

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080918\
 Data File : VX003943.D
 Acq On : 09 Aug 2018 11:57
 Operator : JC/MD
 Sample : J4387-04DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0554DL

Quant Time: Aug 10 01:00:59 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	361957	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	548633	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	509333	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	288913	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	230776	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	
35) Dibromofluoromethane	5.51	113	200916	48.34	ug/l	0.00
Spiked Amount			Recovery	=	96.68%	
50) Toluene-d8	8.72	98	768188	47.53	ug/l	0.00
Spiked Amount			Recovery	=	95.06%	
62) 4-Bromofluorobenzene	11.14	95	278559	53.26	ug/l	0.00
Spiked Amount			Recovery	=	106.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1018	0.20	ug/l	# 76
5) Bromomethane	1.65	94	1246	Below	Cal	85
6) Chloroethane	1.76	64	6795	2.13	ug/l	# 54
10) Methyl Iodide	2.51	142	1275	0.25	ug/l	# 92
11) Tert butyl alcohol	3.08	59	446	0.39	ug/l	# 73
13) Acrolein	2.30	56	454	Below	Cal	# 15
15) Acrylonitrile	3.16	53	1767	0.64	ug/l	# 58
16) Acetone	2.45	43	2750	0.96	ug/l	94
17) Carbon Disulfide	2.57	76	3204	0.73	ug/l	# 87
18) Methyl Acetate	2.84	43	5058	0.81	ug/l	# 52
20) Methylene Chloride	2.86	84	1569	Below	Cal	# 91
25) 2-Butanone	4.72	43	1024	0.24	ug/l	# 48
29) Tetrahydrofuran	5.18	42	1297	0.59	ug/l	# 77
31) Cyclohexane	5.58	56	62560	9.05	ug/l	98
36) 1,1-Dichloropropene	5.67	75	23714	3.86	ug/l	# 49
38) Carbon Tetrachloride	5.67	117	31554	5.40	ug/l	# 14
39) Methylcyclohexane	7.46	83	55291	7.63	ug/l	99
48) Methyl methacrylate	7.73	41	2608	0.50	ug/l	# 59
52) Toluene	8.79	92	41087	3.52	ug/l	98
67) Ethyl Benzene	10.26	91	436473	20.12	ug/l	98
68) m/p-Xylenes	10.36	106	621373	73.30	ug/l	97
69) o-Xylene	10.70	106	408491	51.05	ug/l	97
70) Styrene	10.70	104	20470	1.56	ug/l	# 1
73) Isopropylbenzene	11.02	105	53163	2.49	ug/l	96
76) 1,2,3-Trichloropropane	11.14	75	134797	21.12	ug/l	# 36
78) n-propylbenzene	11.36	91	64272	2.68	ug/l	97
79) 2-Chlorotoluene	11.43	91	33134	2.26	ug/l	# 42
80) 1,3,5-Trimethylbenzene	11.51	105	95768	5.50	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.14	75	134797	57.13	ug/l	# 9
82) 4-Chlorotoluene	11.51	91	10942	0.64	ug/l	# 53
84) 1,2,4-Trimethylbenzene	11.81	105	287471	16.41	ug/l	98
85) sec-Butylbenzene	11.81	105	287471	14.21	ug/l	# 56
86) p-Isopropyltoluene	12.02	119	8042	0.44	ug/l	92
88) 1,4-Dichlorobenzene	12.03	146	1112	Below	Cal	93

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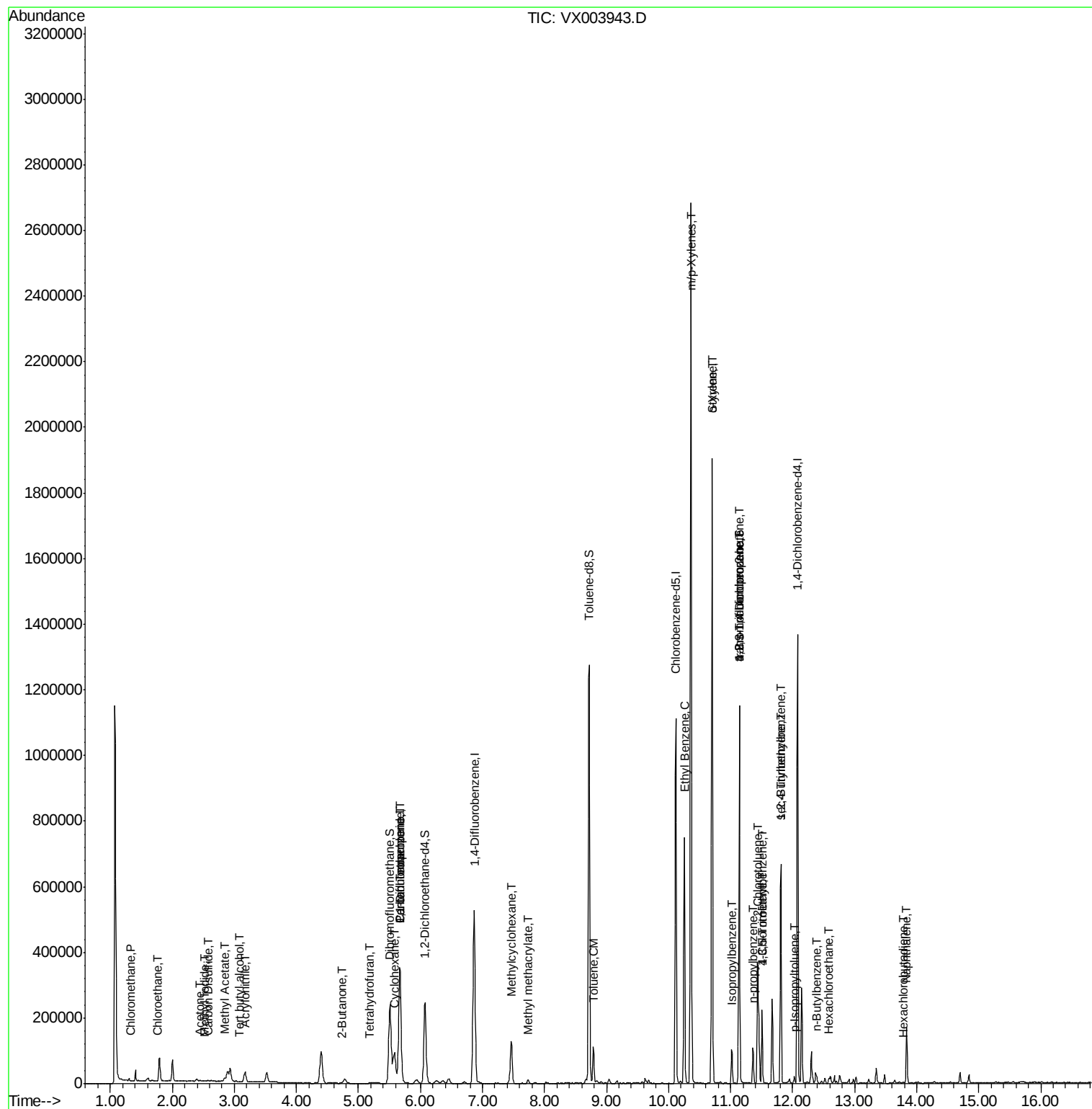
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	12.39	91	7775	0.49	ug/l #	58
90) Hexachloroethane	12.59	117	826	0.28	ug/l #	8
94) Hexachlorobutadiene	13.79	225	886	0.70	ug/l	92
95) Naphthalene	13.83	128	110146	5.12	ug/l	100

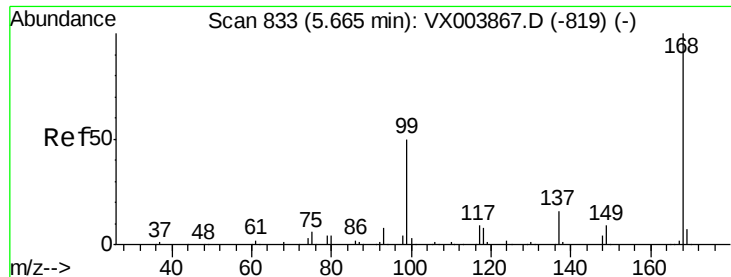
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX003943.D

Acq: 09 Aug 2018 11:57

Instrument :

MSVOA_X

ClientSampleId :

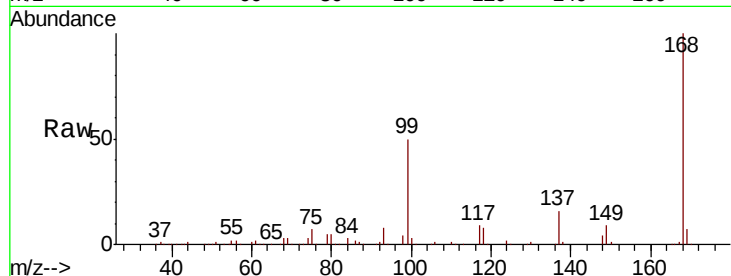
FL-0554DL

Tot Ion:168 Resp: 361957

Ion Ratio Lower Upper

168 100

99 49.8 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

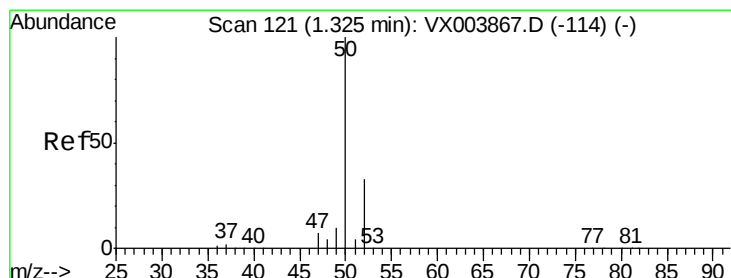
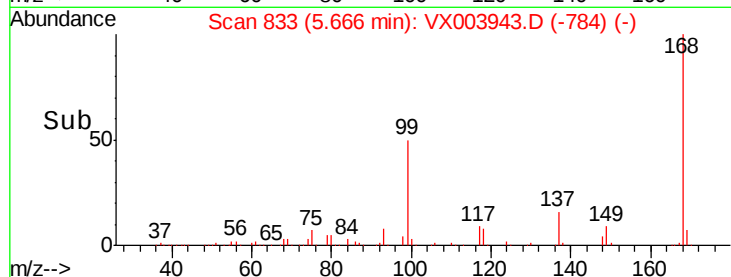
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.20 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX003943.D

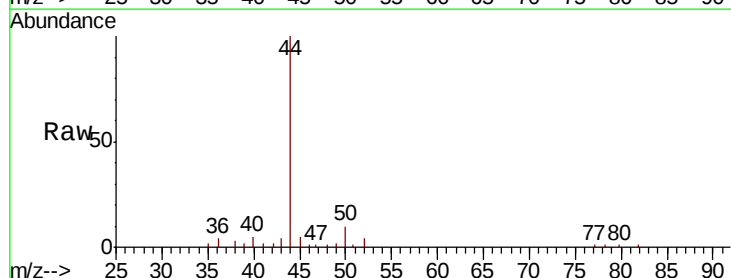
Acq: 09 Aug 2018 11:57

Tgt Ion: 50 Resp: 1018

Ion Ratio Lower Upper

50 100

52 46.6 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

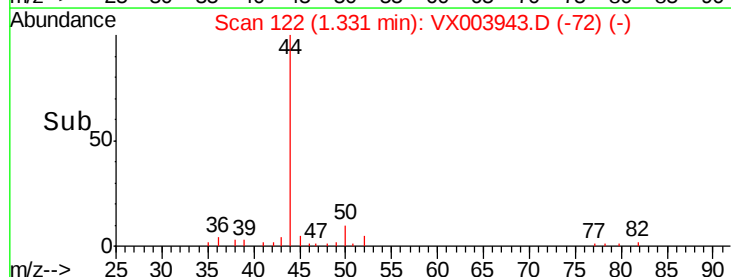
600

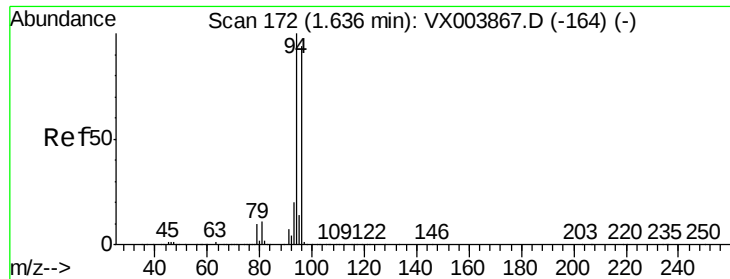
400

200

0

Time--> 1.25 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: VX003943.D

Acq: 09 Aug 2018 11:57

Instrument :

MSVOA_X

ClientSampleId :

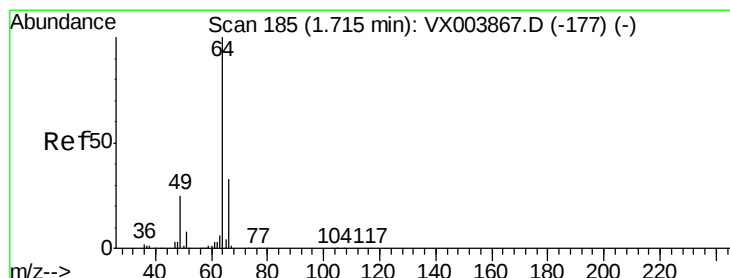
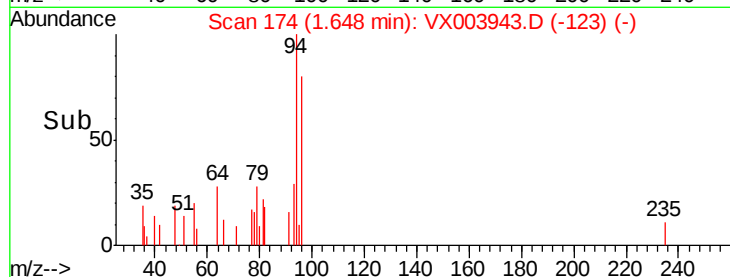
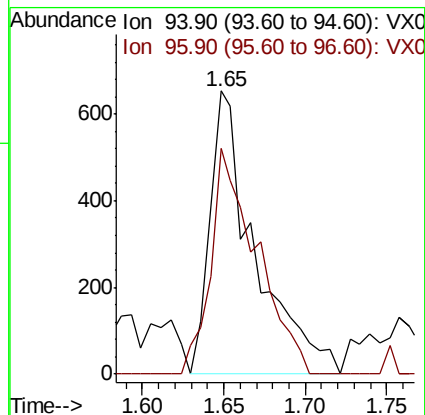
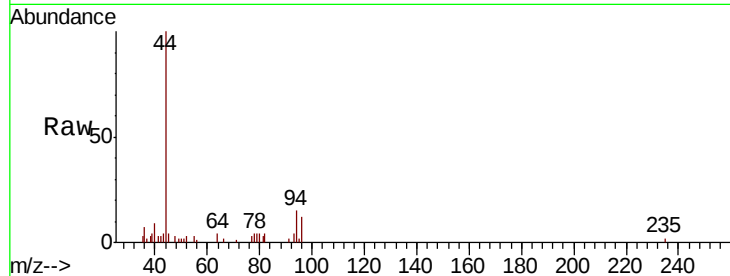
FL-0554DL

