

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080718\
 Data File : VX003891.D
 Acq On : 07 Aug 2018 20:06
 Operator : JC/MD
 Sample : J4344-12 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0531DL

Quant Time: Aug 08 01:25:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	313538	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	478892	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	452535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	251727	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	206091	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
35) Dibromofluoromethane	5.51	113	174984	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	
50) Toluene-d8	8.72	98	685772	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	
62) 4-Bromofluorobenzene	11.14	95	247676	54.25	ug/l	0.00
Spiked Amount			Recovery	=	108.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	918	0.21	ug/l	# 76
5) Bromomethane	1.65	94	760	Below	Cal	# 75
6) Chloroethane	1.67	64	4042	1.47	ug/l	# 54
11) Tert butyl alcohol	3.07	59	676	0.68	ug/l	# 73
13) Acrolein	2.31	56	299	Below	Cal	# 15
15) Acrylonitrile	3.17	53	1843	0.77	ug/l	# 47
16) Acetone	2.45	43	2444	0.99	ug/l	# 75
17) Carbon Disulfide	2.57	76	1079	0.55	ug/l	# 88
18) Methyl Acetate	2.84	43	10880	2.02	ug/l	# 52
20) Methylene Chloride	2.86	84	2361	Below	Cal	# 90
25) 2-Butanone	4.72	43	773	0.21	ug/l	# 90
26) 2,2-Dichloropropane	4.77	77	2811	0.55	ug/l	# 51
29) Tetrahydrofuran	5.18	42	611	0.32	ug/l	# 43
31) Cyclohexane	5.57	56	64818	10.82	ug/l	# 98
36) 1,1-Dichloropropene	5.67	75	21499	4.01	ug/l	# 49
37) Ethyl Acetate	4.78	43	1605	0.27	ug/l	# 1
38) Carbon Tetrachloride	5.67	117	27500	5.39	ug/l	# 14
39) Methylcyclohexane	7.46	83	139503	22.06	ug/l	# 98
43) Isopropyl Acetate	6.46	43	2097	0.24	ug/l	# 59
45) 1,2-Dichloropropane	7.46	63	1679	0.40	ug/l	# 1
48) Methyl methacrylate	7.73	41	6453	1.43	ug/l	# 47
51) 4-Methyl-2-Pentanone	8.67	43	1797	0.24	ug/l	# 34
55) 1,1,2-Trichloroethane	9.16	97	9498	2.28	ug/l	# 21
56) Ethyl methacrylate	9.16	69	2292	0.38	ug/l	# 1
67) Ethyl Benzene	10.26	91	82837	4.30	ug/l	# 100
68) m/p-Xylenes	10.36	106	75916	10.08	ug/l	# 96
73) Isopropylbenzene	11.02	105	116901	6.28	ug/l	# 96
74) N-amyl acetate	6.46	43	2097	0.22	ug/l	# 54
76) 1,2,3-Trichloropropane	11.44	75	8353	1.50	ug/l	# 1
78) n-propylbenzene	11.36	91	228360	10.92	ug/l	# 99
79) 2-Chlorotoluene	11.44	91	120547	9.46	ug/l	# 40
80) 1,3,5-Trimethylbenzene	11.51	105	403064	26.54	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	11.14	75	120655	58.63	ug/l	# 9
82) 4-Chlorotoluene	11.51	91	41737	2.79	ug/l	# 44

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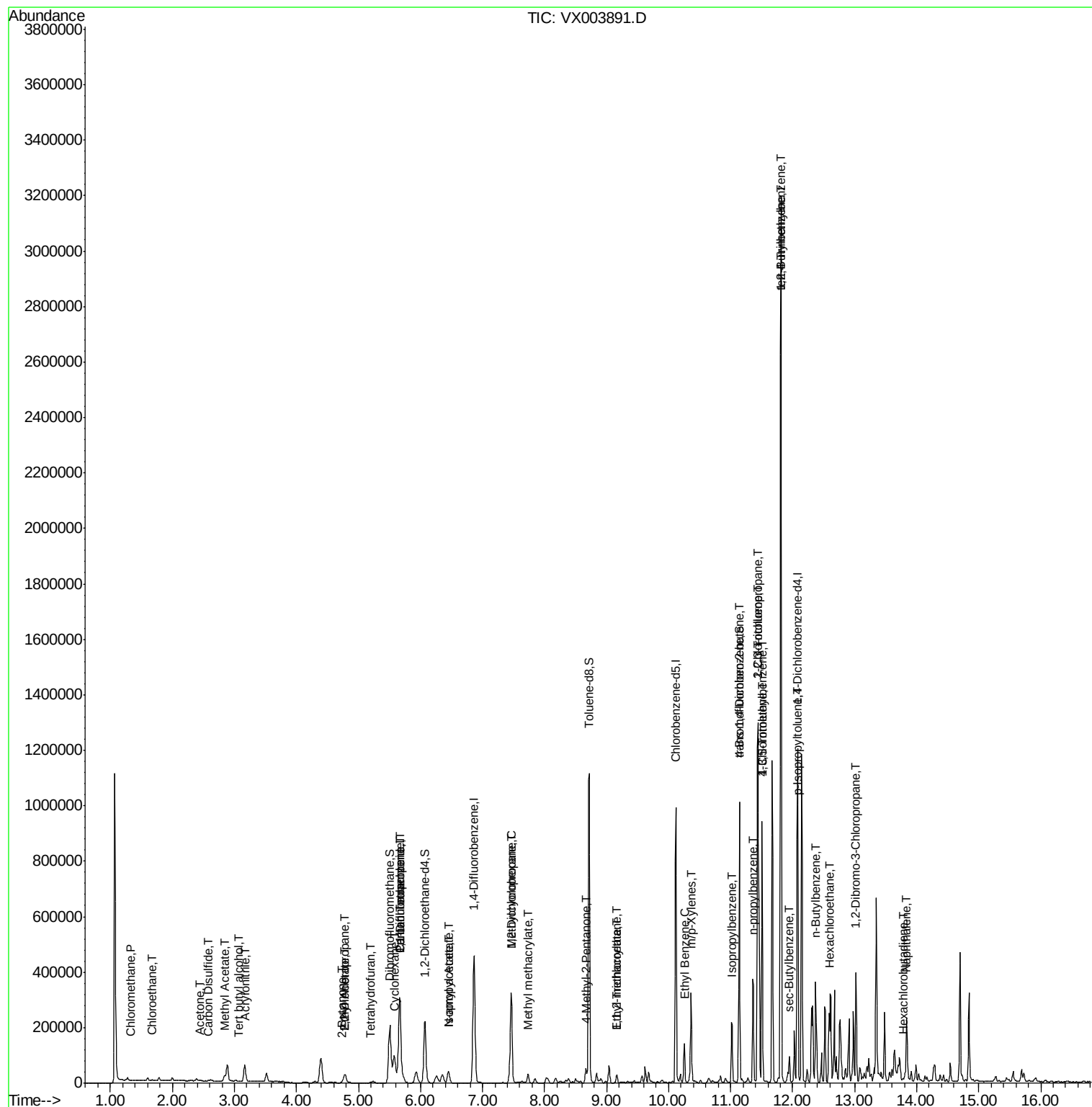
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	11.81	119	171072	11.45	ug/l #	62
84) 1,2,4-Trimethylbenzene	11.81	105	1347705	88.27	ug/l	100
85) sec-Butylbenzene	11.94	105	50022	2.84	ug/l	83
86) p-Isopropyltoluene	12.07	119	50126	3.17	ug/l	96
88) 1,4-Dichlorobenzene	12.03	146	420	Below	Cal	82
89) n-Butylbenzene	12.38	91	46596	3.38	ug/l #	14
90) Hexachloroethane	12.59	117	10368	4.04	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	13.02	75	1313	1.00	ug/l #	1
94) Hexachlorobutadiene	13.79	225	340	0.55	ug/l	90
95) Naphthalene	13.83	128	145007	7.73	ug/l	99

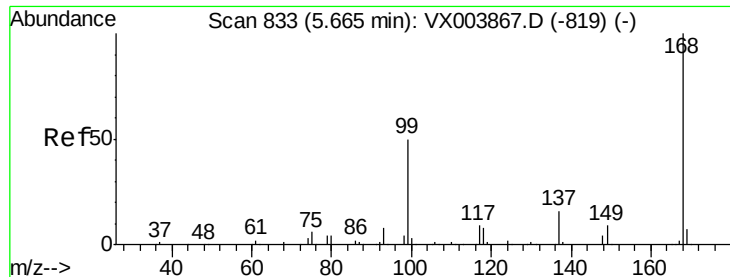
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003891.D

Acq: 07 Aug 2018 20:06

Instrument :

MSVOA_X

ClientSampleID :

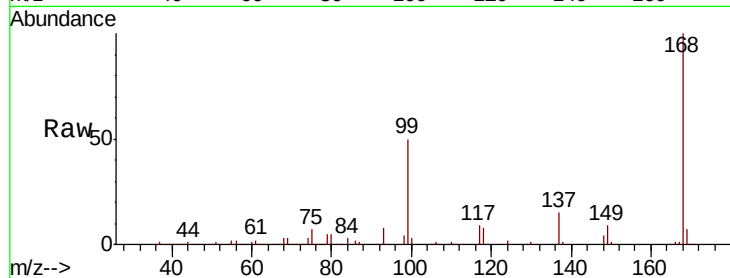
FL-0531DL

Tot Ion:168 Resp: 313538

Ion Ratio Lower Upper

168 100

99 50.0 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

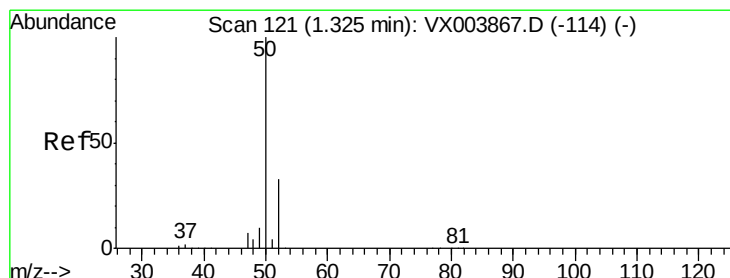
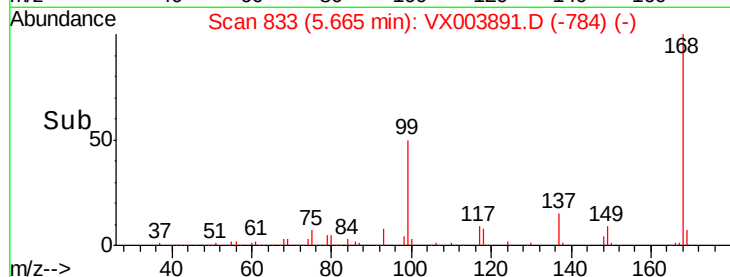
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.21 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX003891.D

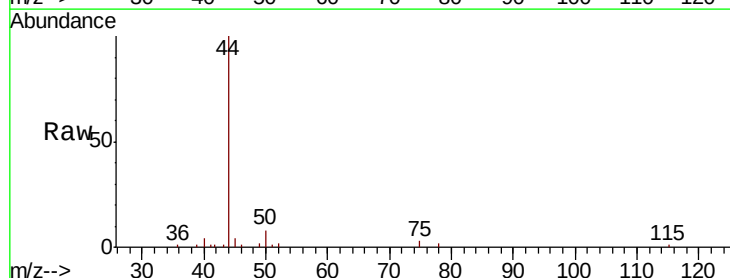
Acq: 07 Aug 2018 20:06

Tgt Ion: 50 Resp: 918

Ion Ratio Lower Upper

50 100

52 19.8 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

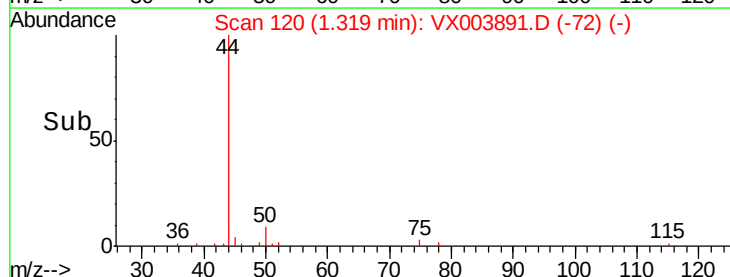
600

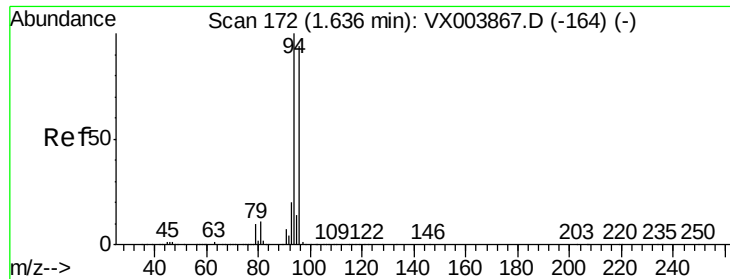
400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003891.D

Acq: 07 Aug 2018 20:06

Instrument :

MSVOA_X

ClientSampleID :

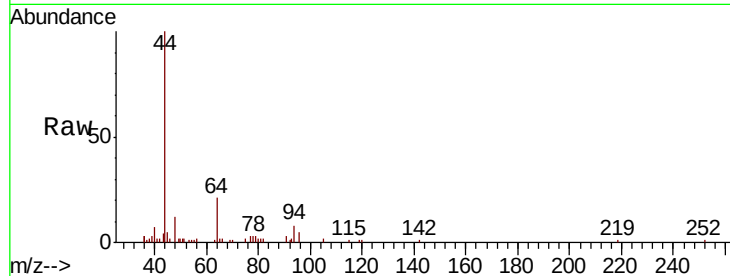
FL-0531DL

Tot Ion: 94 Resp: 760

Ion Ratio Lower Upper

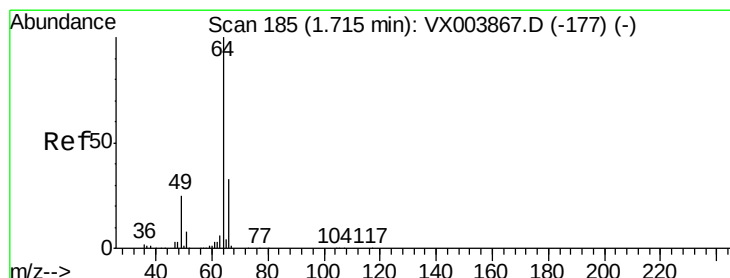
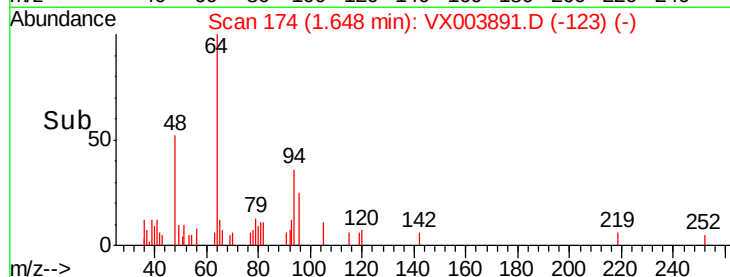
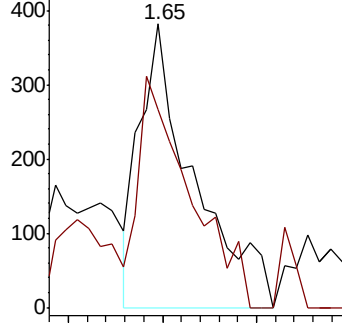
94 100

96 69.6 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 1.47 ug/l

RT: 1.67 min Scan# 177

Delta R.T. -0.05 min

Lab File: VX003891.D

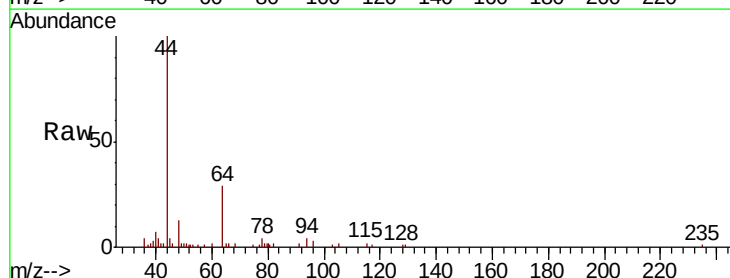
Acq: 07 Aug 2018 20:06

Tgt Ion: 64 Resp: 4042

Ion Ratio Lower Upper

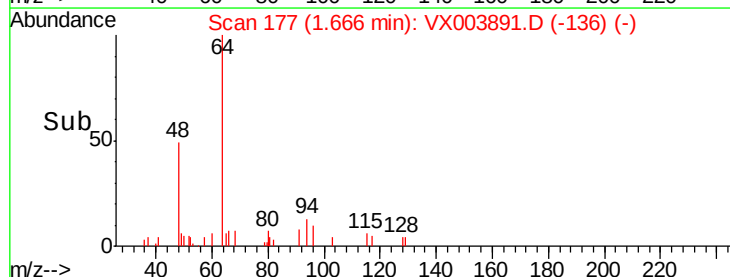
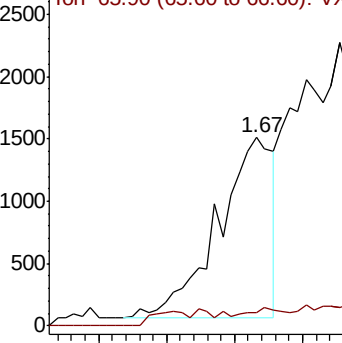
64 100

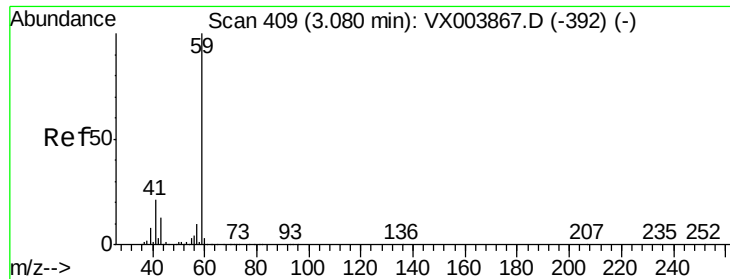
66 7.3 26.5 39.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



