

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080918\
 Data File : VX003945.D
 Acq On : 09 Aug 2018 12:50
 Operator : JC/MD
 Sample : J4387-07DL 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0555DL

Quant Time: Aug 10 01:01:43 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	325391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	504371	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	465567	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	259051	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	214971	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
35) Dibromofluoromethane	5.50	113	182102	47.66	ug/l	0.00
Spiked Amount			Recovery	=	95.32%	
50) Toluene-d8	8.72	98	701996	47.24	ug/l	0.00
Spiked Amount			Recovery	=	94.48%	
62) 4-Bromofluorobenzene	11.14	95	256923	53.44	ug/l	0.00
Spiked Amount			Recovery	=	106.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1152	Below Cal		94
6) Chloroethane	1.72	64	6832	2.39 ug/l	#	49
10) Methyl Iodide	2.52	142	1004	0.22 ug/l		98
11) Tert butyl alcohol	3.03	59	1207	1.16 ug/l	#	73
13) Acrolein	2.25	56	312	Below Cal	#	1
14) Allyl chloride	2.84	41	2010	0.30 ug/l	#	78
15) Acrylonitrile	3.16	53	1320	0.53 ug/l	#	34
16) Acetone	2.45	43	2077	0.81 ug/l		99
17) Carbon Disulfide	2.56	76	1423	0.58 ug/l	#	74
18) Methyl Acetate	2.84	43	4875	0.87 ug/l	#	52
20) Methylene Chloride	2.86	84	1514	Below Cal	#	86
25) 2-Butanone	4.70	43	843	0.22 ug/l	#	48
29) Tetrahydrofuran	5.17	42	496	0.25 ug/l	#	49
31) Cyclohexane	5.57	56	53306	8.57 ug/l		98
36) 1,1-Dichloropropene	5.67	75	22206	3.93 ug/l	#	49
38) Carbon Tetrachloride	5.67	117	28817	5.36 ug/l	#	14
39) Methylcyclohexane	7.46	83	37193	5.58 ug/l		94
48) Methyl methacrylate	7.74	41	1753	0.37 ug/l	#	67
51) 4-Methyl-2-Pentanone	8.71	43	2715	0.35 ug/l	#	1
52) Toluene	8.79	92	1424833	132.94 ug/l		99
53) t-1,3-Dichloropropene	8.79	75	15443	2.55 ug/l	#	1
55) 1,1,2-Trichloroethane	9.16	97	1112	0.25 ug/l	#	20
67) Ethyl Benzene	10.26	91	416340	21.00 ug/l		99
68) m/p-Xylenes	10.36	106	539274	69.60 ug/l		96
69) o-Xylene	10.70	106	255518	34.93 ug/l		97
70) Styrene	10.70	104	13056	1.09 ug/l	#	1
73) Isopropylbenzene	11.02	105	29061	1.52 ug/l		94
76) 1,2,3-Trichloropropane	11.14	75	123003	21.50 ug/l	#	36
78) n-propylbenzene	11.36	91	36709	1.71 ug/l		98
79) 2-Chlorotoluene	11.44	91	19714	1.50 ug/l	#	40
80) 1,3,5-Trimethylbenzene	11.51	105	58490	3.74 ug/l		99
81) trans-1,4-Dichloro-2-buten	11.14	75	123003	58.10 ug/l	#	9
82) 4-Chlorotoluene	11.51	91	6557	0.43 ug/l	#	50
83) tert-Butylbenzene	12.02	119	4514	0.29 ug/l		70

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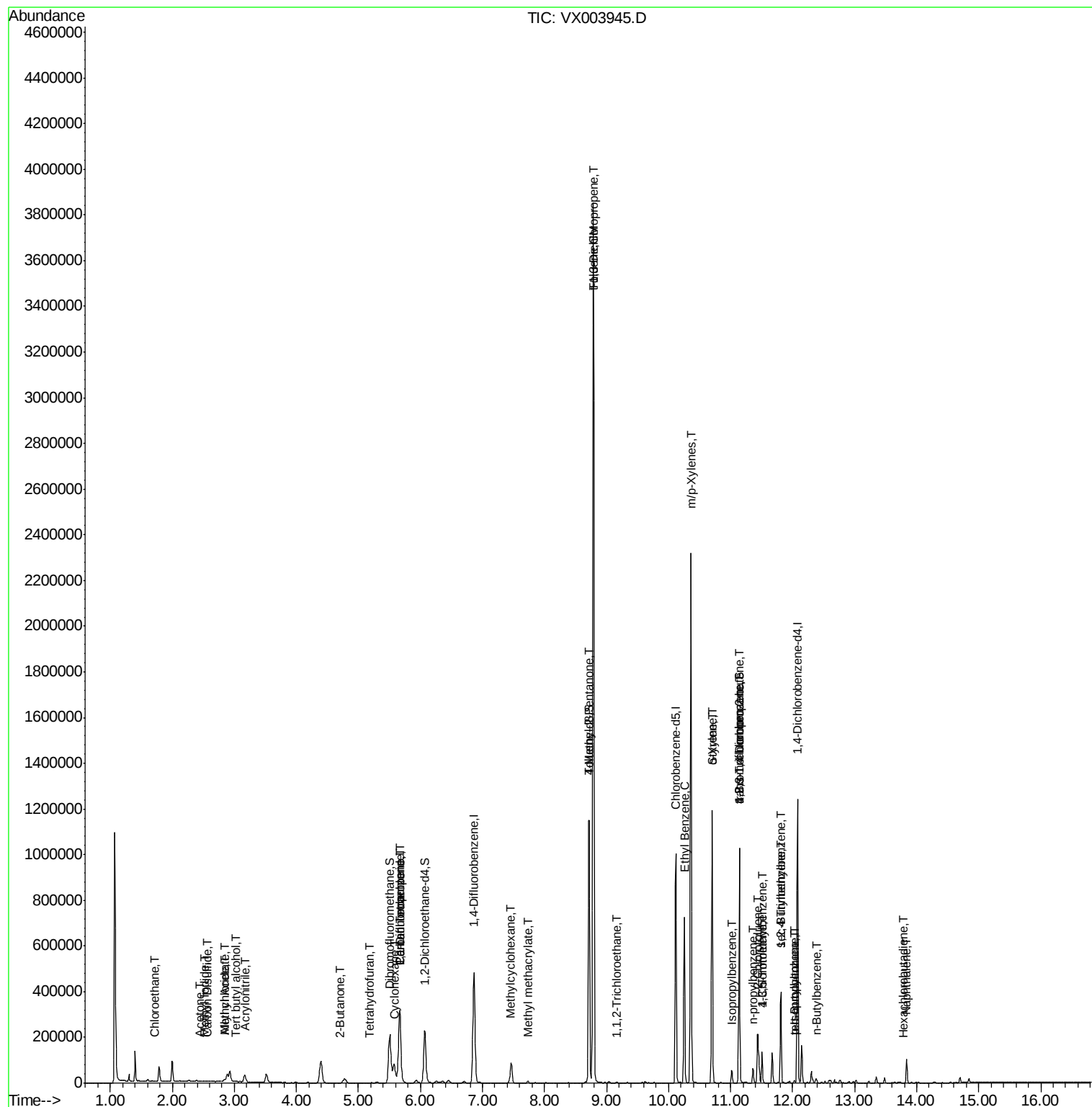
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	11.81	105	172480	10.98	ug/l	98
85) sec-Butylbenzene	11.81	105	172442	9.51	ug/l #	56
86) p-Isopropyltoluene	12.02	119	4514	0.28	ug/l	90
88) 1,4-Dichlorobenzene	12.02	146	532	Below	Cal	96
89) n-Butylbenzene	12.39	91	4057	0.29	ug/l #	45
94) Hexachlorobutadiene	13.79	225	221	0.51	ug/l	88
95) Naphthalene	13.83	128	66853	3.46	ug/l	100

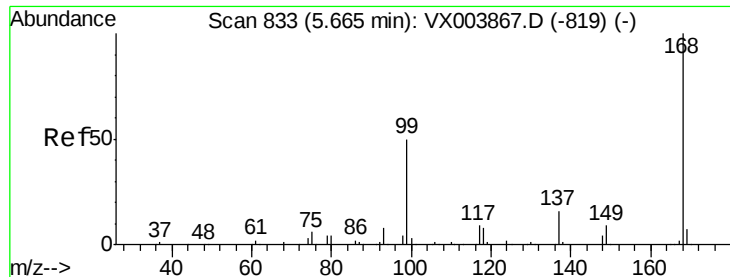
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX003945.D

Acq: 09 Aug 2018 12:50

Instrument :

MSVOA_X

ClientSampleId :

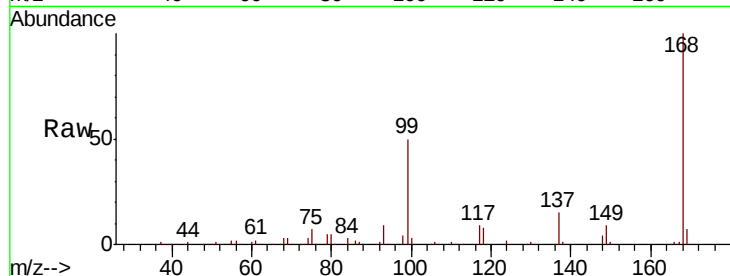
FL-0555DL

Tot Ion:168 Resp: 325391

Ion Ratio Lower Upper

168 100

99 49.7 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

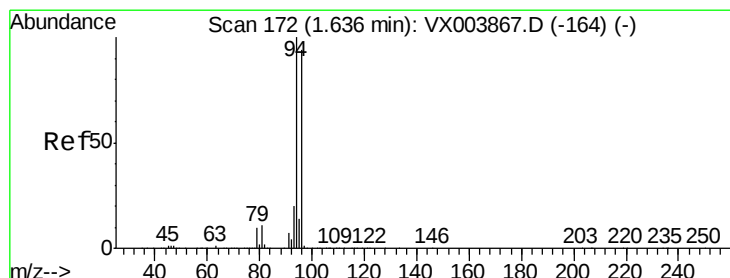
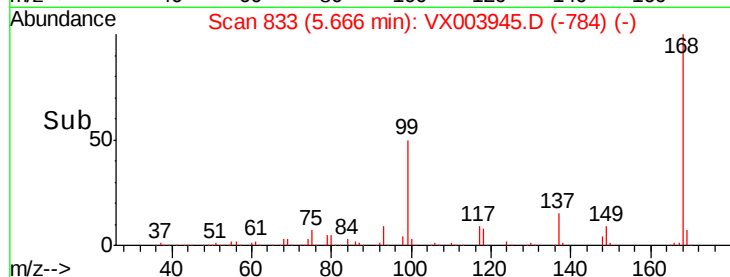
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003945.D

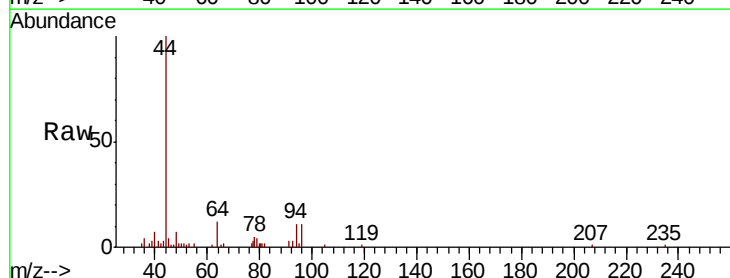
Acq: 09 Aug 2018 12:50

Tgt Ion: 94 Resp: 1152

Ion Ratio Lower Upper

94 100

96 99.8 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

600

500

400

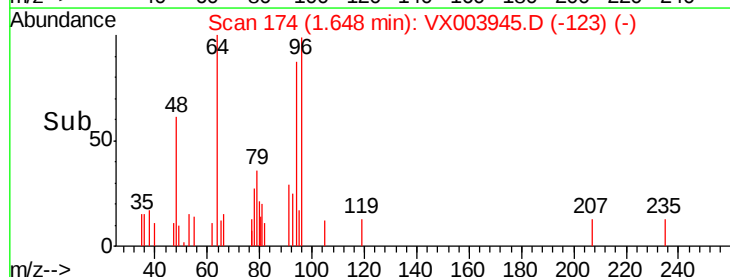
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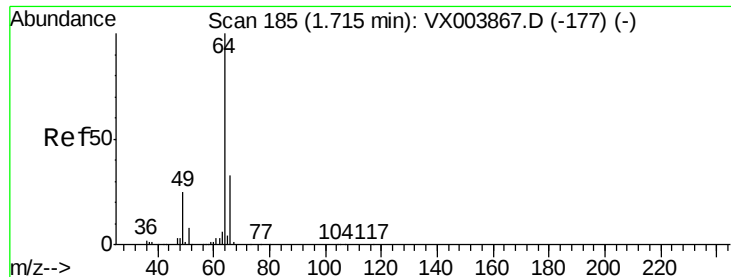
200

100

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 2.39 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003945.D

Acq: 09 Aug 2018 12:50

Instrument :

MSVOA_X

ClientSampleId :

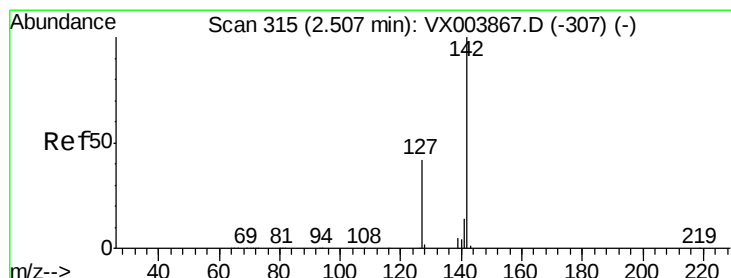
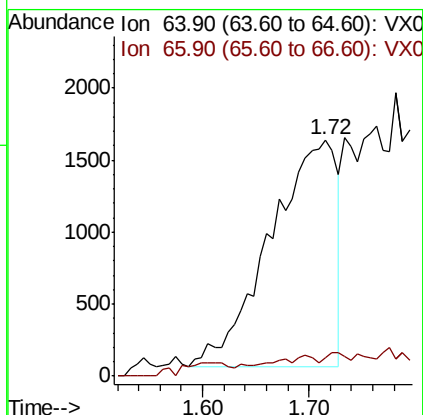
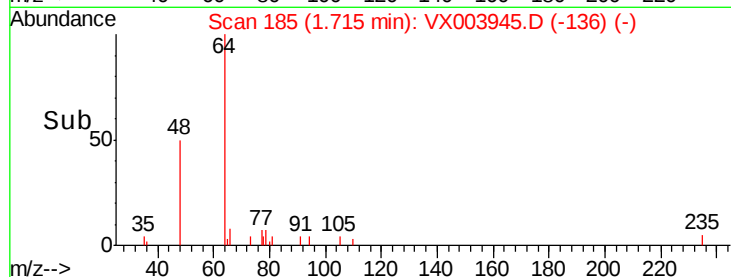
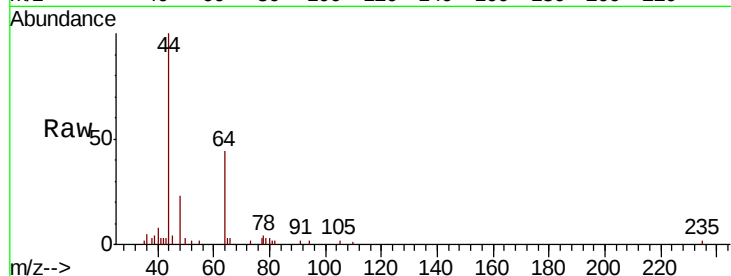
FL-0555DL

Tot Ion: 64 Resp: 6832

Ion Ratio Lower Upper

64 100

66 4.2 26.5 39.7#



#10

Methyl Iodide

Concen: 0.22 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003945.D

Acq: 09 Aug 2018 12:50

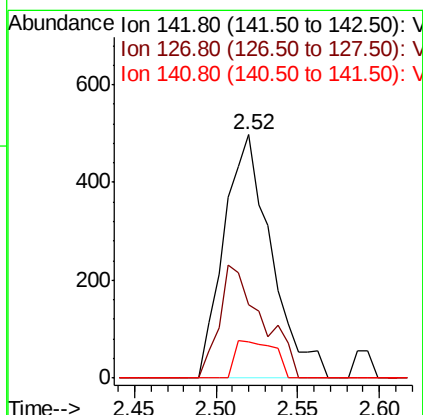
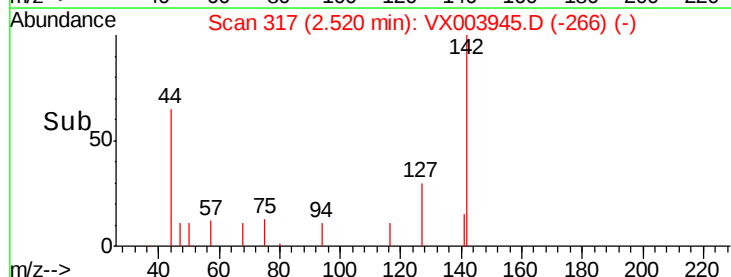
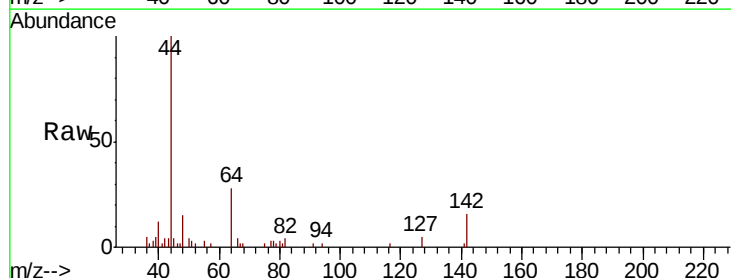
Tgt Ion: 142 Resp: 1004

