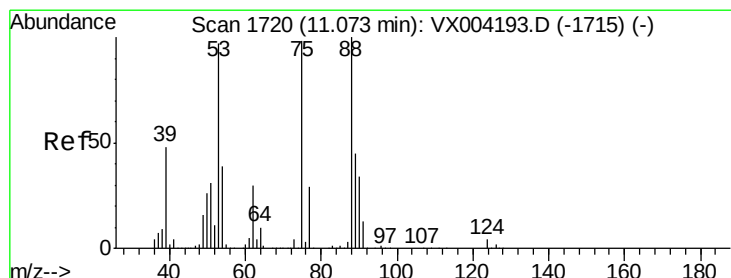
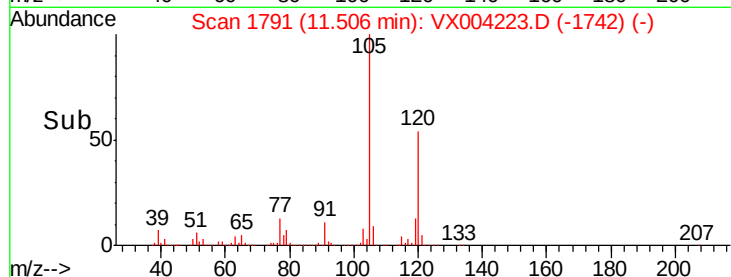
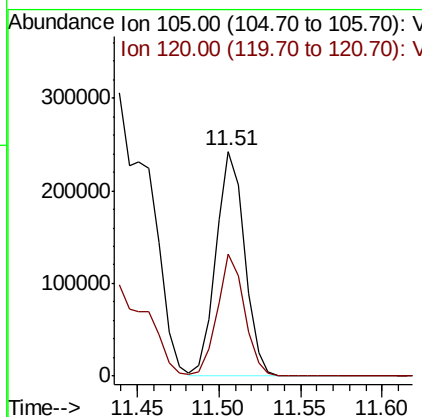
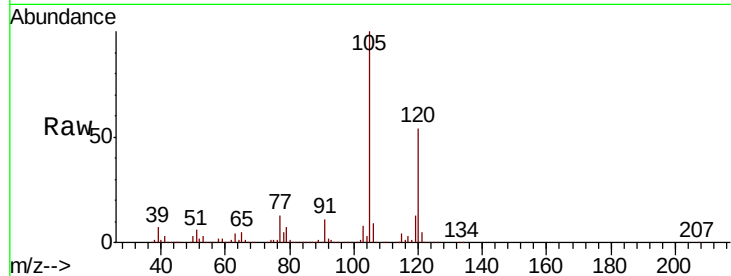




#80
 1,3,5-Trimethylbenzene
 Concen: 20.81 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX004223.D
 Acq: 23 Aug 2018 13:40

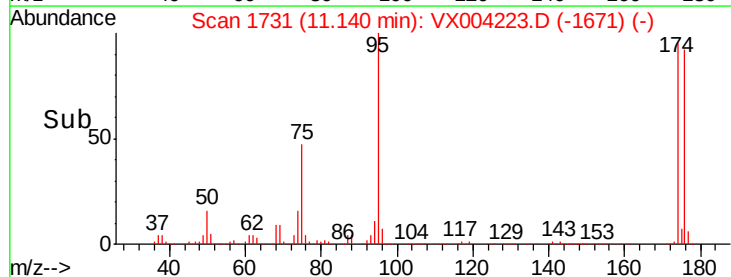
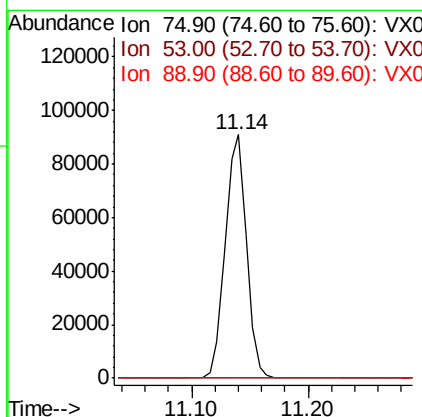
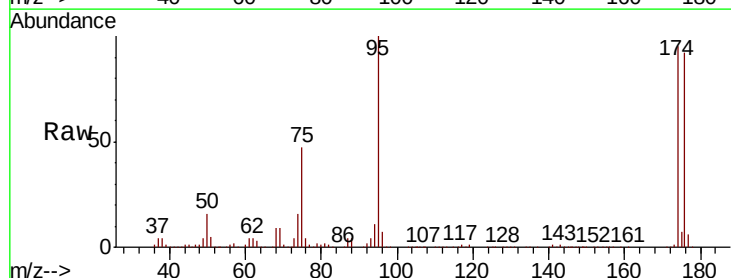
Instrument :
 MSVOA_X
 ClientSampleID :
 FL-0546DL