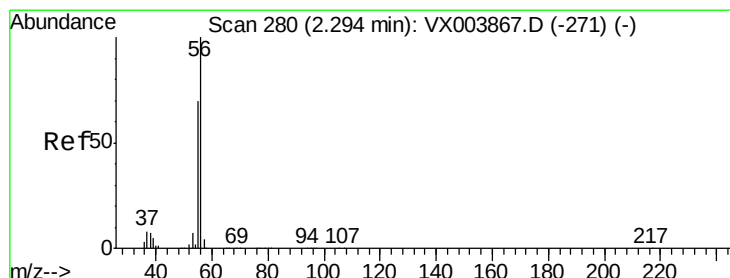
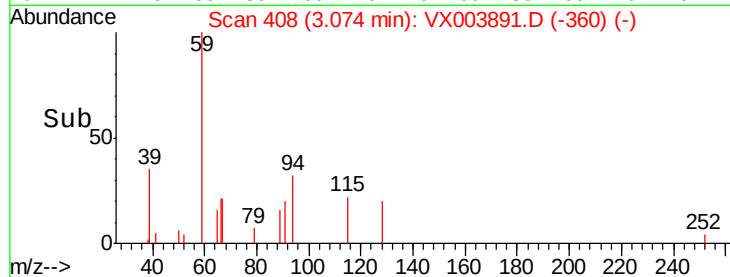
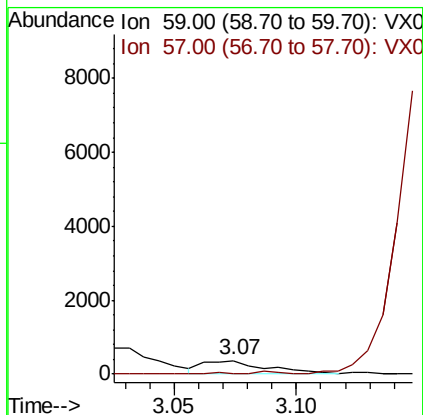
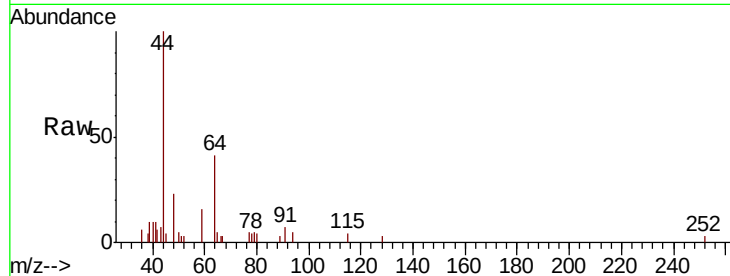


#11

Tert butyl alcohol
 Concen: 0.68 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX003891.D
 Acq: 07 Aug 2018 20:06

Instrument :
 MSVOA_X
 ClientSampleID :
 FL-0531DL

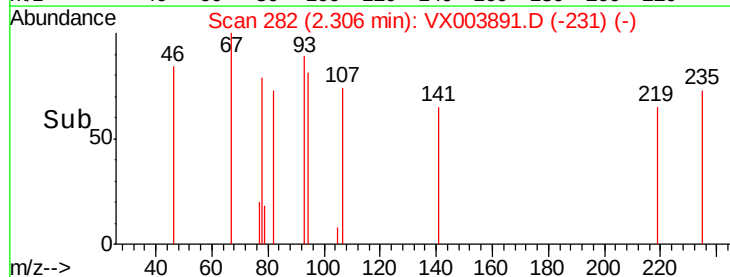
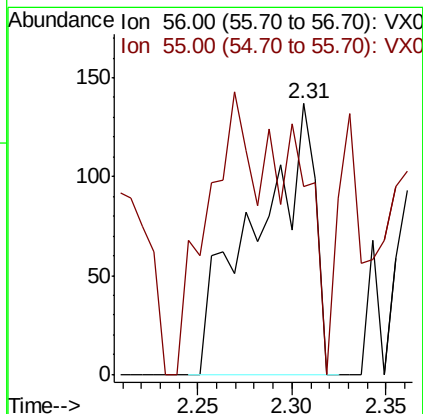
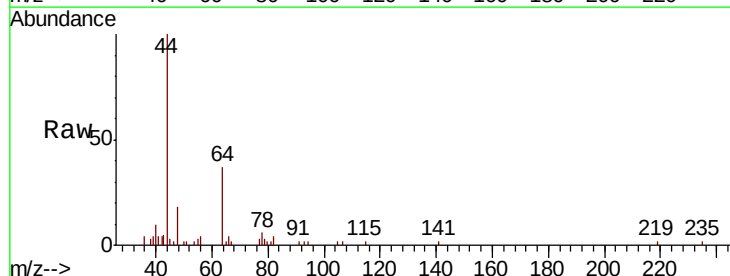
Tot Ion: 59 Resp: 676
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#

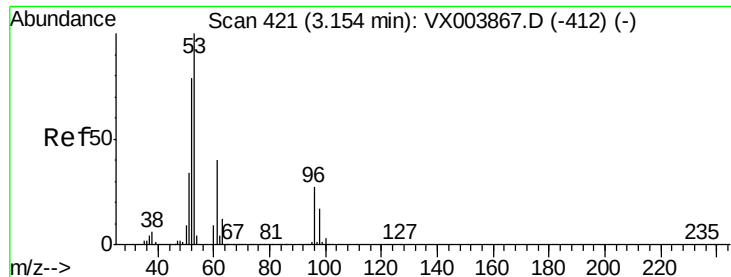


#13

Acrolein
 Concen: Below Cal
 RT: 2.31 min Scan# 282
 Delta R.T. 0.01 min
 Lab File: VX003891.D
 Acq: 07 Aug 2018 20:06

Tgt Ion: 56 Resp: 299
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.1 84.1#





#15

Acrylonitrile

Concen: 0.77 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003891.D

Acq: 07 Aug 2018 20:06

Instrument :

MSVOA_X

ClientSampled :

FL-0531DL

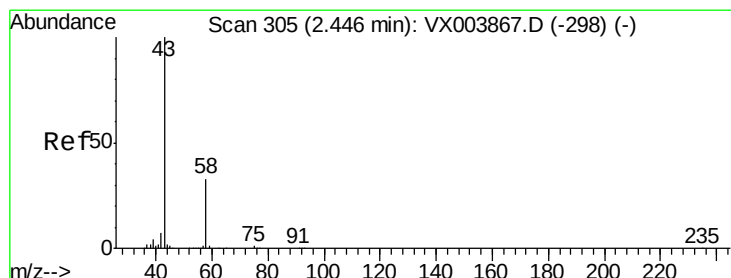
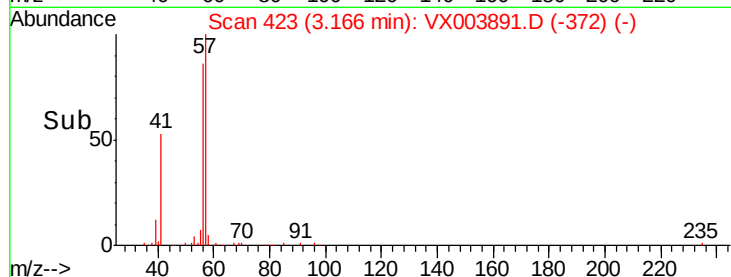
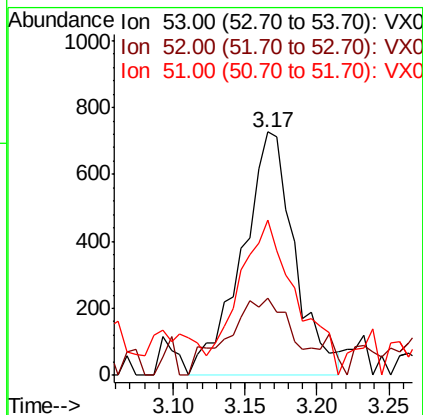
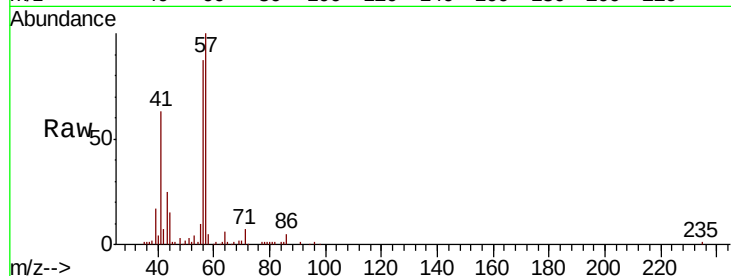
Tot Ion: 53 Resp: 1843

Ion Ratio Lower Upper

53 100

52 36.9 65.3 97.9#

51 69.6 27.9 41.9#



#16

Acetone

Concen: 0.99 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003891.D

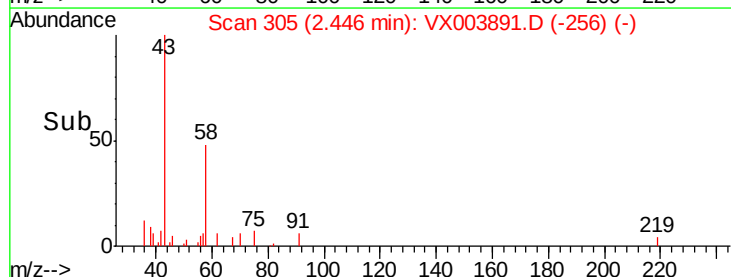
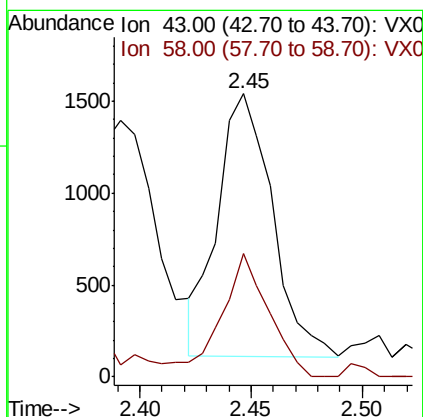
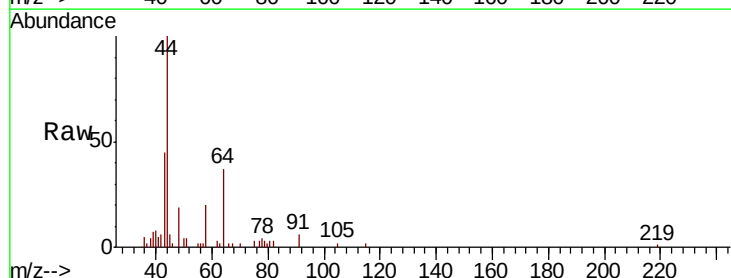
Acq: 07 Aug 2018 20:06

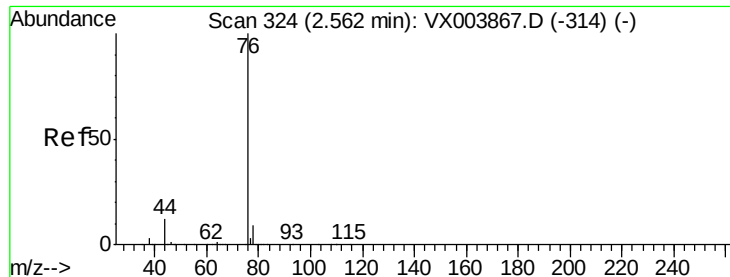
Tgt Ion: 43 Resp: 2444

Ion Ratio Lower Upper

43 100

58 47.1 26.4 39.6#





#17

Carbon Disulfide

Concen: 0.55 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003891.D

Acq: 07 Aug 2018 20:06

Instrument :

MSVOA_X

ClientSampleId :

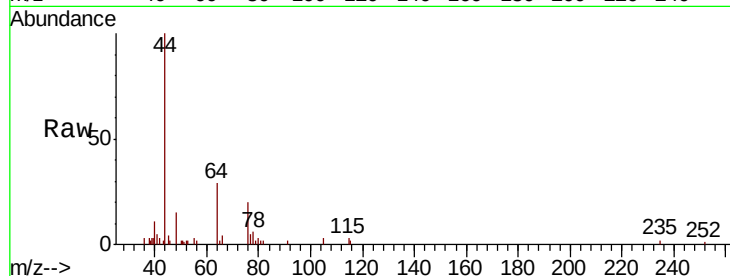
FL-0531DL

Tot Ion: 76 Resp: 1079

Ion Ratio Lower Upper

76 100

78 13.9 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

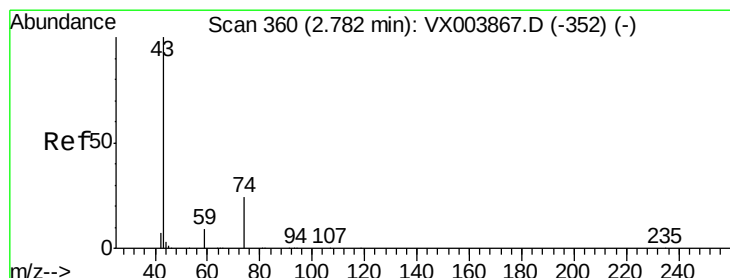
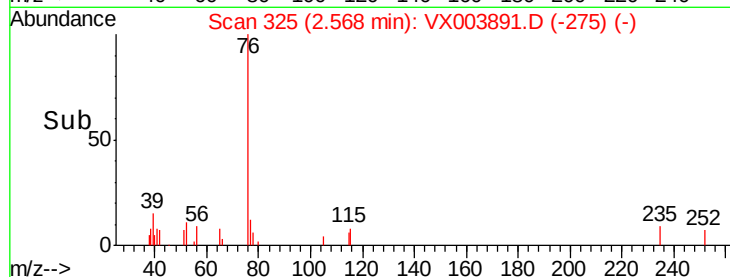
600

400

200

0

Time--> 2.50 2.55 2.60



#18

Methyl Acetate

Concen: 2.02 ug/l

RT: 2.84 min Scan# 370

Delta R.T. 0.06 min

Lab File: VX003891.D

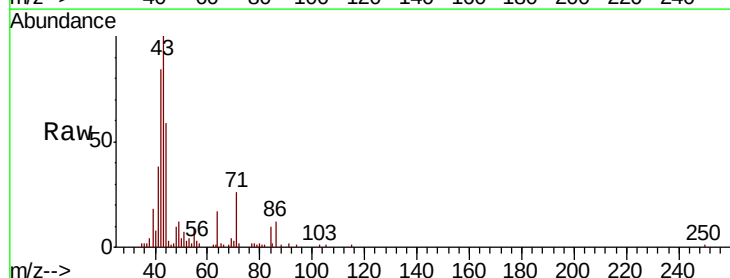
Acq: 07 Aug 2018 20:06

Tgt Ion: 43 Resp: 10880

Ion Ratio Lower Upper

43 100

74 0.0 18.9 28.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

20000

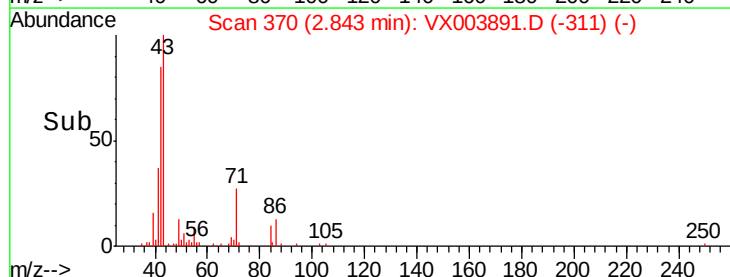
15000

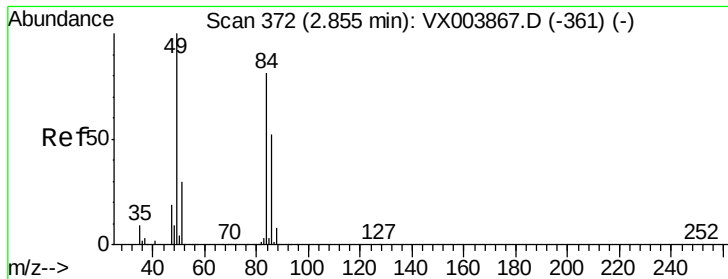
10000

5000

0

Time--> 2.80 2.85

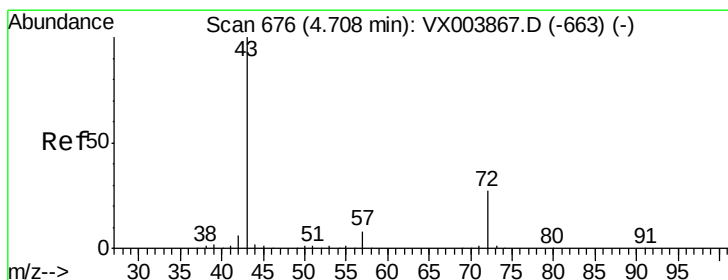
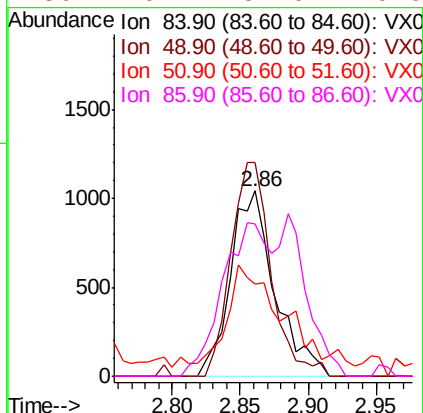
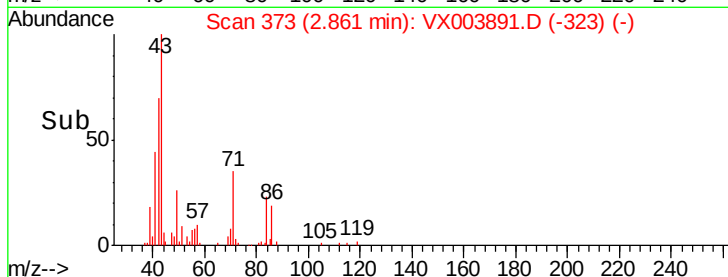
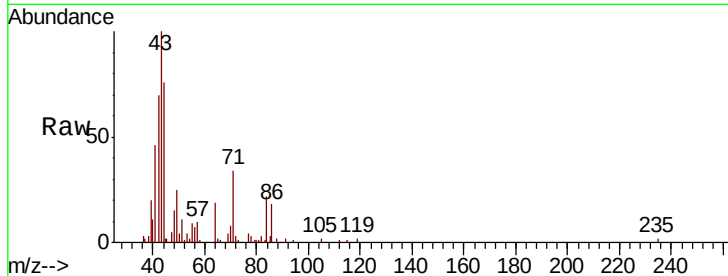




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003891.D
Acq: 07 Aug 2018 20:06