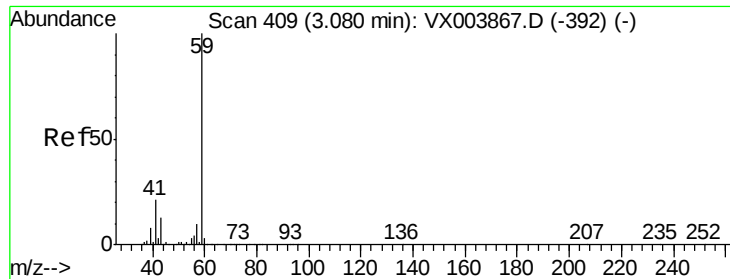
Ion Ratio Lower Upper

142 100

127 42.0 33.1 49.7

141 12.6 11.1 16.7





#11

Tert butyl alcohol

Concen: 1.16 ug/l

RT: 3.03 min Scan# 400

Delta R.T. -0.05 min

Lab File: VX003945.D

Acq: 09 Aug 2018 12:50

Instrument :

MSVOA_X

ClientSampled :

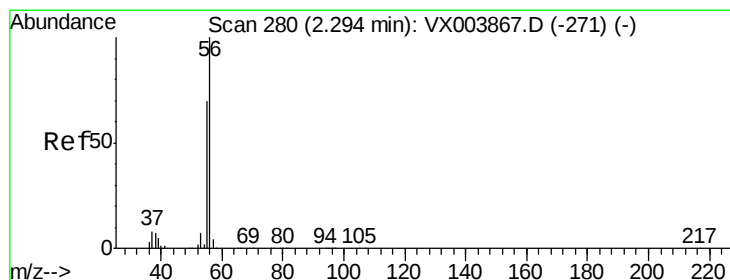
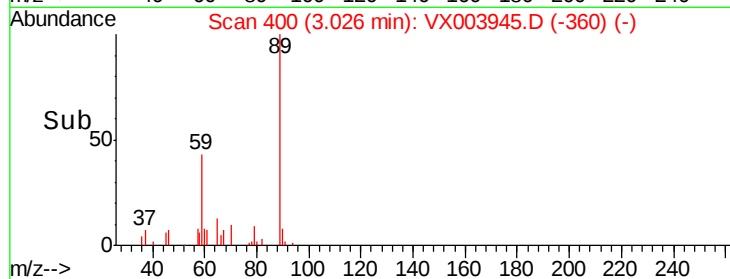
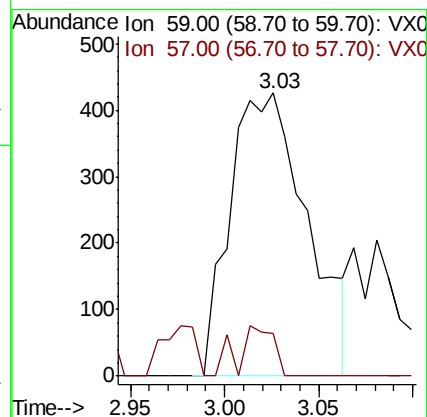
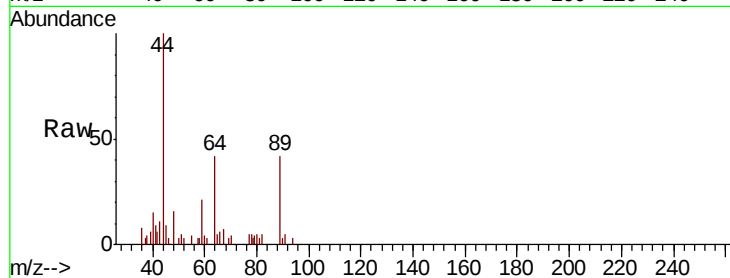
FL-0555DL

Tot Ion: 59 Resp: 1207

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#13

Acrolein

Concen: Below Cal

RT: 2.25 min Scan# 273

Delta R.T. -0.04 min

Lab File: VX003945.D

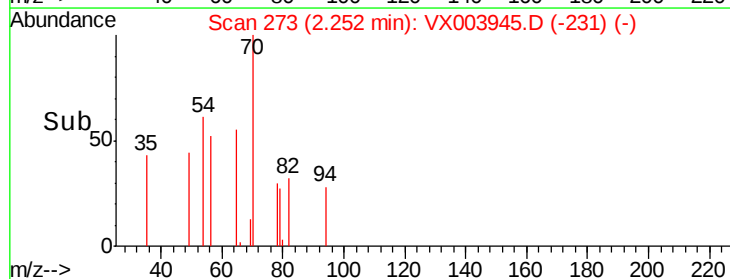
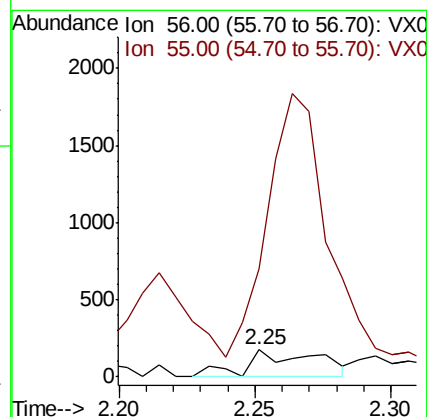
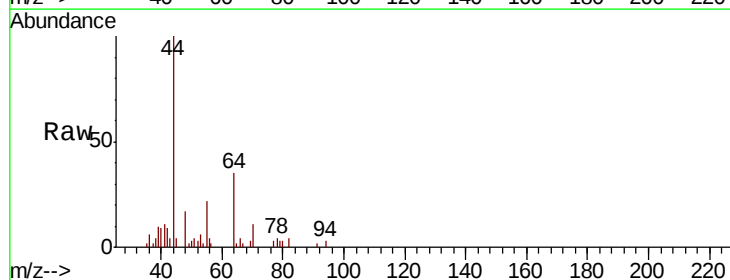
Acq: 09 Aug 2018 12:50

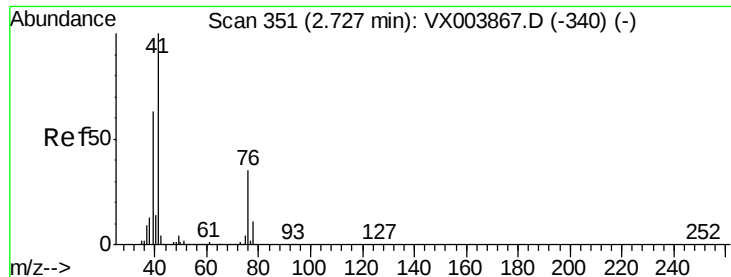
Tgt Ion: 56 Resp: 312

Ion Ratio Lower Upper

56 100

55 951.6 56.1 84.1#

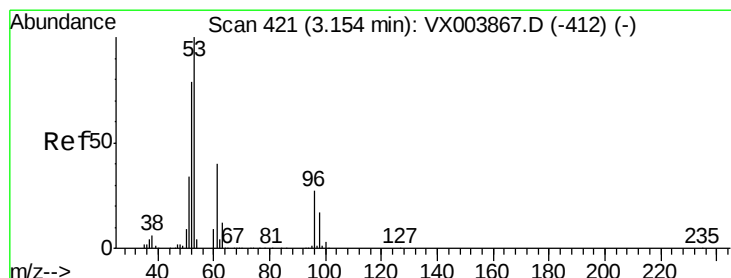
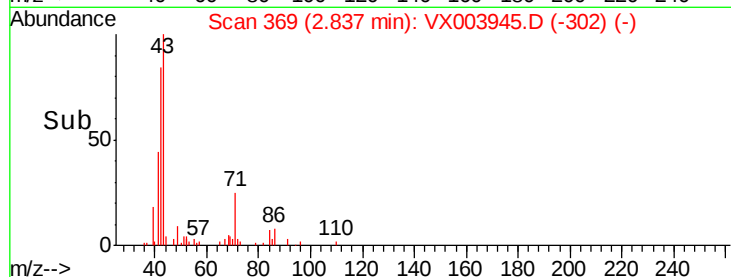
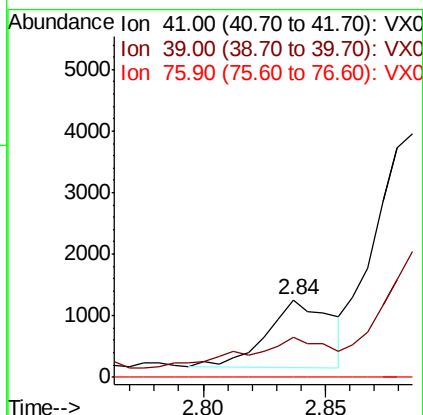
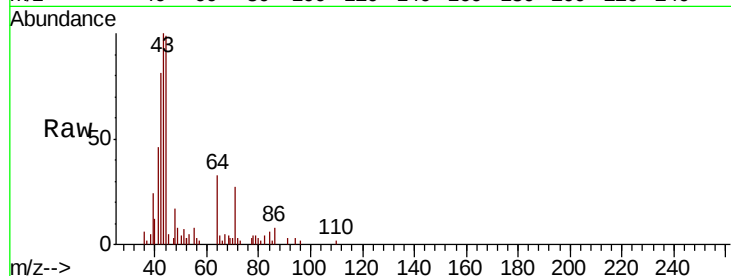




#14
 Allvl chloride
 Concen: 0.30 ug/l
 RT: 2.84 min Scan# 369
 Delta R.T. 0.11 min
 Lab File: VX003945.D
 Acq: 09 Aug 2018 12:50

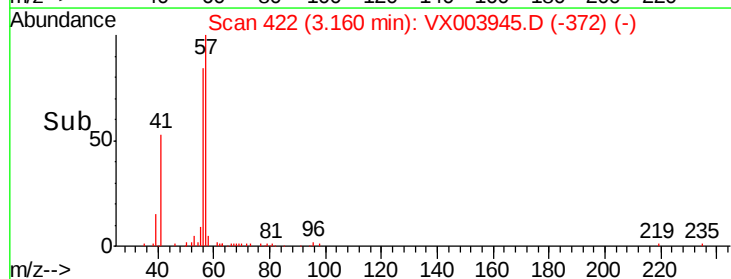
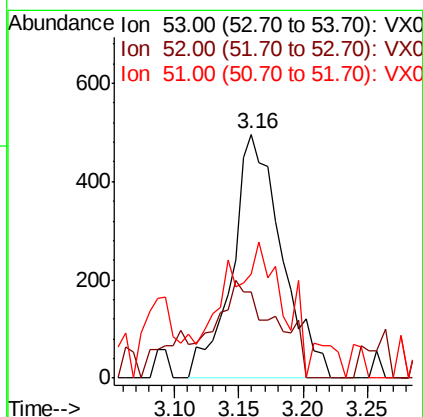
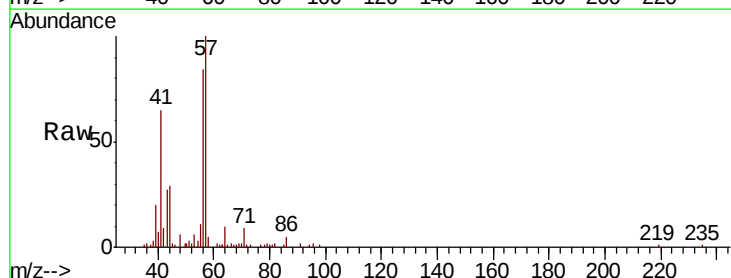
Instrument :
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 ClientSampled :
 FL-0555DL

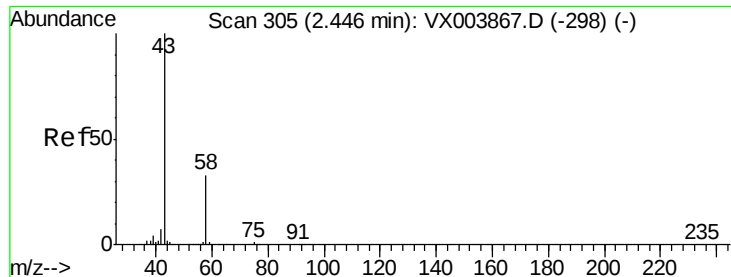
Tot Ion: 41 Resp: 2010
 Ion Ratio Lower Upper
 41 100
 39 57.3 47.4 71.0
 76 0.0 26.0 39.0#



#15
 Acrylonitrile
 Concen: 0.53 ug/l
 RT: 3.16 min Scan# 422
 Delta R.T. 0.01 min
 Lab File: VX003945.D
 Acq: 09 Aug 2018 12:50

Tgt Ion: 53 Resp: 1320
 Ion Ratio Lower Upper
 53 100
 52 0.0 65.3 97.9#
 51 31.9 27.9 41.9





#16

Acetone

Concen: 0.81 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003945.D

Acq: 09 Aug 2018 12:50

Instrument :

MSVOA_X

ClientSampled :

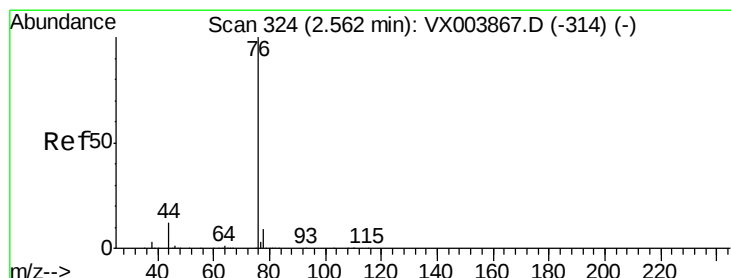
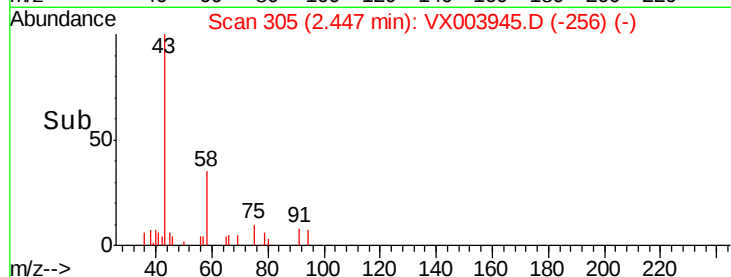
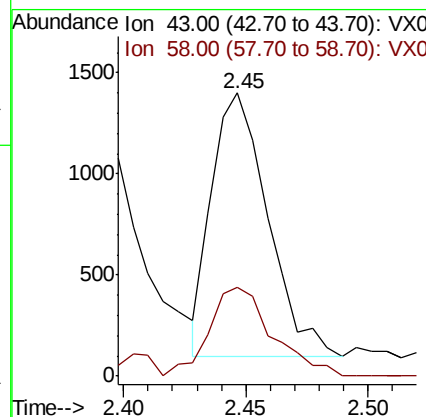
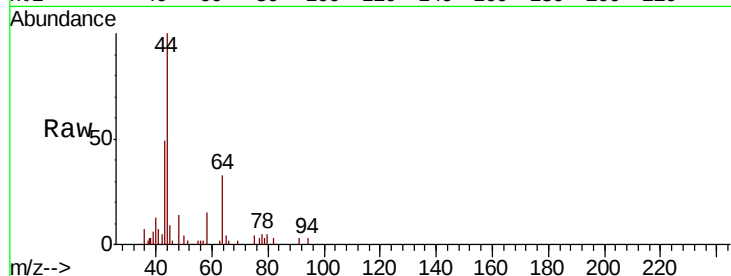
FL-0555DL

Tot Ion: 43 Resp: 2077

Ion Ratio Lower Upper

43 100

58 33.7 26.4 39.6



#17

Carbon Disulfide

Concen: 0.58 ug/l

RT: 2.56 min Scan# 324

Delta R.T. 0.00 min

Lab File: VX003945.D

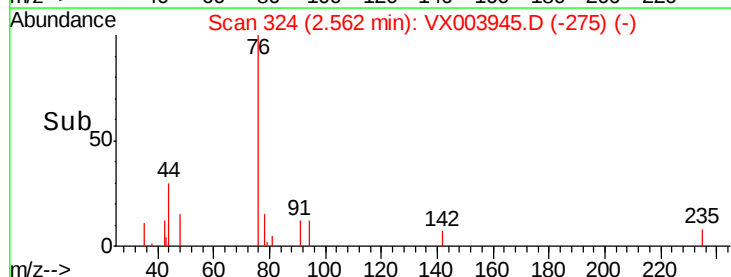
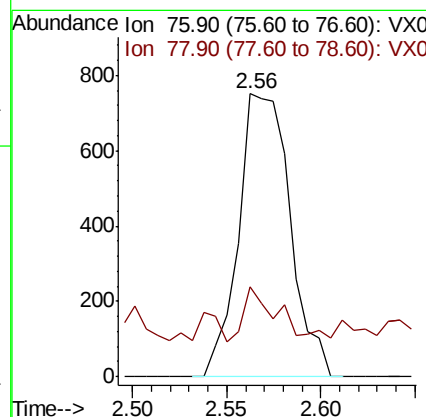
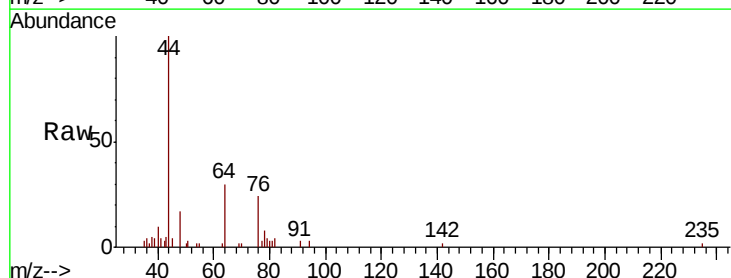
Acq: 09 Aug 2018 12:50