Tot Ion: 94 Resp: 1246

Ion Ratio Lower Upper

94 100

96 79.9 75.2 112.8



#6

Chloroethane

Concen: 2.13 ug/l

RT: 1.76 min Scan# 192

Delta R.T. 0.04 min

Lab File: VX003943.D

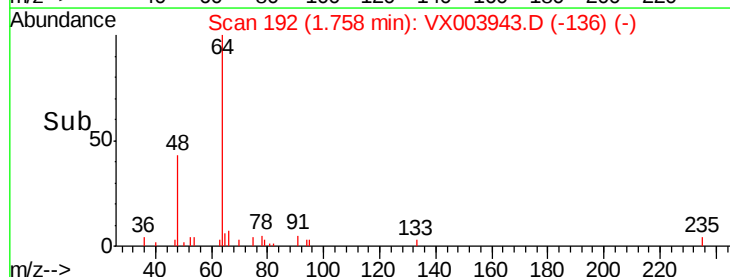
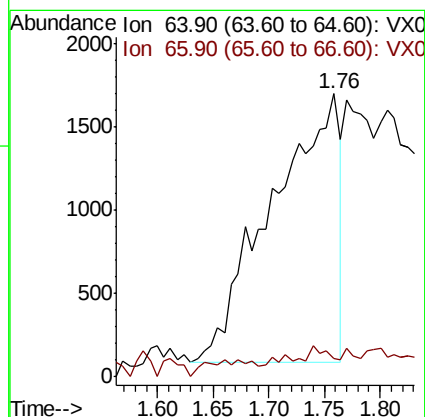
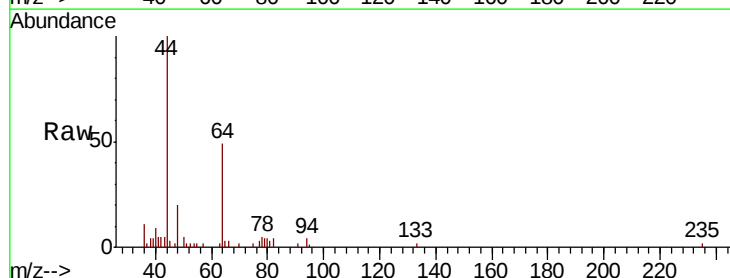
Acq: 09 Aug 2018 11:57

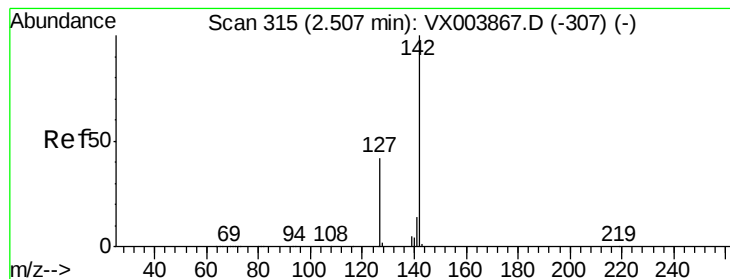
Tgt Ion: 64 Resp: 6795

Ion Ratio Lower Upper

64 100

66 6.8 26.5 39.7#





#10

Methyl Iodide

Concen: 0.25 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX003943.D

Acq: 09 Aug 2018 11:57

Instrument :

MSVOA_X

ClientSampled :

FL-0554DL

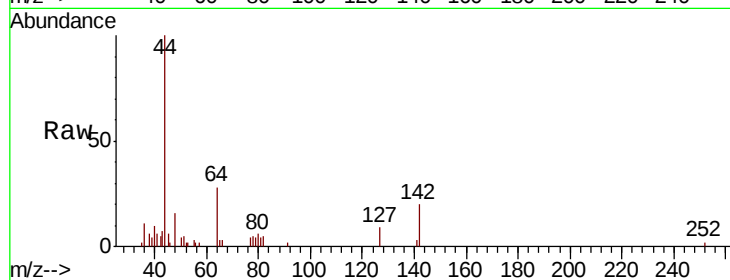
Tot Ion:142 Resp: 1275

Ion Ratio Lower Upper

142 100

127 45.6 33.1 49.7

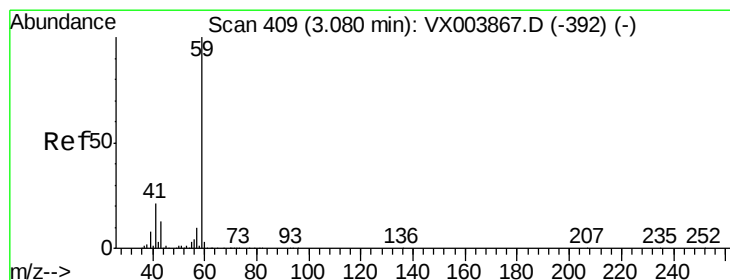
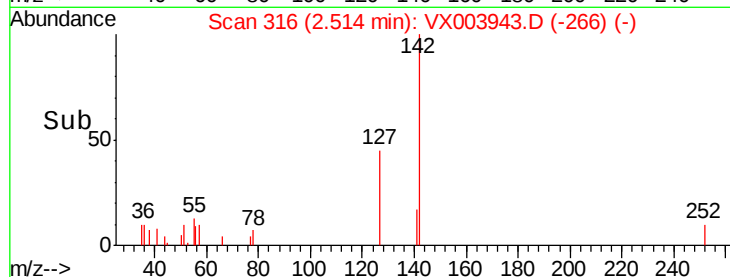
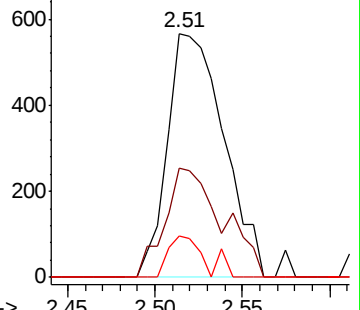
141 9.0 11.1 16.7#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 0.39 ug/l

RT: 3.08 min Scan# 409

Delta R.T. 0.00 min

Lab File: VX003943.D

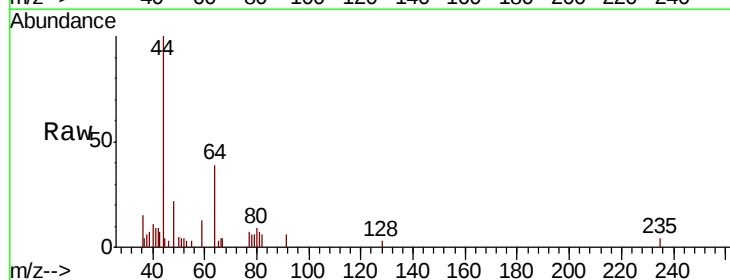
Acq: 09 Aug 2018 11:57

Tgt Ion: 59 Resp: 446

Ion Ratio Lower Upper

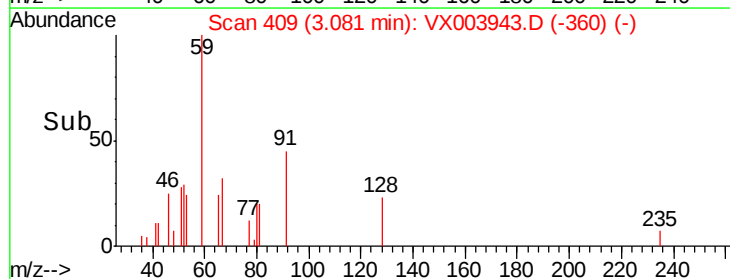
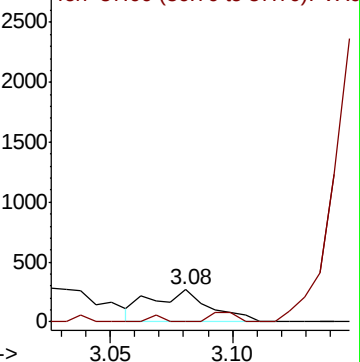
59 100

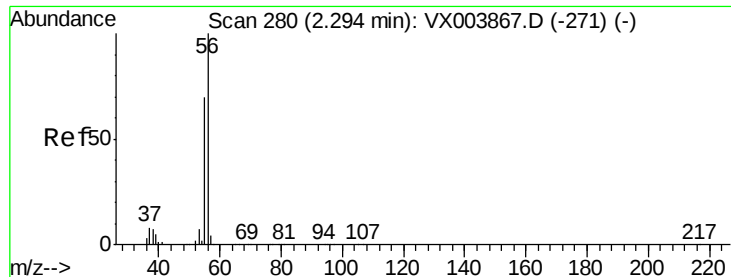
57 0.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: Below Cal

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX003943.D

Acq: 09 Aug 2018 11:57

Instrument :

MSVOA_X

ClientSampleId :

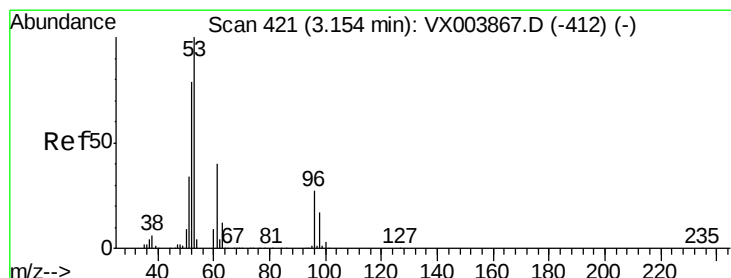
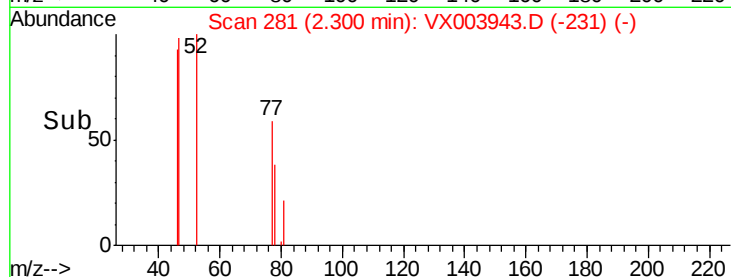
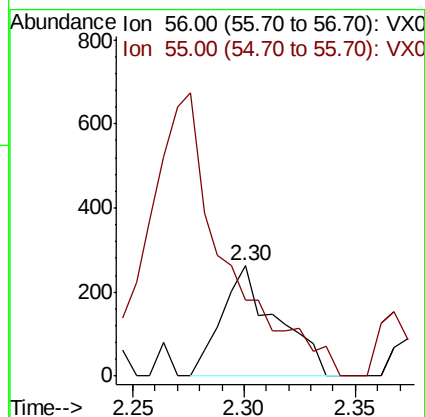
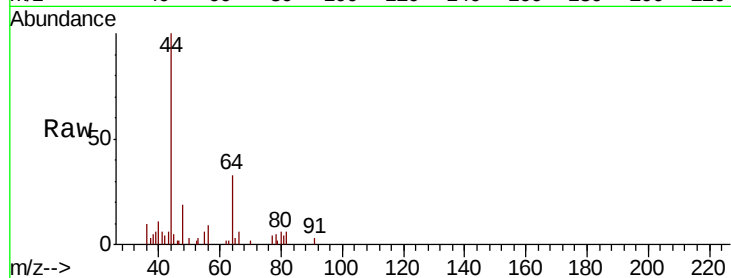
FL-0554DL

Tot Ion: 56 Resp: 454

Ion Ratio Lower Upper

56 100

55 0.0 56.1 84.1#



#15

Acrylonitrile

Concen: 0.64 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX003943.D

Acq: 09 Aug 2018 11:57

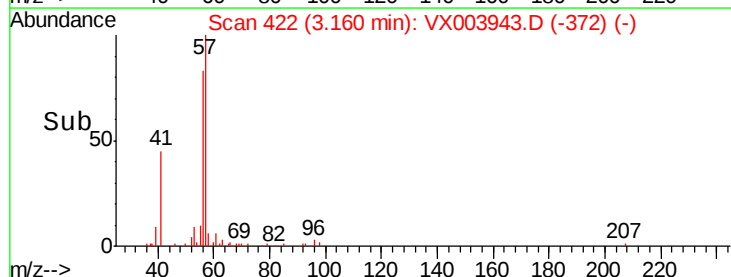
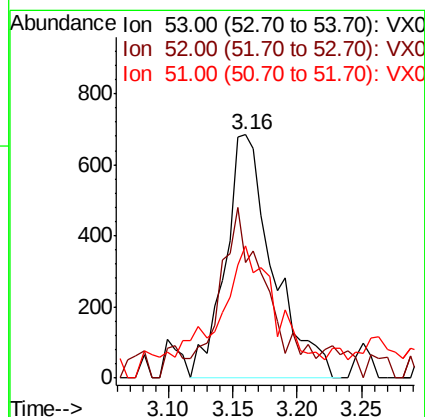
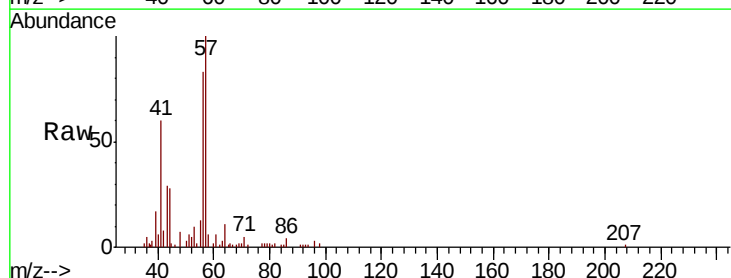
Tgt Ion: 53 Resp: 1767

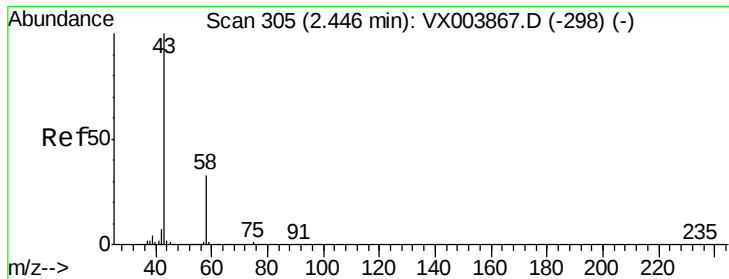
Ion Ratio Lower Upper

53 100

52 52.5 65.3 97.9#

51 71.3 27.9 41.9#





#16

Acetone

Concen: 0.96 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003943.D

Acq: 09 Aug 2018 11:57

Instrument :

MSVOA_X

ClientSampleId :

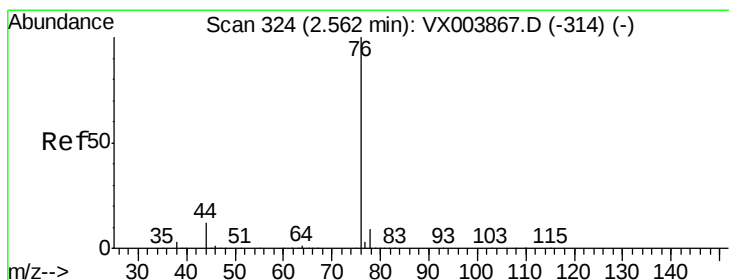
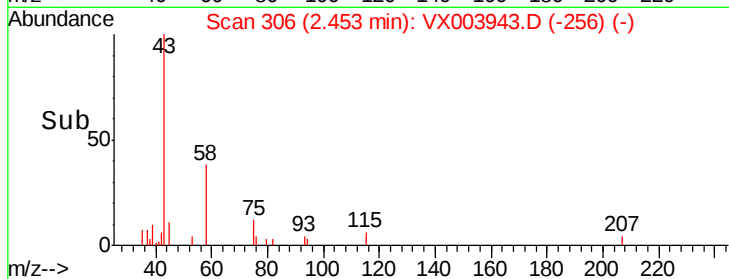
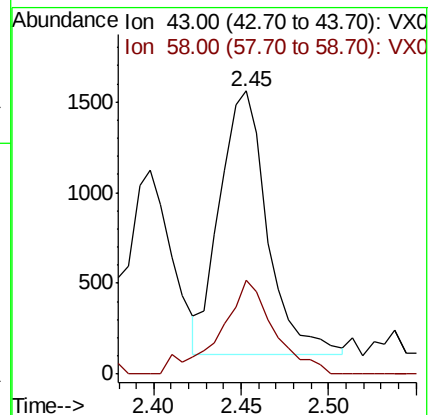
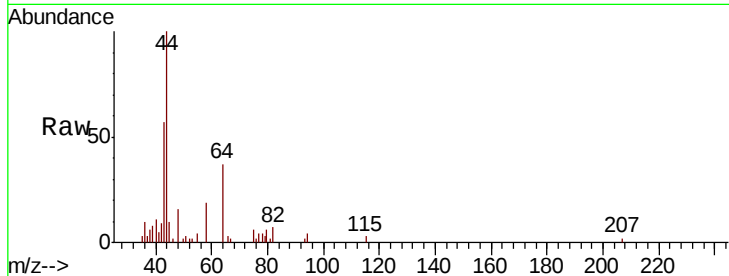
FL-0554DL