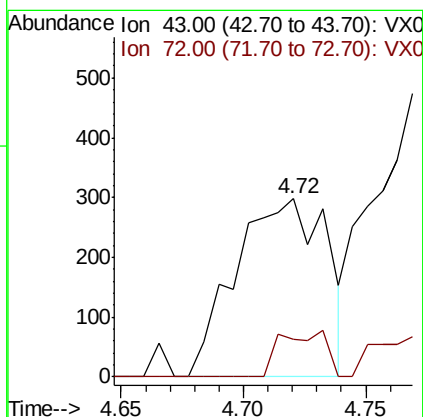
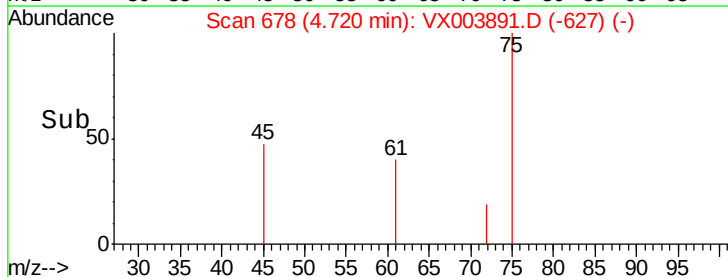
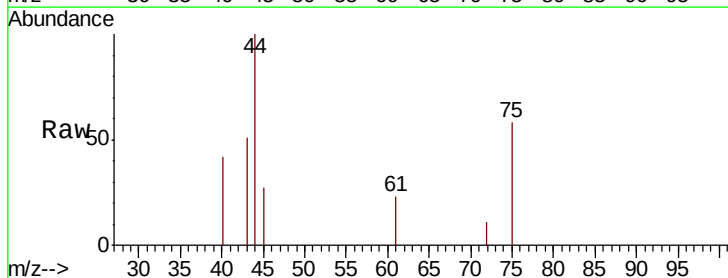
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FL-0531DL

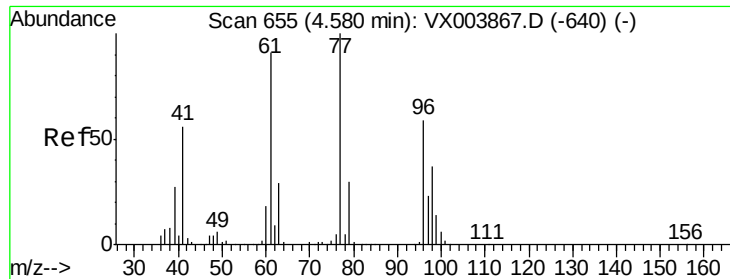
Tot Ion: 84 Resp: 2361
Ion Ratio Lower Upper
84 100
49 115.3 98.9 148.3
51 43.1 29.9 44.9
86 76.7 51.0 76.6#



#25
2-Butanone
Concen: 0.21 ug/l
RT: 4.72 min Scan# 678
Delta R.T. 0.01 min
Lab File: VX003891.D
Acq: 07 Aug 2018 20:06

Tgt Ion: 43 Resp: 773
Ion Ratio Lower Upper
43 100
72 21.5 21.4 32.0

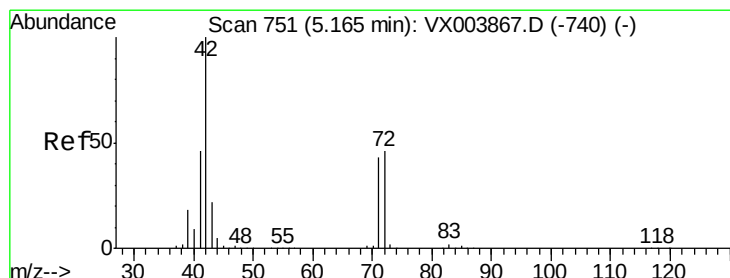
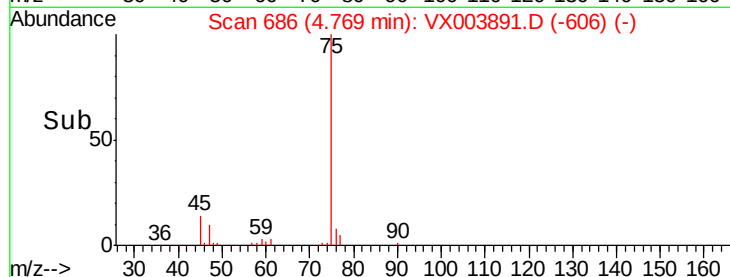
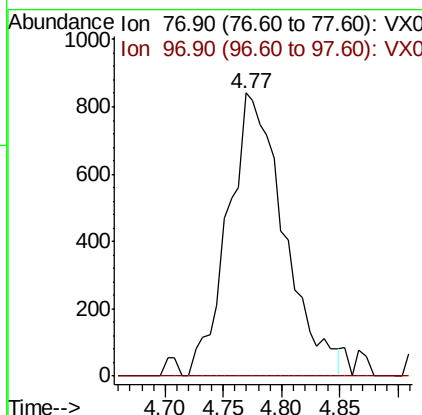
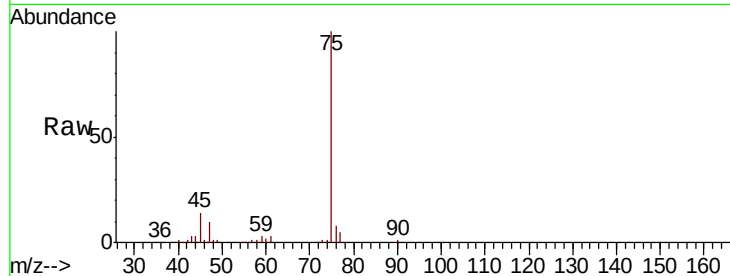




#26
 2,2-Dichloropropane
 Concen: 0.55 ug/l
 RT: 4.77 min Scan# 686
 Delta R.T. 0.19 min
 Lab File: VX003891.D
 Acq: 07 Aug 2018 20:06

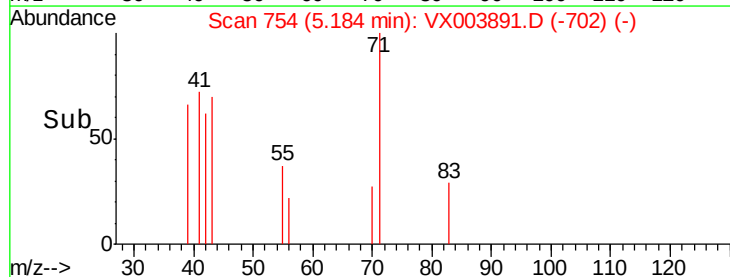
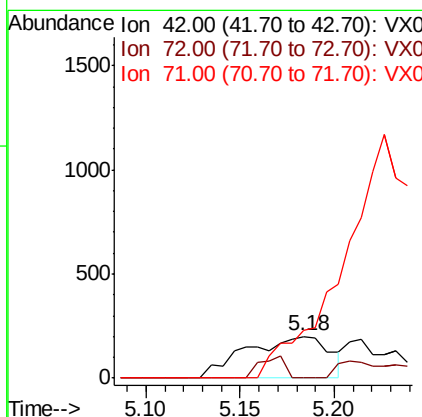
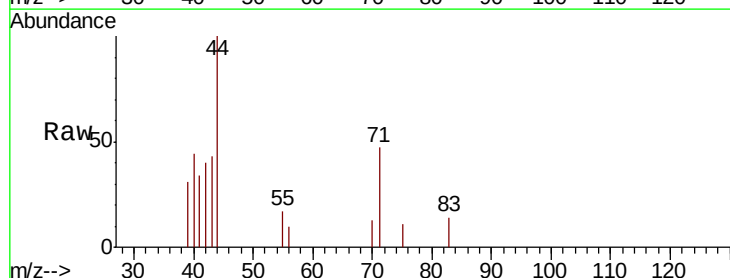
Instrument :
 MSVOA_X
 ClientSampleID :
 FL-0531DL

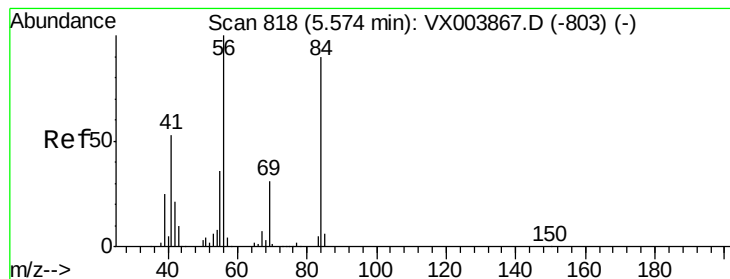
Tot Ion: 77 Resp: 2811
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.9 35.9#



#29
 Tetrahydrofuran
 Concen: 0.32 ug/l
 RT: 5.18 min Scan# 754
 Delta R.T. 0.02 min
 Lab File: VX003891.D
 Acq: 07 Aug 2018 20:06

Tgt Ion: 42 Resp: 611
 Ion Ratio Lower Upper
 42 100
 72 15.7 37.7 56.5#
 71 0.0 35.0 52.6#





#31

Cyclohexane

Concen: 10.82 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX003891.D

Acq: 07 Aug 2018 20:06

Instrument :

MSVOA_X

ClientSampled :

FL-0531DL

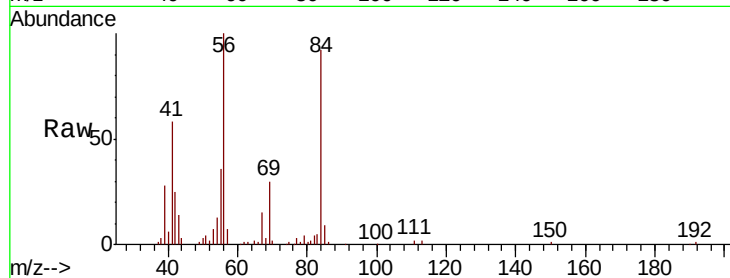
Tot Ion: 56 Resp: 64818

Ion Ratio Lower Upper

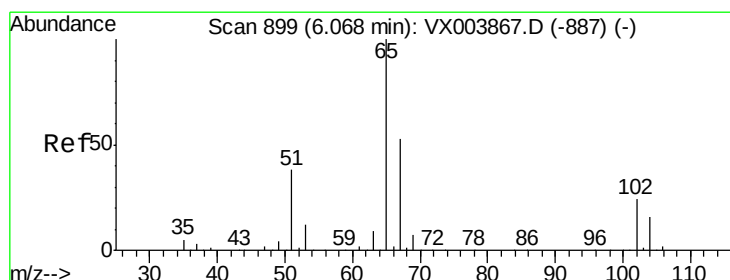
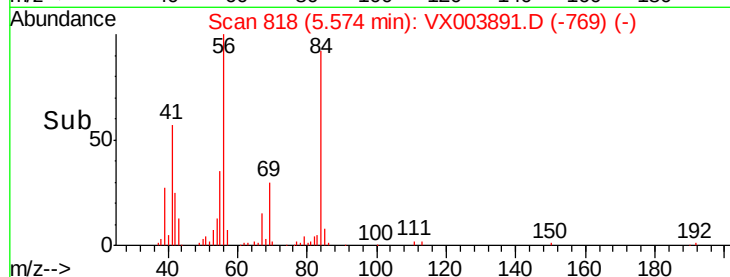
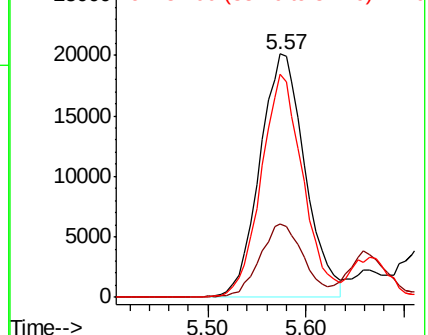
56 100

69 30.2 24.9 37.3

84 91.5 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



#33

1,2-Dichloroethane-d4

Concen: 49.59 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.00 min

Lab File: VX003891.D

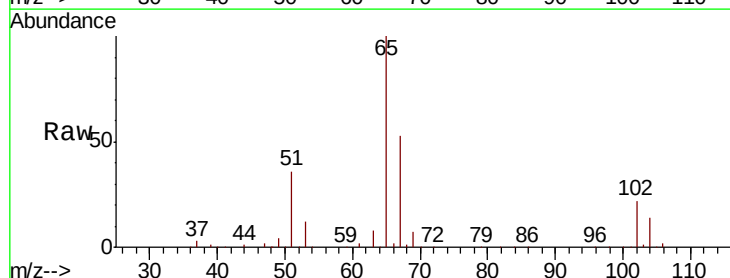
Acq: 07 Aug 2018 20:06

Tgt Ion: 65 Resp: 206091

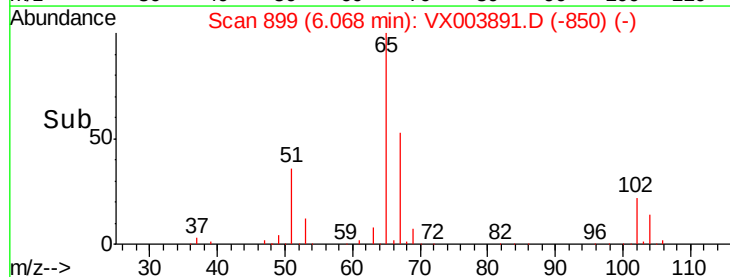
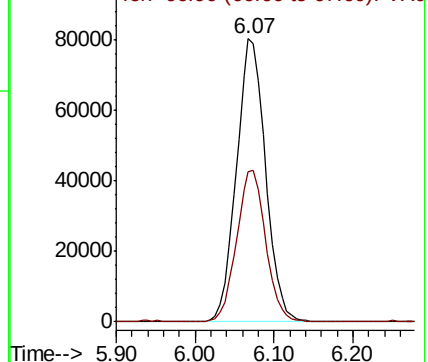
Ion Ratio Lower Upper

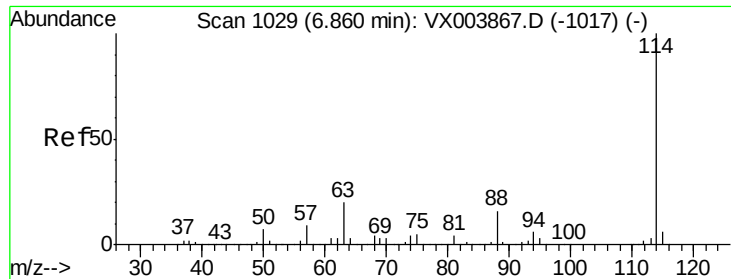
65 100

67 53.4 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

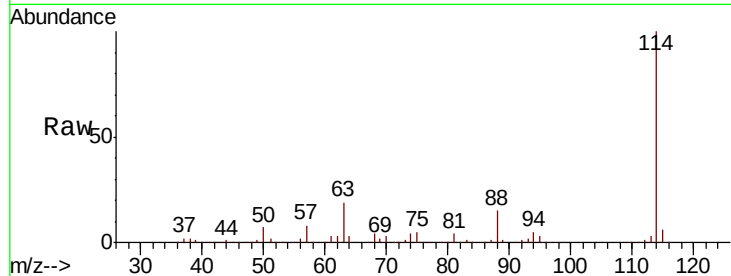




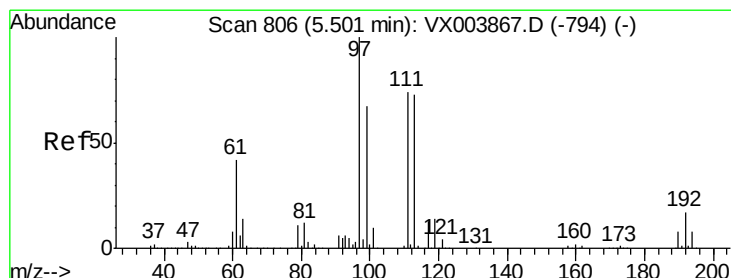
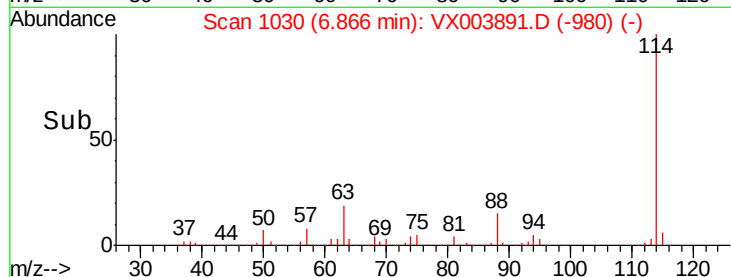
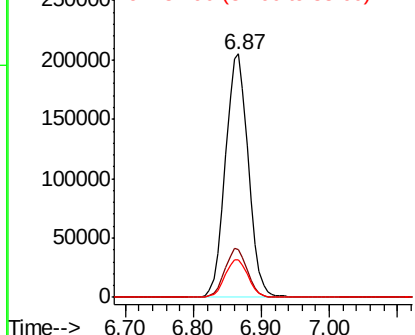
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.87 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VX003891.D
Acq: 07 Aug 2018 20:06

Instrument :
MSVOA_X
ClientSampled :
FL-0531DL

Tot Ion:114 Resp: 478892
Ion Ratio Lower Upper
114 100
63 19.4 0.0 39.0
88 15.3 0.0 32.0

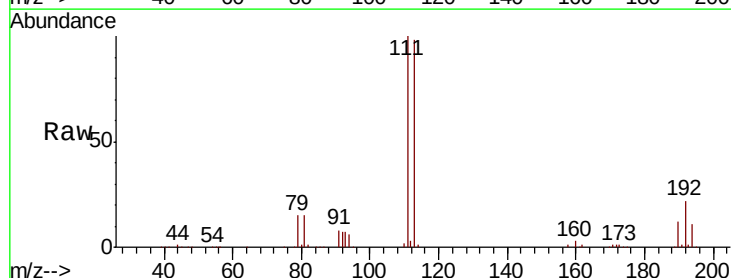


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

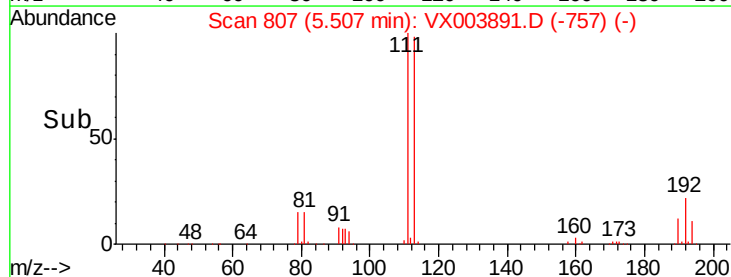
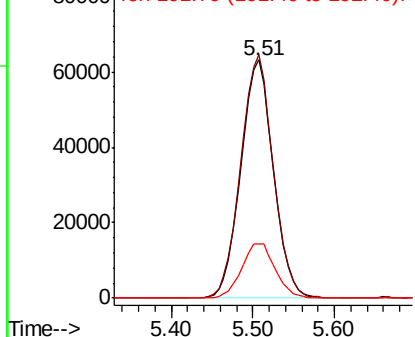