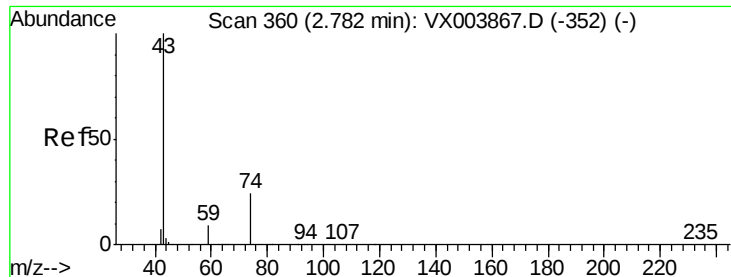
Tgt Ion: 76 Resp: 1423

Ion Ratio Lower Upper

76 100

78 19.0 7.5 11.3#

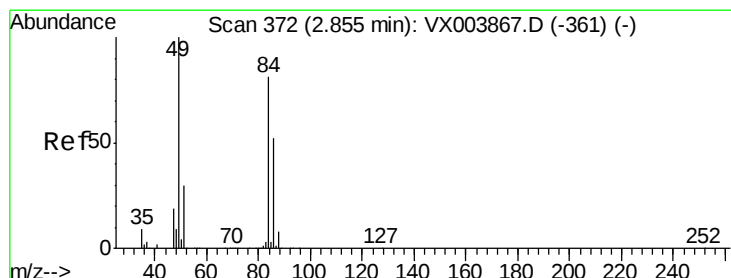
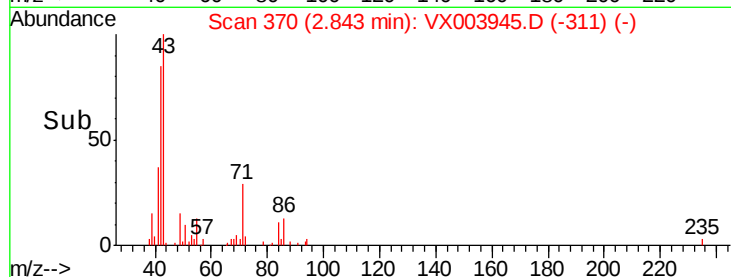
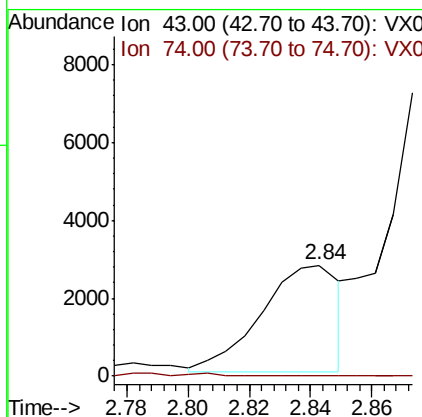
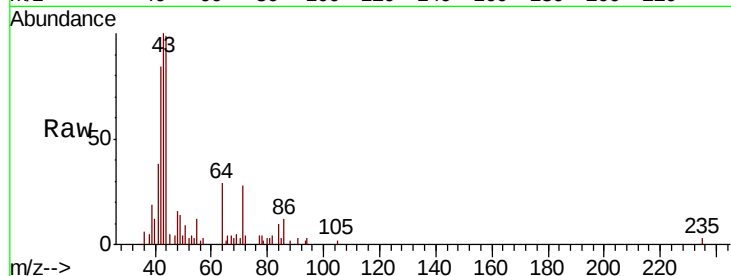




#18
Methyl Acetate
Concen: 0.87 ug/l
RT: 2.84 min Scan# 370
Delta R.T. 0.06 min
Lab File: VX003945.D
Acq: 09 Aug 2018 12:50

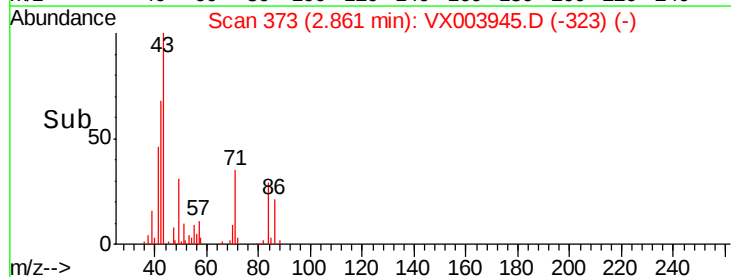
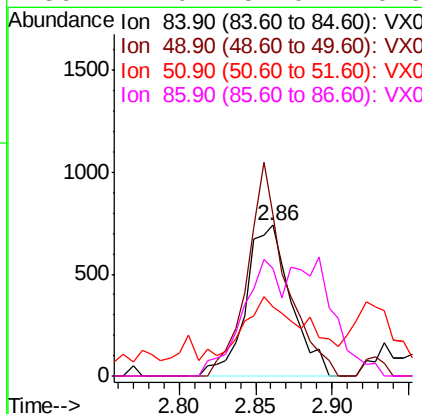
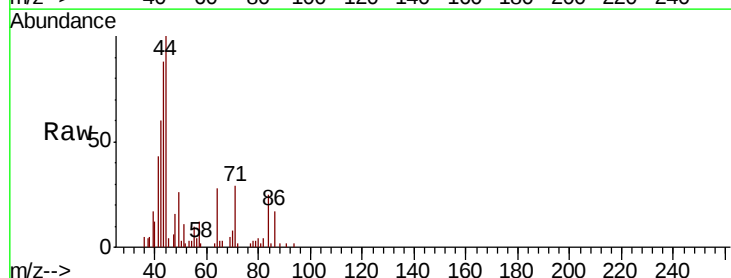
Instrument :
MSVOA_X
ClientSampleID :
FL-0555DL

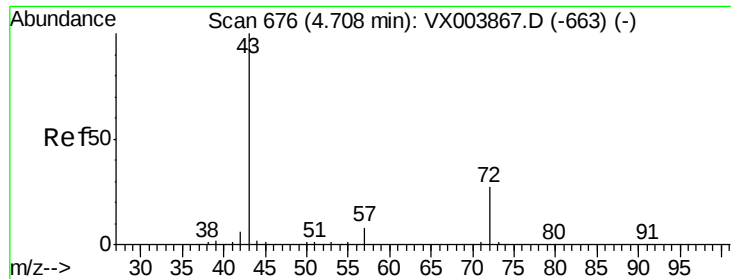
Tot Ion: 43 Resp: 4875
Ion Ratio Lower Upper
43 100
74 0.0 18.9 28.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003945.D
Acq: 09 Aug 2018 12:50

Tgt Ion: 84 Resp: 1514
Ion Ratio Lower Upper
84 100
49 107.0 98.9 148.3
51 26.7 29.9 44.9#
86 71.0 51.0 76.6





#25

2-Butanone

Concen: 0.22 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX003945.D

Acq: 09 Aug 2018 12:50

Instrument :

MSVOA_X

ClientSampled :

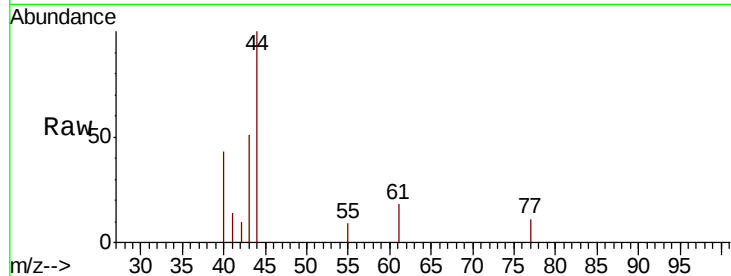
FL-0555DL

Tot Ion: 43 Resp: 843

Ion Ratio Lower Upper

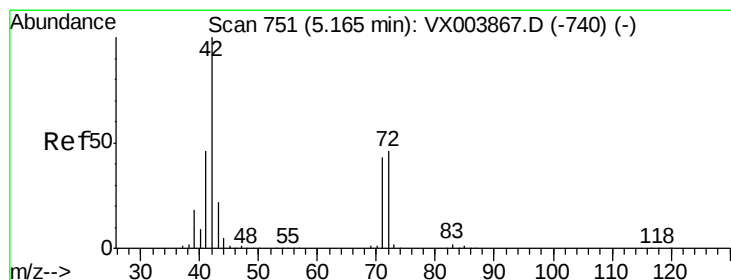
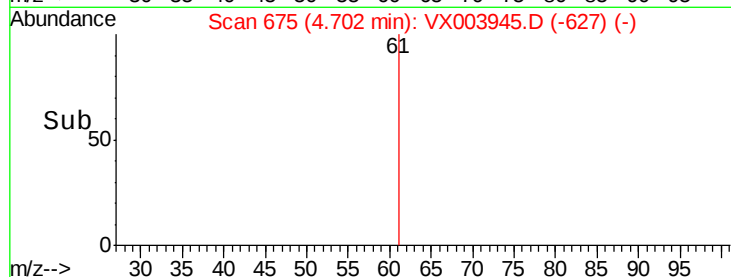
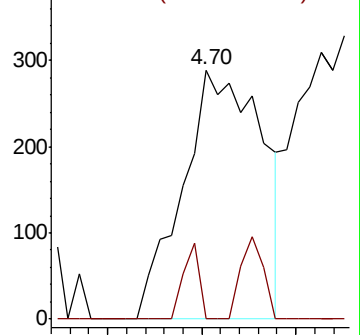
43 100

72 0.0 21.4 32.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.25 ug/l

RT: 5.17 min Scan# 751

Delta R.T. 0.00 min

Lab File: VX003945.D

Acq: 09 Aug 2018 12:50

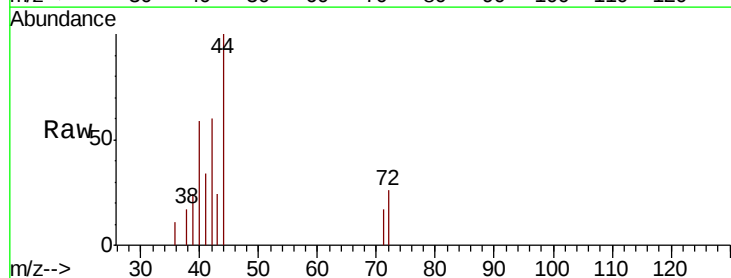
Tgt Ion: 42 Resp: 496

Ion Ratio Lower Upper

42 100

72 87.7 37.7 56.5#

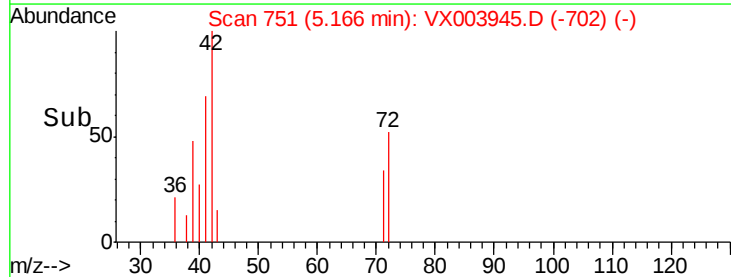
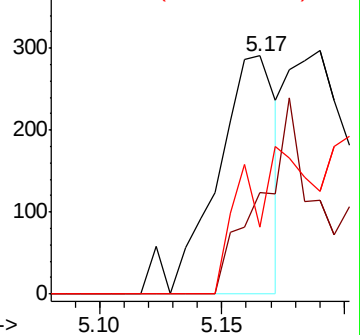
71 70.4 35.0 52.6#

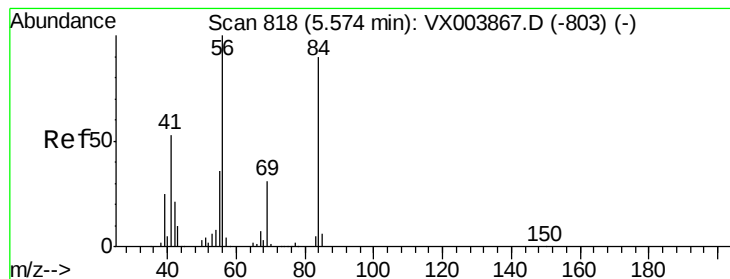


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 8.57 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003945.D

Acq: 09 Aug 2018 12:50

Instrument :

MSVOA_X

ClientSampleId :

FL-0555DL

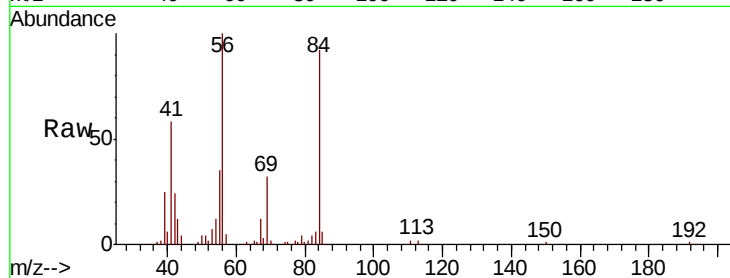
Tot Ion: 56 Resp: 53306

Ion Ratio Lower Upper

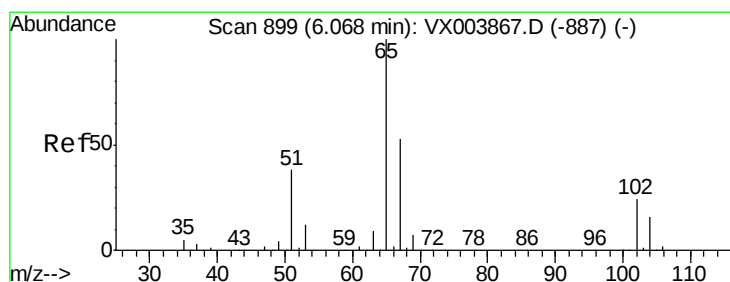
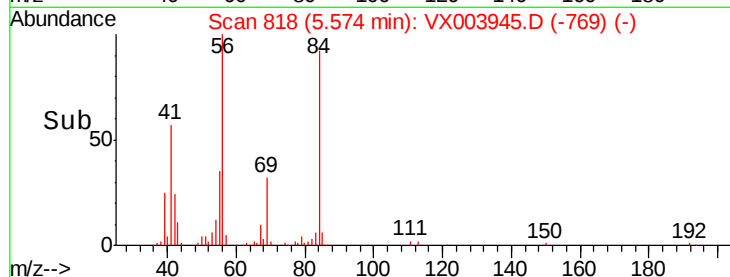
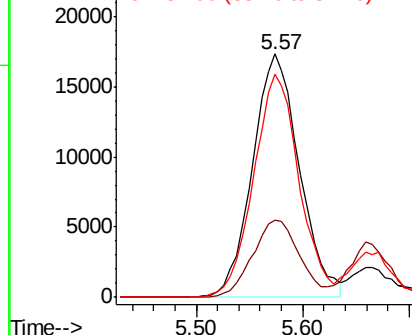
56 100

69 31.4 24.9 37.3

84 91.8 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: 49.84 ug/l

RT: 6.07 min Scan# 899

Delta R.T. 0.00 min

Lab File: VX003945.D

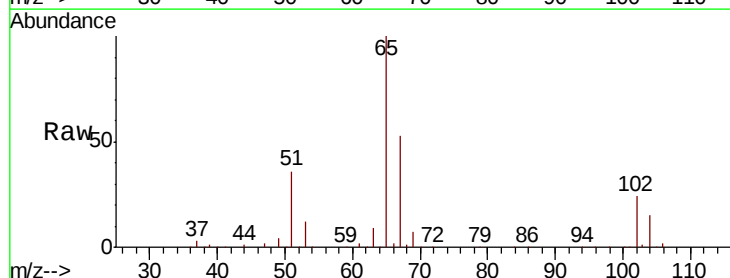
Acq: 09 Aug 2018 12:50

Tgt Ion: 65 Resp: 214971

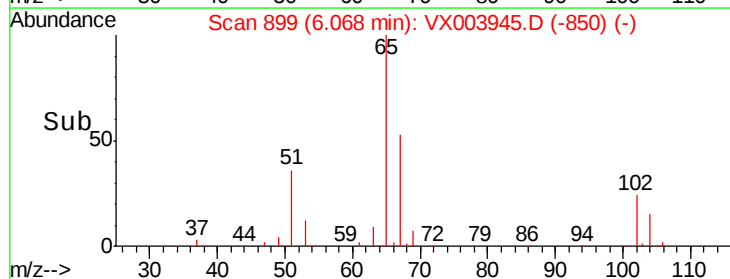
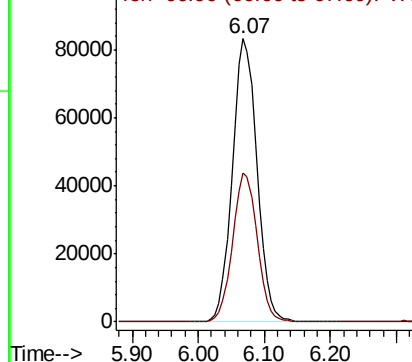
Ion Ratio Lower Upper

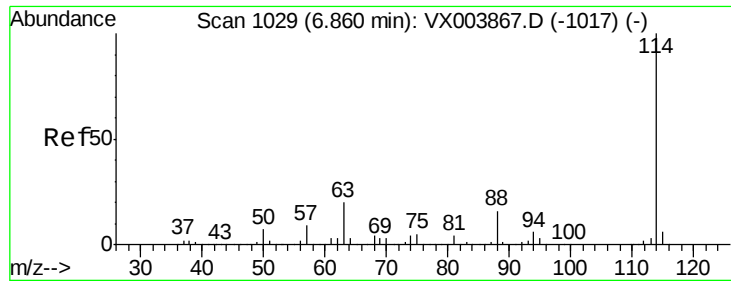
65 100

67 52.5 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: 6.86 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VX003945.D

Acq: 09 Aug 2018 12:50

Instrument :

MSVOA_X

ClientSampleId :