Tot Ion: 43 Resp: 2750

Ion Ratio Lower Upper

43 100

58 36.6 26.4 39.6



#17

Carbon Disulfide

Concen: 0.73 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX003943.D

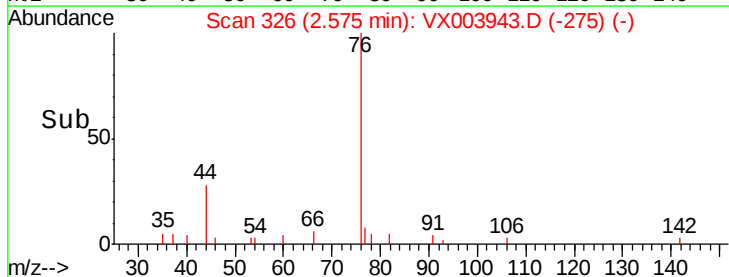
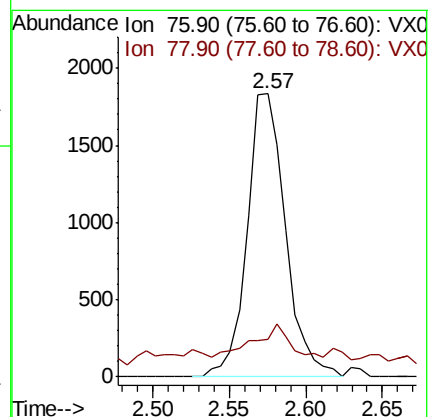
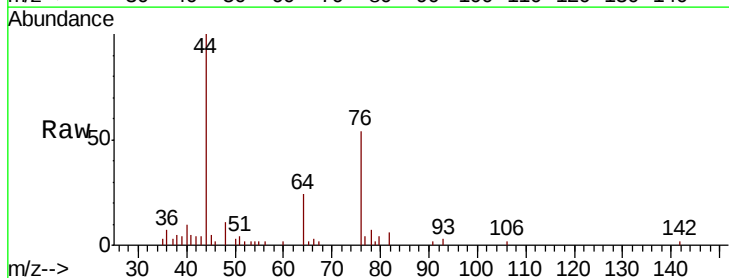
Acq: 09 Aug 2018 11:57

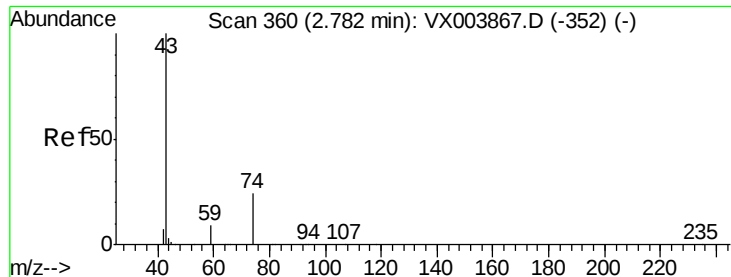
Tgt Ion: 76 Resp: 3204

Ion Ratio Lower Upper

76 100

78 4.7 7.5 11.3#

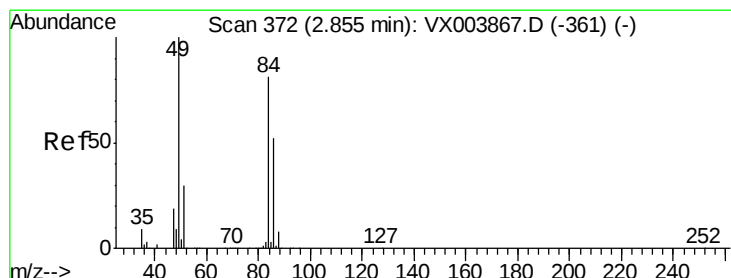
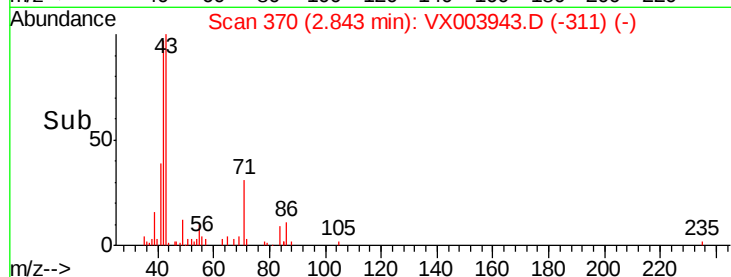
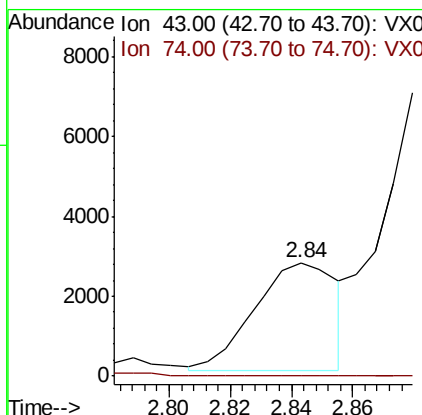
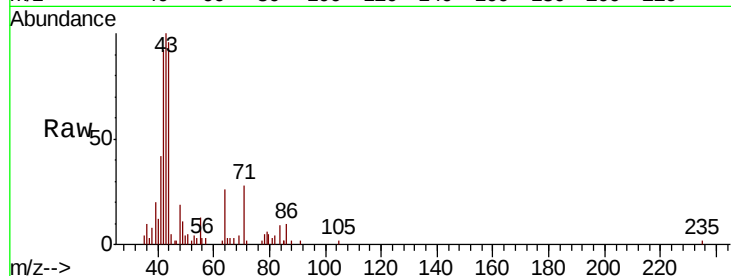




#18
Methyl Acetate
Concen: 0.81 ug/l
RT: 2.84 min Scan# 370
Delta R.T. 0.06 min
Lab File: VX003943.D
Acq: 09 Aug 2018 11:57

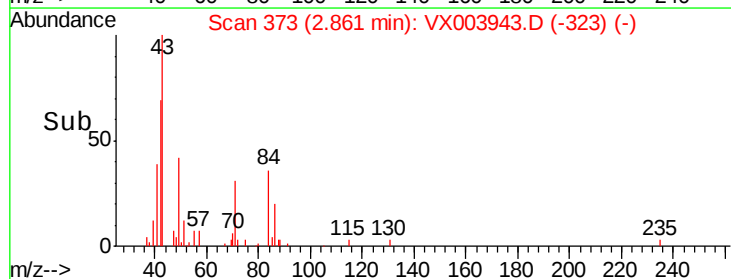
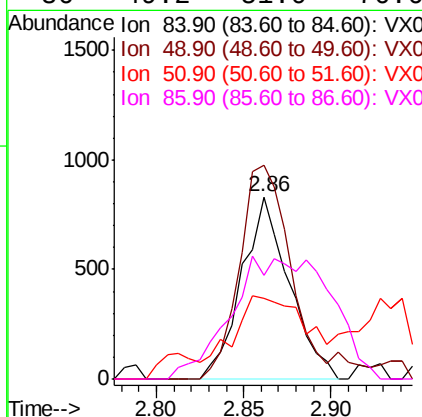
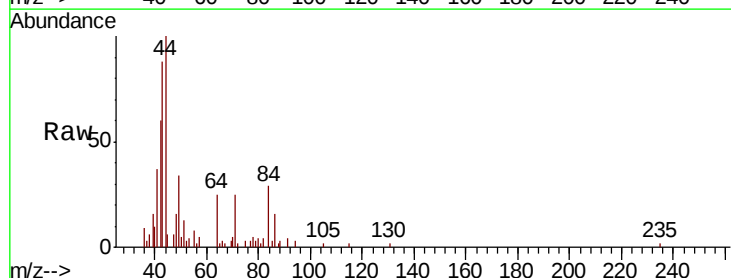
Instrument :
MSVOA_X
ClientSampleID :
FL-0554DL

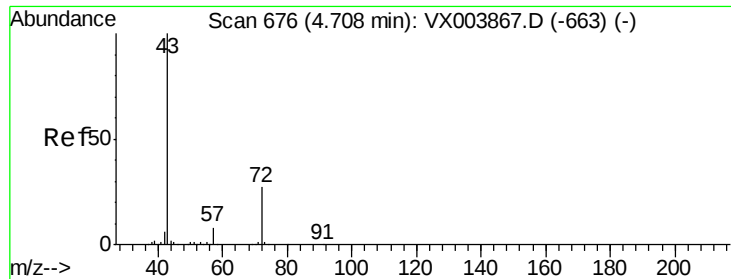
Tot Ion: 43 Resp: 5058
Ion Ratio Lower Upper
43 100
74 0.0 18.9 28.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003943.D
Acq: 09 Aug 2018 11:57

Tgt Ion: 84 Resp: 1569
Ion Ratio Lower Upper
84 100
49 117.5 98.9 148.3
51 33.5 29.9 44.9
86 49.2 51.0 76.6#





#25

2-Butanone

Concen: 0.24 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX003943.D

Acq: 09 Aug 2018 11:57

Instrument :

MSVOA_X

ClientSampled :

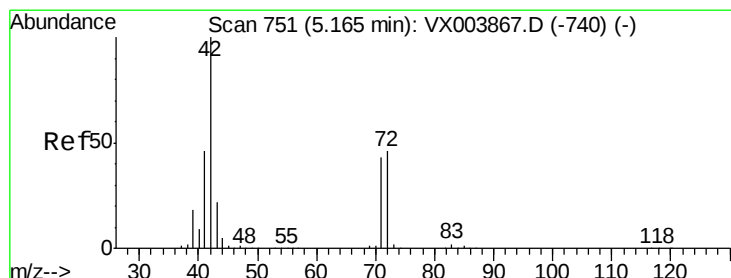
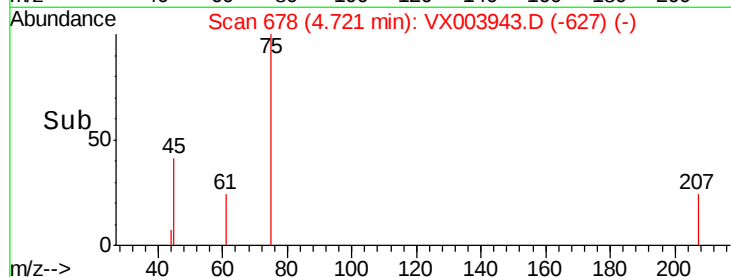
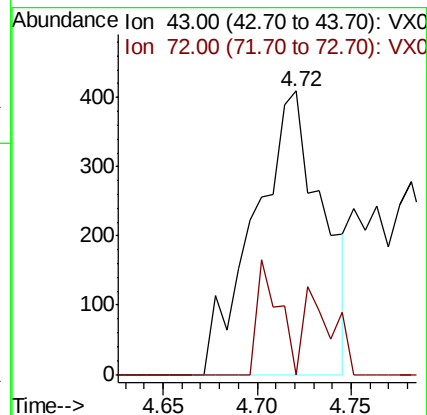
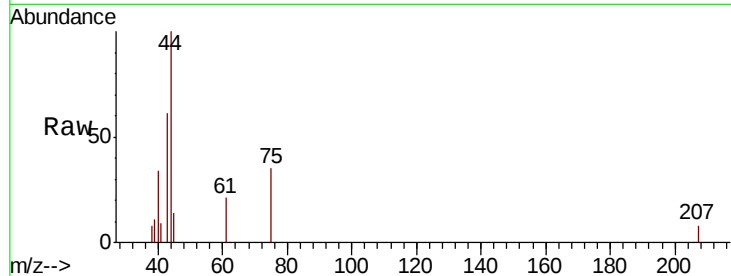
FL-0554DL

Tot Ion: 43 Resp: 1024

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.0#



#29

Tetrahydrofuran

Concen: 0.59 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX003943.D

Acq: 09 Aug 2018 11:57

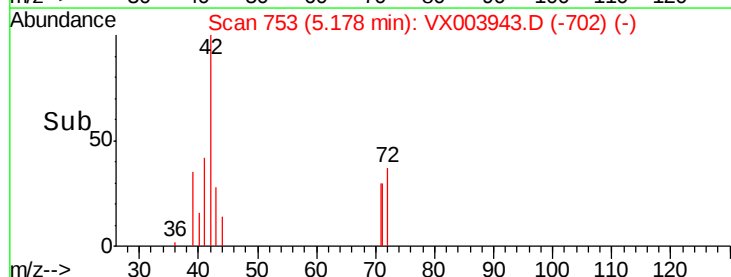
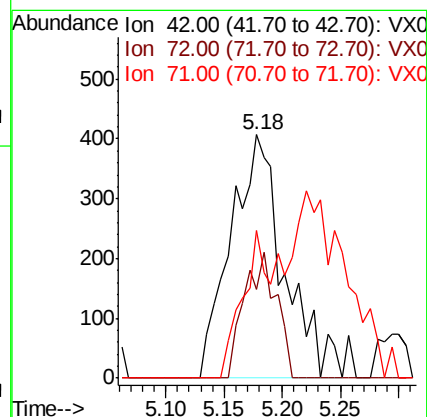
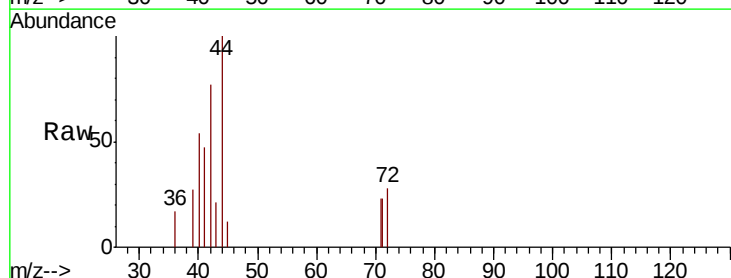
Tgt Ion: 42 Resp: 1297

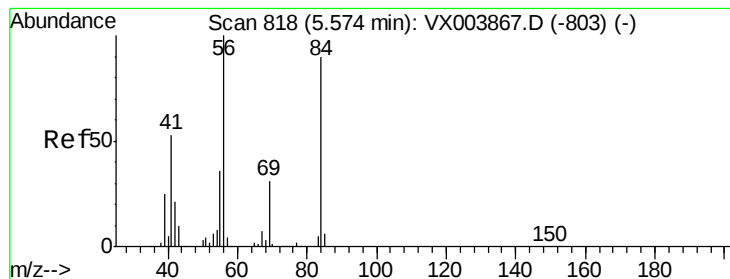
Ion Ratio Lower Upper

42 100

72 31.4 37.7 56.5#

71 29.4 35.0 52.6#





#31

Cyclohexane

Concen: 9.05 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX003943.D

Acq: 09 Aug 2018 11:57

Instrument :

MSVOA_X

ClientSampled :

FL-0554DL

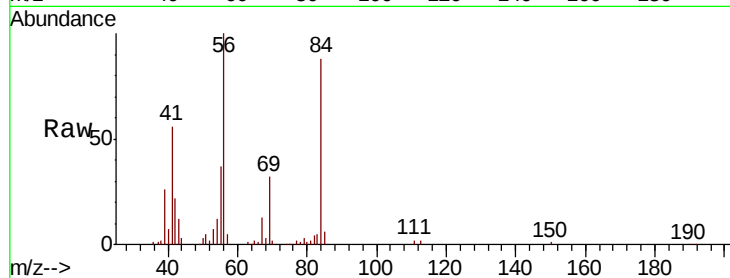
Tot Ion: 56 Resp: 62560

Ion Ratio Lower Upper

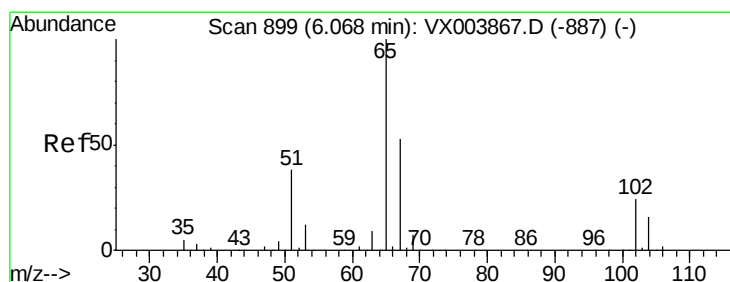
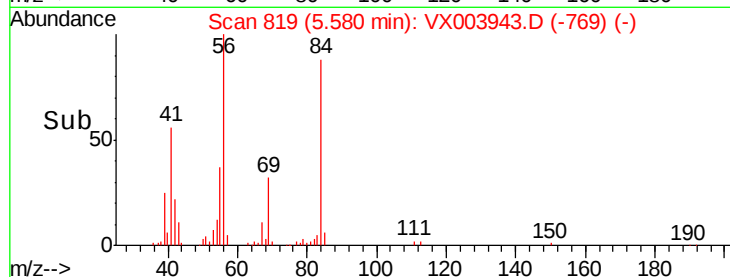
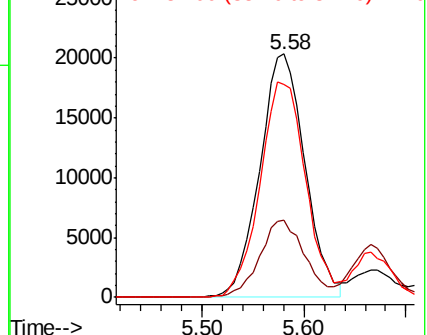
56 100