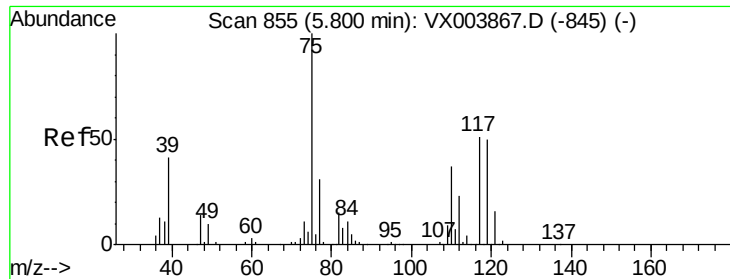
#35
Dibromofluoromethane
Concen: 48.23 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.01 min
Lab File: VX003891.D
Acq: 07 Aug 2018 20:06

Tgt Ion:113 Resp: 174984
Ion Ratio Lower Upper
113 100
111 102.1 82.0 123.0
192 23.6 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

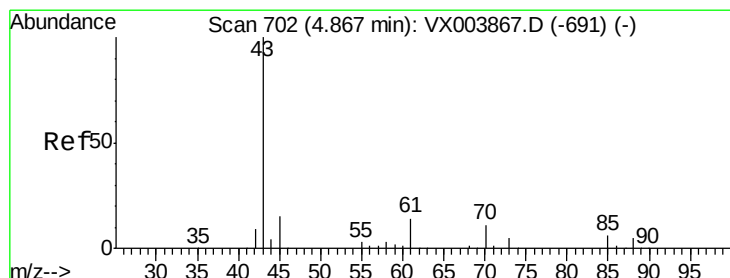
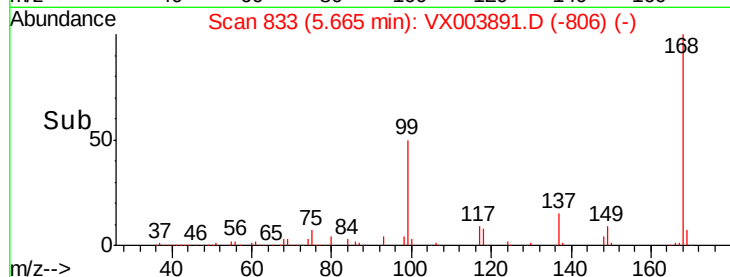
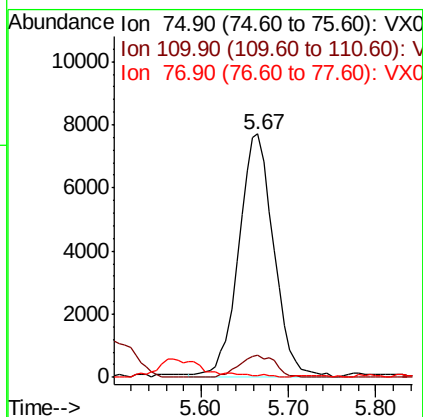
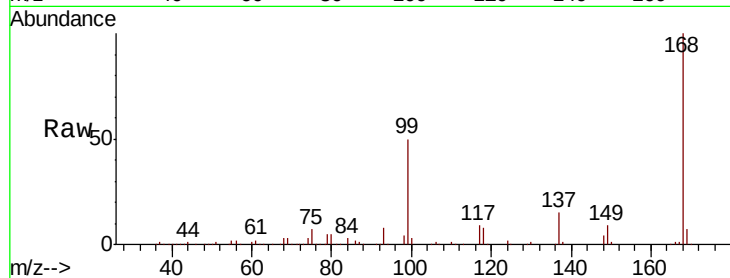




#36
 1,1-Dichloropropene
 Concen: 4.01 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003891.D
 Acq: 07 Aug 2018 20:06

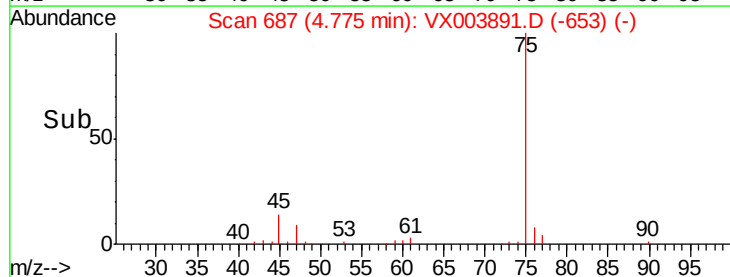
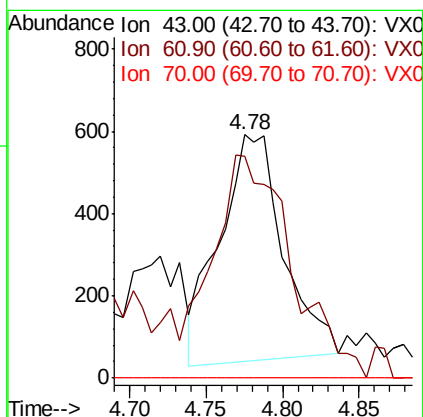
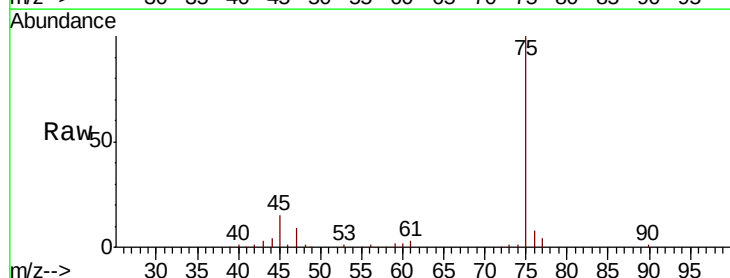
Instrument :
 MSVOA_X
 ClientSampleID :
 FL-0531DL

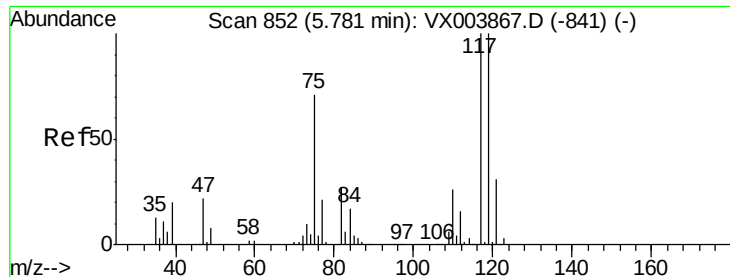
Tot Ion	75	Resp	21499
Ion Ratio	100	Lower	Upper
110	9.3	18.2	54.6#
77	0.0	25.0	37.4#



#37
 Ethyl Acetate
 Concen: 0.27 ug/l
 RT: 4.78 min Scan# 687
 Delta R.T. -0.09 min
 Lab File: VX003891.D
 Acq: 07 Aug 2018 20:06

Tgt Ion	43	Resp	1605
Ion Ratio	100	Lower	Upper
61	121.4	11.5	17.3#
70	0.0	9.0	13.4#

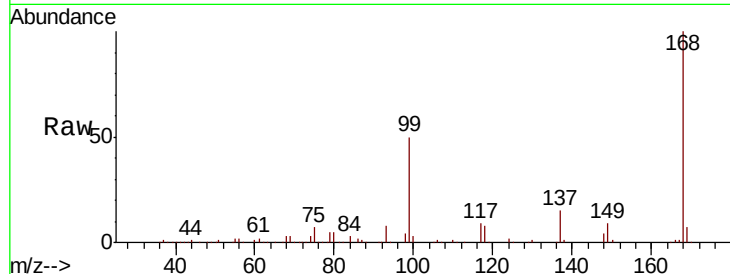




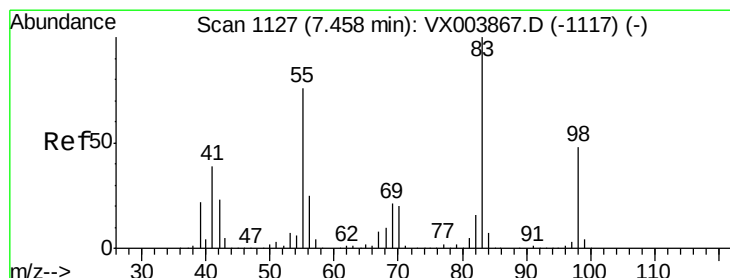
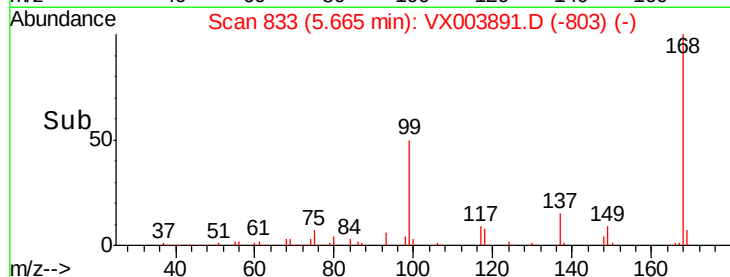
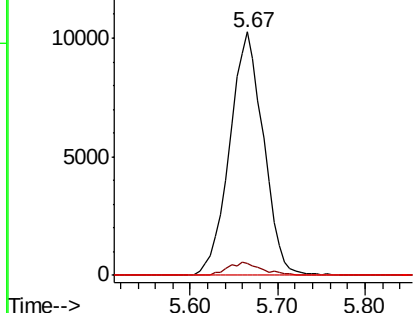
#38
Carbon Tetrachloride
Concen: 5.39 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX003891.D
Acq: 07 Aug 2018 20:06

Instrument :
MSVOA_X
ClientSampled :
FL-0531DL

Tot Ion:117 Resp: 27500
Ion Ratio Lower Upper
117 100
119 4.9 79.5 119.3#
121 0.0 25.0 37.4#

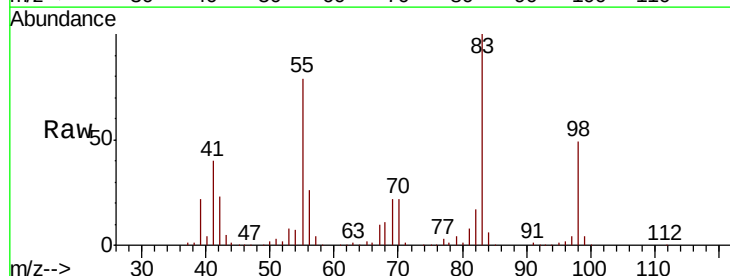


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

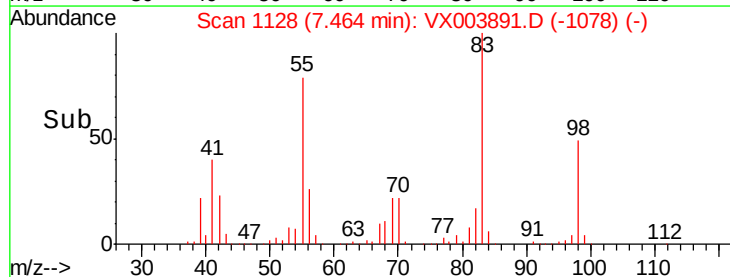
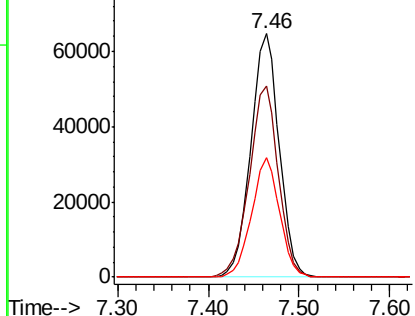


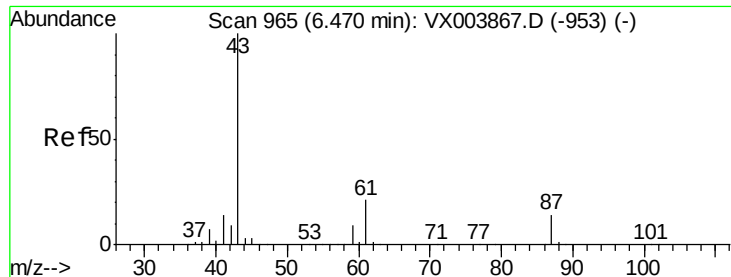
#39
Methylcyclohexane
Concen: 22.06 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX003891.D
Acq: 07 Aug 2018 20:06

Tgt Ion: 83 Resp: 139503
Ion Ratio Lower Upper
83 100
55 78.7 61.0 91.6
98 49.2 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





#43

Isopropyl Acetate

Concen: 0.24 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX003891.D

Acq: 07 Aug 2018 20:06

Instrument :

MSVOA_X

ClientSampleID :

FL-0531DL

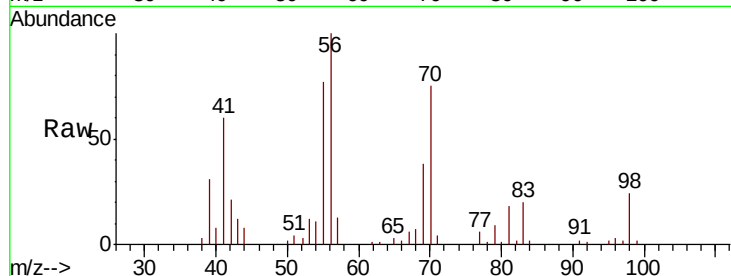
Tot Ion: 43 Resp: 2097

Ion Ratio Lower Upper

43 100

61 0.0 16.9 25.3#

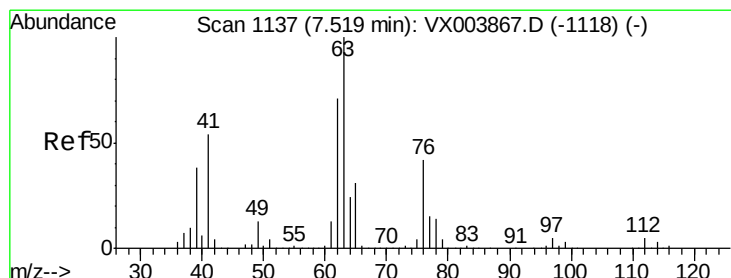
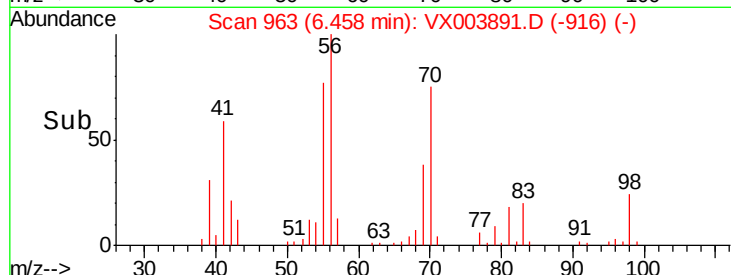
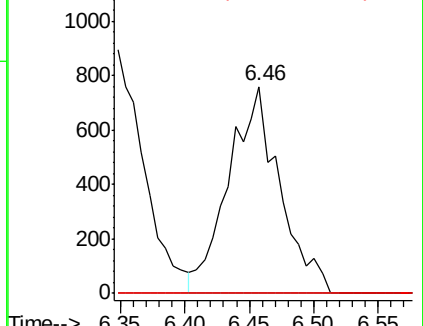
87 0.0 11.3 16.9#



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: 0.40 ug/l

RT: 7.46 min Scan# 1127

Delta R.T. -0.06 min

Lab File: VX003891.D

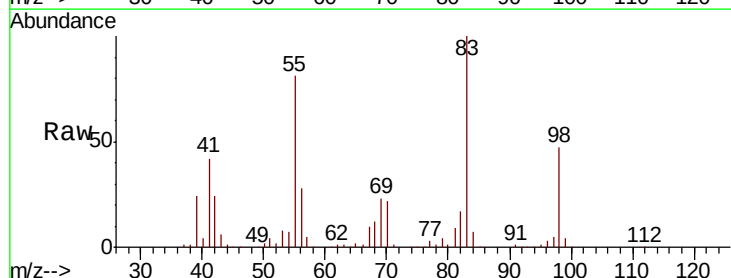
Acq: 07 Aug 2018 20:06

Tgt Ion: 63 Resp: 1679

Ion Ratio Lower Upper

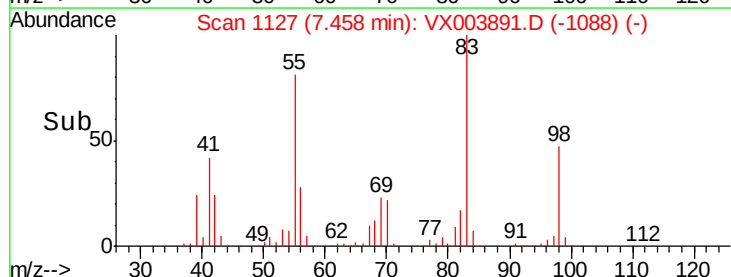
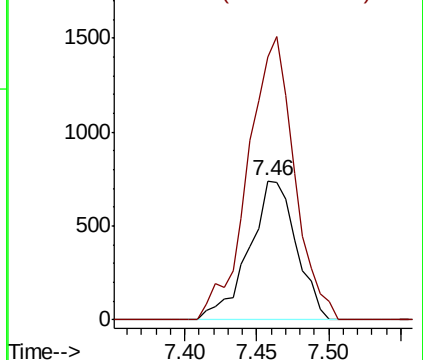
63 100

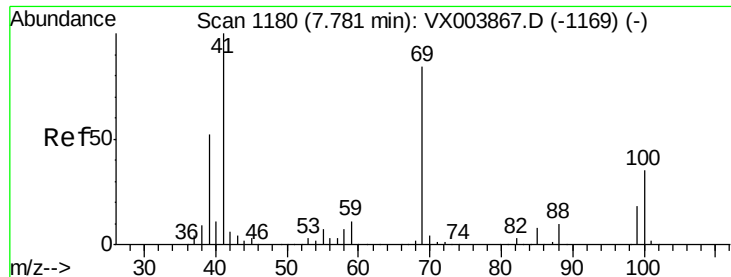
65 189.2 24.6 36.8#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0





#48

Methvl methacrylate

Concen: 1.43 ug/l

RT: 7.73 min Scan# 1172

Delta R.T. -0.05 min

Lab File: VX003891.D

Acq: 07 Aug 2018 20:06

Instrument :

MSVOA_X

ClientSampleId :