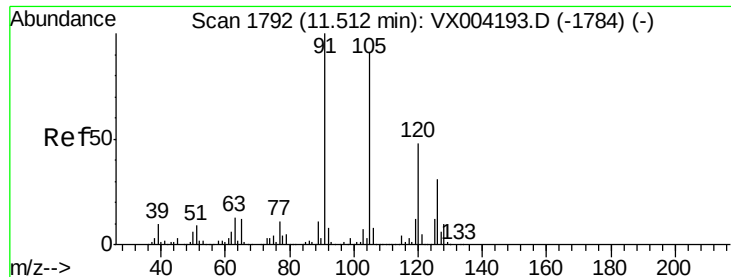
Tot Ion:105 Resp: 296617
 Ion Ratio Lower Upper
 105 100
 120 51.5 25.6 76.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.04 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.07 min
 Lab File: VX004223.D
 Acq: 23 Aug 2018 13:40

Tgt Ion: 75 Resp: 115065
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.1 120.1#
 89 0.0 37.2 55.8#





#82

4-Chlorotoluene

Concen: 2.17 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX004223.D

Acq: 23 Aug 2018 13:40

Instrument :

MSVOA_X

ClientSampleId :

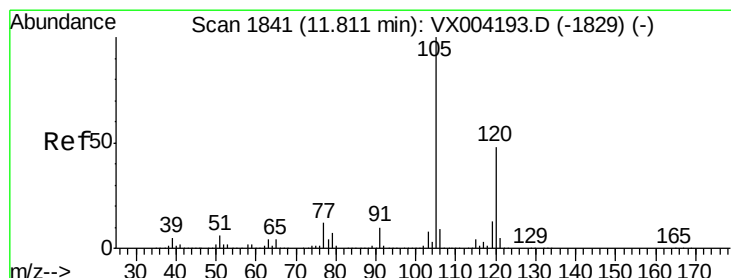
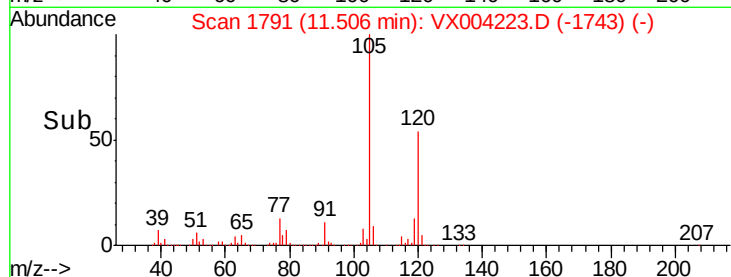
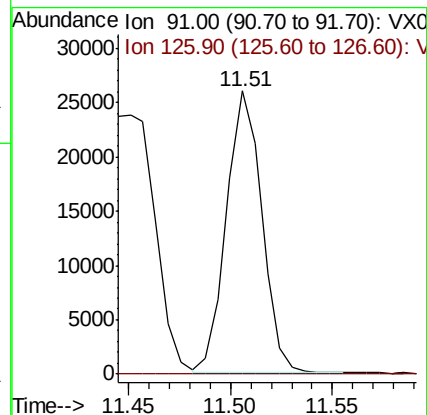
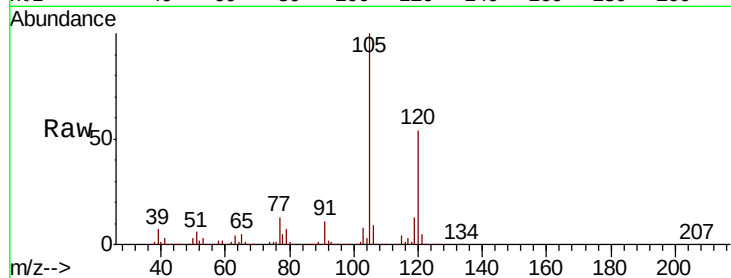
FL-0546DL