69 31.7 24.9 37.3

84 87.7 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: 48.10 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003943.D

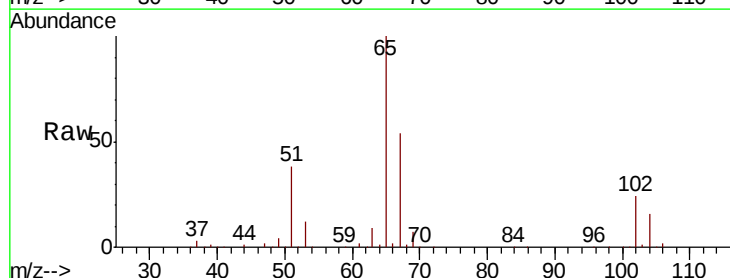
Acq: 09 Aug 2018 11:57

Tgt Ion: 65 Resp: 230776

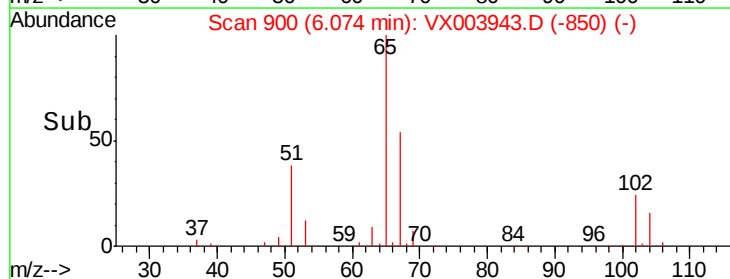
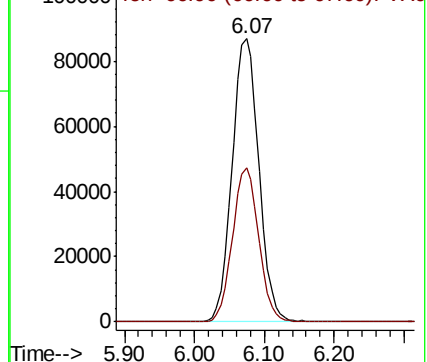
Ion Ratio Lower Upper

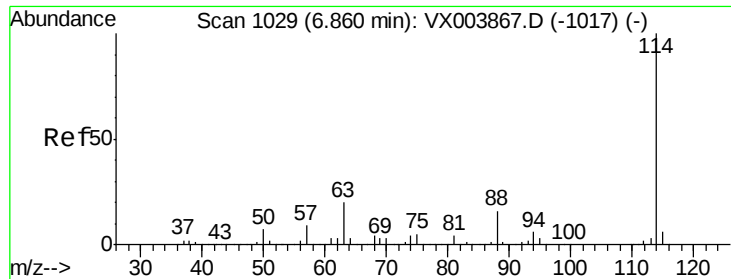
65 100

67 53.5 0.0 105.8



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

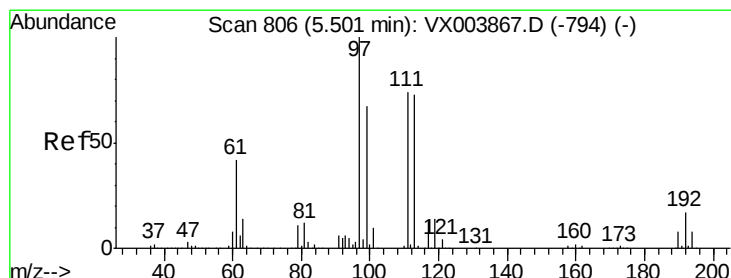
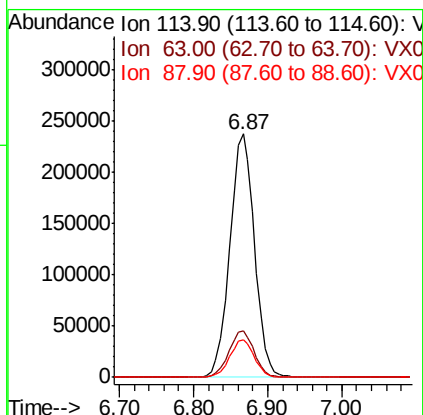
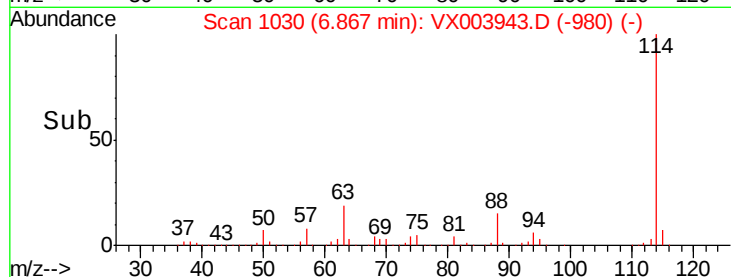
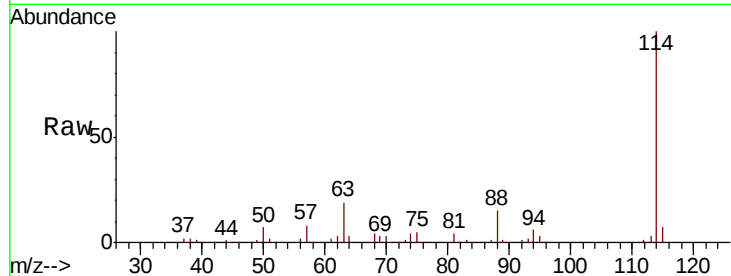




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.01 min
 Lab File: VX003943.D
 Acq: 09 Aug 2018 11:57

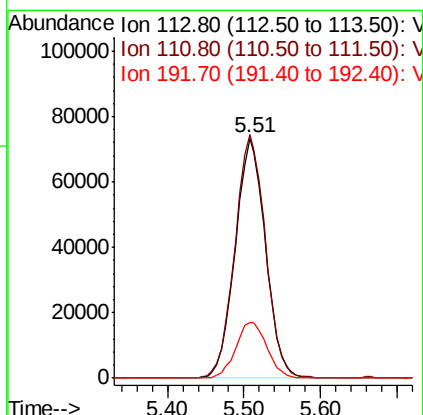
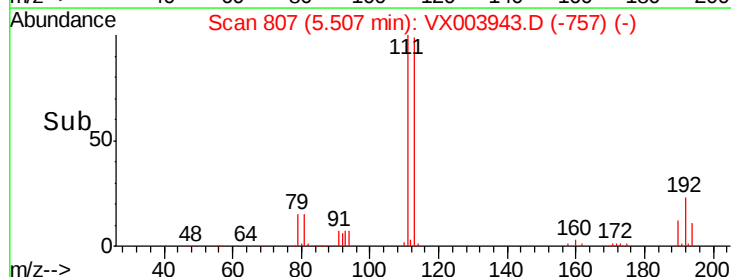
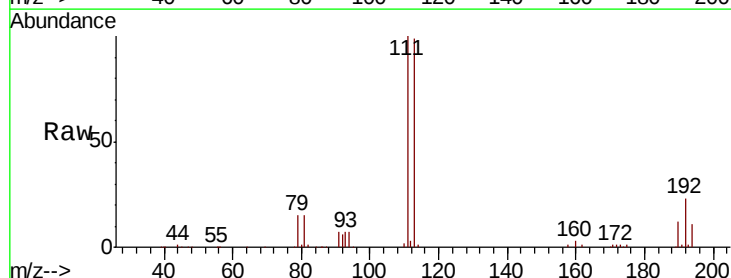
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0554DL

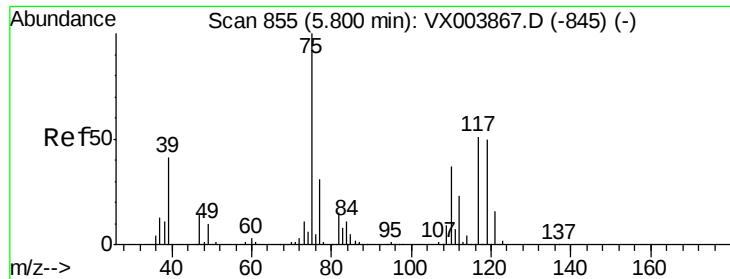
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	39.0
88	15.4	0.0	32.0



#35
 Dibromofluoromethane
 Concen: 48.34 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX003943.D
 Acq: 09 Aug 2018 11:57

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.0	123.0
192	23.9	19.0	28.4





#36

1,1-Dichloropropene

Concen: 3.86 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX003943.D

Acq: 09 Aug 2018 11:57

Instrument :

MSVOA_X

ClientSampleId :

FL-0554DL

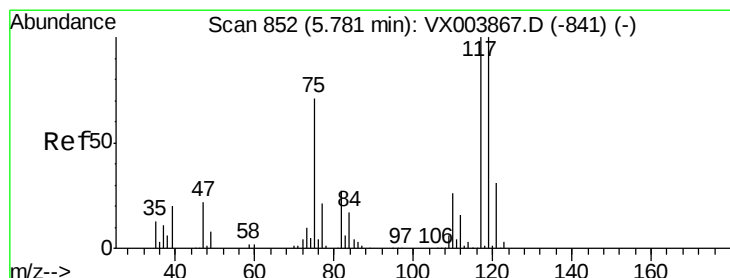
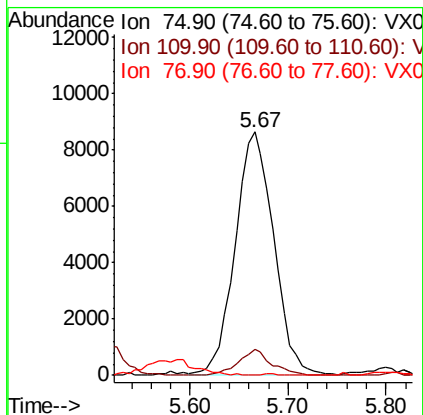
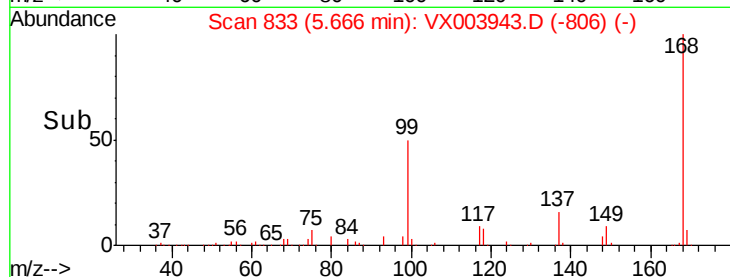
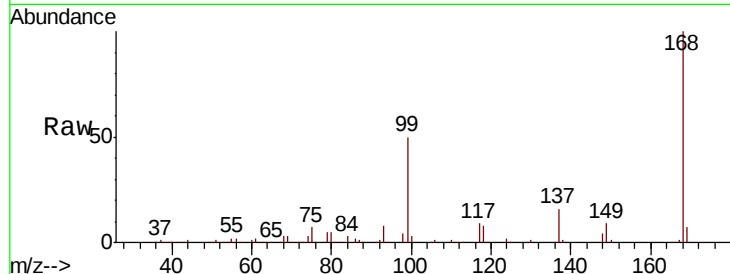
Tot Ion: 75 Resp: 23714

Ion Ratio Lower Upper

75 100

110 9.1 18.2 54.6#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.40 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003943.D

Acq: 09 Aug 2018 11:57

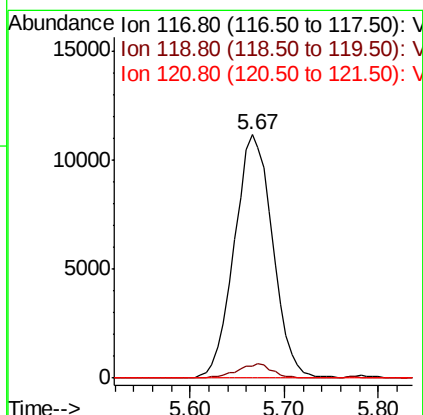
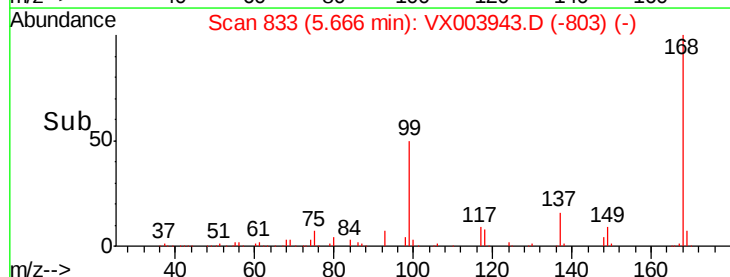
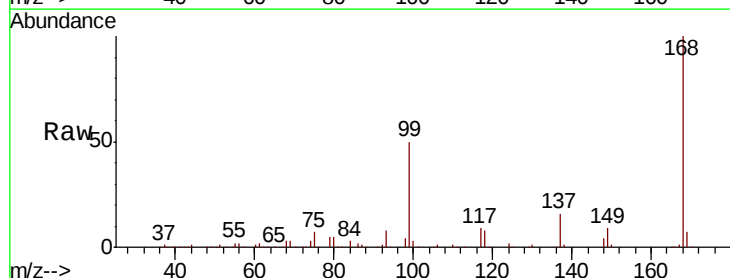
Tgt Ion: 117 Resp: 31554

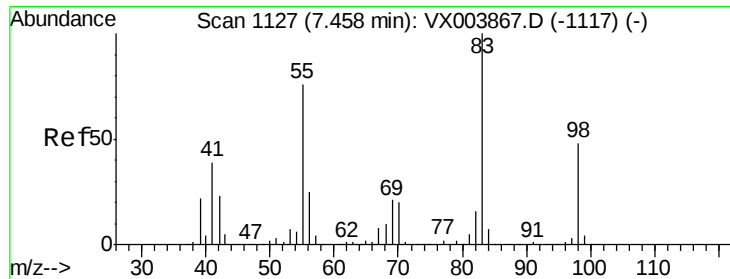
Ion Ratio Lower Upper

117 100

119 5.1 79.5 119.3#

121 0.0 25.0 37.4#

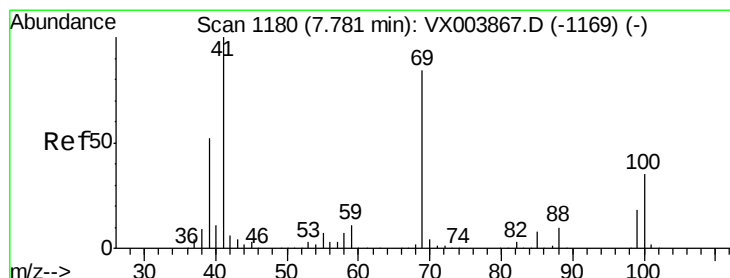
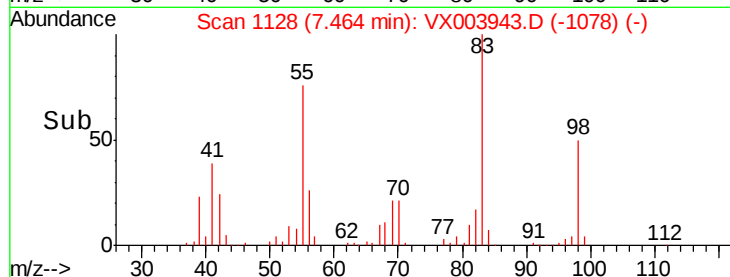
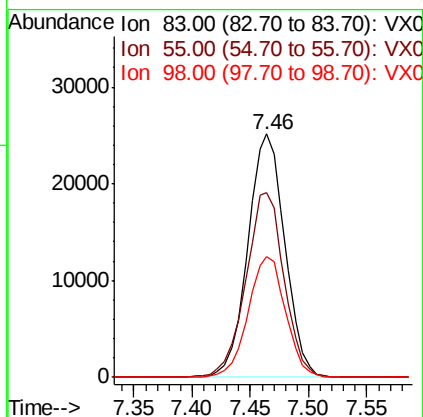
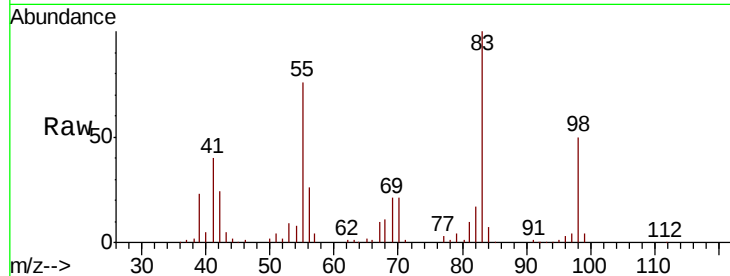