FL-0531DL

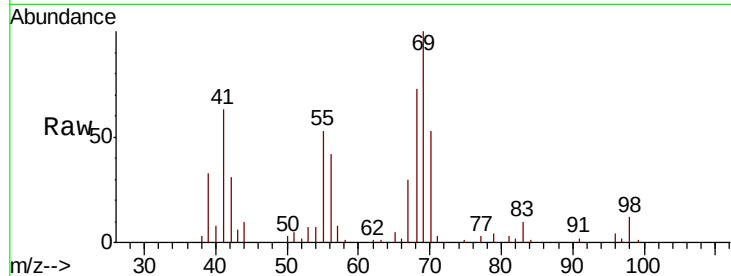
Tot Ion: 41 Resp: 6453

Ion Ratio Lower Upper

41 100

69 162.0 68.8 103.2#

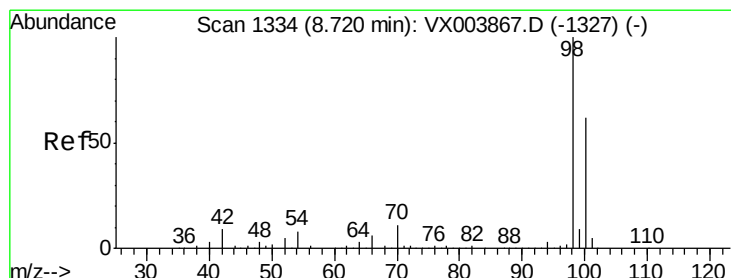
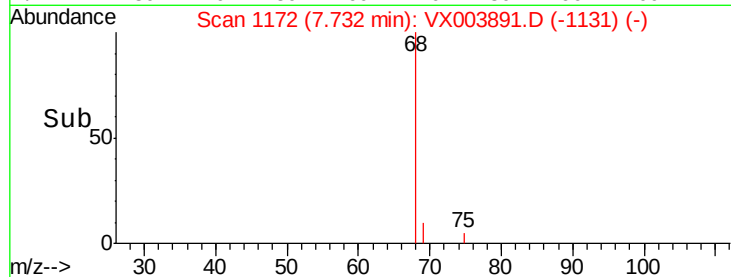
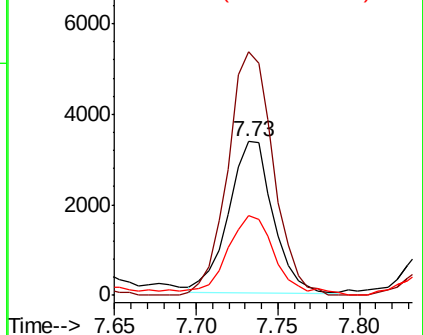
39 56.6 42.3 63.5



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



#50

Toluene-d8

Concen: 48.61 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX003891.D

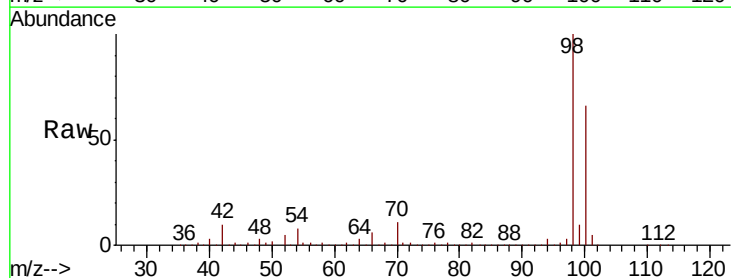
Acq: 07 Aug 2018 20:06

Tgt Ion: 98 Resp: 685772

Ion Ratio Lower Upper

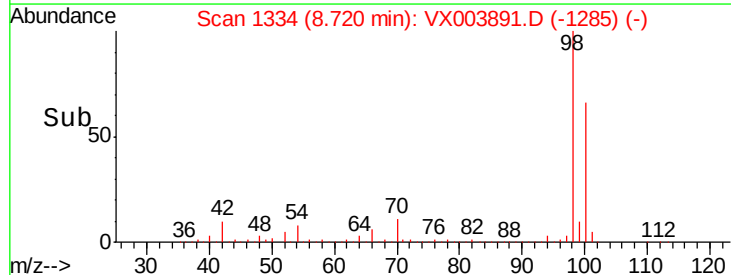
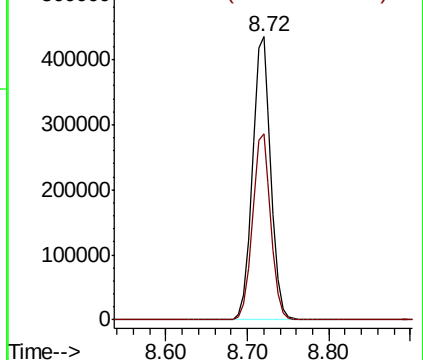
98 100

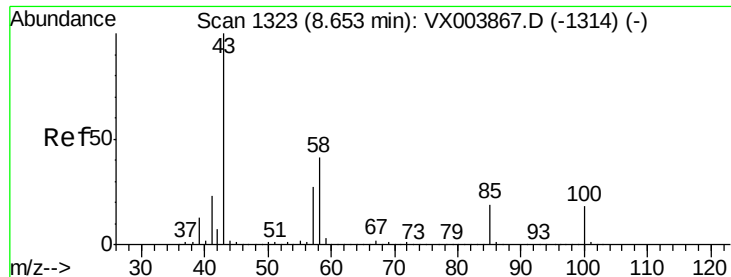
100 65.5 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.24 ug/l

RT: 8.67 min Scan# 1326

Delta R.T. 0.02 min

Lab File: VX003891.D

Acq: 07 Aug 2018 20:06

Instrument :

MSVOA_X

ClientSampleId :

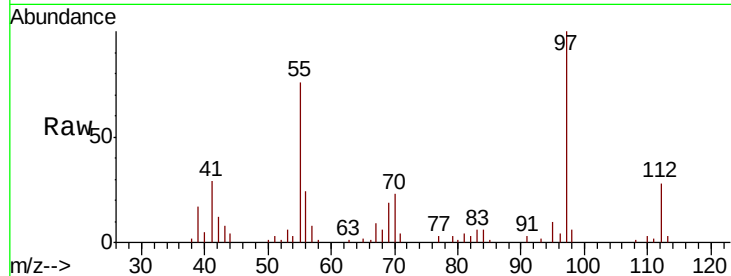
FL-0531DL

Tot Ion: 43 Resp: 1797

Ion Ratio Lower Upper

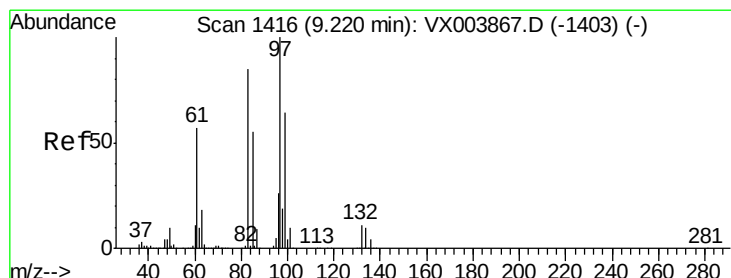
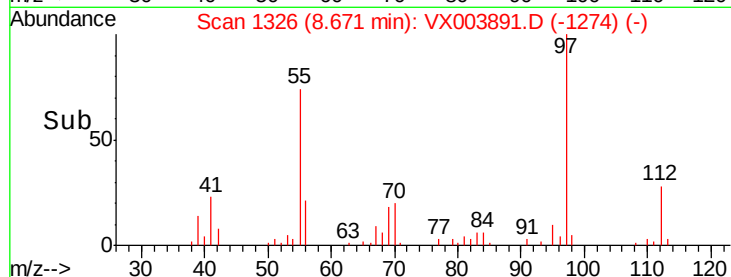
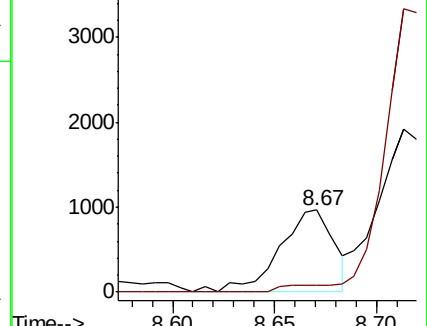
43 100

58 0.0 33.0 49.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#55

1,1,2-Trichloroethane

Concen: 2.28 ug/l

RT: 9.16 min Scan# 1407

Delta R.T. -0.05 min

Lab File: VX003891.D

Acq: 07 Aug 2018 20:06

Tgt Ion: 97 Resp: 9498

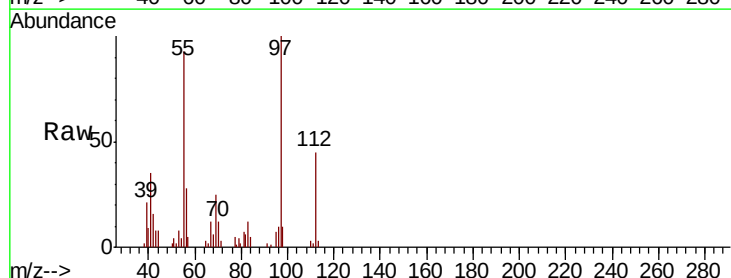
Ion Ratio Lower Upper

97 100

83 12.4 67.8 101.6#

85 0.0 44.2 66.2#

99 0.0 50.8 76.2#

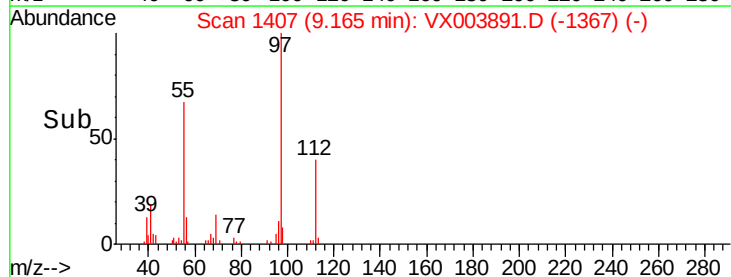
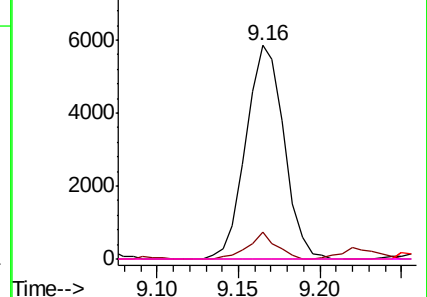


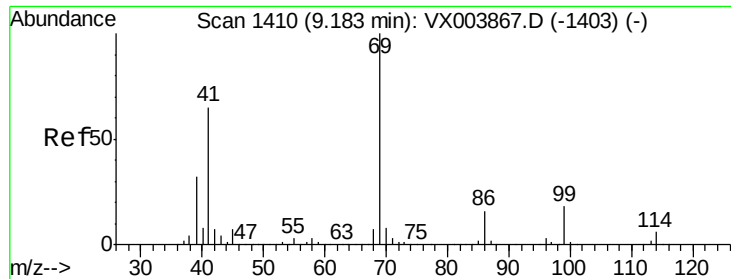
Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 0.38 ug/l

RT: 9.16 min Scan# 1407

Delta R.T. -0.02 min

Lab File: VX003891.D

Acq: 07 Aug 2018 20:06

Instrument :

MSVOA_X

ClientSampleID :

FL-0531DL

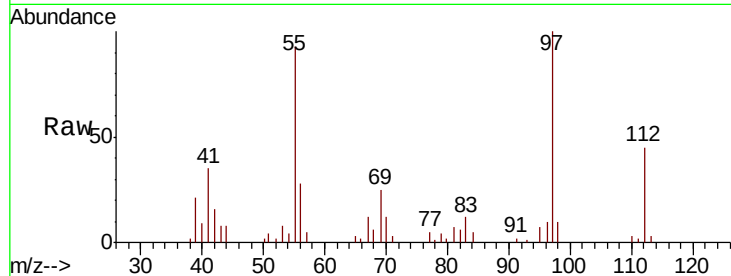
Tot Ion: 69 Resp: 2292

Ion Ratio Lower Upper

69 100

41 145.9 50.6 76.0#

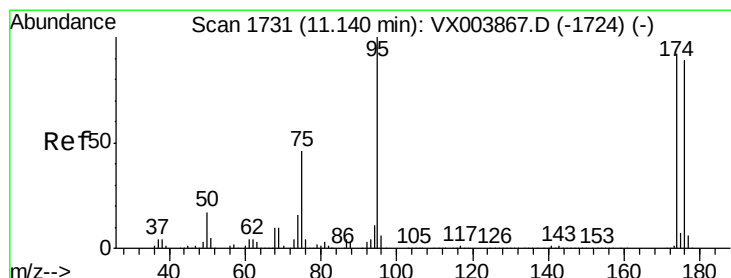
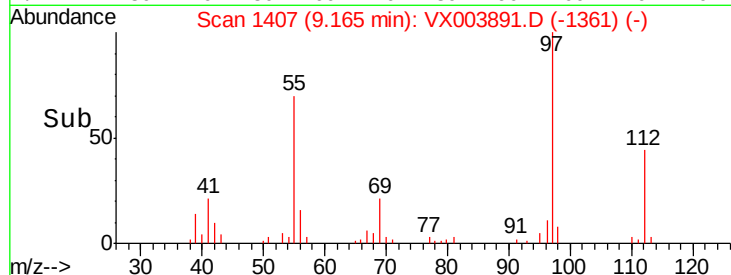
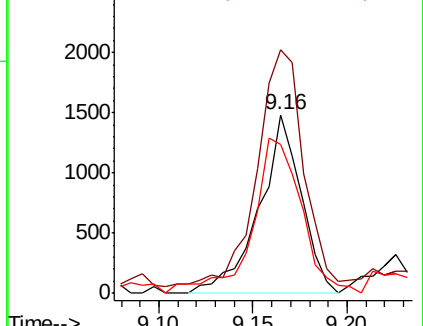
39 101.1 25.8 38.6#



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



#62

4-Bromofluorobenzene

Concen: 54.25 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003891.D

Acq: 07 Aug 2018 20:06

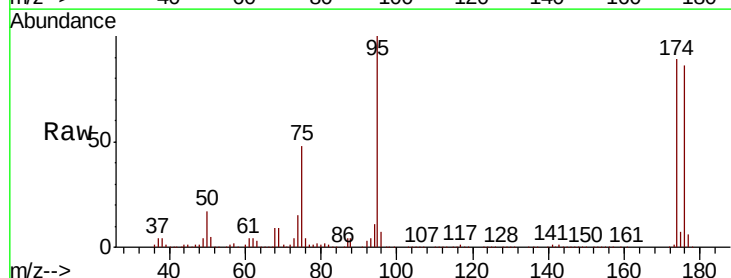
Tgt Ion: 95 Resp: 247676

Ion Ratio Lower Upper

95 100

174 90.6 0.0 182.8

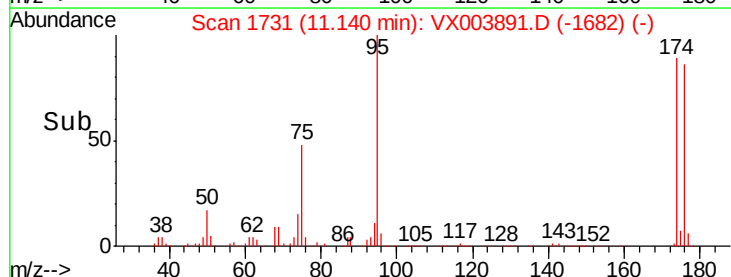
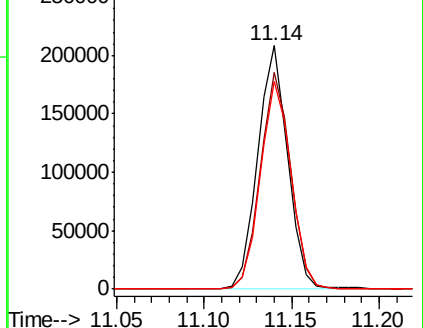
176 87.7 0.0 179.0

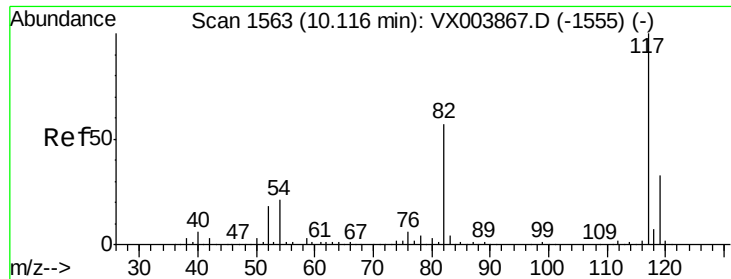


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

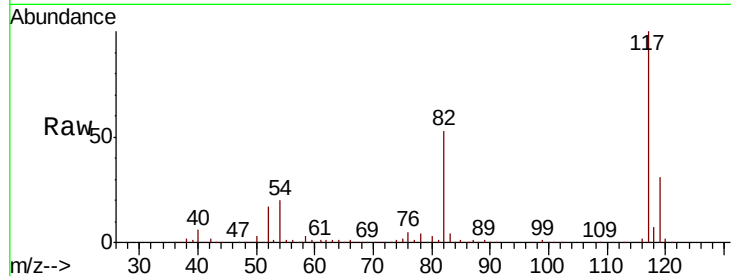




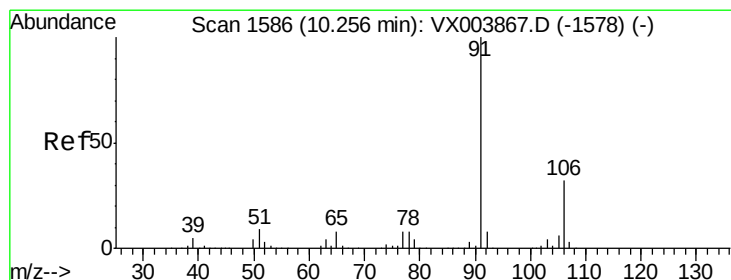
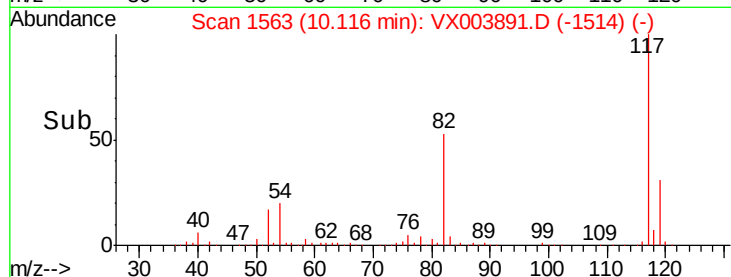
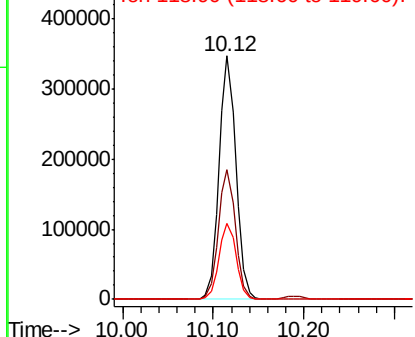
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003891.D
Acq: 07 Aug 2018 20:06

Instrument :
MSVOA_X
ClientSampled :
FL-0531DL

Tot Ion:117 Resp: 452535
Ion Ratio Lower Upper
117 100
82 53.2 45.4 68.0
119 31.1 26.6 40.0