Tot Ion: 91 Resp: 31115

Ion Ratio Lower Upper

91 100

126 0.4 15.5 46.5#



#84

1,2,4-Trimethylbenzene

Concen: 40.01 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX004223.D

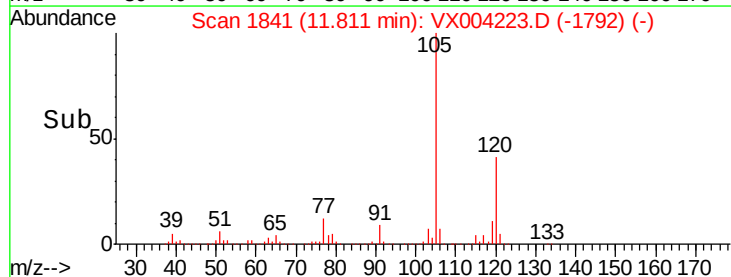
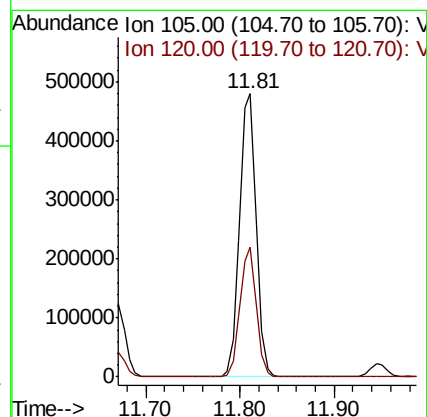
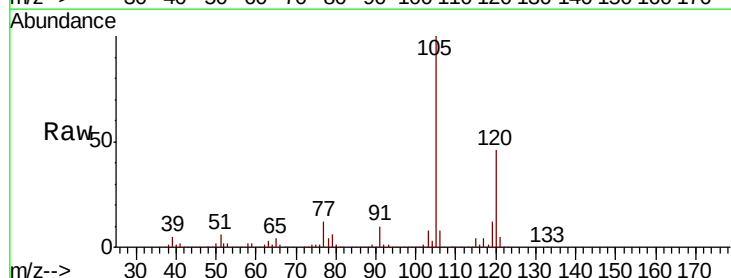
Acq: 23 Aug 2018 13:40

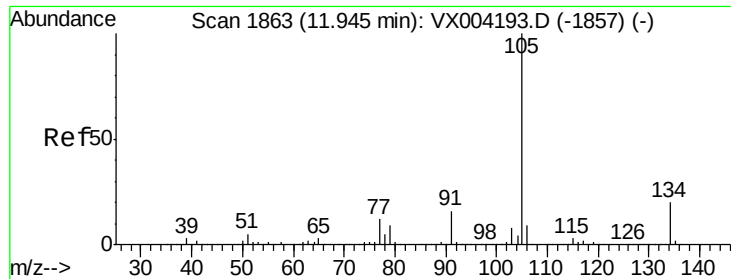
Tgt Ion:105 Resp: 585508

Ion Ratio Lower Upper

105 100

120 44.9 23.2 69.6

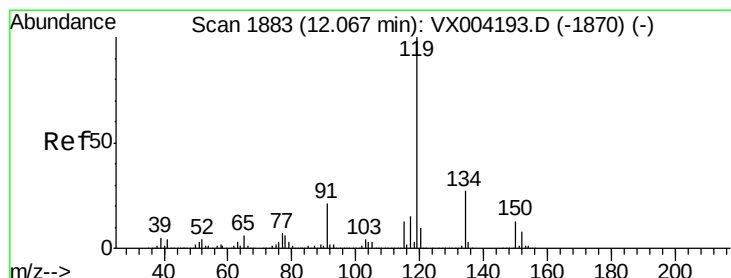
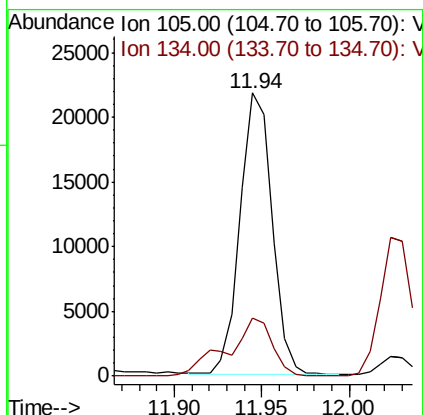
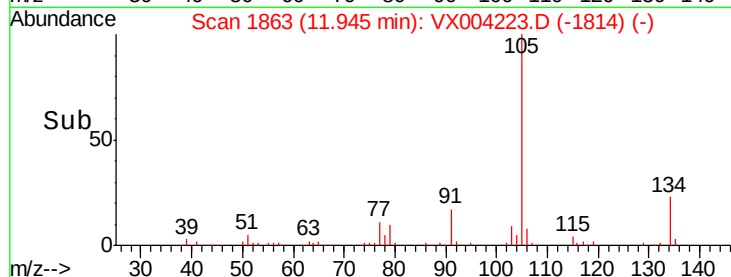
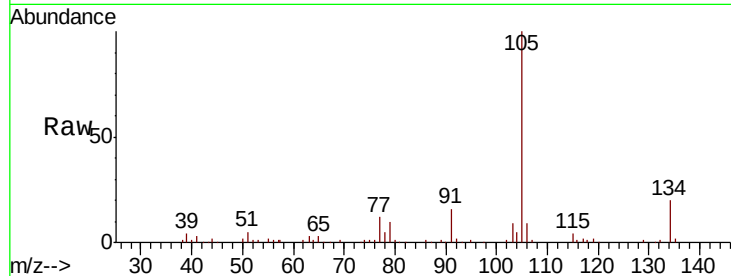