#39
Methylvlcyclohexane
Concen: 7.63 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX003943.D
Acq: 09 Aug 2018 11:57

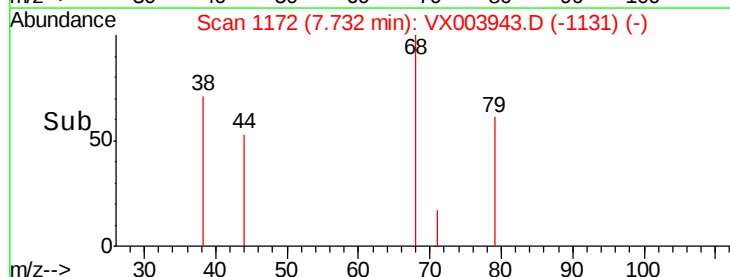
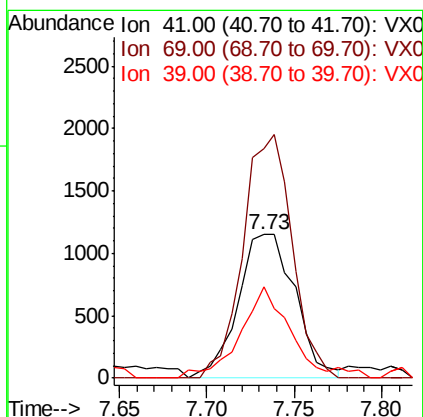
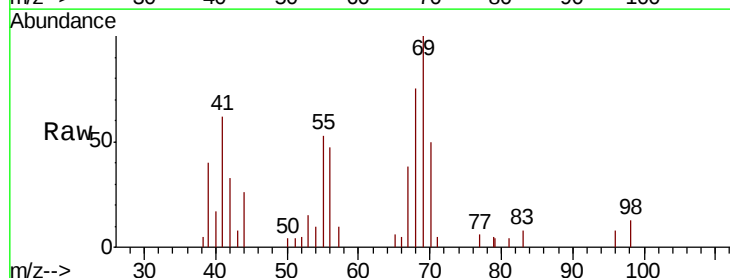
Instrument :
MSVOA_X
ClientSampleId :
FL-0554DL

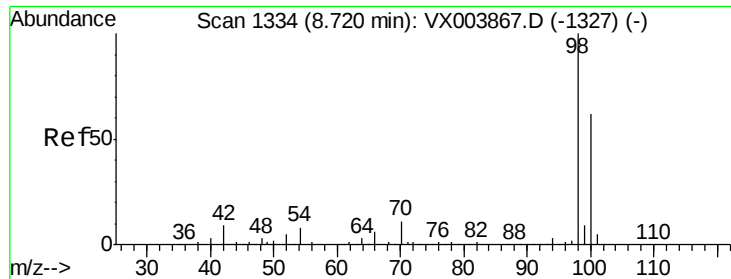
Tot Ion: 83 Resp: 55291
Ion Ratio Lower Upper
83 100
55 76.0 61.0 91.6
98 49.7 38.6 57.8



#48
Methyl methacrylate
Concen: 0.50 ug/l
RT: 7.73 min Scan# 1172
Delta R.T. -0.05 min
Lab File: VX003943.D
Acq: 09 Aug 2018 11:57

Tgt Ion: 41 Resp: 2608
Ion Ratio Lower Upper
41 100
69 146.1 68.8 103.2#
39 54.3 42.3 63.5

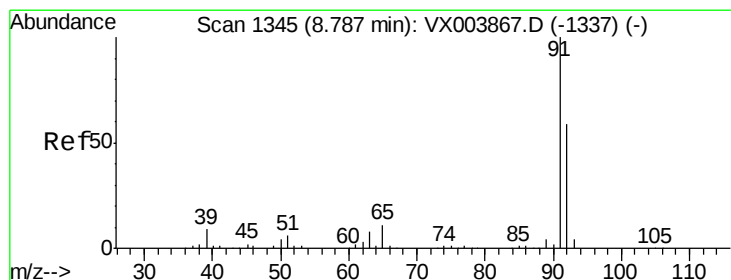
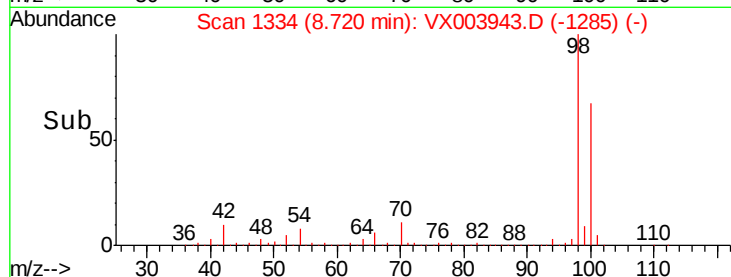
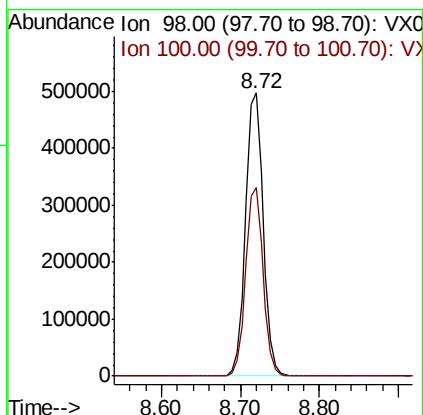
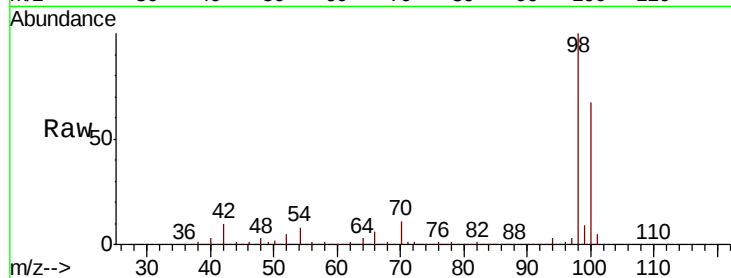




#50
Toluene-d8
Concen: 47.53 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003943.D
Acq: 09 Aug 2018 11:57

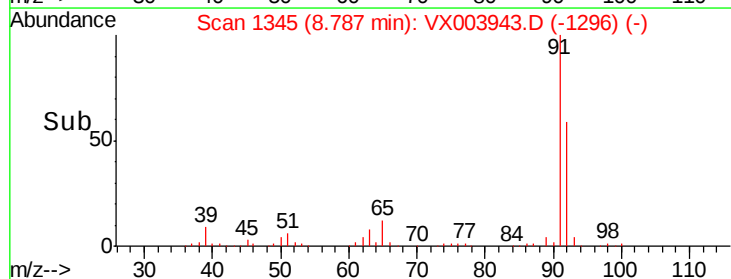
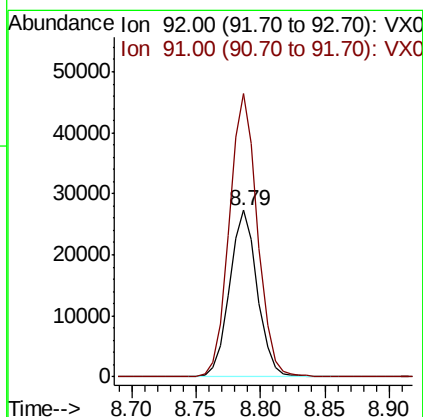
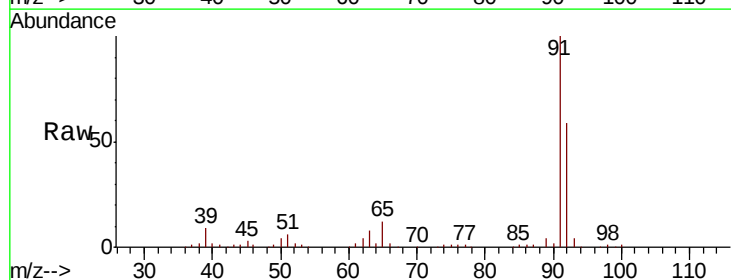
Instrument :
MSVOA_X
ClientSampled :
FL-0554DL

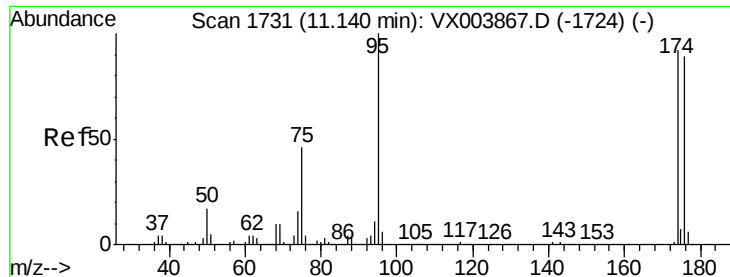
Tot Ion: 98 Resp: 768188
Ion Ratio Lower Upper
98 100
100 65.9 53.3 79.9



#52
Toluene
Concen: 3.52 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX003943.D
Acq: 09 Aug 2018 11:57

Tgt Ion: 92 Resp: 41087
Ion Ratio Lower Upper
92 100
91 172.2 136.1 204.1

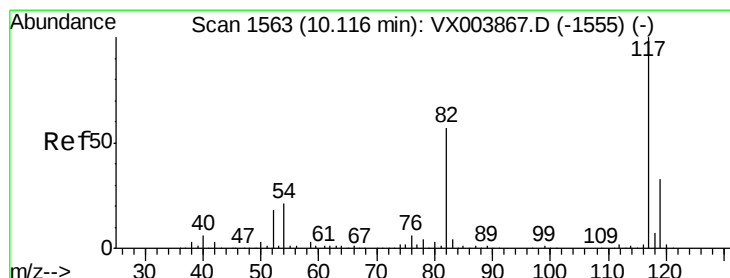
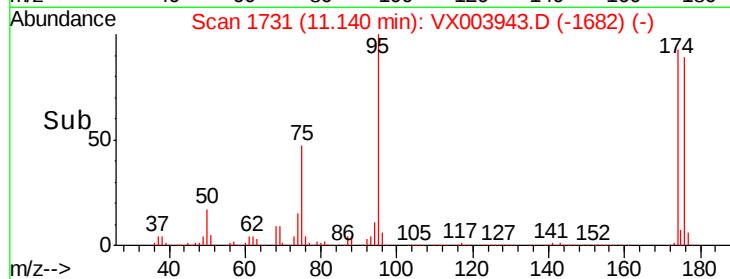
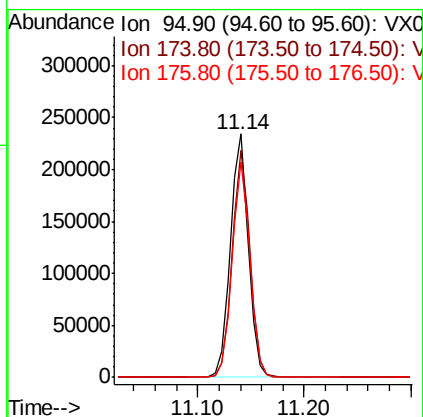
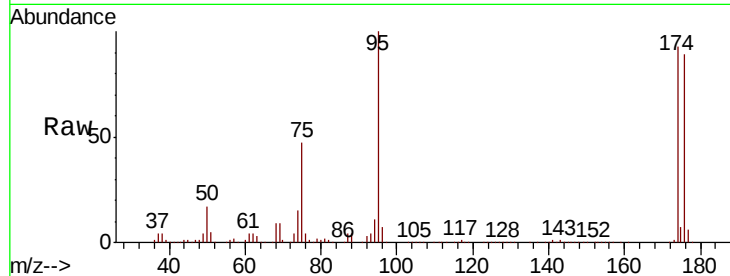




#62
4-Bromofluorobenzene
Concen: 53.26 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003943.D
Acq: 09 Aug 2018 11:57

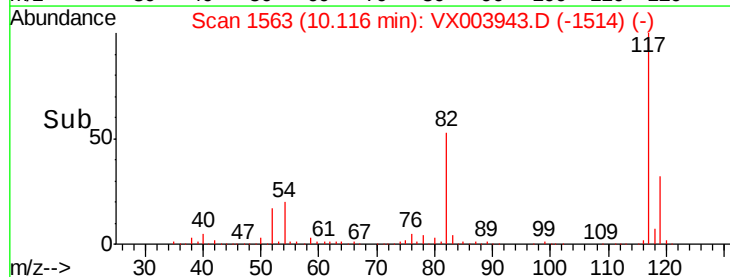
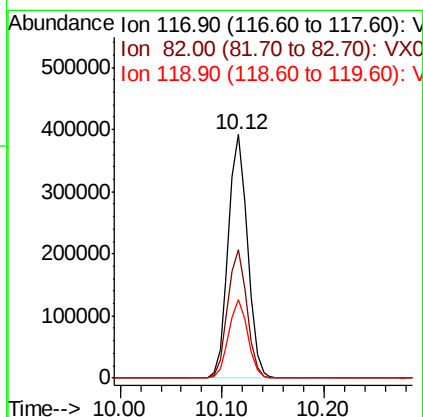
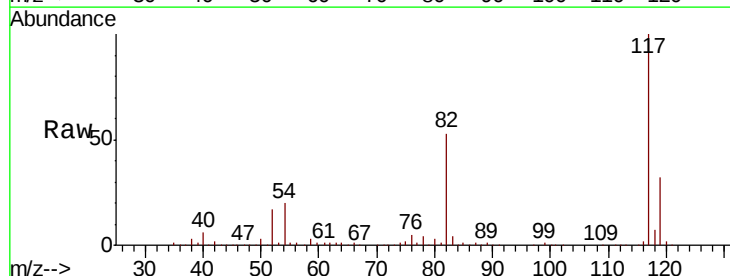
Instrument :
MSVOA_X
ClientSampleId :
FL-0554DL

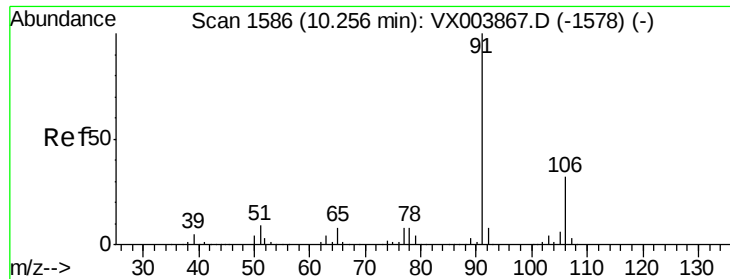
Tot Ion: 95 Resp: 278559
Ion Ratio Lower Upper
95 100
174 92.5 0.0 182.8
176 87.9 0.0 179.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003943.D
Acq: 09 Aug 2018 11:57

Tgt Ion: 117 Resp: 509333
Ion Ratio Lower Upper
117 100
82 52.5 45.4 68.0
119 32.0 26.6 40.0





#67

Ethyl Benzene

Concen: 20.12 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003943.D

Acq: 09 Aug 2018 11:57

Instrument :

MSVOA_X

ClientSampled :