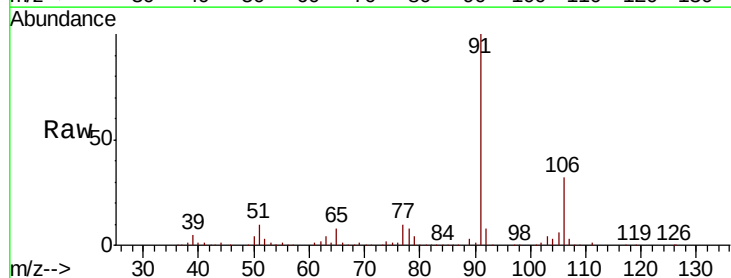


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

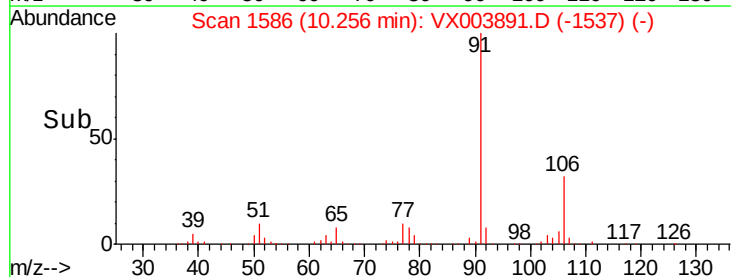
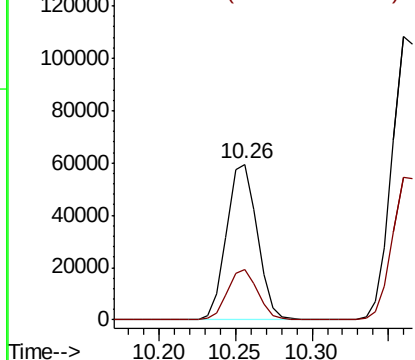


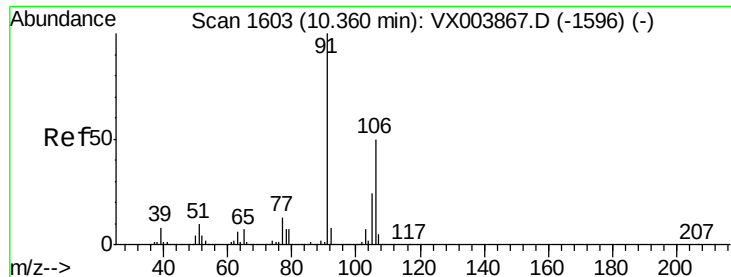
#67
Ethyl Benzene
Concen: 4.30 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003891.D
Acq: 07 Aug 2018 20:06

Tgt Ion: 91 Resp: 82837
Ion Ratio Lower Upper
91 100
106 32.4 25.9 38.9



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

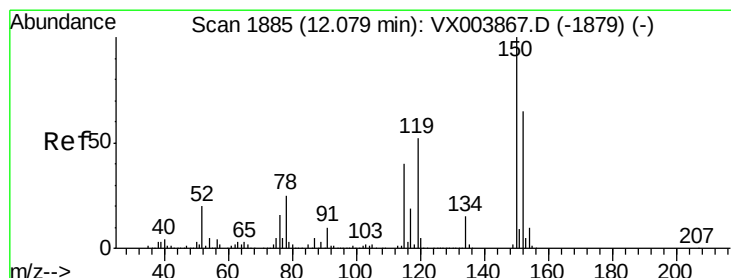
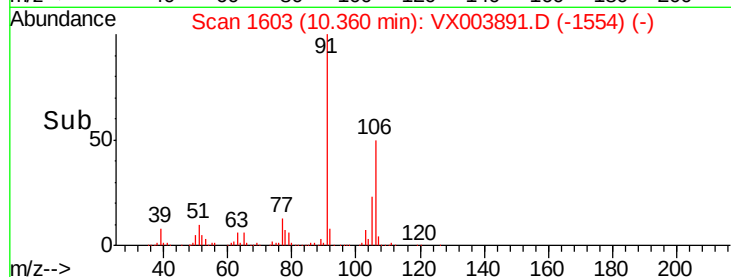
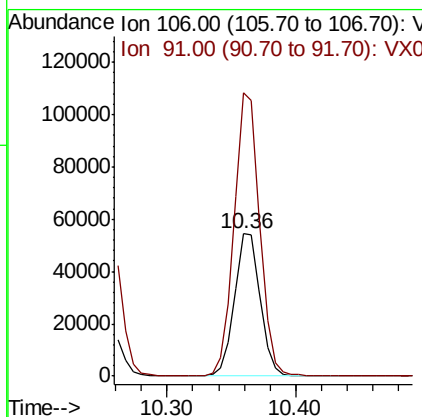
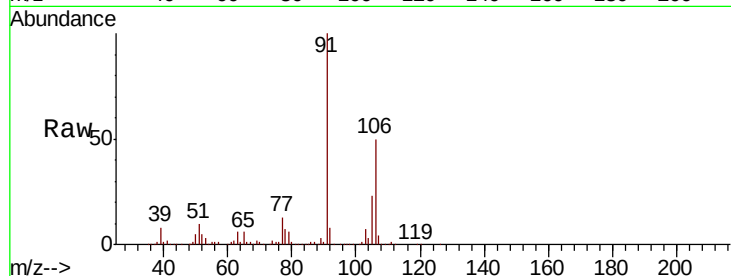




#68
m/p-Xvlenes
Concen: 10.08 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003891.D
Acq: 07 Aug 2018 20:06

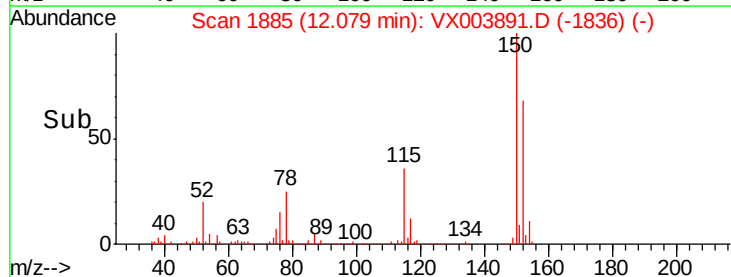
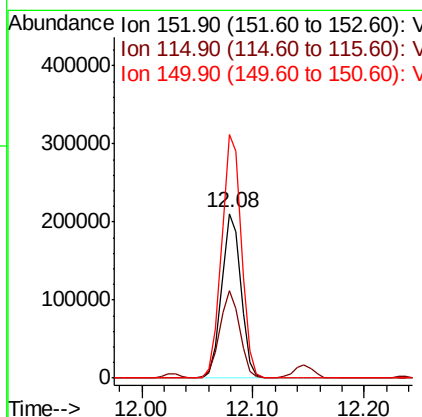
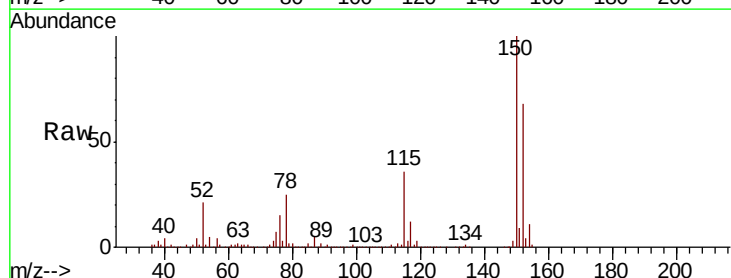
Instrument :
MSVOA_X
ClientSampled :
FL-0531DL

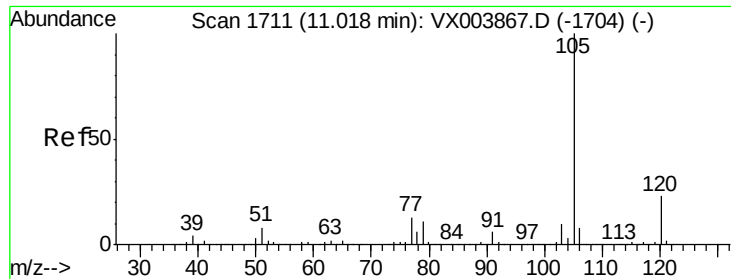
Tot Ion:106 Resp: 75916
Ion Ratio Lower Upper
106 100
91 196.9 162.3 243.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX003891.D
Acq: 07 Aug 2018 20:06

Tgt Ion:152 Resp: 251727
Ion Ratio Lower Upper
152 100
115 54.8 39.1 117.3
150 151.8 0.0 349.2





#73

Isopropylbenzene

Concen: 6.28 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX003891.D

Acq: 07 Aug 2018 20:06

Instrument :

MSVOA_X

ClientSampleId :

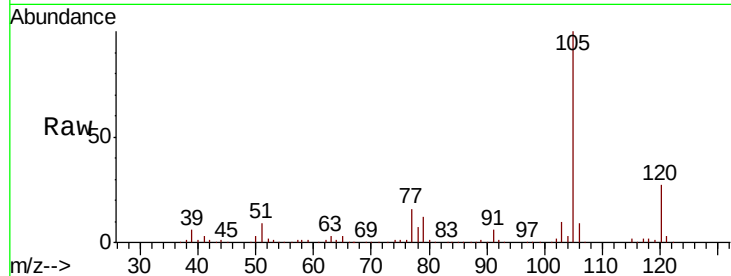
FL-0531DL

Tot Ion:105 Resp: 116901

Ion Ratio Lower Upper

105 100

120 27.1 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

80000

60000

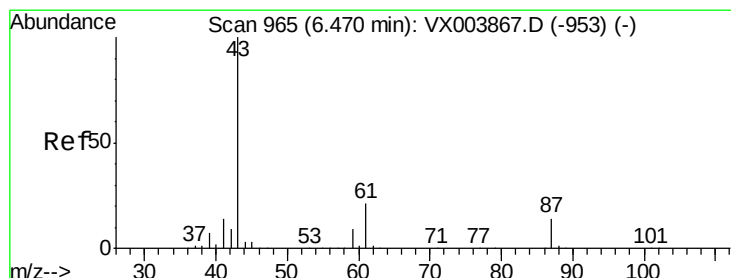
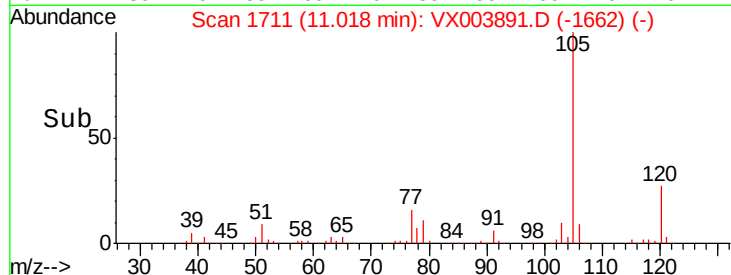
40000

20000

0

Time-->

11.00 11.10



#74

N-ethyl acetate

Concen: 0.22 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX003891.D

Acq: 07 Aug 2018 20:06

Tgt Ion: 43 Resp: 2097

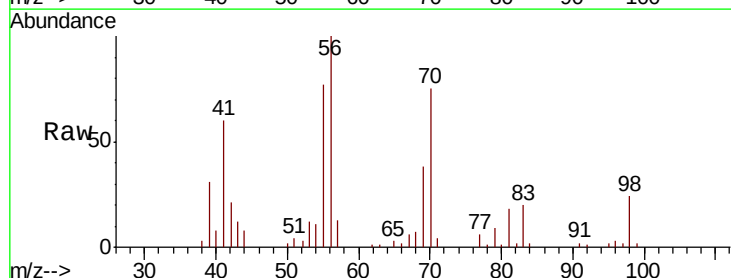
Ion Ratio Lower Upper

43 100

70 693.9 0.0 0.0#

55 710.4 0.1 0.1#

61 0.0 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

8000

6000

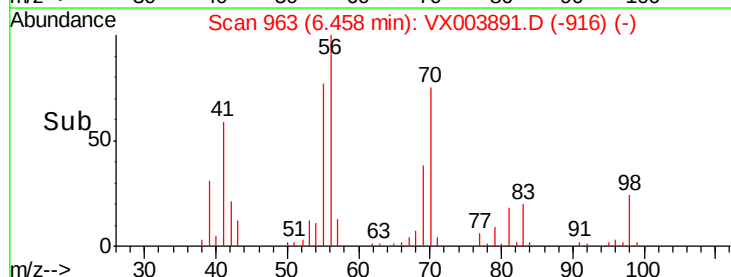
4000

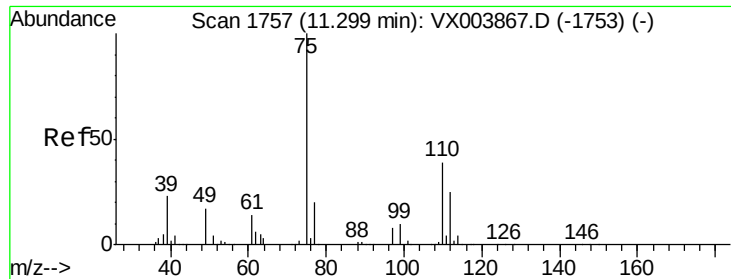
2000

0

Time-->

6.35 6.40 6.45 6.50 6.55





#76

1,2,3-Trichloropropane

Concen: 1.50 ug/l

RT: 11.44 min Scan# 1780

Delta R.T. 0.14 min

Lab File: VX003891.D

Acq: 07 Aug 2018 20:06

Instrument :

MSVOA_X

ClientSampleId :

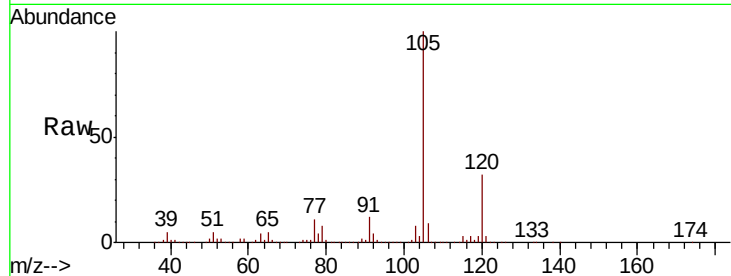
FL-0531DL

Tot Ion: 75 Resp: 8353

Ion Ratio Lower Upper

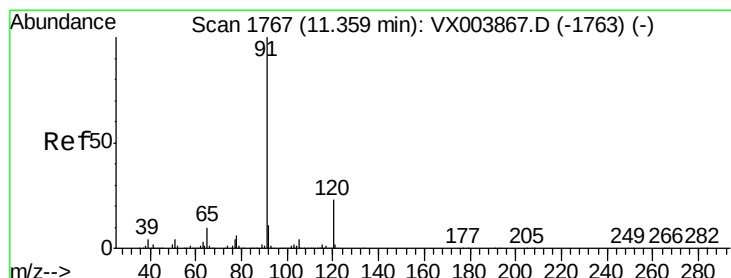
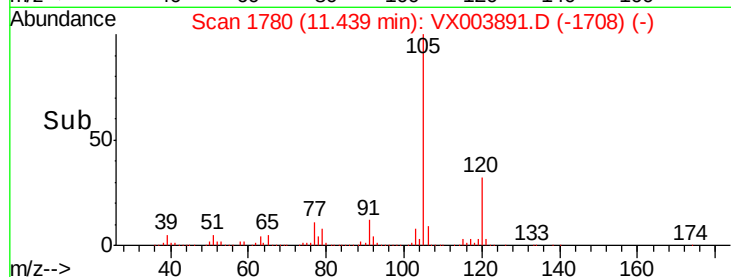
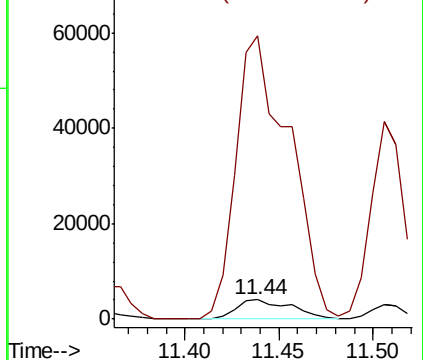
75 100

77 1386.4 20.8 62.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#78

n-propylbenzene

Concen: 10.92 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX003891.D

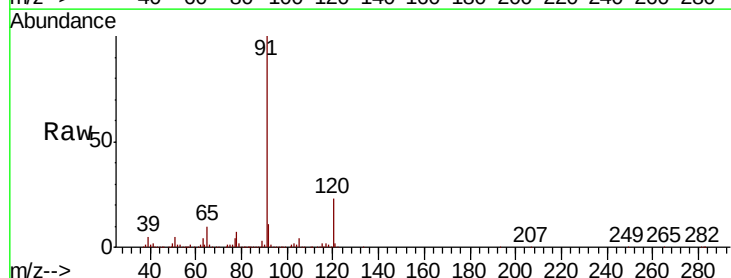
Acq: 07 Aug 2018 20:06

Tgt Ion: 91 Resp: 228360

Ion Ratio Lower Upper

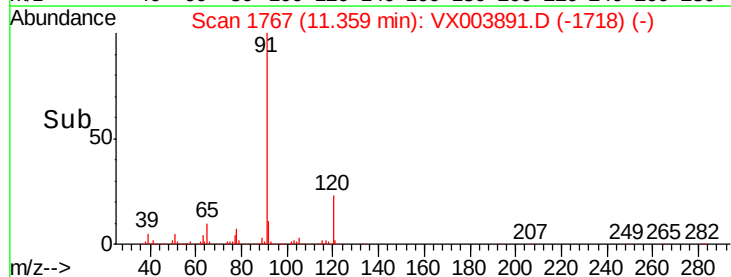
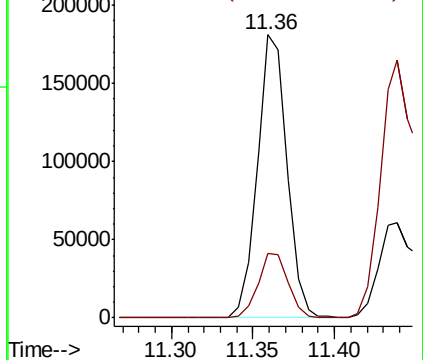
91 100

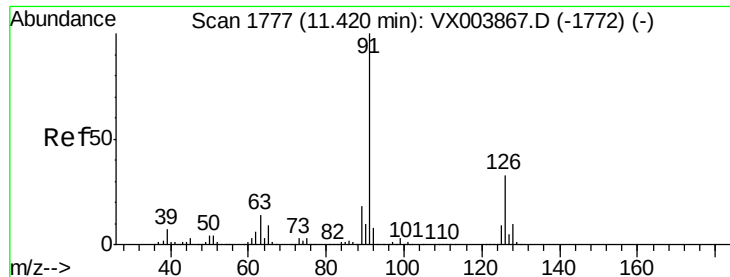
120 23.2 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