#85
 sec-Butylbenzene
 Concen: 1.64 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VX004223.D
 Acq: 23 Aug 2018 13:40

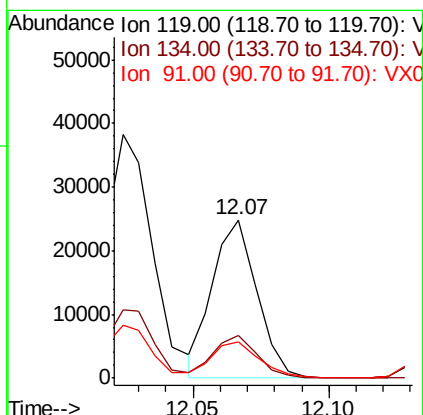
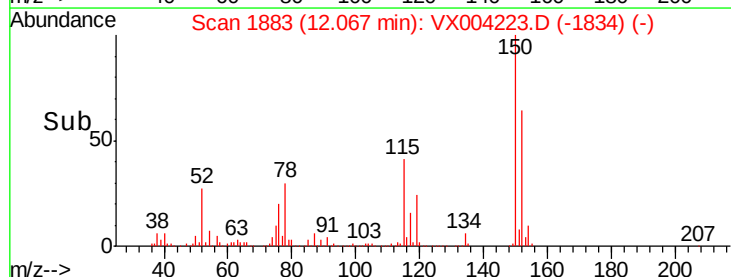
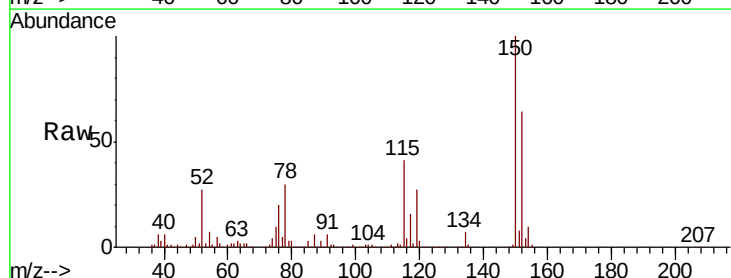
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0546DL

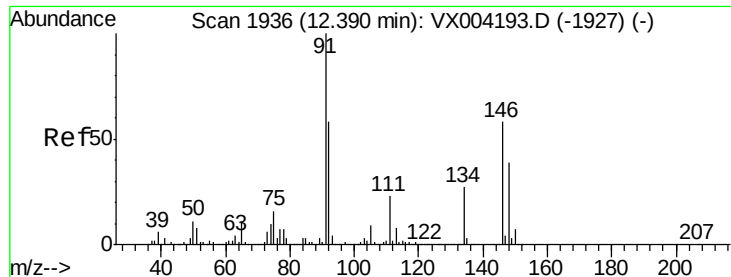
Tot Ion:105 Resp: 27933
 Ion Ratio Lower Upper
 105 100
 134 28.6 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 1.85 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004223.D
 Acq: 23 Aug 2018 13:40

Tgt Ion:119 Resp: 28227
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.2
 91 24.2 10.9 32.7





#89

n-Butylbenzene

Concen: 1.71 ug/l

RT: 12.38 min Scan# 1935

Delta R.T. -0.01 min

Lab File: VX004223.D

Acq: 23 Aug 2018 13:40

Instrument :

MSVOA_X

ClientSampled :