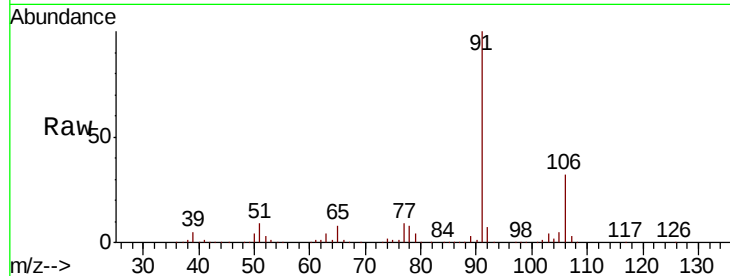
FL-0554DL

Tot Ion: 91 Resp: 436473

Ion Ratio Lower Upper

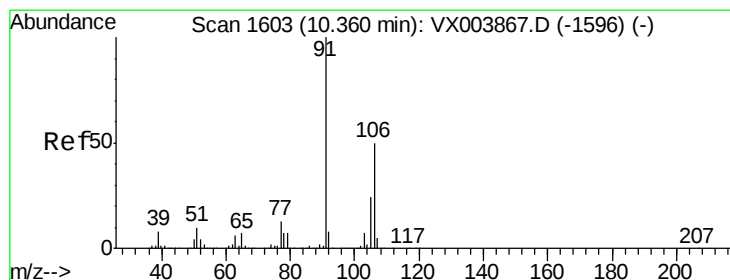
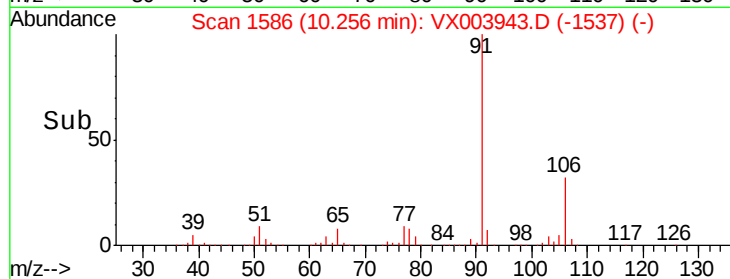
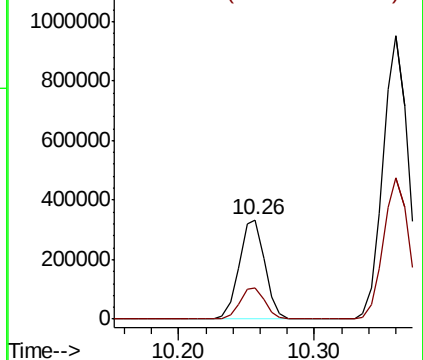
91 100

106 31.5 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-Xylenes

Concen: 73.30 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003943.D

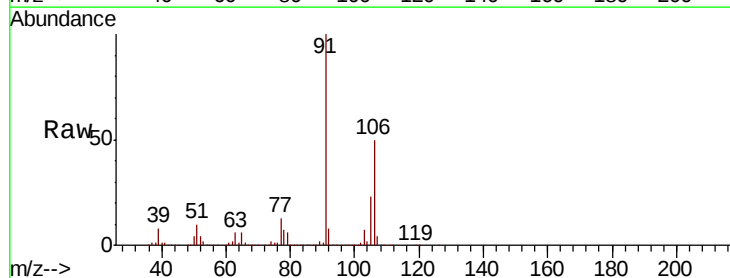
Acq: 09 Aug 2018 11:57

Tgt Ion:106 Resp: 621373

Ion Ratio Lower Upper

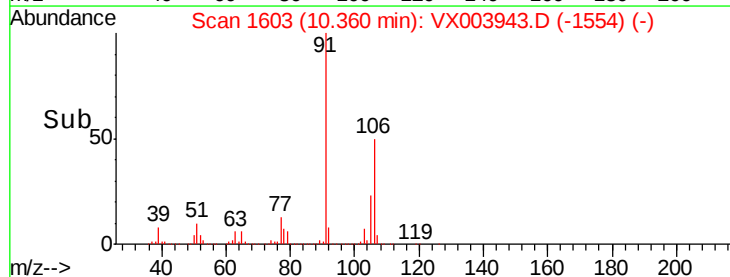
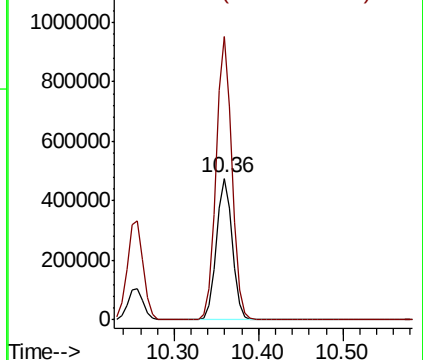
106 100

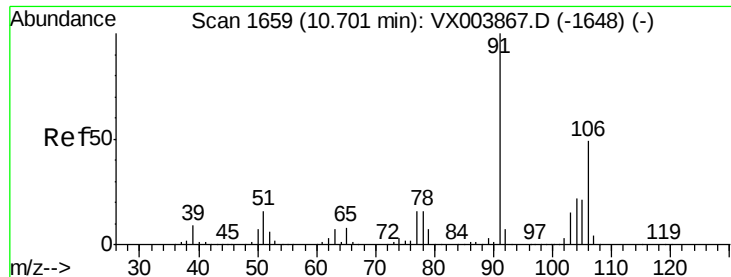
91 198.8 162.3 243.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

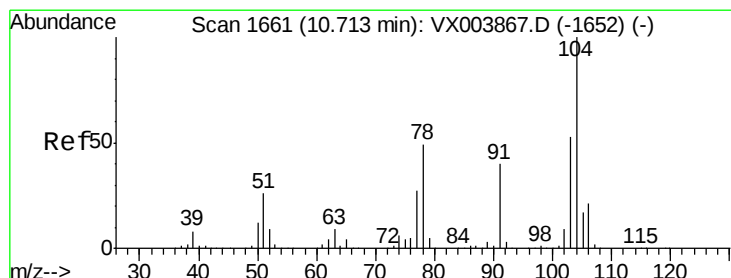
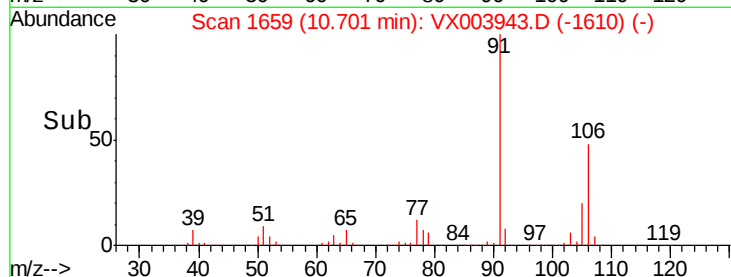
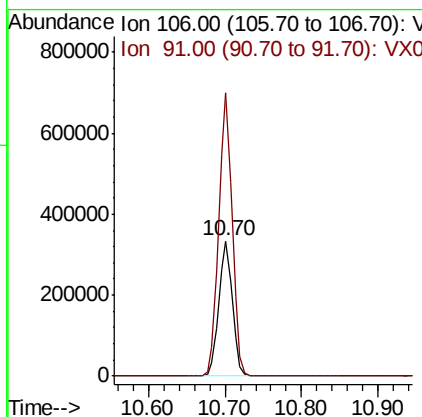
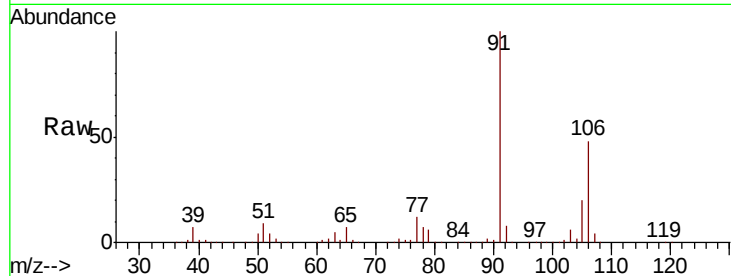




#69
o-Xylene
Concen: 51.05 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003943.D
Acq: 09 Aug 2018 11:57

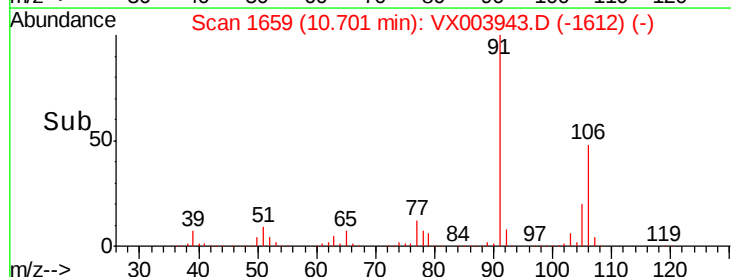
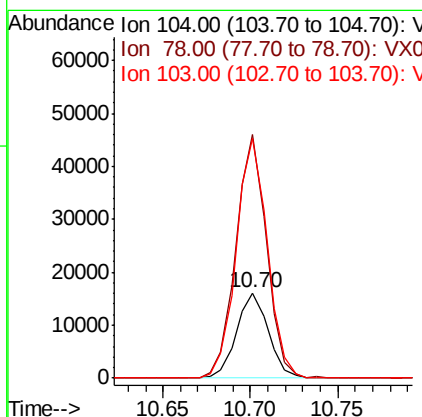
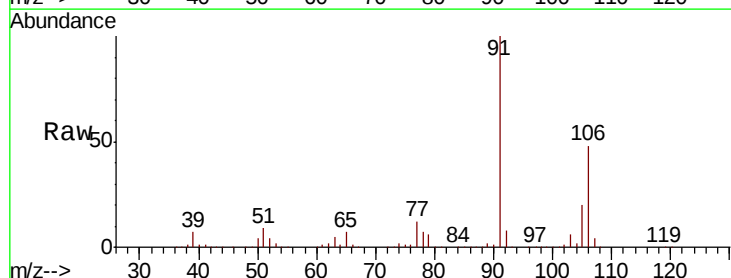
Instrument :
MSVOA_X
ClientSampleID :
FL-0554DL

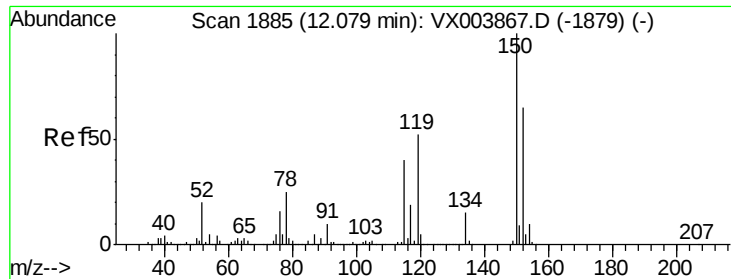
Tot Ion:106 Resp: 408491
Ion Ratio Lower Upper
106 100
91 208.1 101.9 305.7



#70
Styrene
Concen: 1.56 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX003943.D
Acq: 09 Aug 2018 11:57

Tgt Ion:104 Resp: 20470
Ion Ratio Lower Upper
104 100
78 274.2 39.8 59.6#
103 273.8 44.3 66.5#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003943.D

Acq: 09 Aug 2018 11:57

Instrument :

MSVOA_X

ClientSampleId :

FL-0554DL

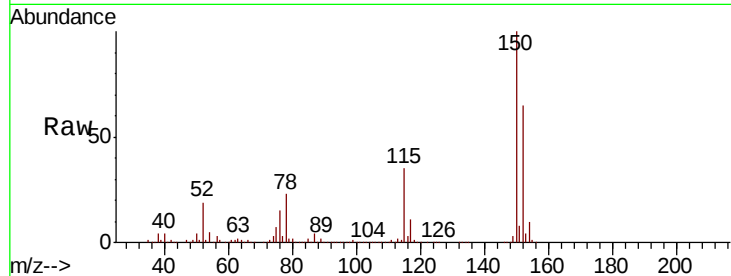
Tot Ion:152 Resp: 288913

Ion Ratio Lower Upper

152 100

115 54.3 39.1 117.3

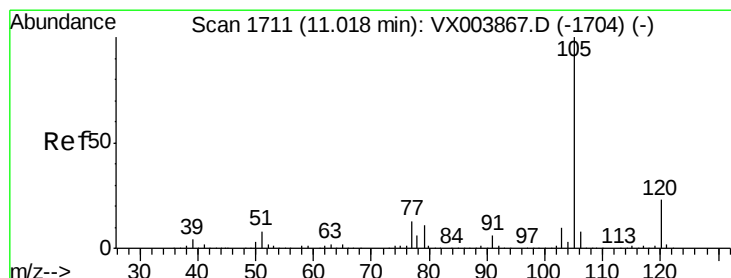
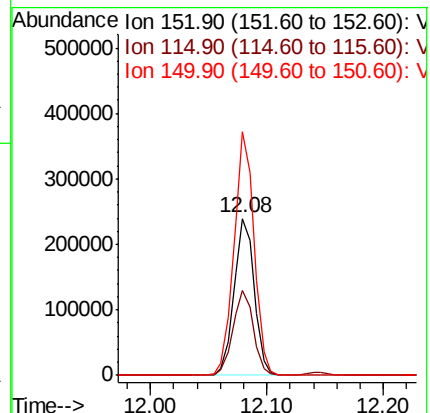
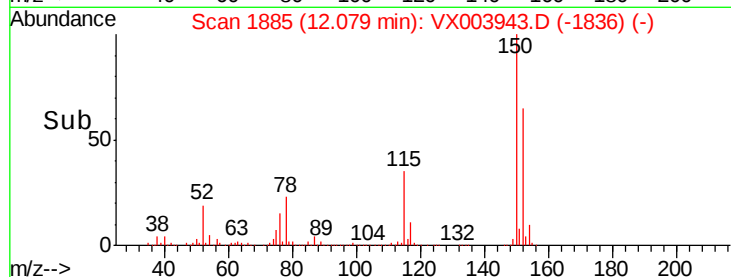
150 153.8 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 2.49 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003943.D

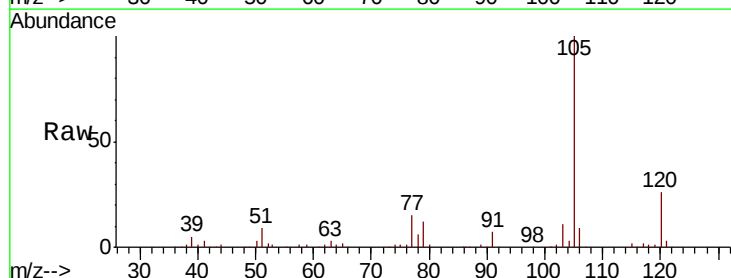
Acq: 09 Aug 2018 11:57

Tgt Ion:105 Resp: 53163

Ion Ratio Lower Upper

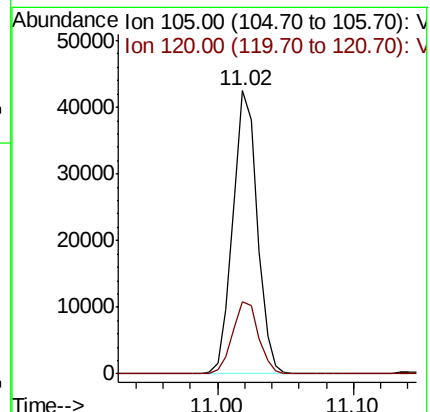
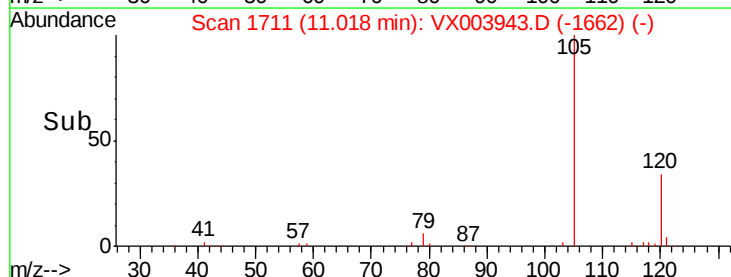
105 100

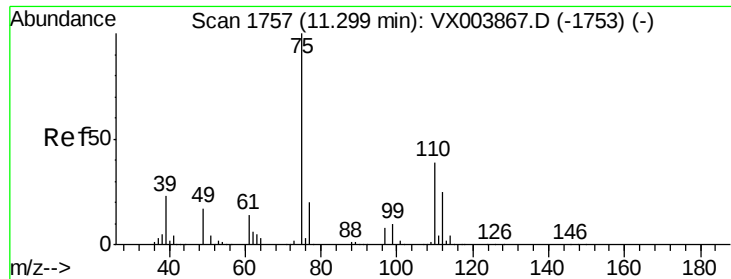
120 27.1 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 21.12 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003943.D

Acq: 09 Aug 2018 11:57

Instrument :

MSVOA_X

ClientSampled :