FL-0555DL

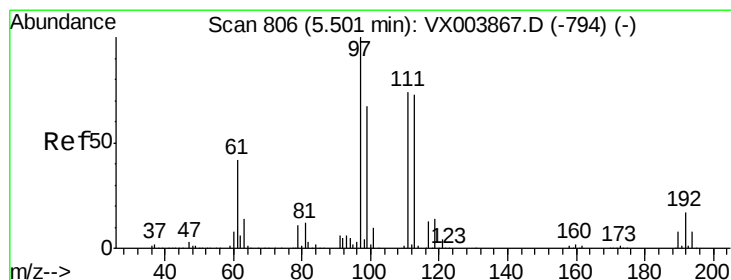
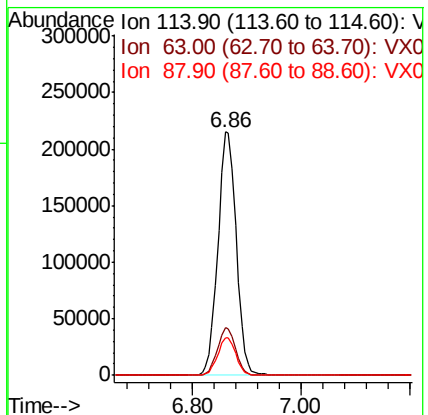
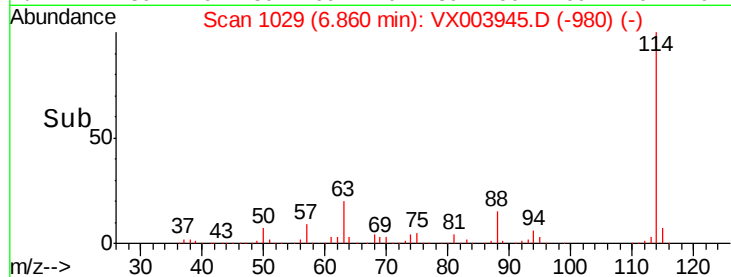
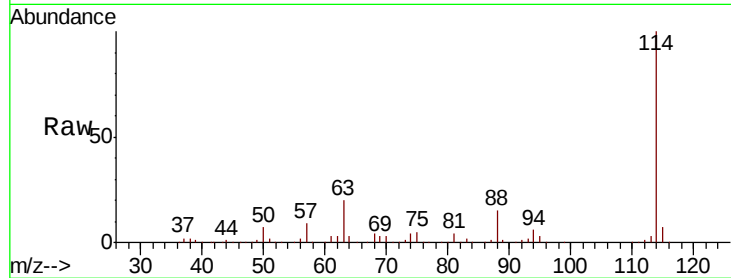
Tot Ion:114 Resp: 504371

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.0

88 15.3 0.0 32.0



#35

Dibromofluoromethane

Concen: 47.66 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX003945.D

Acq: 09 Aug 2018 12:50

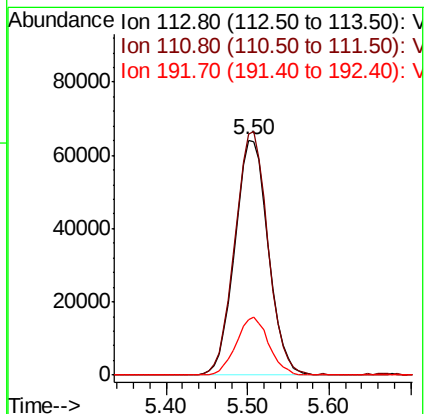
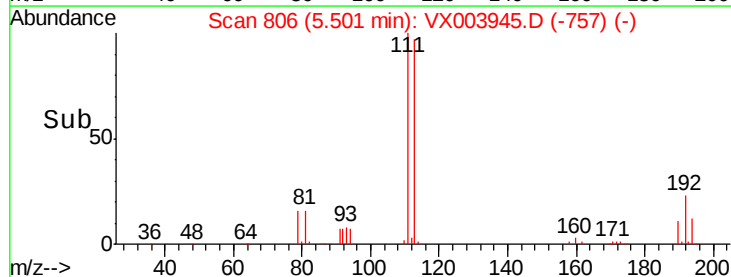
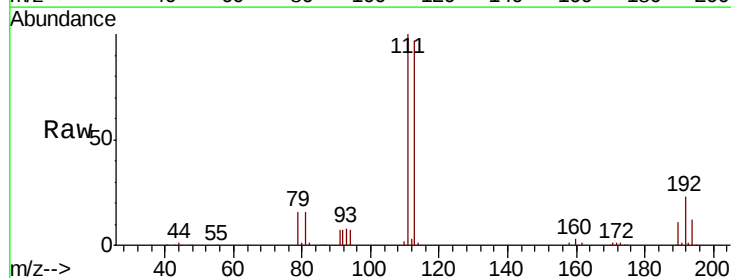
Tgt Ion:113 Resp: 182102

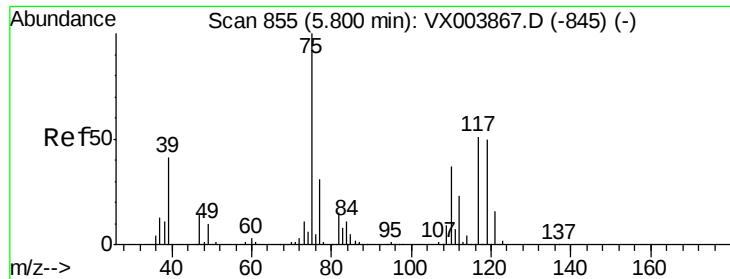
Ion Ratio Lower Upper

113 100

111 102.5 82.0 123.0

192 23.9 19.0 28.4





#36

1,1-Dichloropropene

Concen: 3.93 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX003945.D

Acq: 09 Aug 2018 12:50

Instrument :

MSVOA_X

ClientSampled :

FL-0555DL

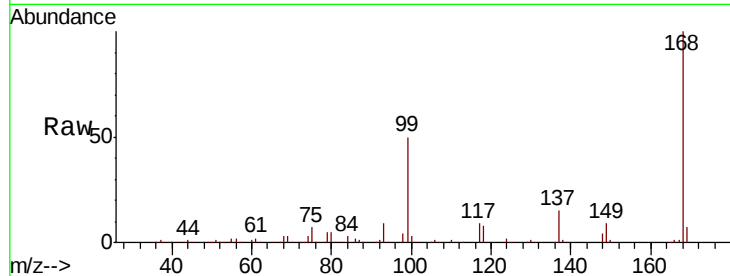
Tot Ion: 75 Resp: 22206

Ion Ratio Lower Upper

75 100

110 9.1 18.2 54.6#

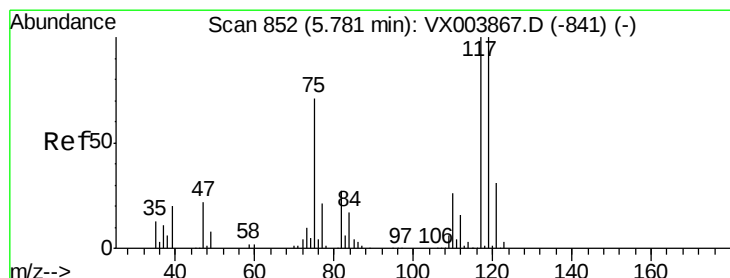
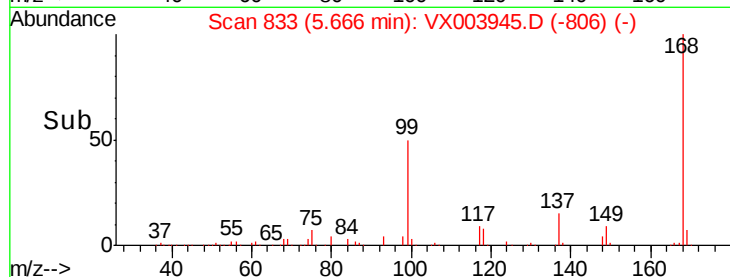
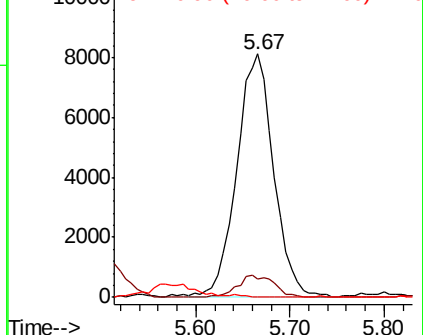
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 5.36 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003945.D

Acq: 09 Aug 2018 12:50

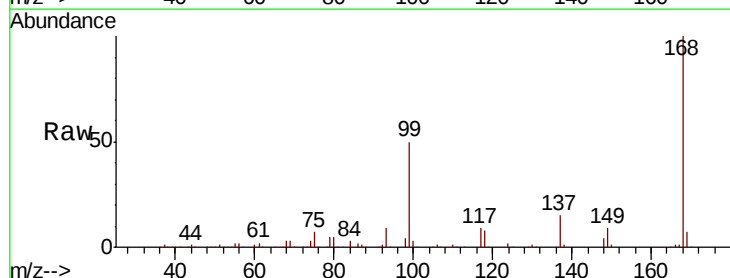
Tgt Ion:117 Resp: 28817

Ion Ratio Lower Upper

117 100

119 5.1 79.5 119.3#

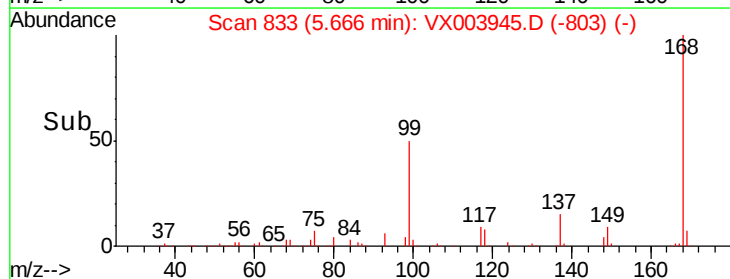
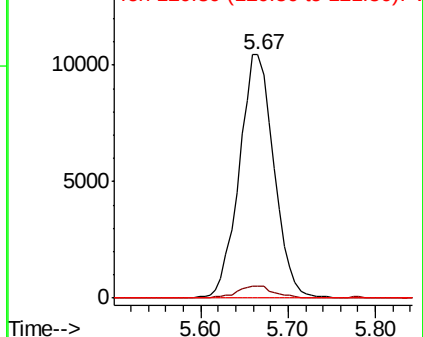
121 0.0 25.0 37.4#

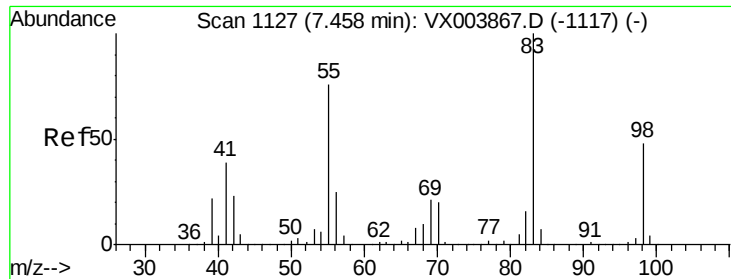


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

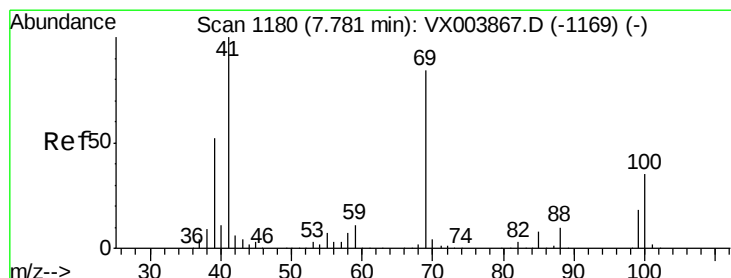
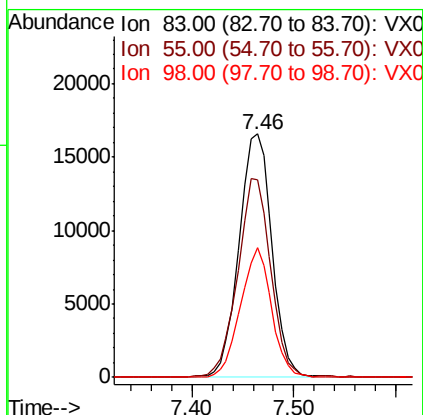
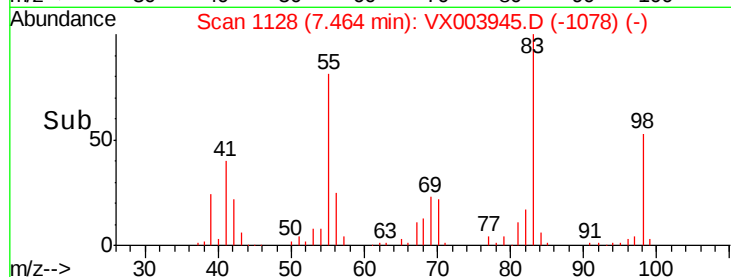
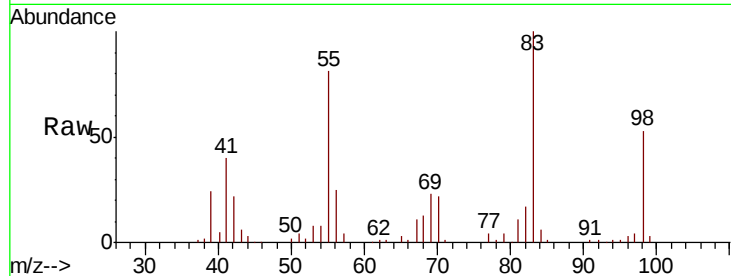




#39
Methylcyclohexane
Concen: 5.58 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX003945.D
Acq: 09 Aug 2018 12:50

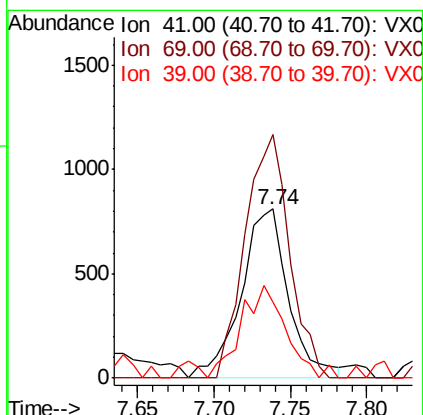
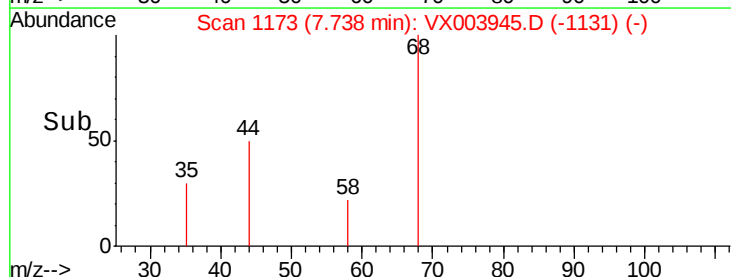
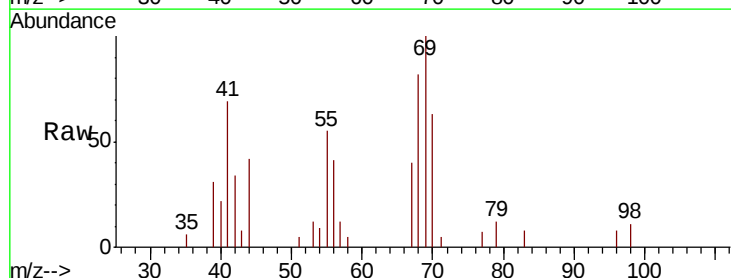
Instrument :
MSVOA_X
ClientSampleId :
FL-0555DL

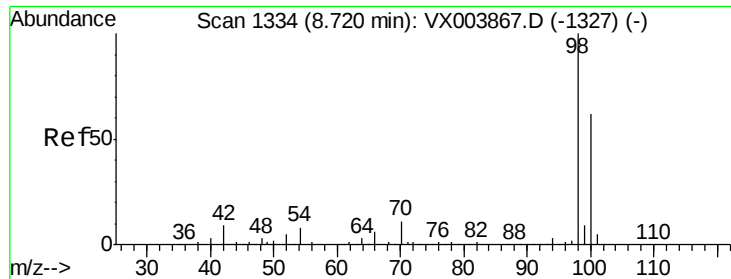
Tot Ion: 83 Resp: 37193
Ion Ratio Lower Upper
83 100
55 81.0 61.0 91.6
98 53.1 38.6 57.8



#48
Methyl methacrylate
Concen: 0.37 ug/l
RT: 7.74 min Scan# 1173
Delta R.T. -0.04 min
Lab File: VX003945.D
Acq: 09 Aug 2018 12:50

Tgt Ion: 41 Resp: 1753
Ion Ratio Lower Upper
41 100
69 133.9 68.8 103.2#
39 51.6 42.3 63.5





#50

Toluene-d8

Concen: 47.24 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003945.D

Acq: 09 Aug 2018 12:50

Instrument :

MSVOA_X

ClientSampleId :