FL-0546DL

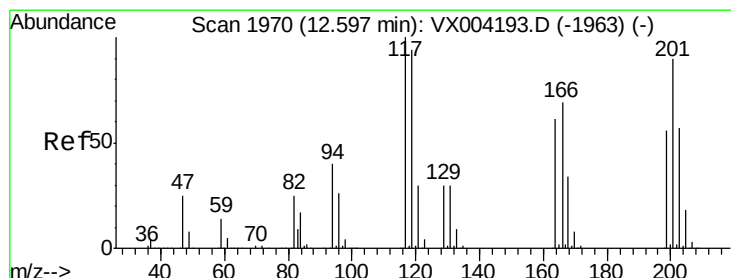
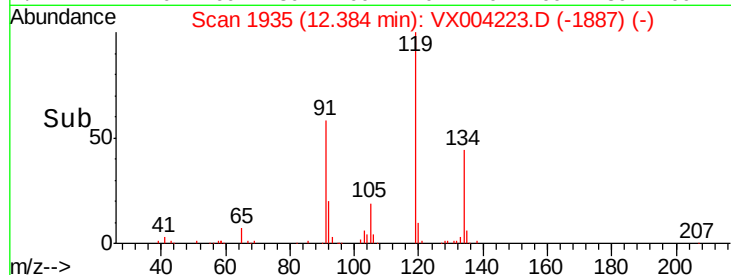
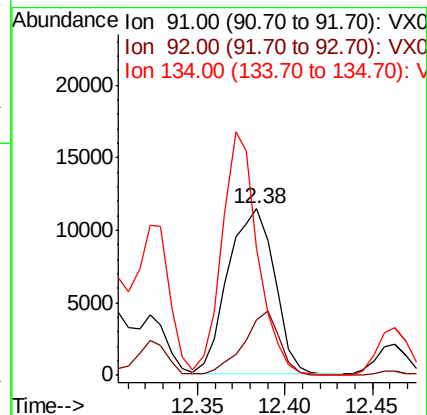
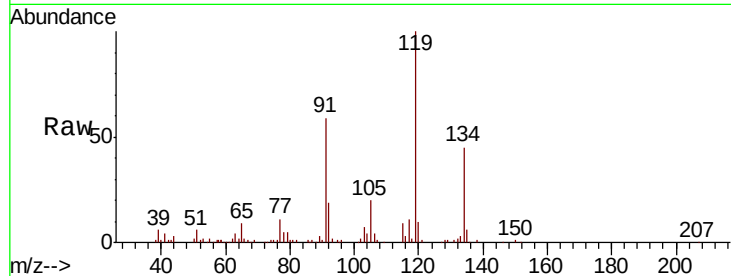
Tot Ion: 91 Resp: 21187

Ion Ratio Lower Upper

91 100

92 30.4 27.3 81.9

134 112.8 13.6 40.7#



#90

Hexachloroethane

Concen: 1.70 ug/l

RT: 12.59 min Scan# 1969

Delta R.T. -0.01 min

Lab File: VX004223.D

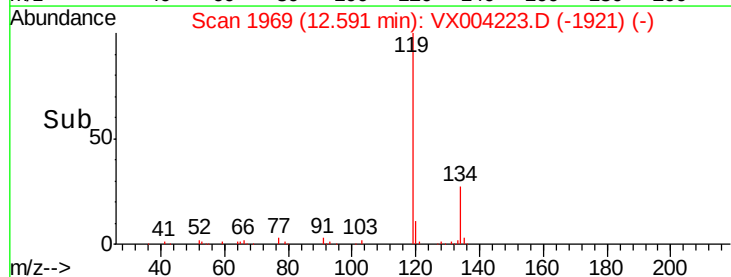
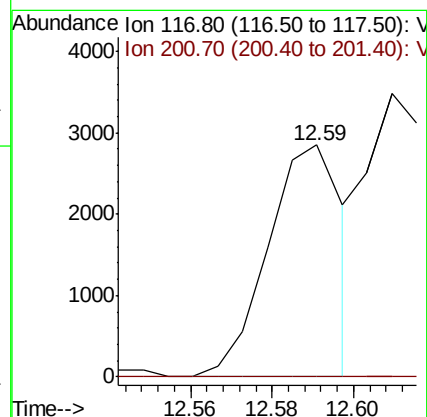
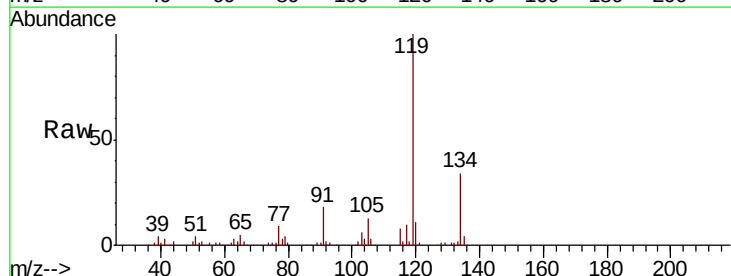
Acq: 23 Aug 2018 13:40