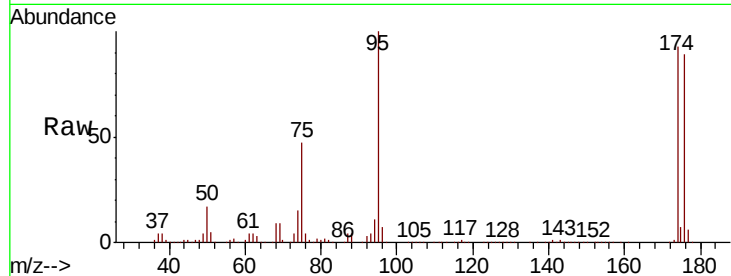
FL-0554DL

Tot Ion: 75 Resp: 134797

Ion Ratio Lower Upper

75 100

77 1.3 20.8 62.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.14

120000

100000

80000

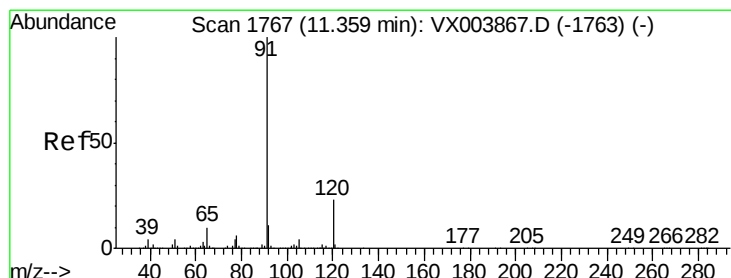
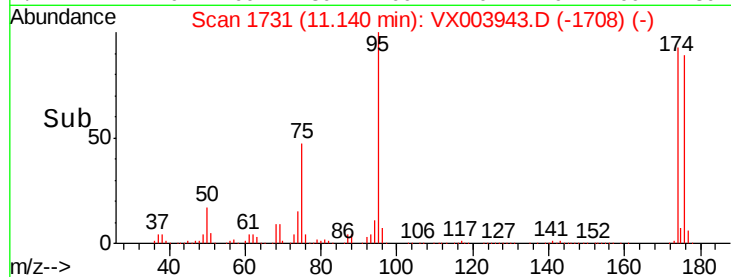
60000

40000

20000

0

Time-->



#78

n-propylbenzene

Concen: 2.68 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003943.D

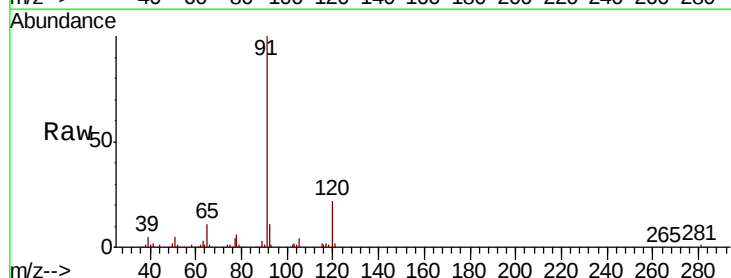
Acq: 09 Aug 2018 11:57

Tgt Ion: 91 Resp: 64272

Ion Ratio Lower Upper

91 100

120 22.4 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.36

60000

50000

40000

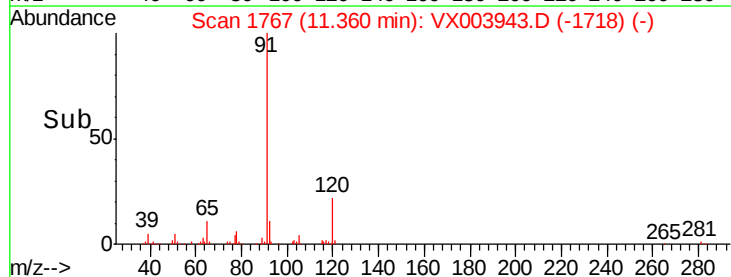
30000

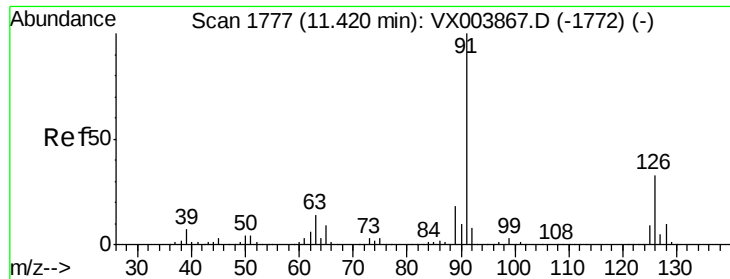
20000

10000

0

Time-->





#79

2-Chlorotoluene

Concen: 2.26 ug/l

RT: 11.43 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VX003943.D

Acq: 09 Aug 2018 11:57

Instrument :

MSVOA_X

ClientSampled :

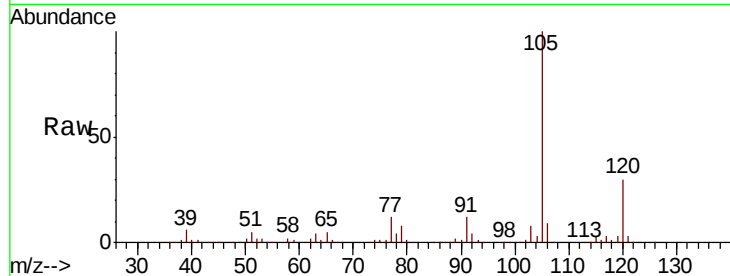
FL-0554DL

Tot Ion: 91 Resp: 33134

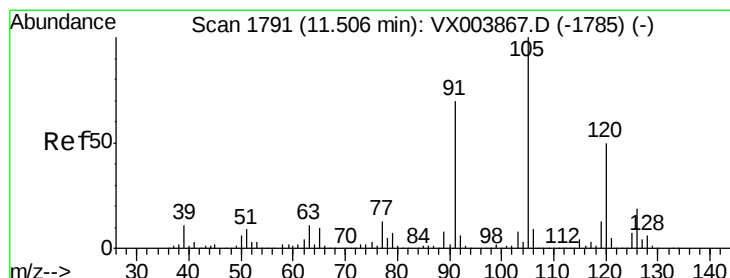
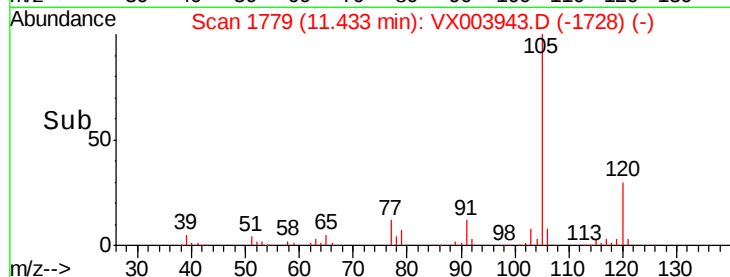
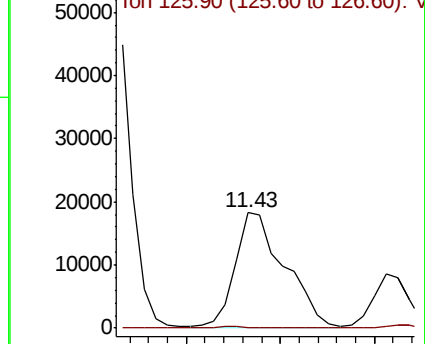
Ion Ratio Lower Upper

91 100

126 1.1 17.4 52.3#



Abundance Ion 91.00 (90.70 to 91.70): VX003867.D (-1772) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.50 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX003943.D

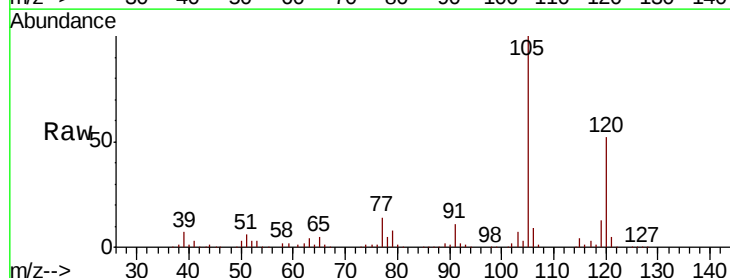
Acq: 09 Aug 2018 11:57

Tgt Ion:105 Resp: 95768

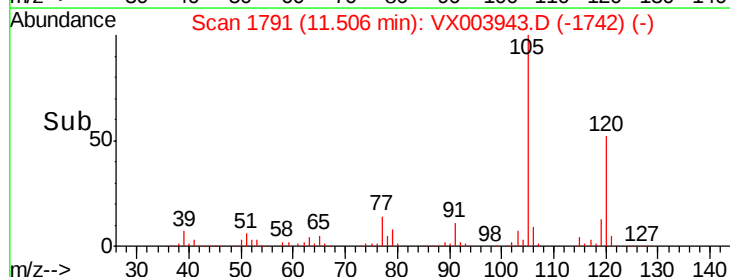
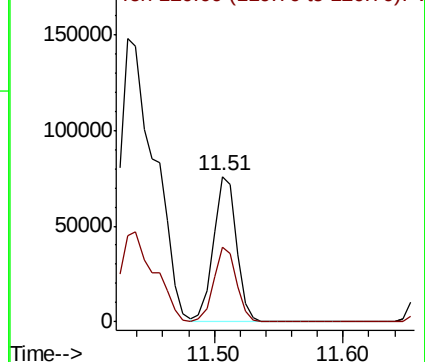
Ion Ratio Lower Upper

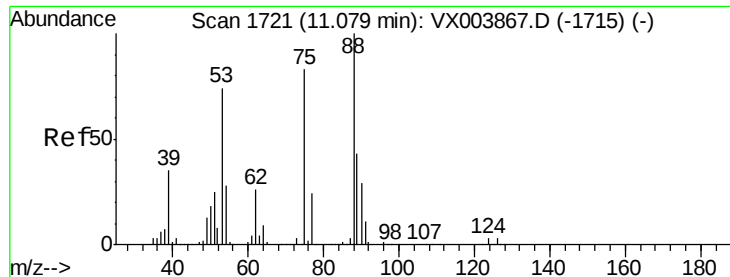
105 100

120 50.9 25.4 76.2



Abundance Ion 105.00 (104.70 to 105.70): VX003867.D (-1785) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 57.13 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003943.D

Acq: 09 Aug 2018 11:57

Instrument :

MSVOA_X

ClientSampleId :

FL-0554DL

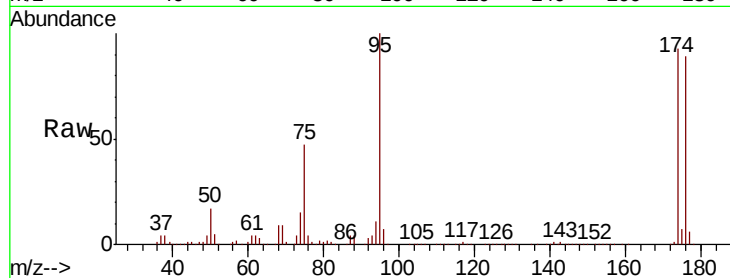
Tot Ion: 75 Resp: 134797

Ion Ratio Lower Upper

75 100

53 0.0 80.3 120.5#

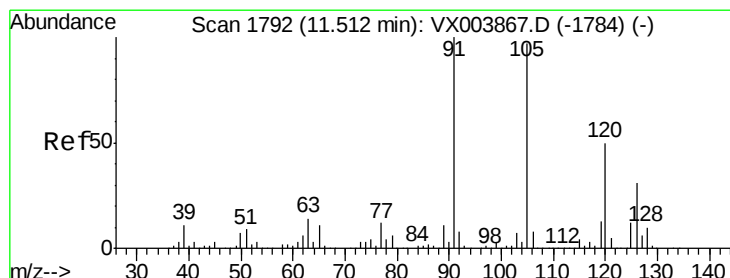
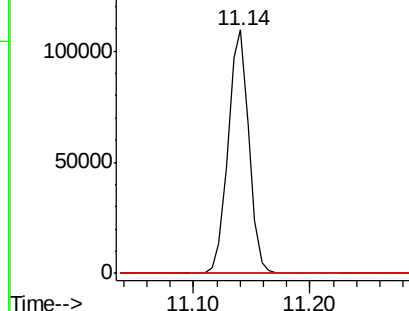
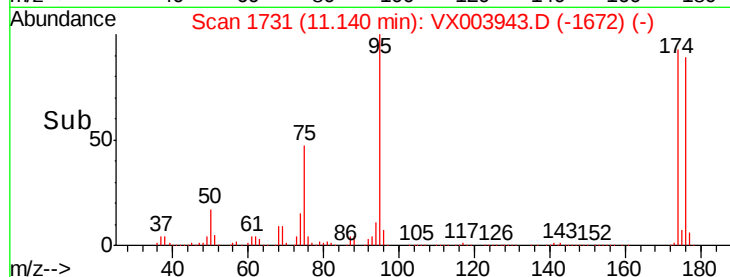
89 0.0 37.8 56.8#



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: 0.64 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX003943.D

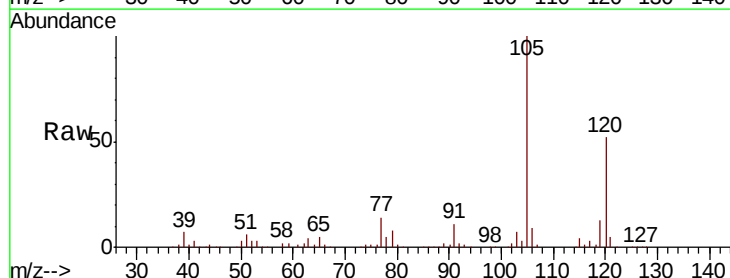
Acq: 09 Aug 2018 11:57

Tgt Ion: 91 Resp: 10942

Ion Ratio Lower Upper

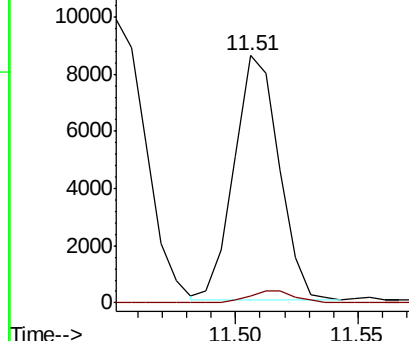
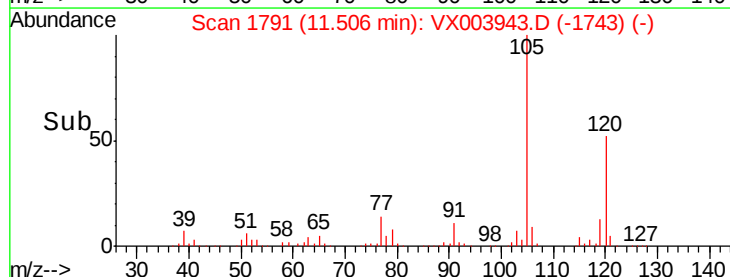
91 100

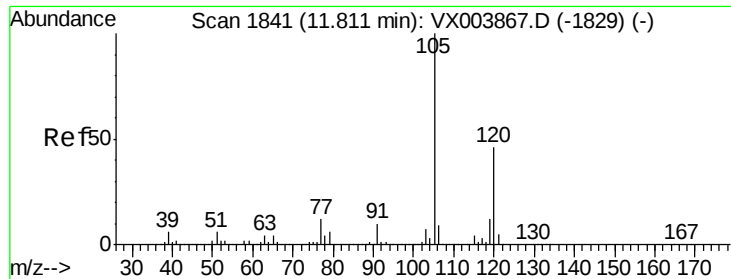
126 5.1 15.6 46.7#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#84

1,2,4-Trimethylbenzene

Concen: 16.41 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX003943.D

Acq: 09 Aug 2018 11:57

Instrument :

MSVOA_X

ClientSampleId :