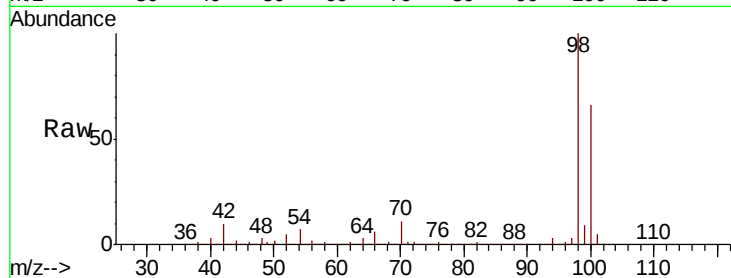
FL-0555DL

Tot Ion: 98 Resp: 701996

Ion Ratio Lower Upper

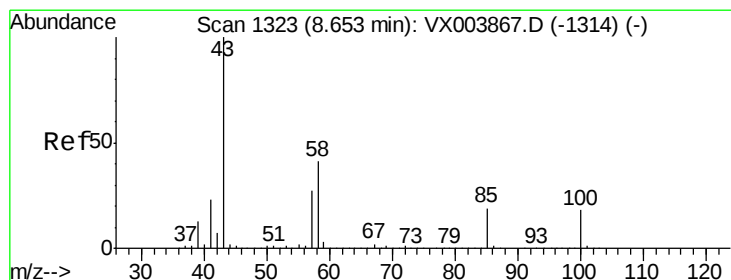
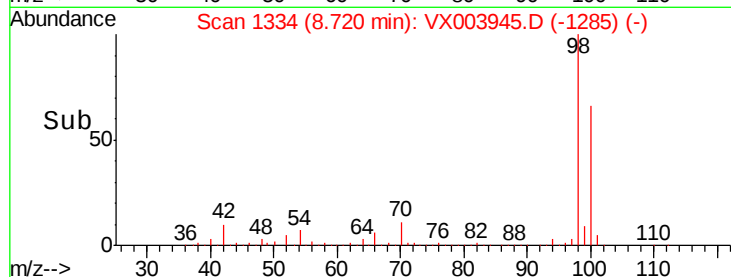
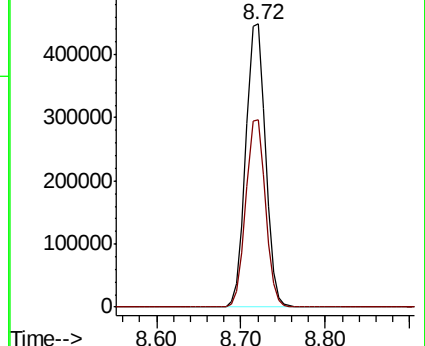
98 100

100 66.1 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 0.35 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. 0.06 min

Lab File: VX003945.D

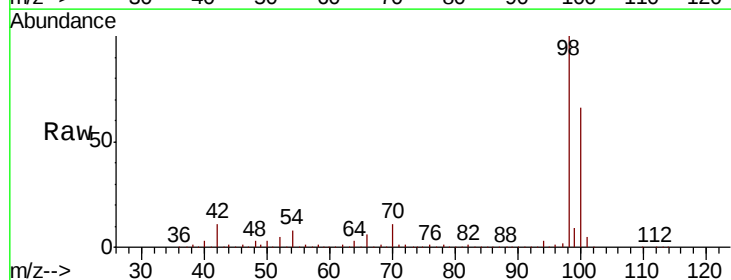
Acq: 09 Aug 2018 12:50

Tgt Ion: 43 Resp: 2715

Ion Ratio Lower Upper

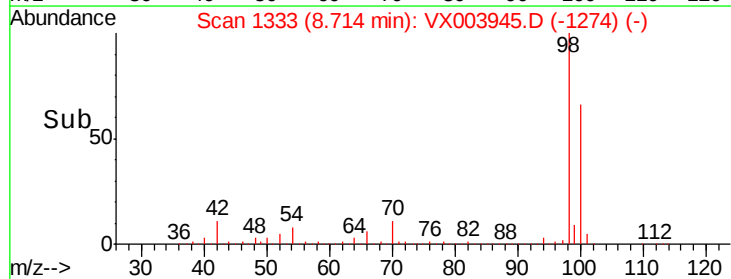
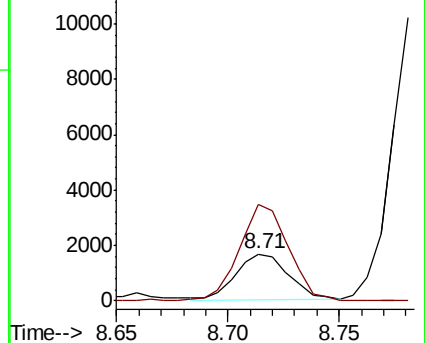
43 100

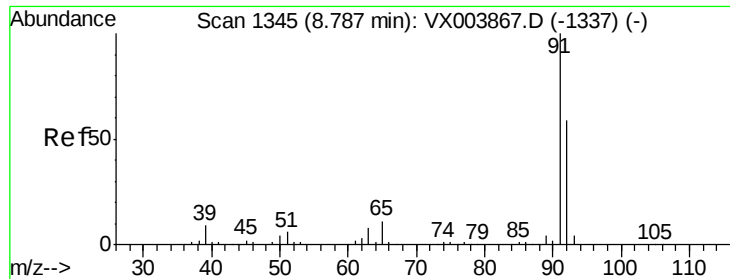
58 196.7 33.0 49.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#52

Toluene

Concen: 132.94 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003945.D

Acq: 09 Aug 2018 12:50

Instrument :

MSVOA_X

ClientSampleId :

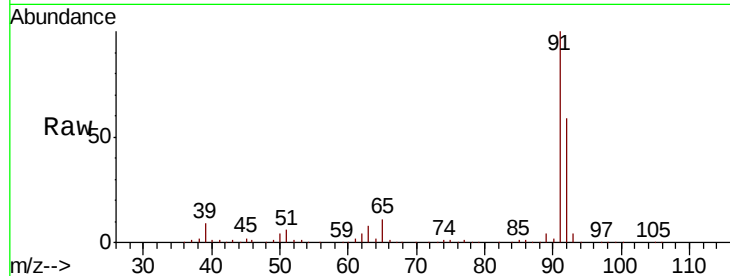
FL-0555DL

Tot Ion: 92 Resp: 1424833

Ion Ratio Lower Upper

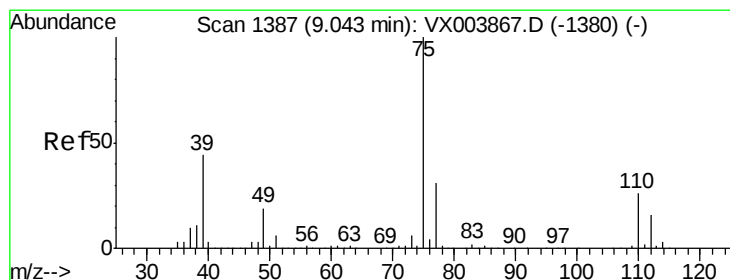
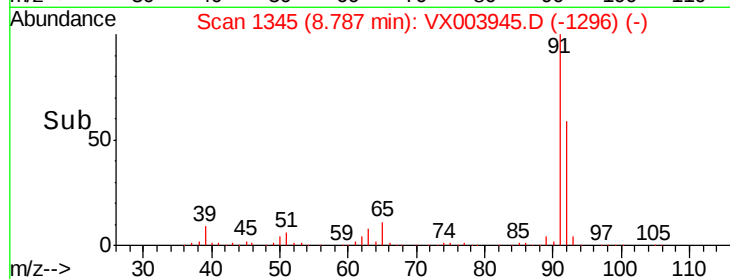
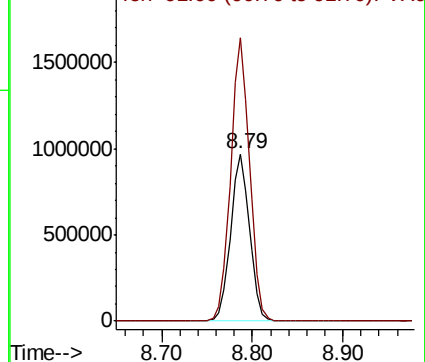
92 100

91 169.2 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#53

t-1,3-Dichloropropene

Concen: 2.55 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.26 min

Lab File: VX003945.D

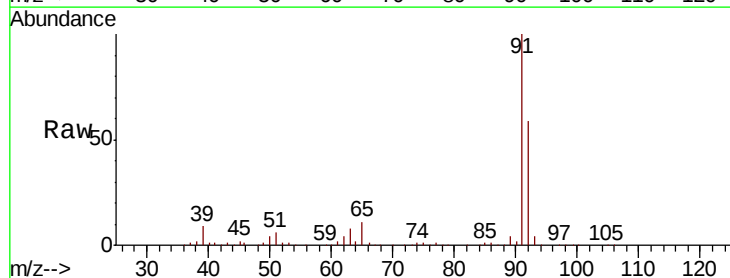
Acq: 09 Aug 2018 12:50

Tgt Ion: 75 Resp: 15443

Ion Ratio Lower Upper

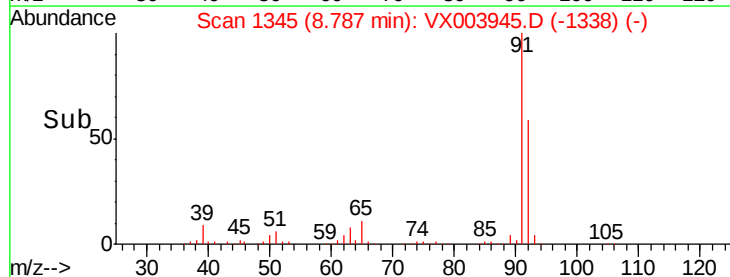
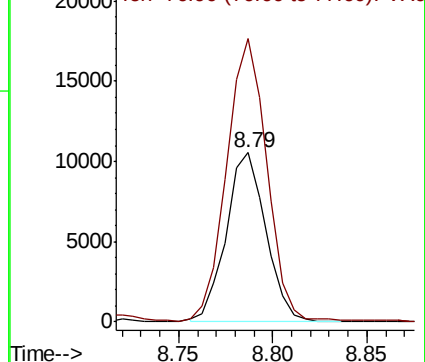
75 100

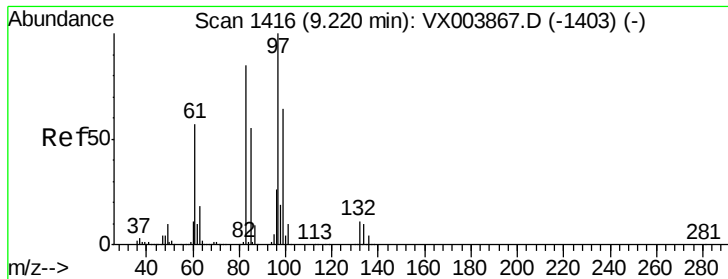
77 166.3 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0





#55

1,1,2-Trichloroethane

Concen: 0.25 ug/l

RT: 9.16 min Scan# 1407

Delta R.T. -0.05 min

Lab File: VX003945.D

Acq: 09 Aug 2018 12:50

Instrument :

MSVOA_X

ClientSampleId :

FL-0555DL

Tot Ion: 97 Resp: 1112

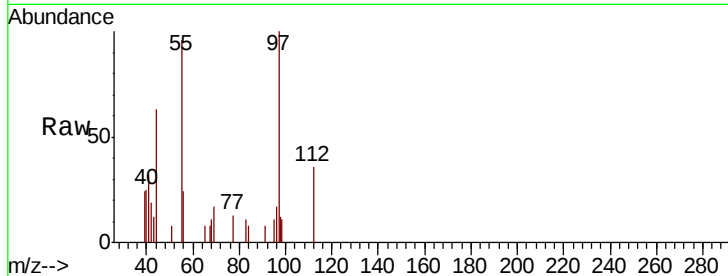
Ion Ratio Lower Upper

97 100

83 10.9 67.8 101.6#

85 0.0 44.2 66.2#

99 0.0 50.8 76.2#



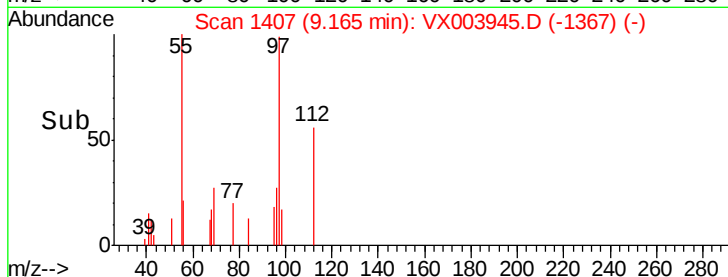
Abundance Ion 96.90 (96.60 to 97.60): VX0

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

Time-->



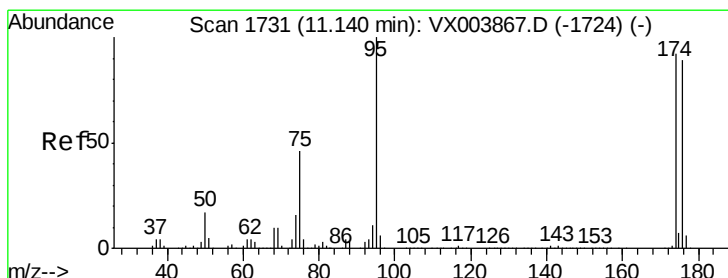
Abundance Ion 96.90 (96.60 to 97.60): VX0

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

Time-->



#62

4-Bromofluorobenzene

Concen: 53.44 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003945.D

Acq: 09 Aug 2018 12:50

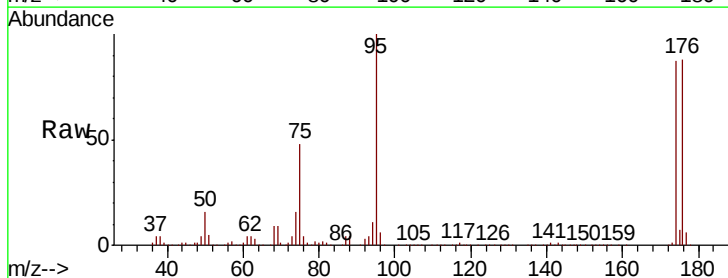
Tgt Ion: 95 Resp: 256923

Ion Ratio Lower Upper

95 100

174 90.8 0.0 182.8

176 88.8 0.0 179.0

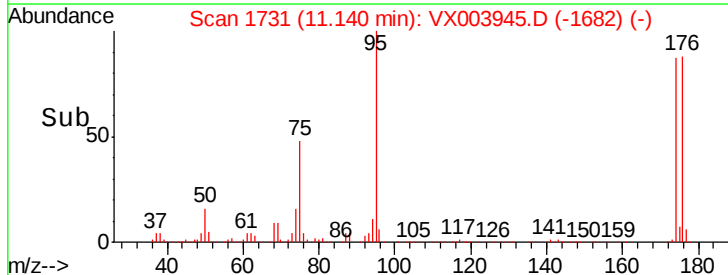


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

Time-->

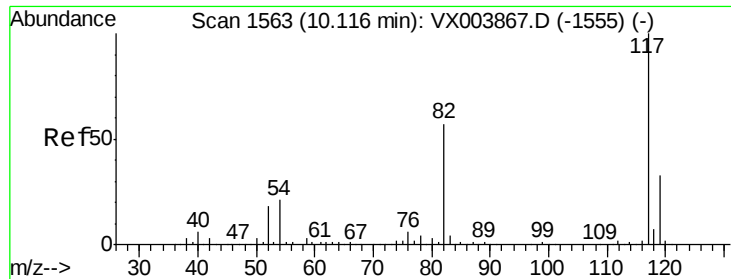


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

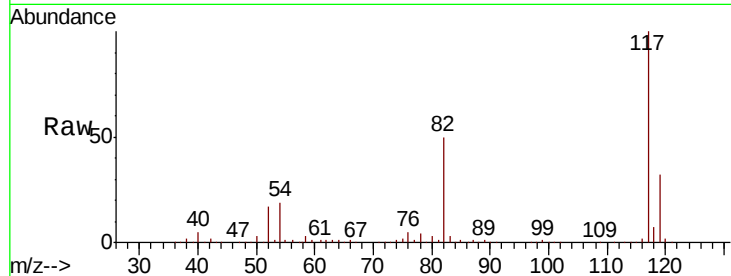
Time-->



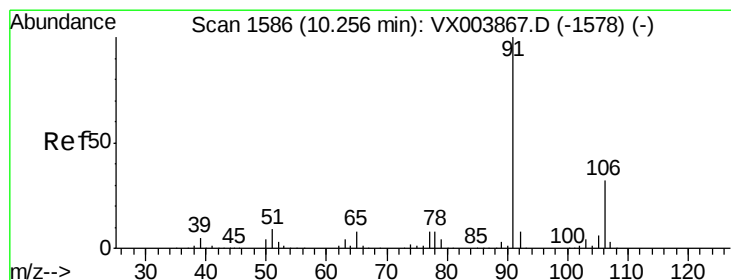
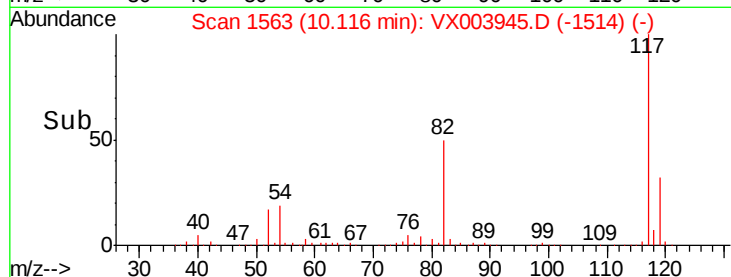
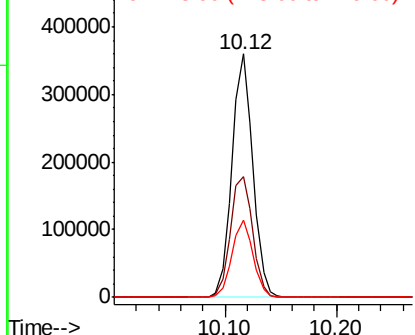
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003945.D
Acq: 09 Aug 2018 12:50

Instrument :
MSVOA_X
ClientSampleId :
FL-0555DL

Tot Ion:117 Resp: 465567
Ion Ratio Lower Upper
117 100
82 49.7 45.4 68.0
119 32.0 26.6 40.0