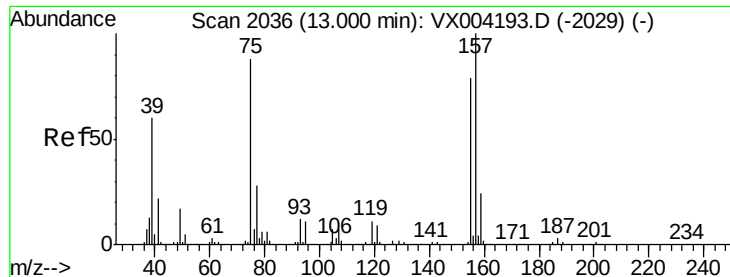
Tgt Ion: 117 Resp: 3625

Ion Ratio Lower Upper

117 100

201 0.0 46.9 140.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.39 ug/l

RT: 13.02 min Scan# 2039

Delta R.T. 0.02 min

Lab File: VX004223.D

Acq: 23 Aug 2018 13:40

Instrument :

MSVOA_X

ClientSampled :

FL-0546DL

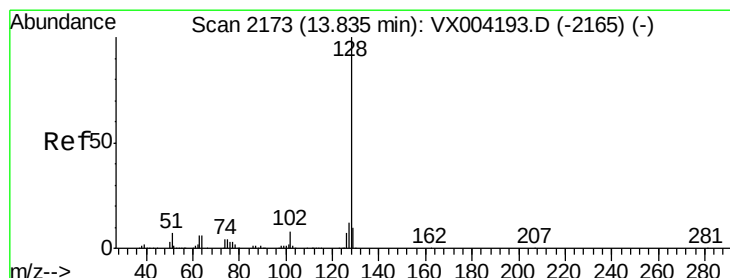
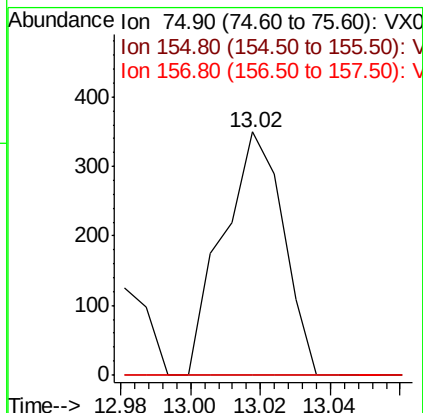
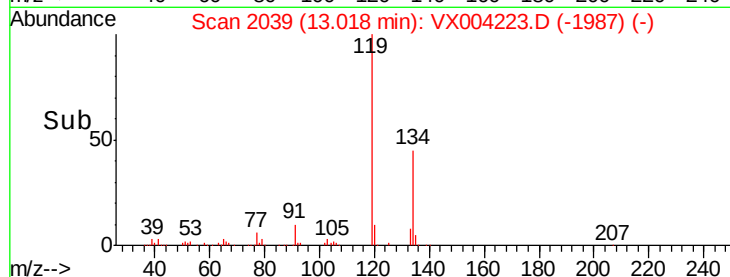
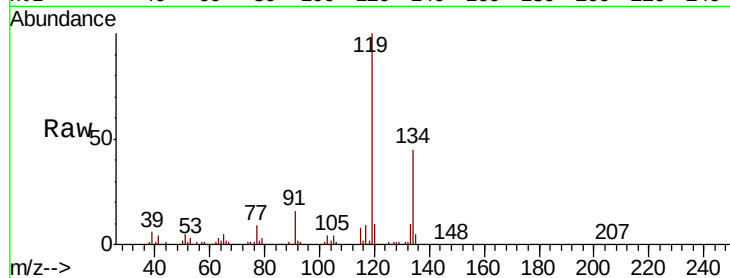
Tot Ion: 75 Resp: 419

Ion Ratio Lower Upper

75 100

155 0.0 48.0 144.2#

157 0.0 61.4 184.1#



#95

Naphthalene

Concen: 1.85 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX004223.D

Acq: 23 Aug 2018 13:40

Tgt Ion: 128 Resp: 31594

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

129 13.1 8.6 12.8#