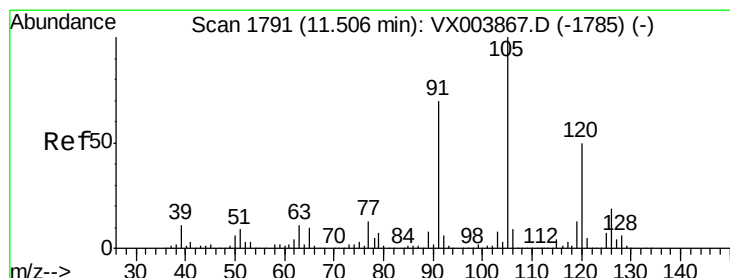
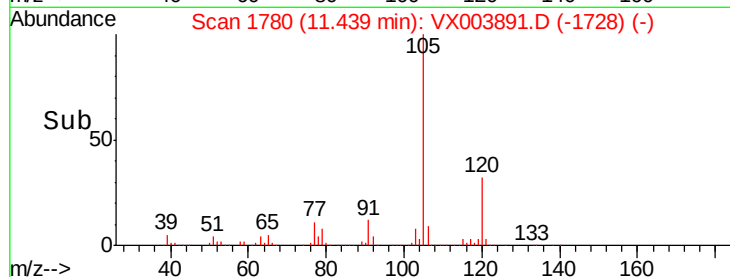
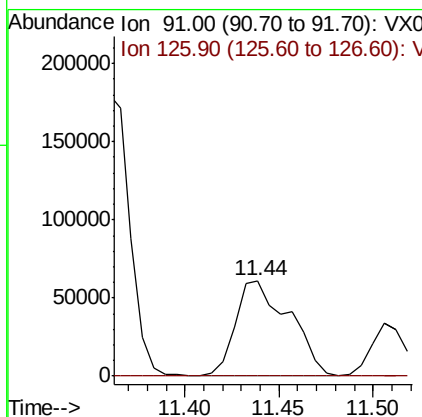
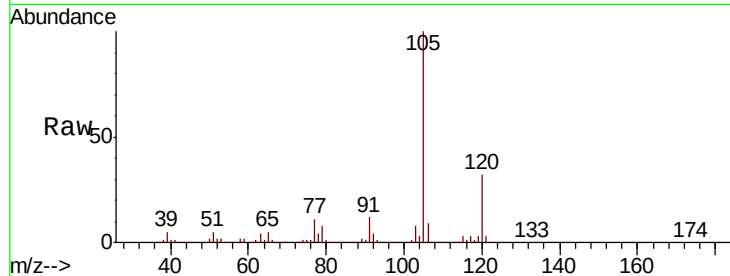




#79
 2-Chlorotoluene
 Concen: 9.46 ug/l
 RT: 11.44 min Scan# 1780
 Delta R.T. 0.02 min
 Lab File: VX003891.D
 Acq: 07 Aug 2018 20:06

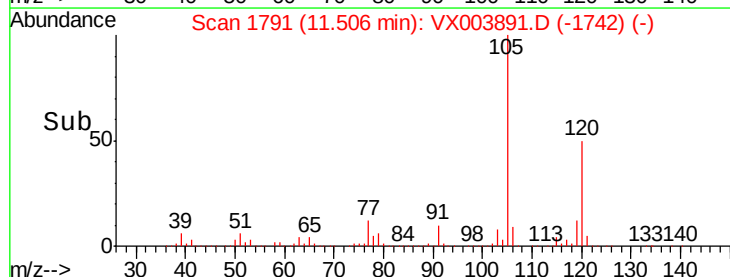
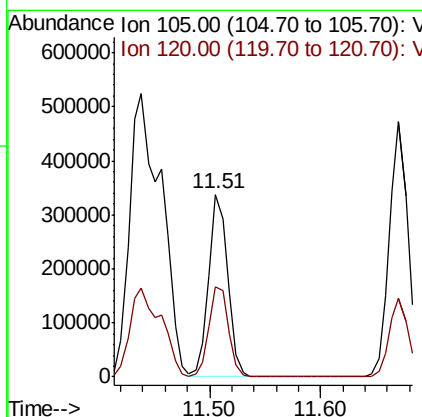
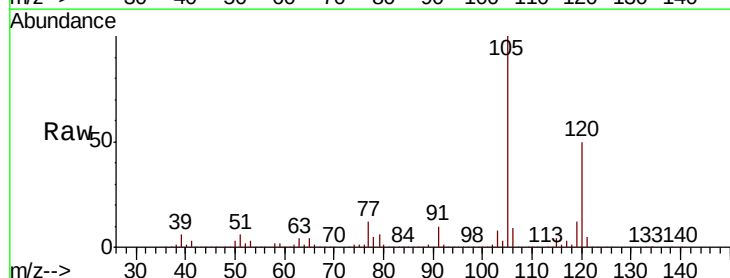
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0531DL

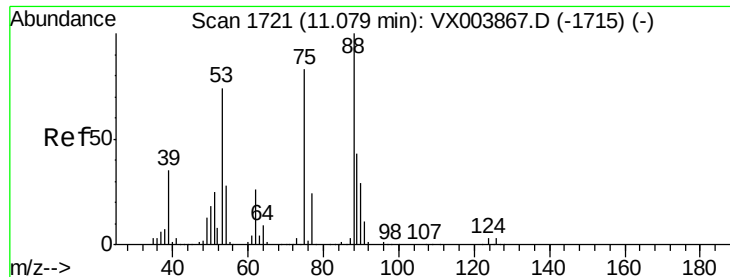
Tot Ion: 91 Resp: 120547
 Ion Ratio Lower Upper
 91 100
 126 0.2 17.4 52.3#



#80
 1,3,5-Trimethylbenzene
 Concen: 26.54 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX003891.D
 Acq: 07 Aug 2018 20:06

Tgt Ion:105 Resp: 403064
 Ion Ratio Lower Upper
 105 100
 120 50.7 25.4 76.2





#81

trans-1,4-Dichloro-2-butene

Concen: 58.63 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003891.D

Acq: 07 Aug 2018 20:06

Instrument :

MSVOA_X

ClientSampleID :

FL-0531DL

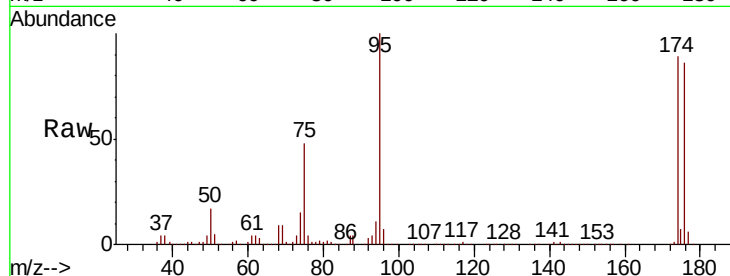
Tot Ion: 75 Resp: 120655

Ion Ratio Lower Upper

75 100

53 0.1 80.3 120.5#

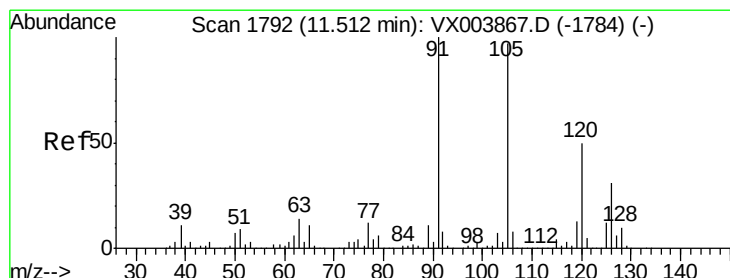
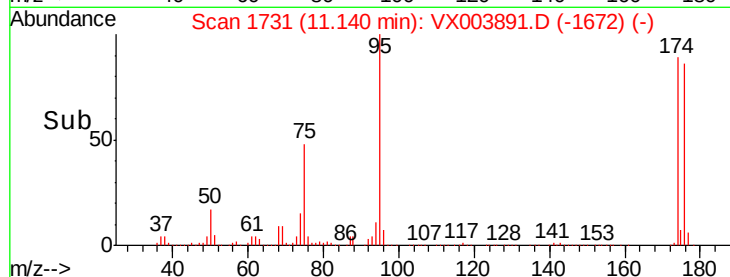
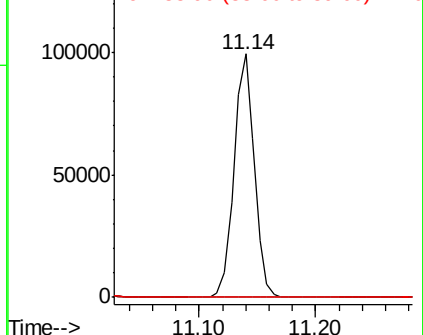
89 0.0 37.8 56.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 2.79 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX003891.D

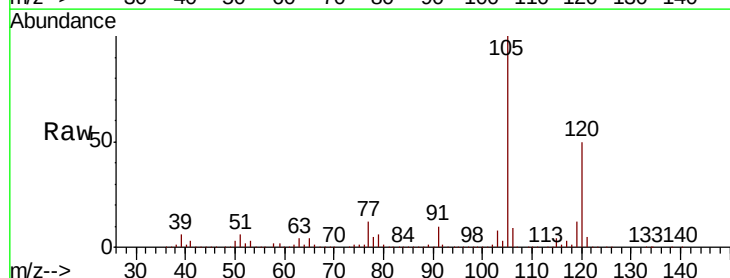
Acq: 07 Aug 2018 20:06

Tgt Ion: 91 Resp: 41737

Ion Ratio Lower Upper

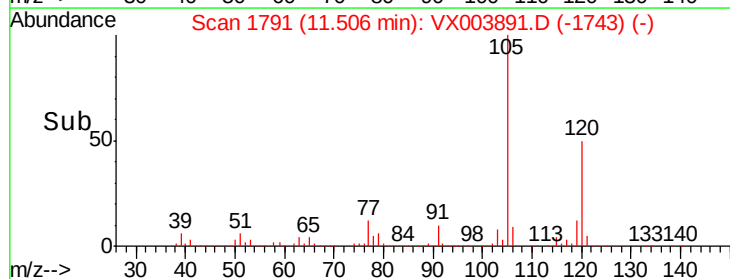
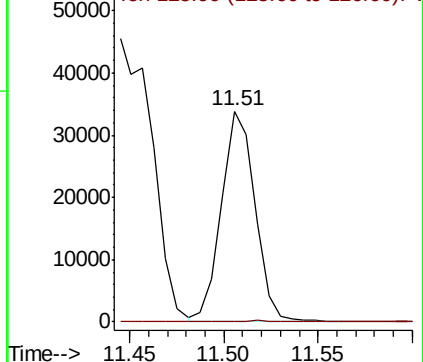
91 100

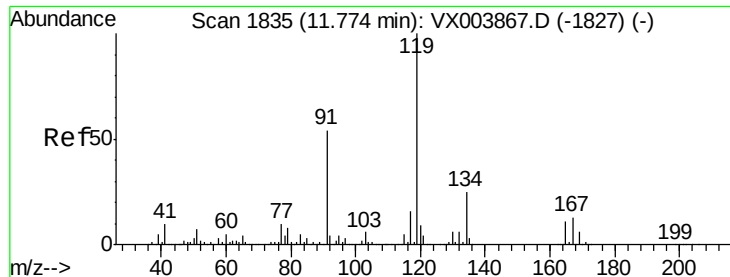
126 0.5 15.6 46.7#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

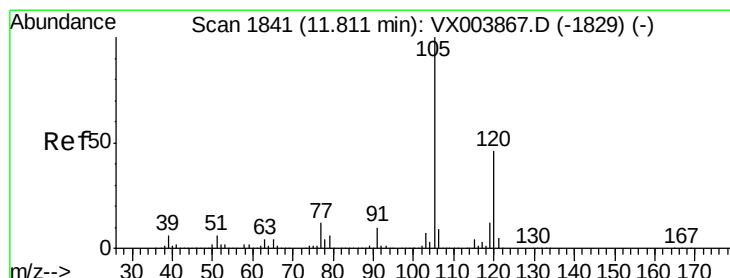
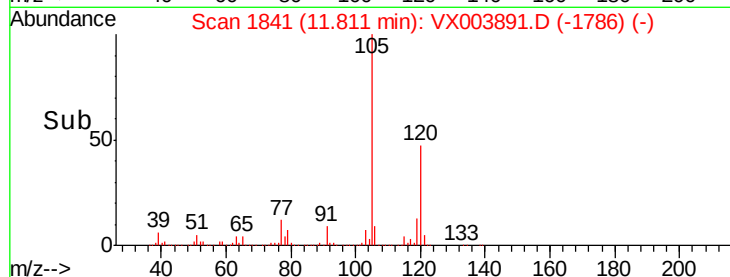
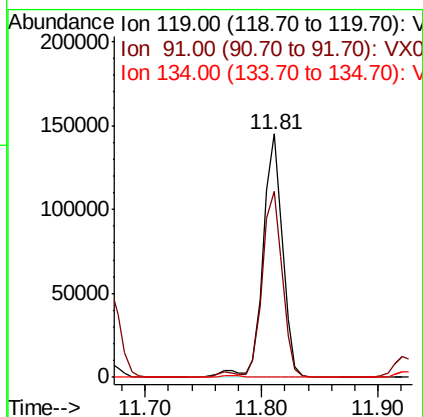
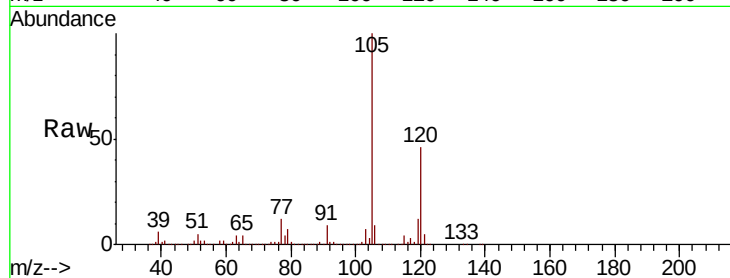




#83
 tert-Butylbenzene
 Concen: 11.45 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.04 min
 Lab File: VX003891.D
 Acq: 07 Aug 2018 20:06

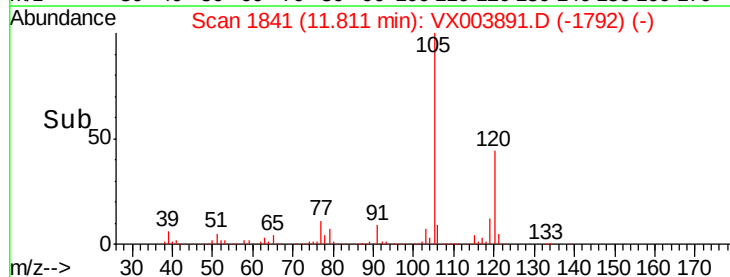
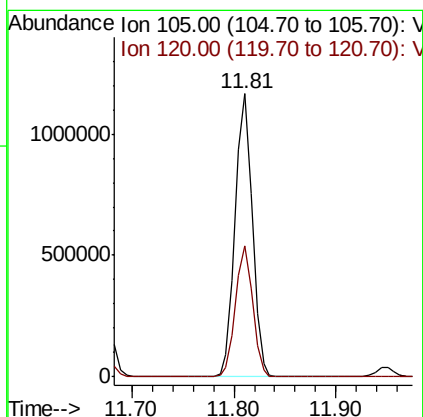
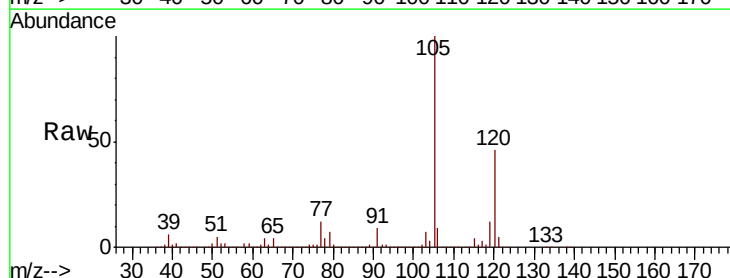
Instrument :
 MSVOA_X
 ClientSampleID :
 FL-0531DL

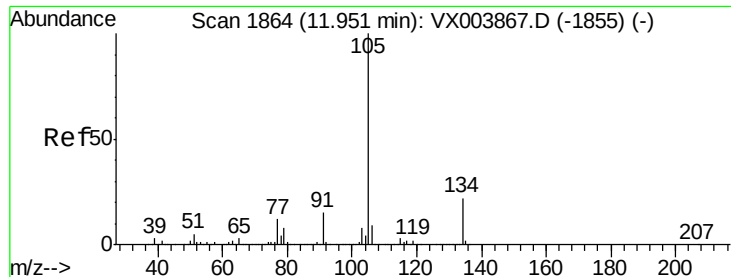
Tot Ion:119 Resp: 171072
 Ion Ratio Lower Upper
 119 100
 91 77.1 26.9 80.7
 134 0.0 12.0 36.0#



#84
 1,2,4-Trimethylbenzene
 Concen: 88.27 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003891.D
 Acq: 07 Aug 2018 20:06

Tgt Ion:105 Resp: 1347705
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.1 69.2





#85

sec-Butylbenzene

Concen: 2.84 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.01 min

Lab File: VX003891.D

Acq: 07 Aug 2018 20:06

Instrument :

MSVOA_X

ClientSampleId :

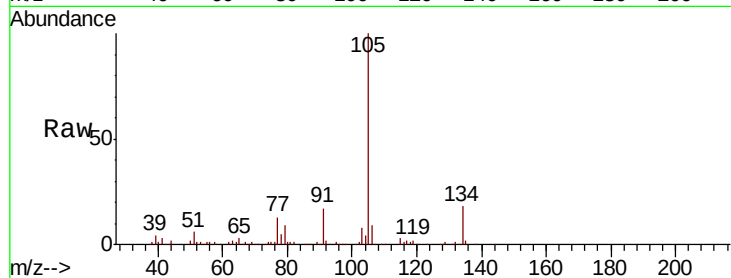
FL-0531DL

Tot Ion:105 Resp: 50022

Ion Ratio Lower Upper

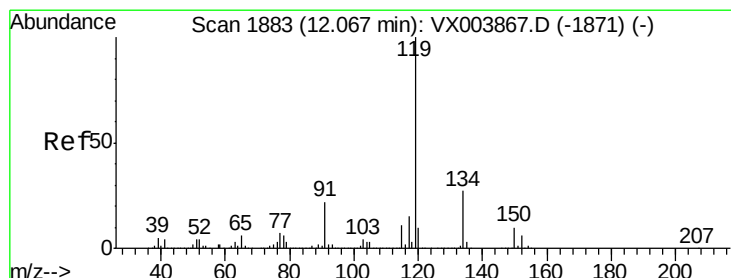
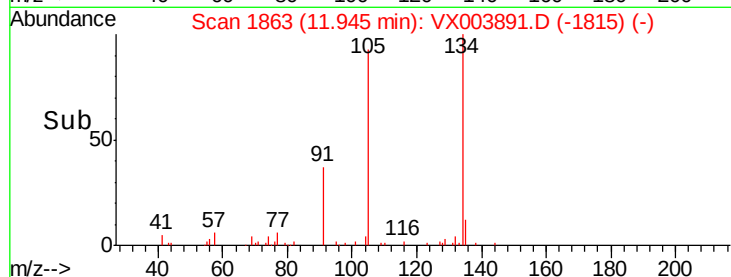
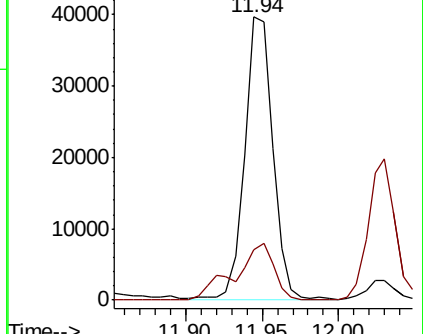
105 100