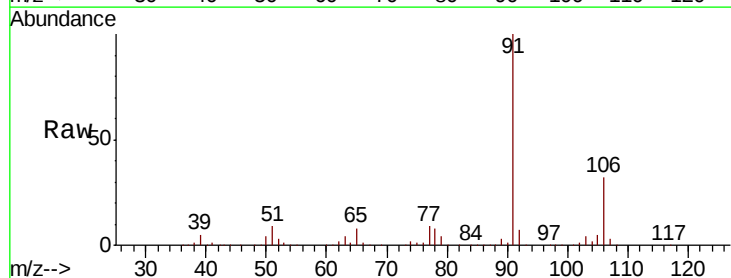


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

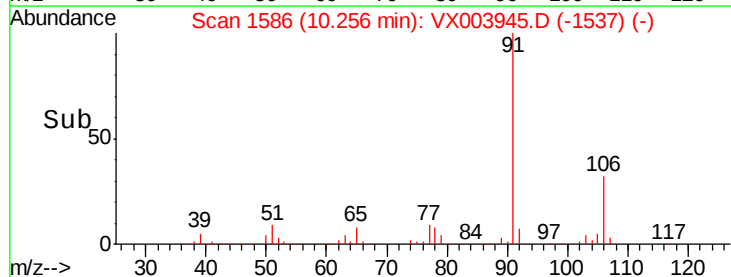
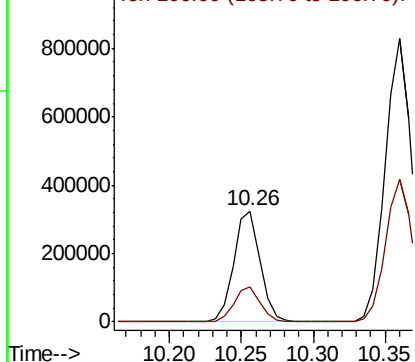


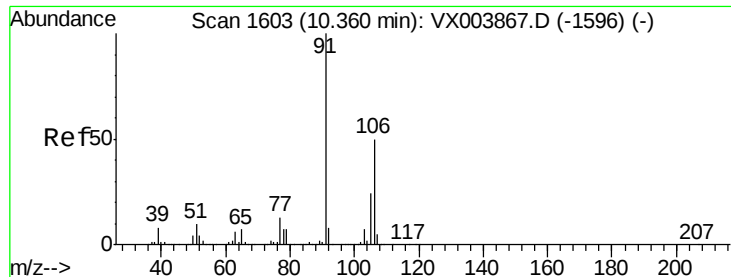
#67
Ethyl Benzene
Concen: 21.00 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003945.D
Acq: 09 Aug 2018 12:50

Tgt Ion: 91 Resp: 416340
Ion Ratio Lower Upper
91 100
106 32.1 25.9 38.9



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

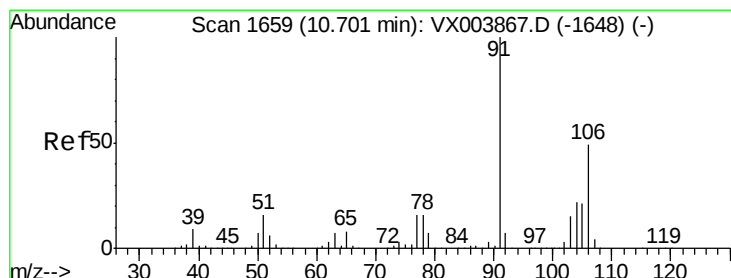
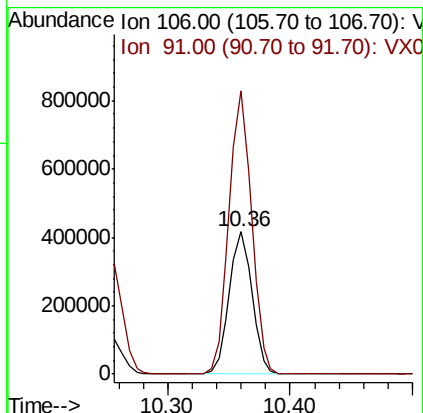
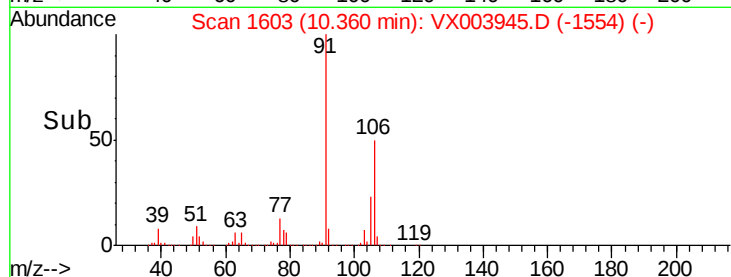
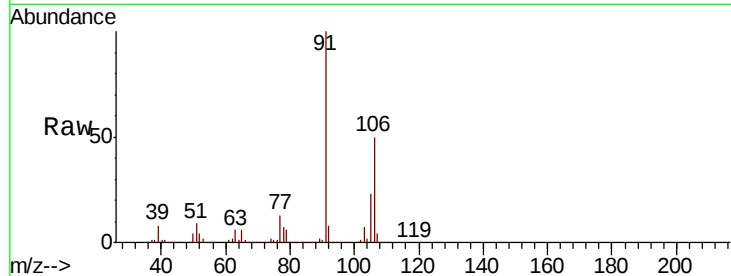




#68
m/p-Xvlenes
Concen: 69.60 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003945.D
Acq: 09 Aug 2018 12:50

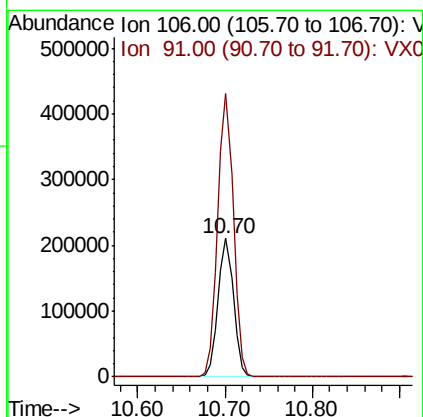
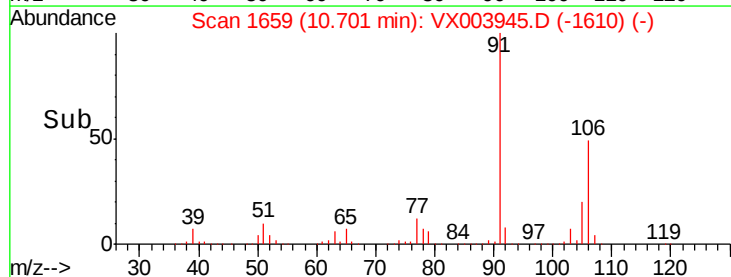
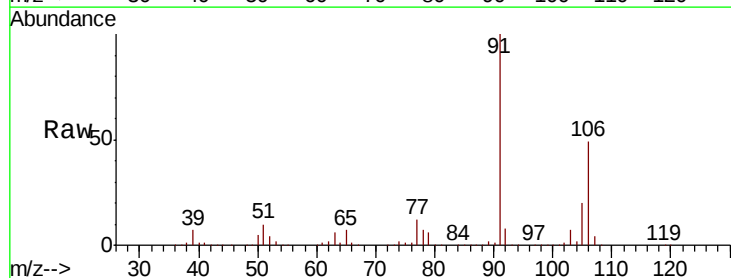
Instrument :
MSVOA_X
ClientSampleID :
FL-0555DL

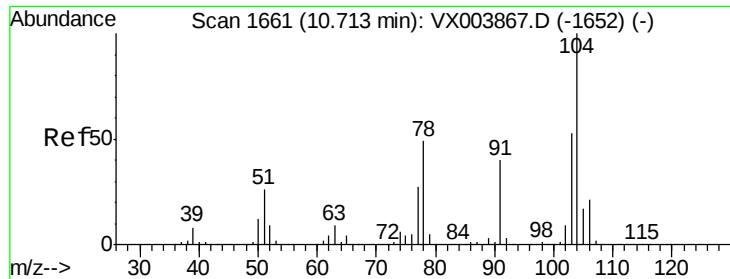
Tot Ion:106 Resp: 539274
Ion Ratio Lower Upper
106 100
91 197.1 162.3 243.5



#69
o-Xylene
Concen: 34.93 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003945.D
Acq: 09 Aug 2018 12:50

Tgt Ion:106 Resp: 255518
Ion Ratio Lower Upper
106 100
91 208.9 101.9 305.7

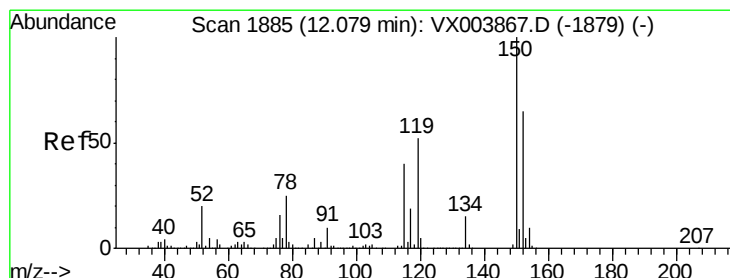
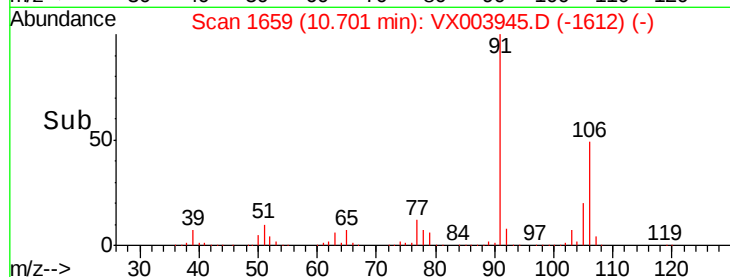
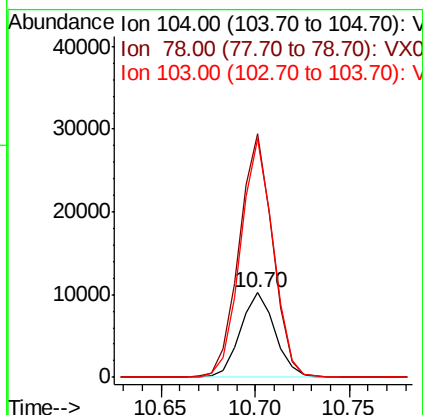
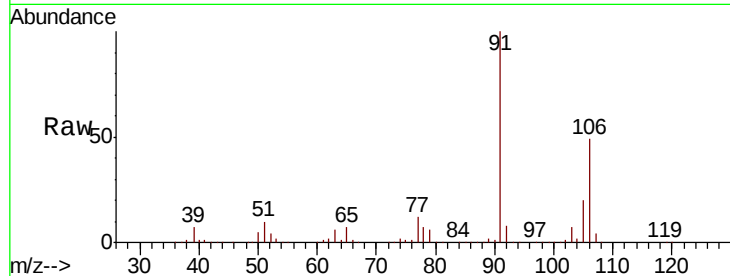




#70
Stvrene
Concen: 1.09 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX003945.D
Acq: 09 Aug 2018 12:50

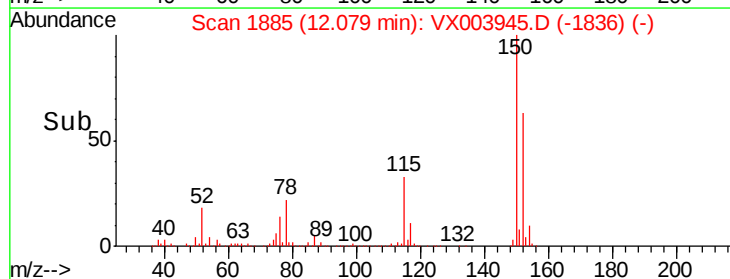
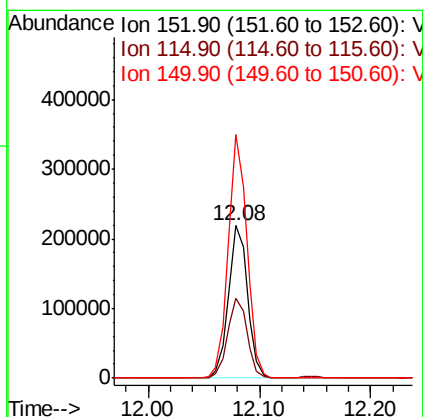
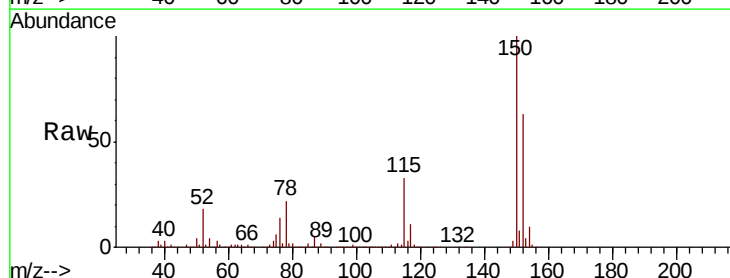
Instrument :
MSVOA_X
ClientSampleId :
FL-0555DL

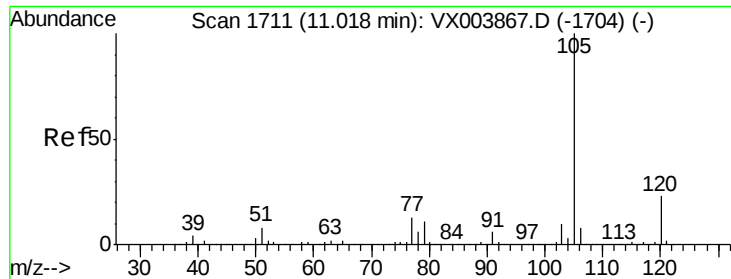
Tot Ion:104 Resp: 13056
Ion Ratio Lower Upper
104 100
78 277.8 39.8 59.6#
103 266.5 44.3 66.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003945.D
Acq: 09 Aug 2018 12:50

Tgt Ion:152 Resp: 259051
Ion Ratio Lower Upper
152 100
115 53.6 39.1 117.3
150 156.9 0.0 349.2





#73

Isopropylbenzene

Concen: 1.52 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003945.D

Acq: 09 Aug 2018 12:50

Instrument :

MSVOA_X

ClientSampleID :

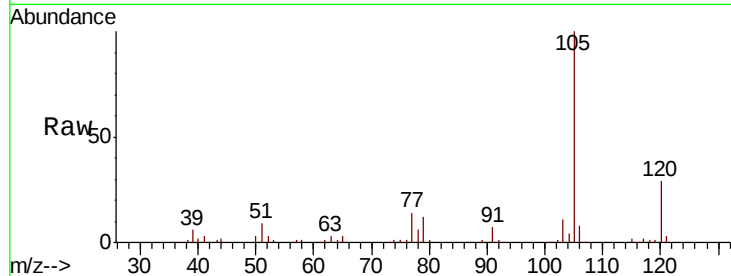
FL-0555DL

Tot Ion:105 Resp: 29061

Ion Ratio Lower Upper

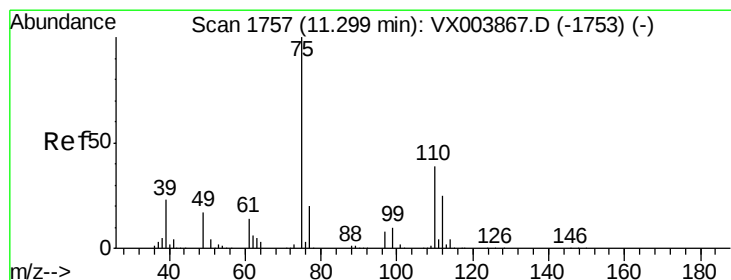
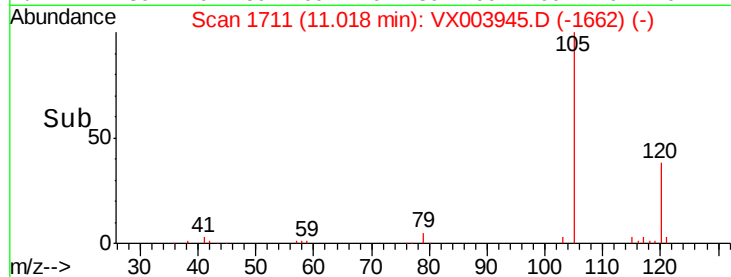
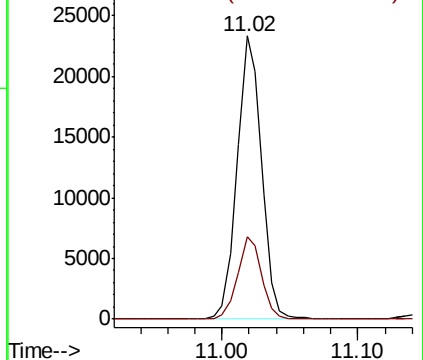
105 100

120 28.1 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: 21.50 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003945.D