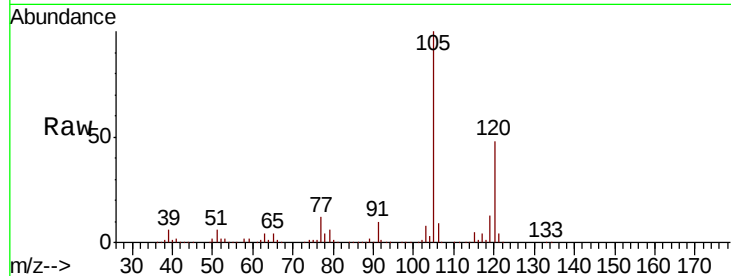
FL-0554DL

Tot Ion:105 Resp: 287471

Ion Ratio Lower Upper

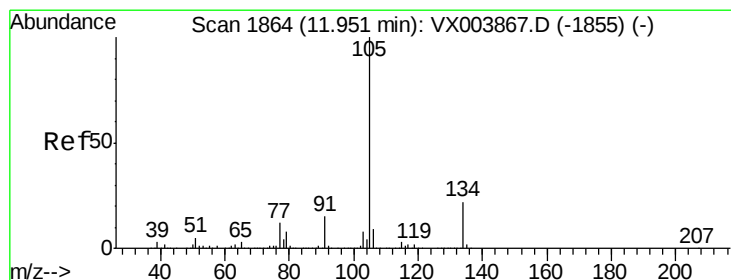
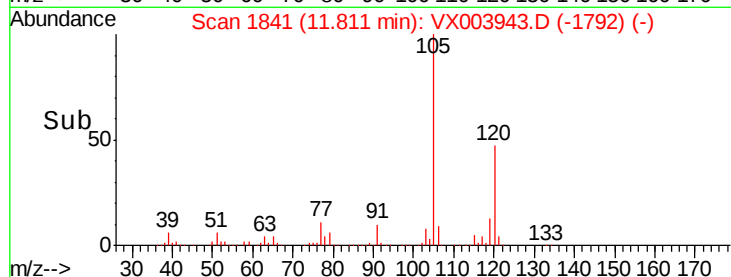
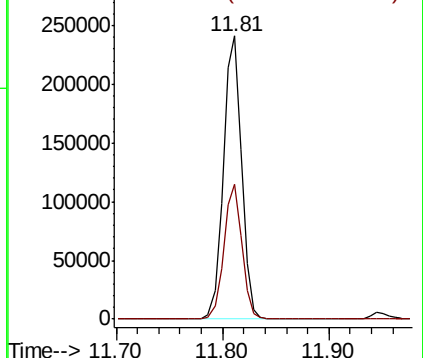
105 100

120 47.3 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 14.21 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.14 min

Lab File: VX003943.D

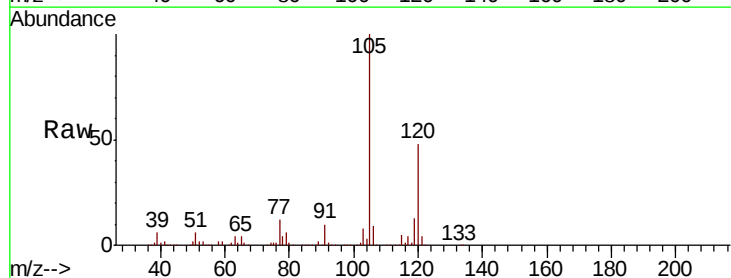
Acq: 09 Aug 2018 11:57

Tgt Ion:105 Resp: 287471

Ion Ratio Lower Upper

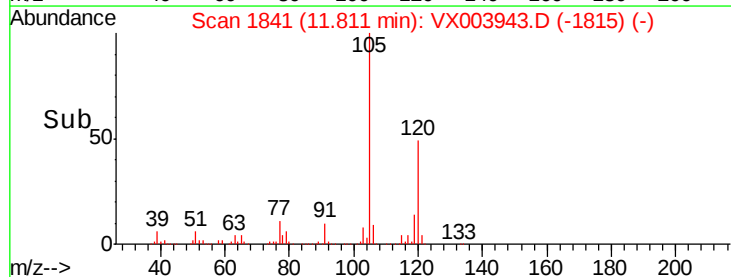
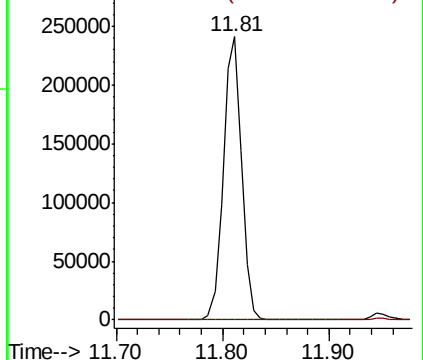
105 100

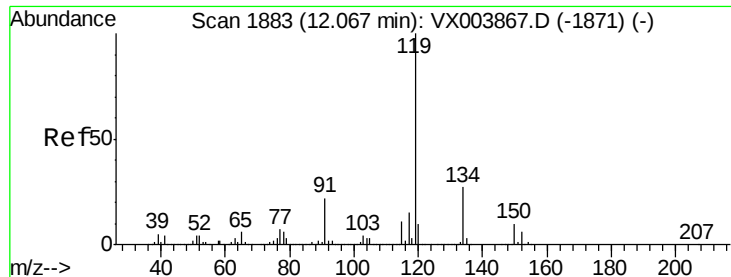
134 0.0 10.3 30.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

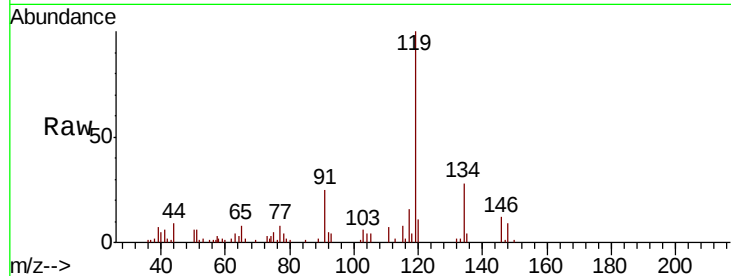




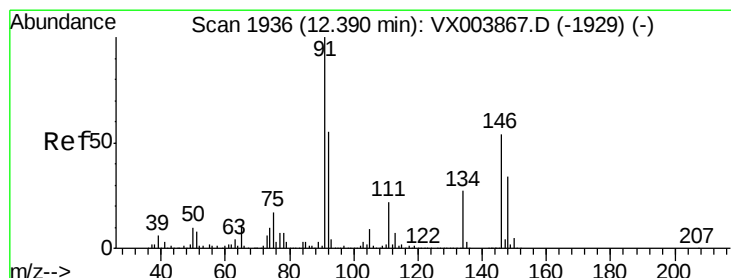
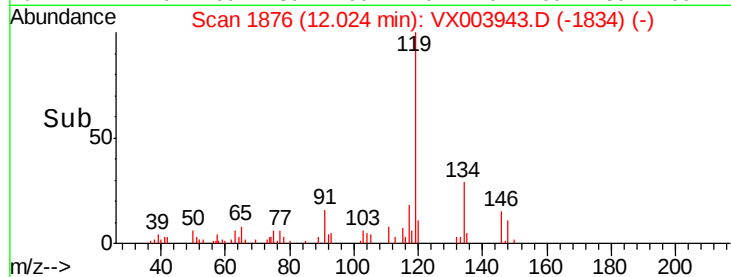
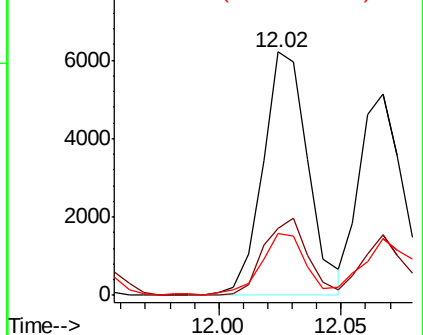
#86
p-Isopropyltoluene
Concen: 0.44 ug/l
RT: 12.02 min Scan# 1876
Delta R.T. -0.04 min
Lab File: VX003943.D
Acq: 09 Aug 2018 11:57

Instrument :
MSVOA_X
ClientSampleId :
FL-0554DL

Tot Ion: 119 Resp: 8042
Ion Ratio Lower Upper
119 100
134 30.9 13.3 39.8
91 25.0 10.9 32.7

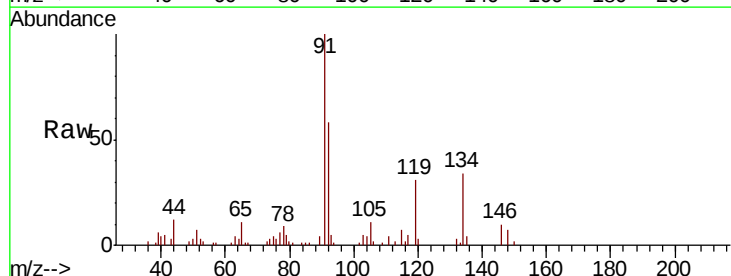


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

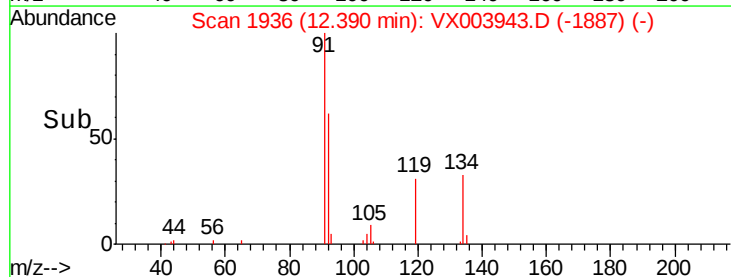
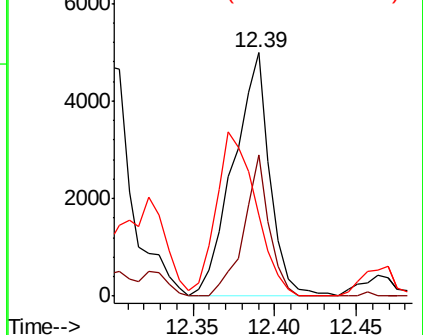


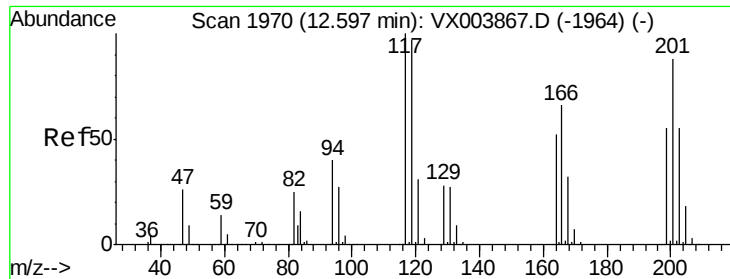
#89
n-Butylbenzene
Concen: 0.49 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003943.D
Acq: 09 Aug 2018 11:57

Tgt Ion: 91 Resp: 7775
Ion Ratio Lower Upper
91 100
92 40.6 27.1 81.3
134 73.5 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: 0.28 ug/l

RT: 12.59 min Scan# 1968

Delta R.T. -0.01 min

Lab File: VX003943.D

Acq: 09 Aug 2018 11:57

Instrument :

MSVOA_X

ClientSampleId :

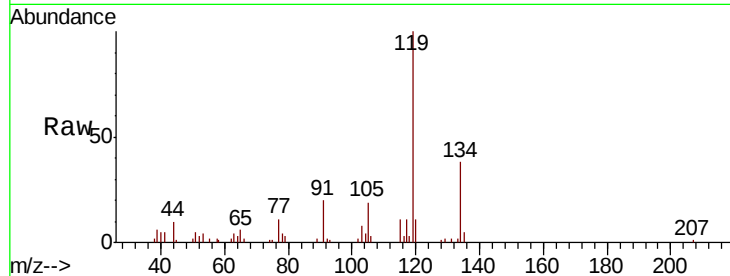
FL-0554DL

Tot Ion:117 Resp: 826

Ion Ratio Lower Upper

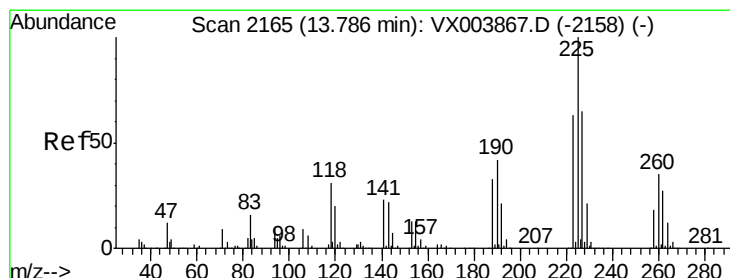
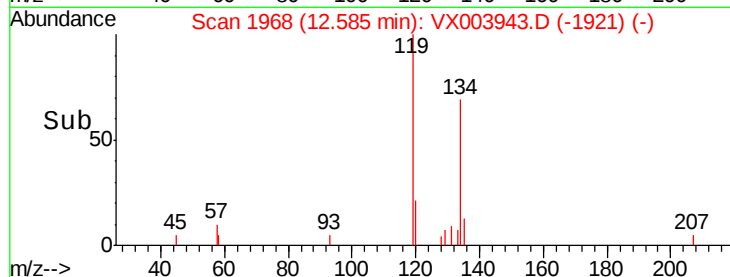
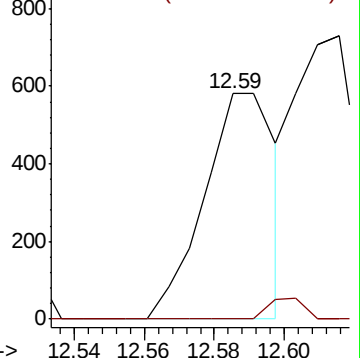
117 100

201 4.6 46.1 138.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#94

Hexachlorobutadiene

Concen: 0.70 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX003943.D

Acq: 09 Aug 2018 11:57

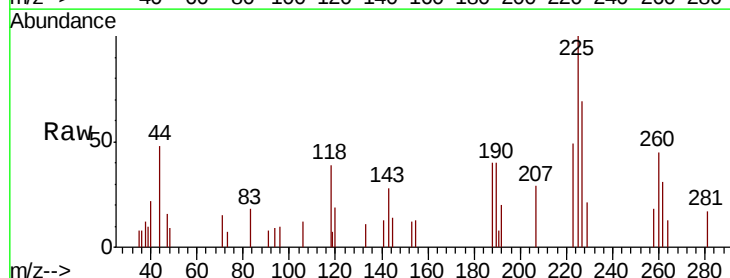
Tgt Ion:225 Resp: 886

Ion Ratio Lower Upper

225 100

223 56.0 31.4 94.0

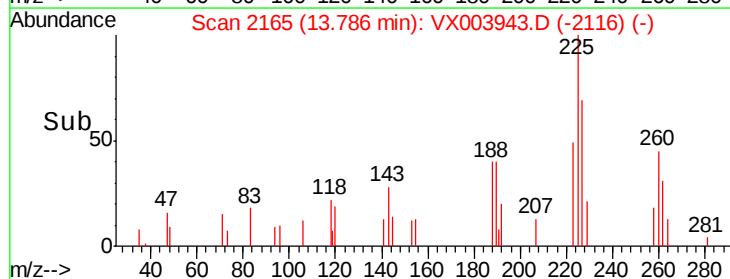
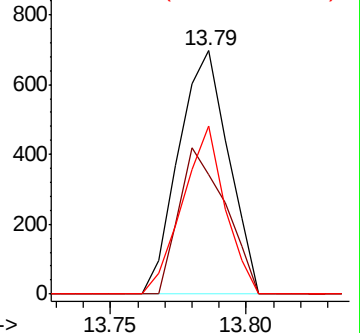
227 59.3 32.1 96.5

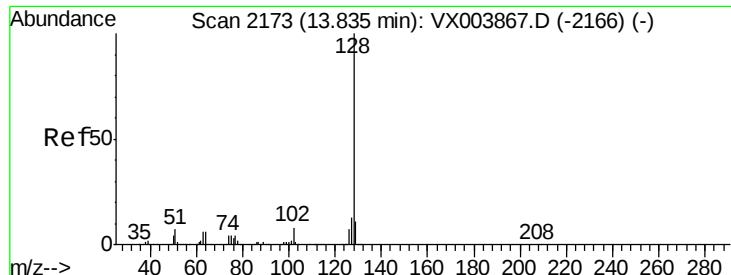


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 5.12 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003943.D

Acq: 09 Aug 2018 11:57

Instrument :

MSVOA_X

ClientSampleId :

FL-0554DL

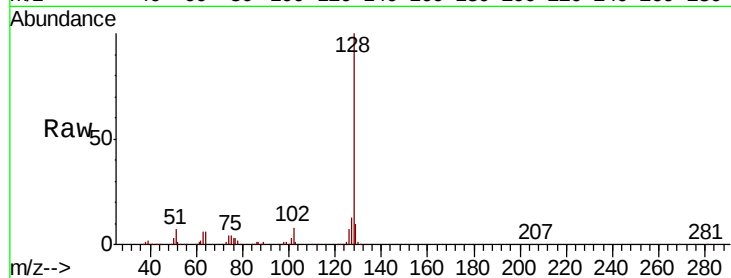
Tot Ion:128 Resp: 110146

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

129 10.8 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