134 28.6 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 3.17 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003891.D

Acq: 07 Aug 2018 20:06

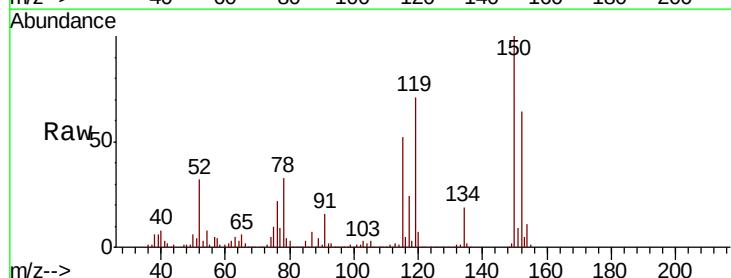
Tgt Ion:119 Resp: 50126

Ion Ratio Lower Upper

119 100

134 28.2 13.3 39.8

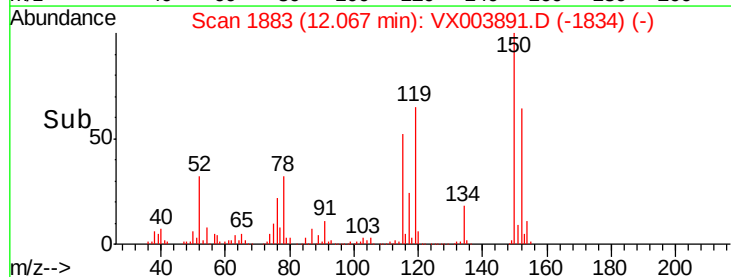
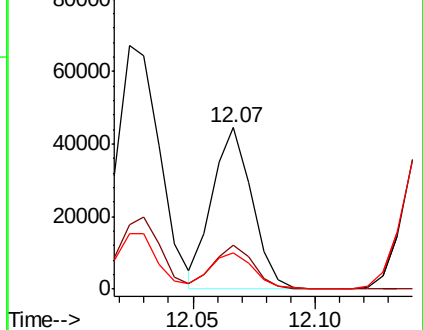
91 24.2 10.9 32.7

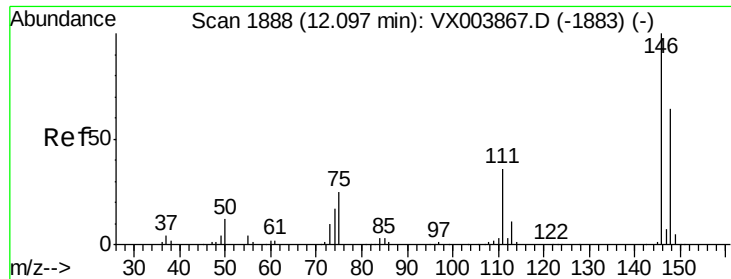


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

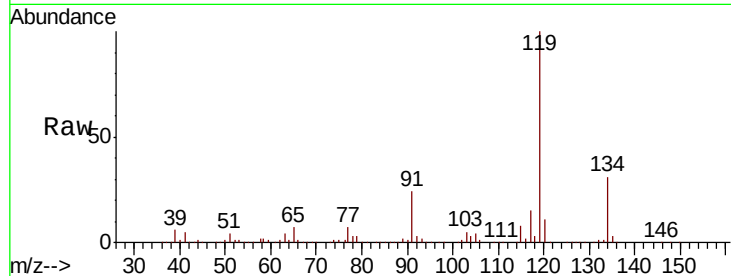




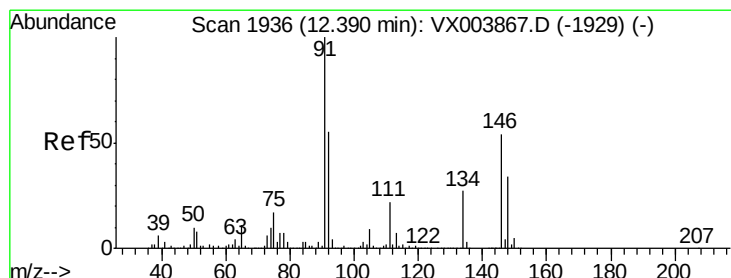
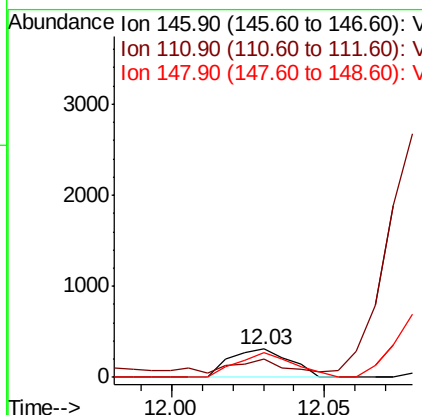
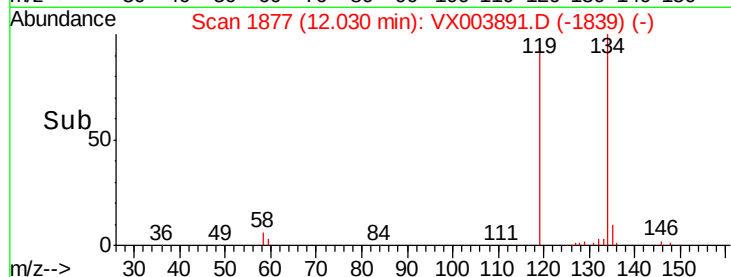
#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.07 min
 Lab File: VX003891.D
 Acq: 07 Aug 2018 20:06

Instrument :
 MSVOA_X
 ClientSampleID :
 FL-0531DL

Tot Ion:146 Resp: 420
 Ion Ratio Lower Upper
 146 100
 111 40.5 18.4 55.0
 148 83.6 32.3 96.8

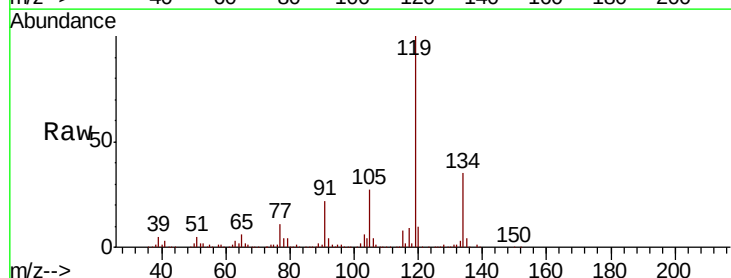


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

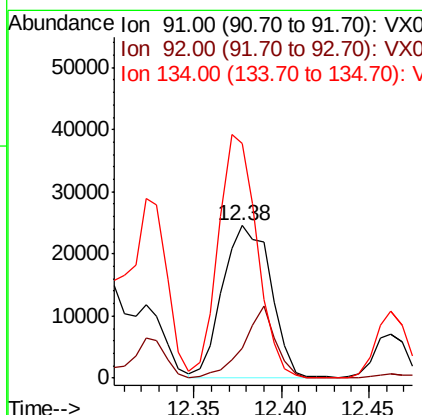
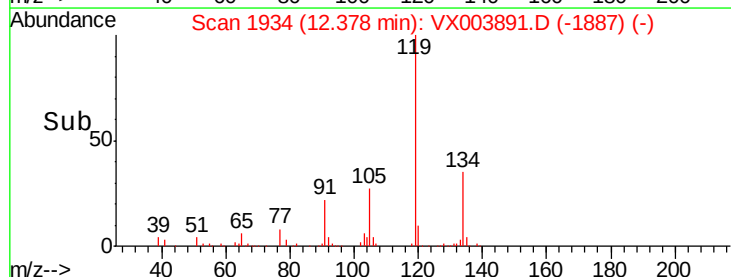


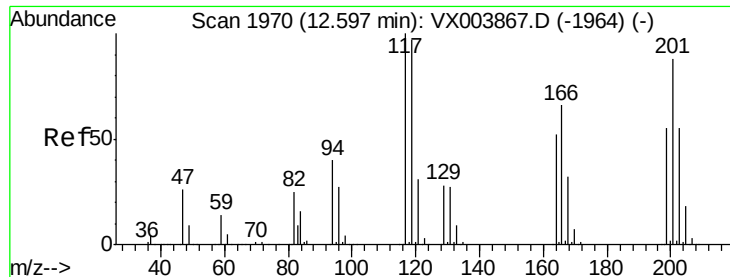
#89
 n-Butylbenzene
 Concen: 3.38 ug/l
 RT: 12.38 min Scan# 1934
 Delta R.T. -0.01 min
 Lab File: VX003891.D
 Acq: 07 Aug 2018 20:06

Tgt Ion: 91 Resp: 46596
 Ion Ratio Lower Upper
 91 100
 92 31.7 27.1 81.3
 134 128.0 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: 4.04 ug/l

RT: 12.59 min Scan# 1969

Delta R.T. -0.01 min

Lab File: VX003891.D

Acq: 07 Aug 2018 20:06

Instrument :

MSVOA_X

ClientSampleId :

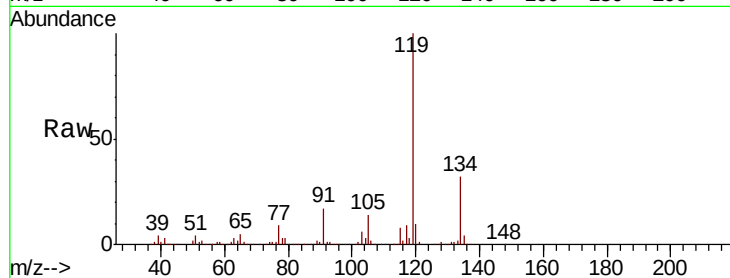
FL-0531DL

Tot Ion:117 Resp: 10368

Ion Ratio Lower Upper

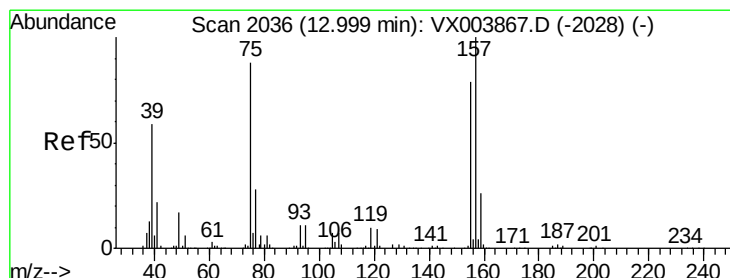
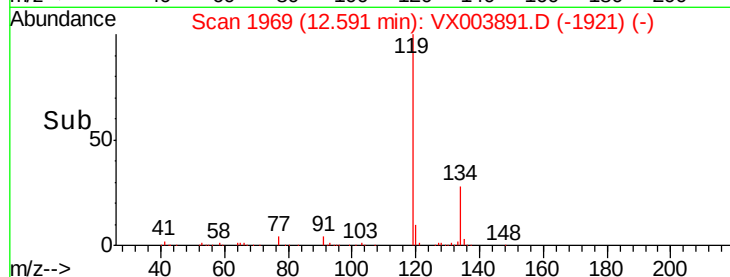
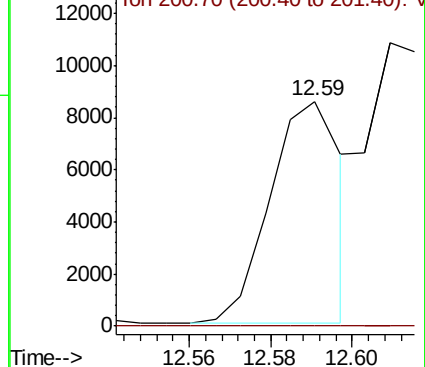
117 100

201 0.0 46.1 138.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.00 ug/l

RT: 13.02 min Scan# 2039

Delta R.T. 0.02 min

Lab File: VX003891.D

Acq: 07 Aug 2018 20:06

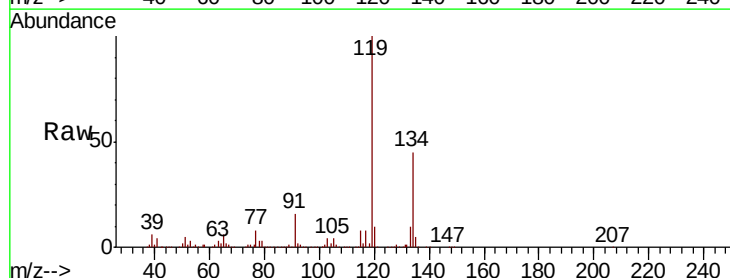
Tgt Ion: 75 Resp: 1313

Ion Ratio Lower Upper

75 100

155 0.0 48.7 146.1#

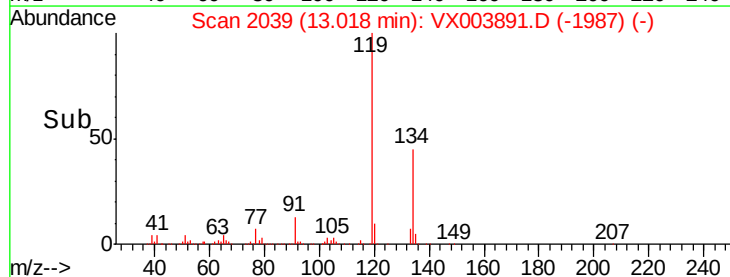
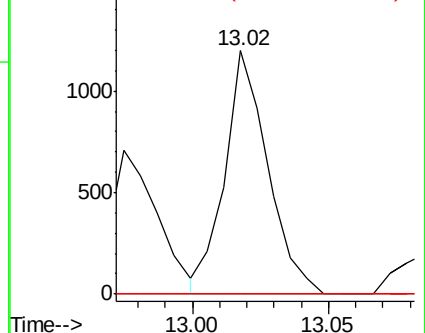
157 0.0 62.6 187.8#

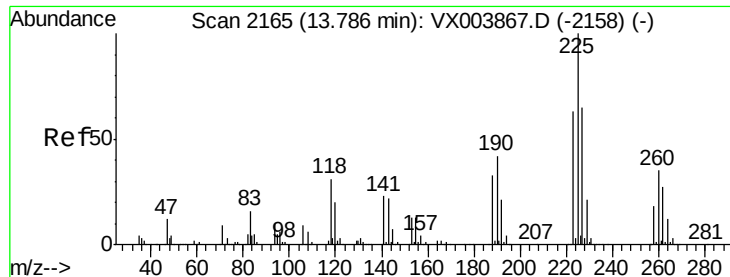


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#94

Hexachlorobutadiene

Concen: 0.55 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX003891.D

Acq: 07 Aug 2018 20:06

Instrument :

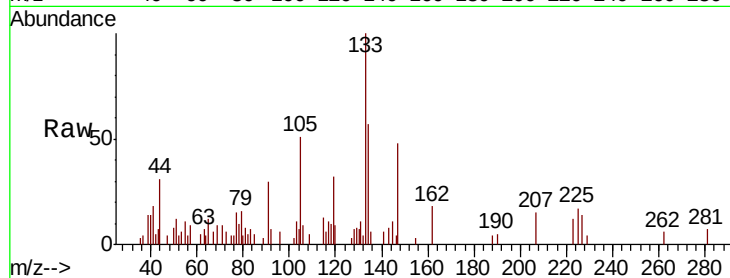
MSVOA_X

ClientSampleId :

FL-0531DL

Tot Ion:225 Resp: 340

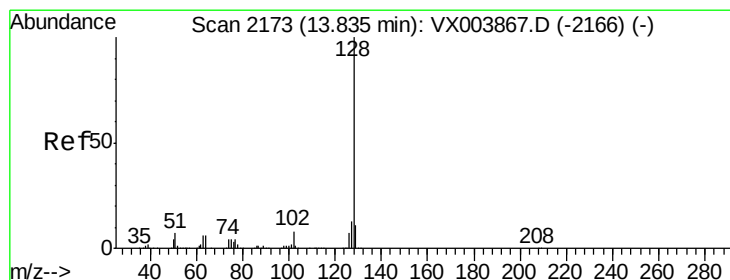
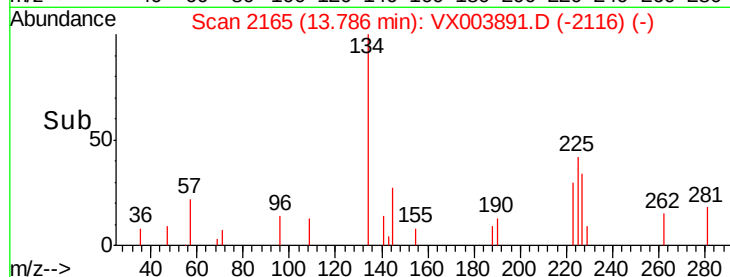
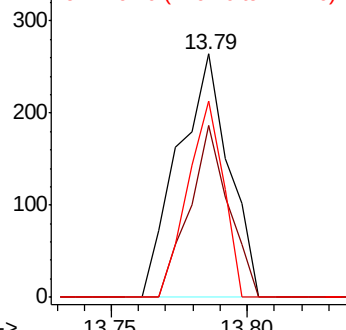
Ion	Ratio	Lower	Upper
225	100		
223	55.0	31.4	94.0
227	57.1	32.1	96.5



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: 7.73 ug/l

RT: 13.83 min Scan# 2173

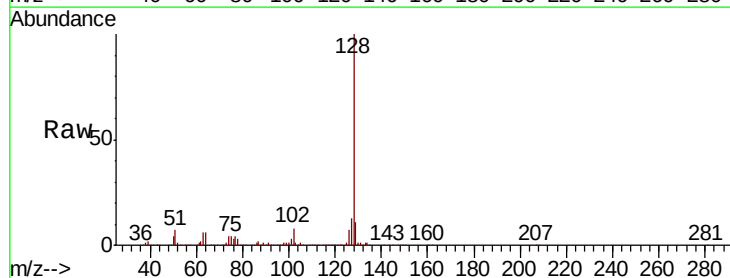
Delta R.T. -0.00 min

Lab File: VX003891.D

Acq: 07 Aug 2018 20:06

Tgt Ion:128 Resp: 145007

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.2
129	11.5	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