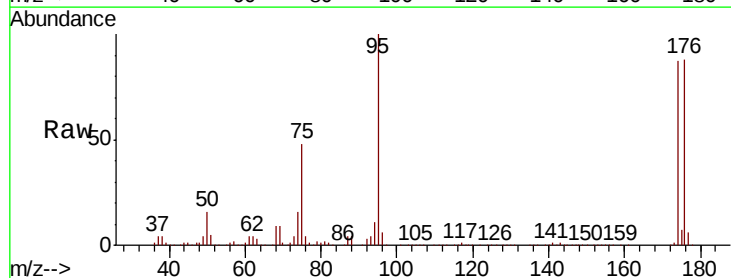
Acq: 09 Aug 2018 12:50

Tgt Ion: 75 Resp: 123003

Ion Ratio Lower Upper

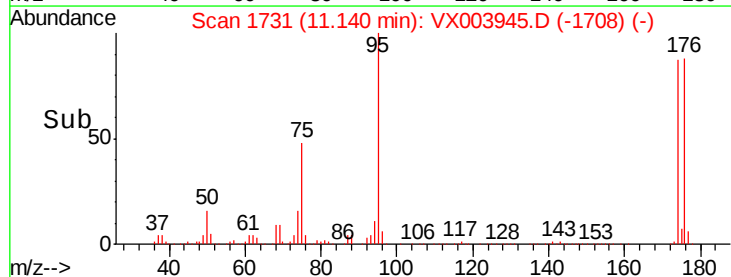
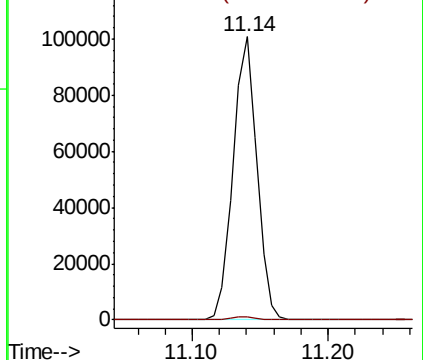
75 100

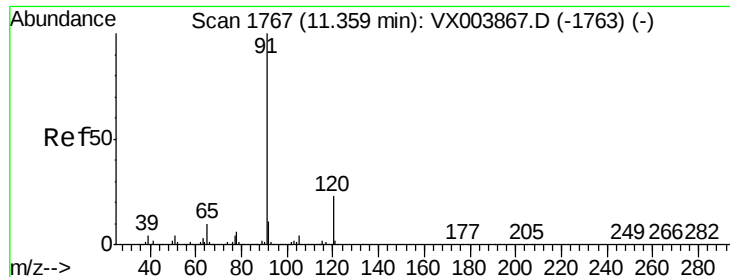
77 1.4 20.8 62.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 1.71 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003945.D

Acq: 09 Aug 2018 12:50

Instrument :

MSVOA_X

ClientSampleId :

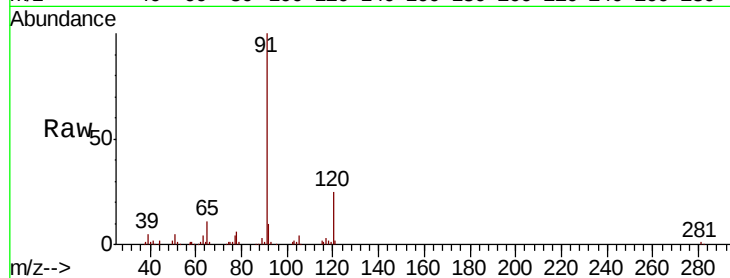
FL-0555DL

Tot Ion: 91 Resp: 36709

Ion Ratio Lower Upper

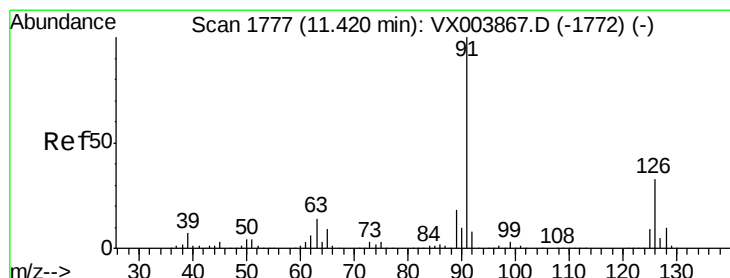
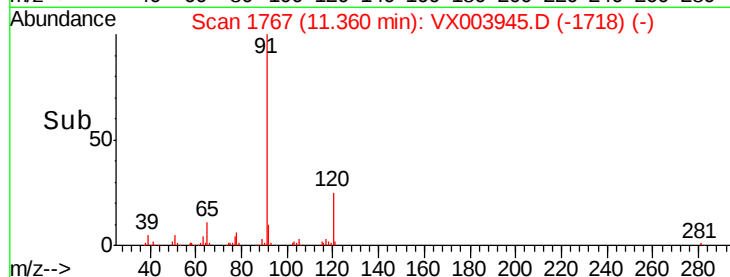
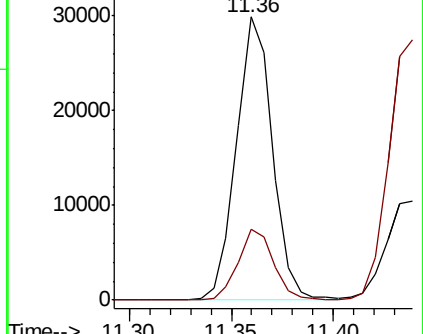
91 100

120 24.8 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: 1.50 ug/l

RT: 11.44 min Scan# 1780

Delta R.T. 0.02 min

Lab File: VX003945.D

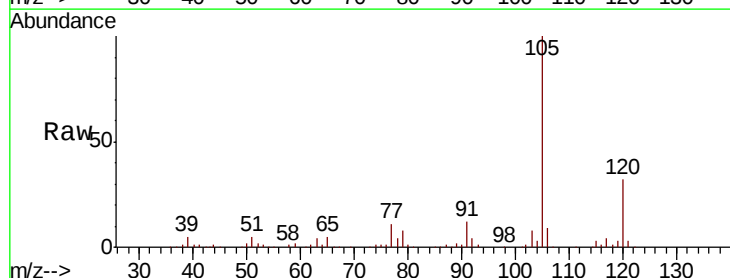
Acq: 09 Aug 2018 12:50

Tgt Ion: 91 Resp: 19714

Ion Ratio Lower Upper

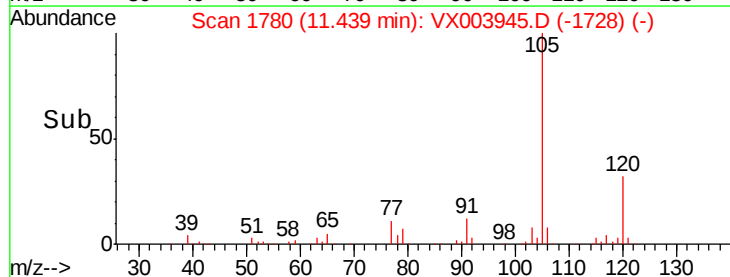
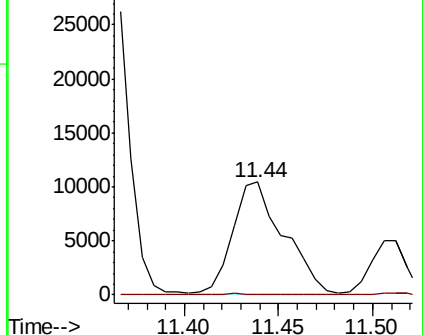
91 100

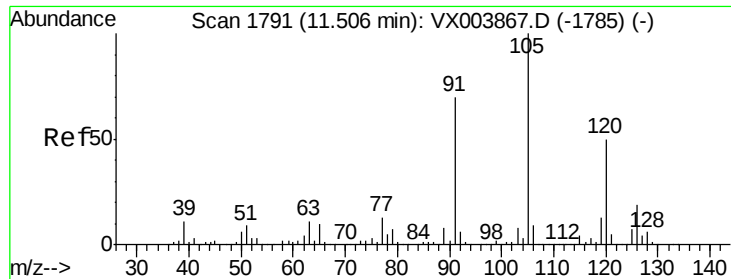
126 0.4 17.4 52.3#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

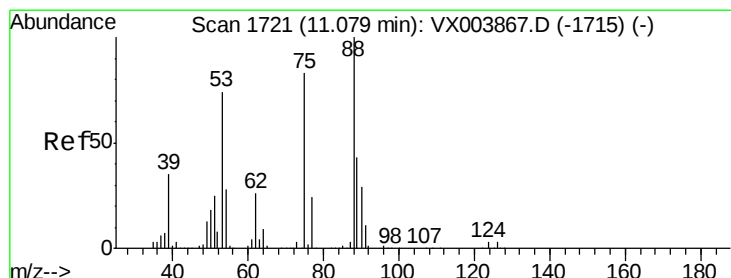
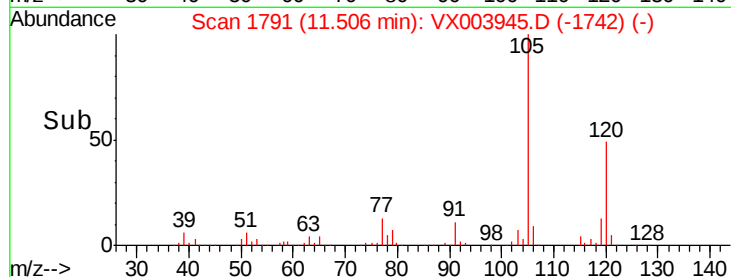
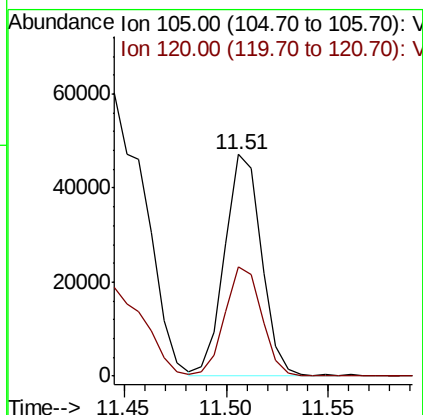
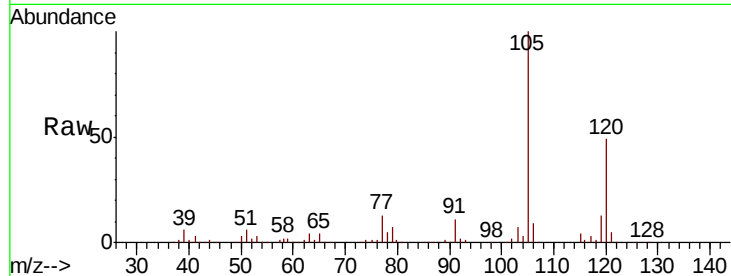




#80
 1,3,5-Trimethylbenzene
 Concen: 3.74 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX003945.D
 Acq: 09 Aug 2018 12:50

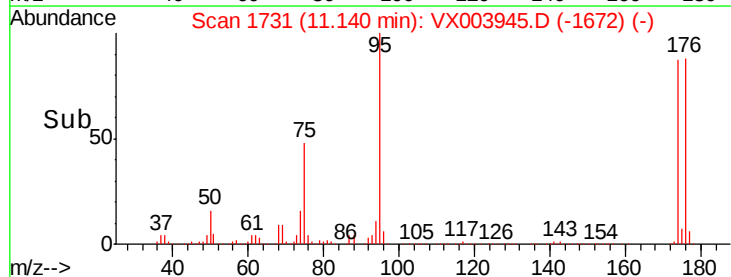
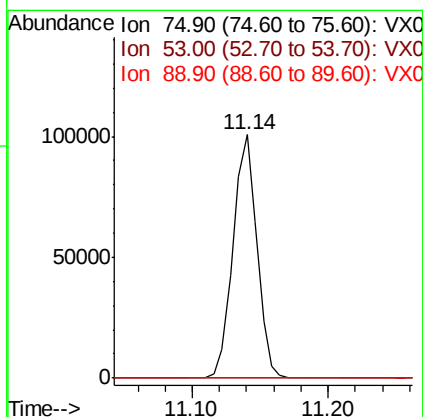
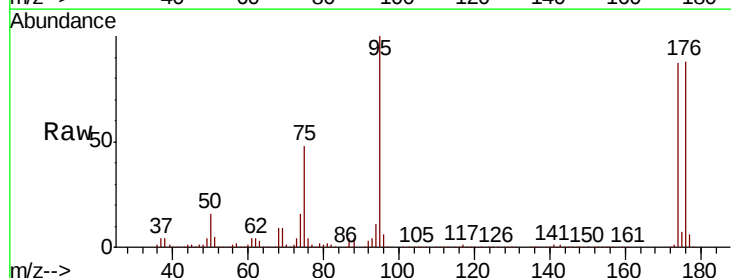
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0555DL

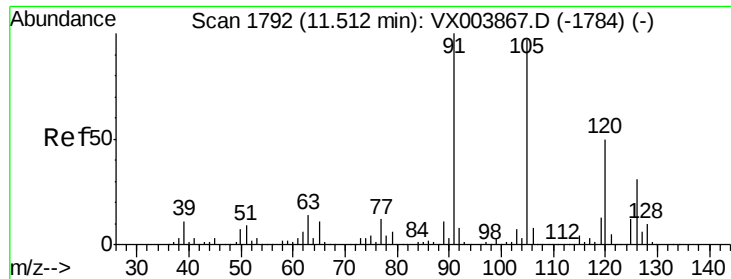
Tot Ion:105 Resp: 58490
 Ion Ratio Lower Upper
 105 100
 120 49.9 25.4 76.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.10 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003945.D
 Acq: 09 Aug 2018 12:50

Tgt Ion: 75 Resp: 123003
 Ion Ratio Lower Upper
 75 100
 53 0.1 80.3 120.5#
 89 0.0 37.8 56.8#





#82

4-Chlorotoluene

Concen: 0.43 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX003945.D

Acq: 09 Aug 2018 12:50

Instrument :

MSVOA_X

ClientSampled :

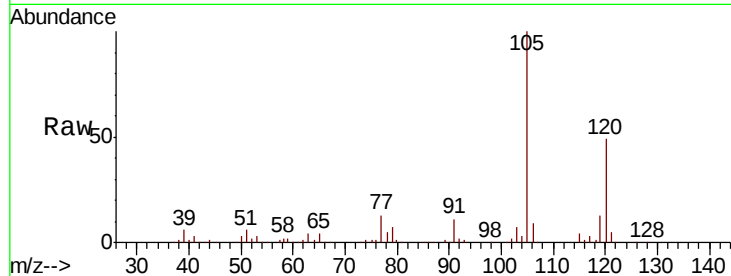
FL-0555DL

Tot Ion: 91 Resp: 6557

Ion Ratio Lower Upper

91 100

126 3.3 15.6 46.7#



Abundance Ion 91.00 (90.70 to 91.70): VX003867.D (-1784) (-)

Ion 125.90 (125.60 to 126.60): VX003867.D (-1784) (-)

8000

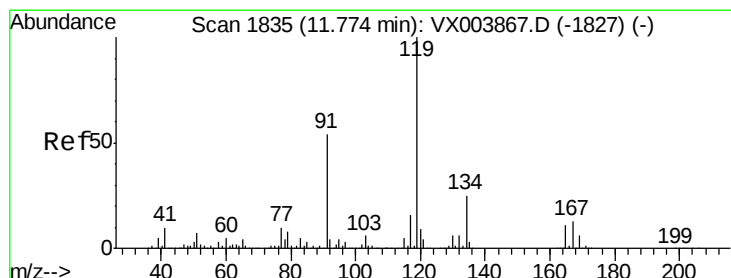
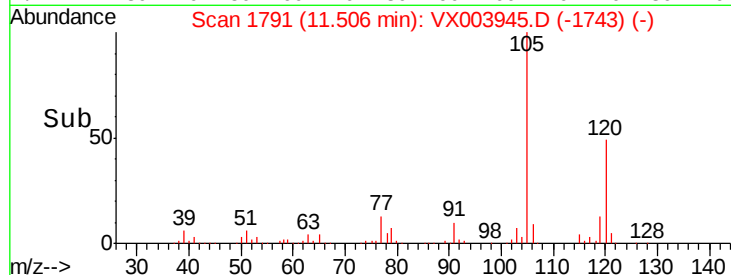
6000

4000

2000

0

Time--> 11.45 11.50 11.55



#83

tert-Butylbenzene

Concen: 0.29 ug/l

RT: 12.02 min Scan# 1876

Delta R.T. 0.25 min

Lab File: VX003945.D

Acq: 09 Aug 2018 12:50

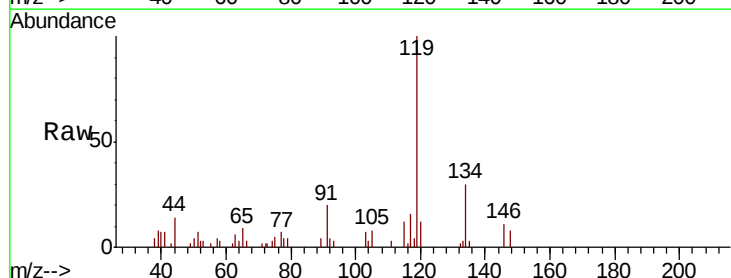
Tgt Ion: 119 Resp: 4514

Ion Ratio Lower Upper

119 100

91 27.1 26.9 80.7

134 30.9 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): VX003867.D (-1827) (-)

Ion 91.00 (90.70 to 91.70): VX003867.D (-1827) (-)

Ion 134.00 (133.70 to 134.70): VX003867.D (-1827) (-)

5000

4000

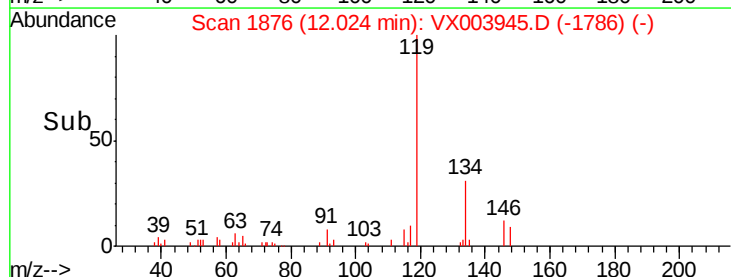
3000

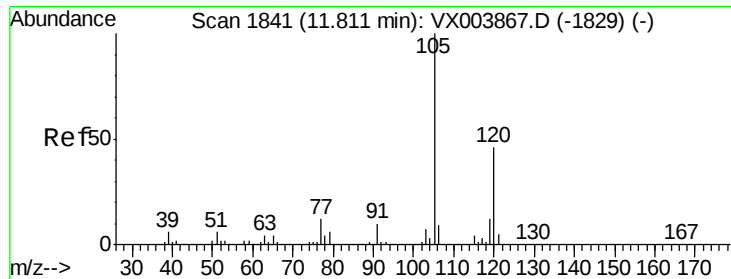
2000

1000

0

Time--> 12.00 12.05





#84

1,2,4-Trimethylbenzene

Concen: 10.98 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX003945.D

Acq: 09 Aug 2018 12:50

Instrument :

MSVOA_X

ClientSampleId :

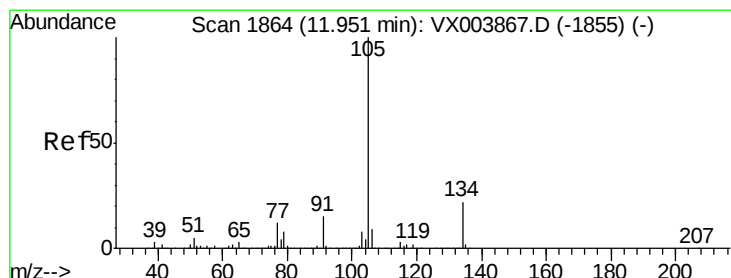
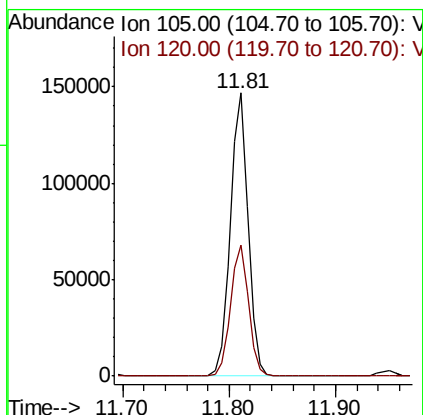
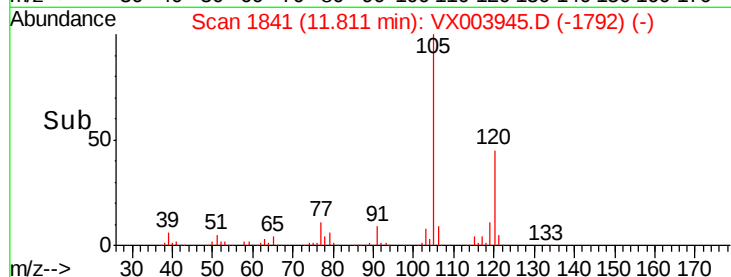
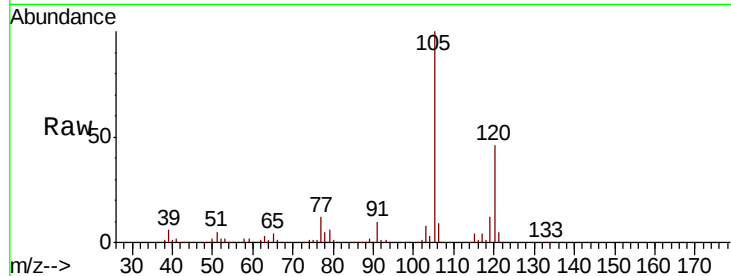
FL-0555DL

Tot Ion:105 Resp: 172480

Ion Ratio Lower Upper

105 100

120 47.2 23.1 69.2



#85

sec-Butylbenzene

Concen: 9.51 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.14 min

Lab File: VX003945.D

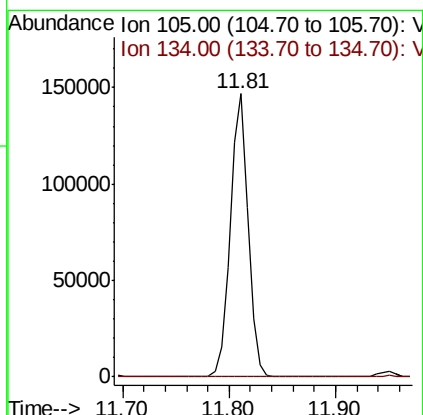
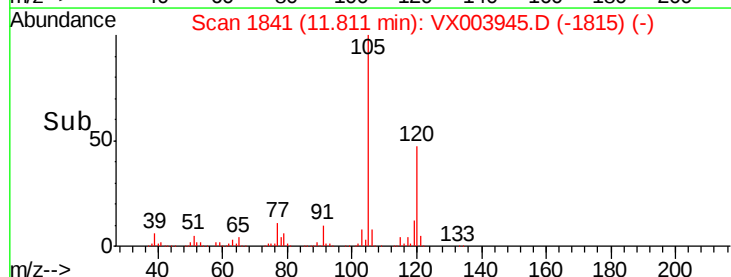
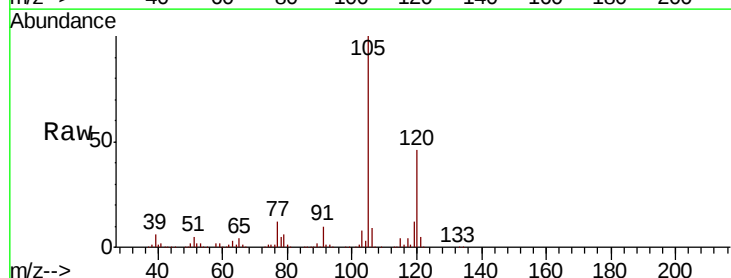
Acq: 09 Aug 2018 12:50

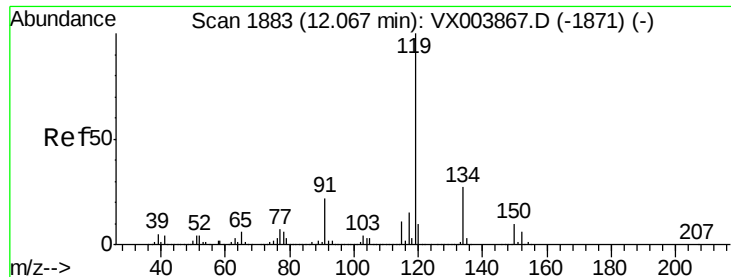
Tgt Ion:105 Resp: 172442

Ion Ratio Lower Upper

105 100

134 0.1 10.3 30.9#

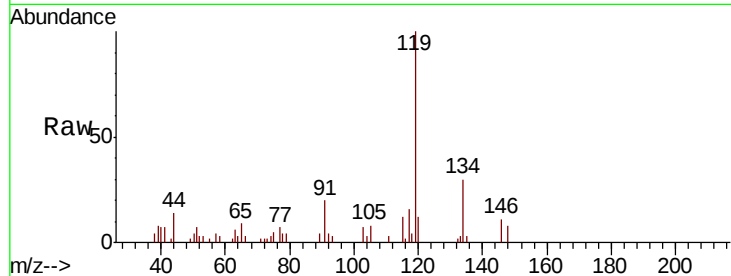




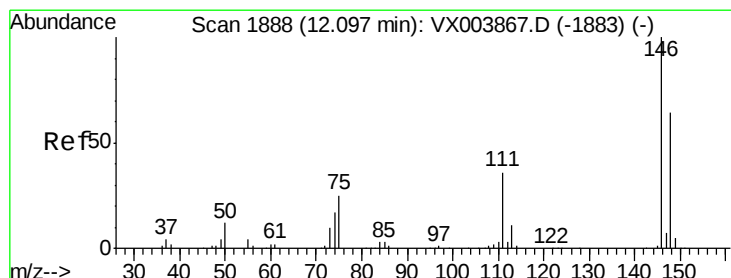
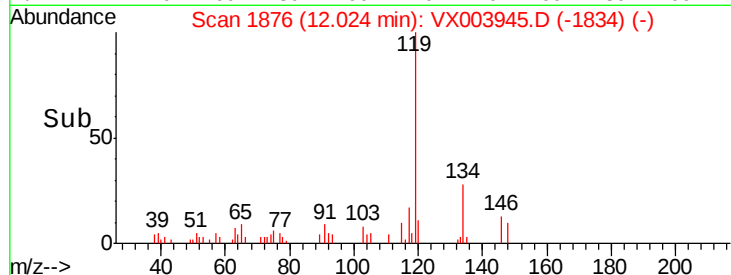
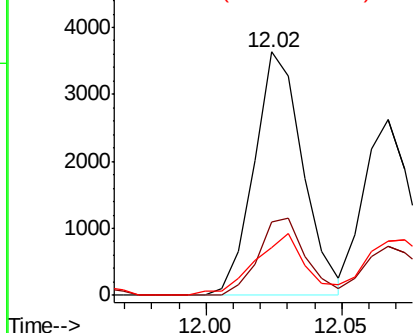
#86
p-Isopropyltoluene
Concen: 0.28 ug/l
RT: 12.02 min Scan# 1876
Delta R.T. -0.04 min
Lab File: VX003945.D
Acq: 09 Aug 2018 12:50

Instrument :
MSVOA_X
ClientSampleID :
FL-0555DL

Tot Ion:119 Resp: 4514
Ion Ratio Lower Upper
119 100
134 30.9 13.3 39.8
91 27.1 10.9 32.7

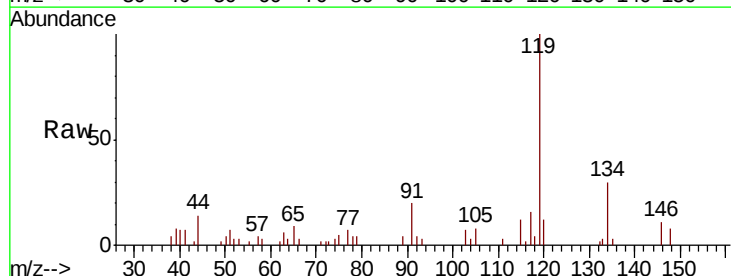


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

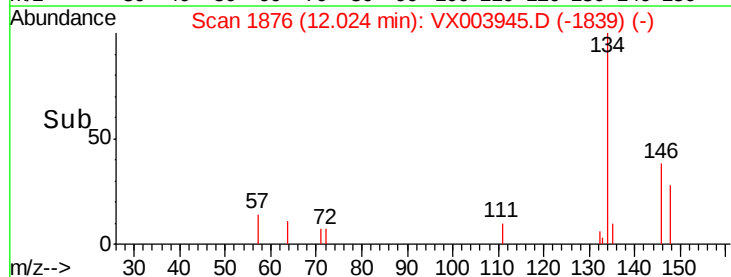
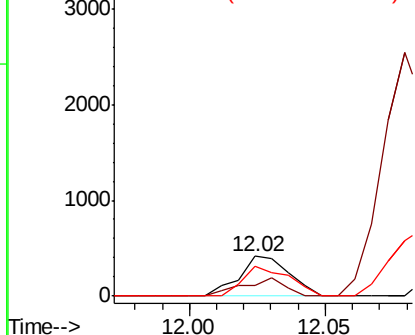


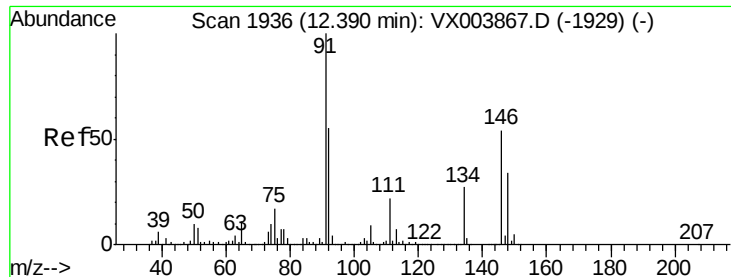
#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 12.02 min Scan# 1876
Delta R.T. -0.07 min
Lab File: VX003945.D
Acq: 09 Aug 2018 12:50

Tgt Ion:146 Resp: 532
Ion Ratio Lower Upper
146 100
111 37.6 18.4 55.0
148 68.8 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

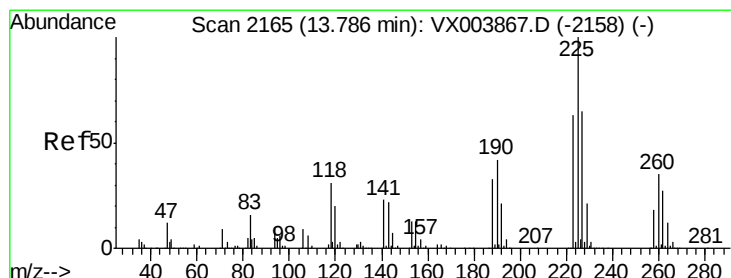
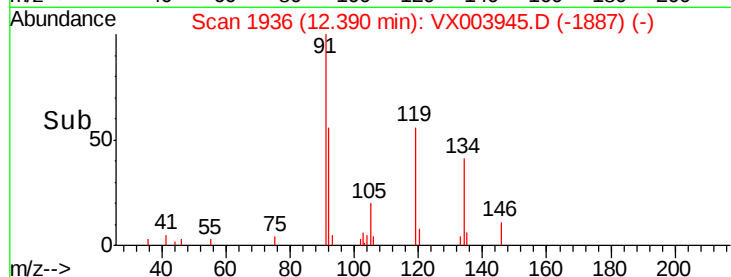
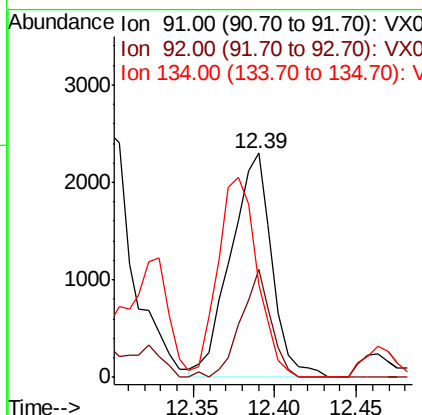
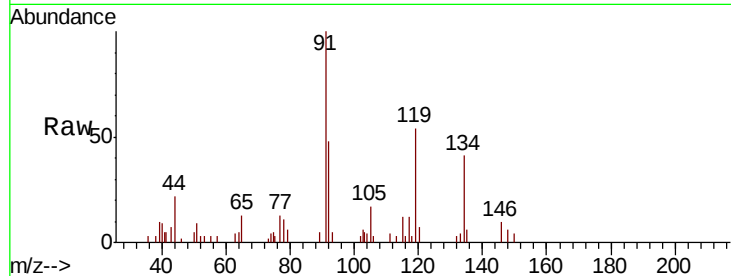




#89
n-Butylbenzene
Concen: 0.29 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003945.D
Acq: 09 Aug 2018 12:50

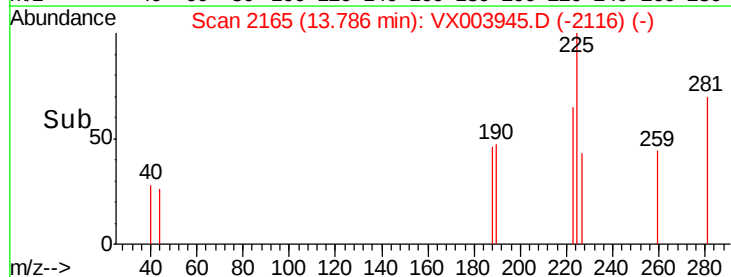
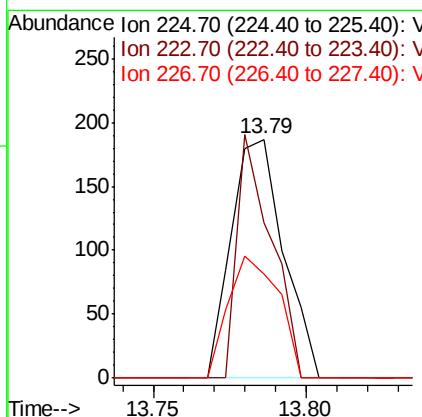
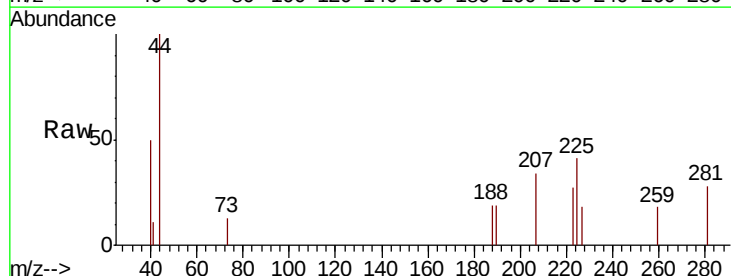
Instrument :
MSVOA_X
ClientSampleId :
FL-0555DL

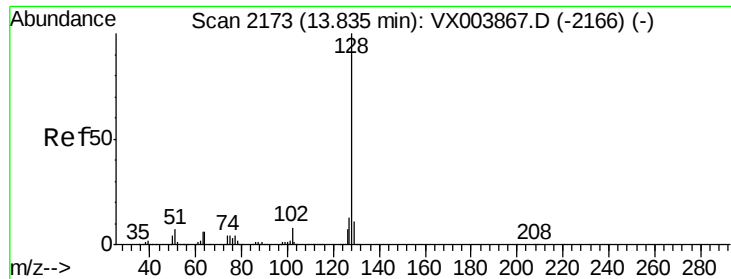
Tot Ion: 91 Resp: 4057
Ion Ratio Lower Upper
91 100
92 35.1 27.1 81.3
134 85.5 13.6 40.7#



#94
Hexachlorobutadiene
Concen: 0.51 ug/l
RT: 13.79 min Scan# 2165
Delta R.T. 0.00 min
Lab File: VX003945.D
Acq: 09 Aug 2018 12:50

Tgt Ion: 225 Resp: 221
Ion Ratio Lower Upper
225 100
223 66.5 31.4 94.0
227 48.9 32.1 96.5

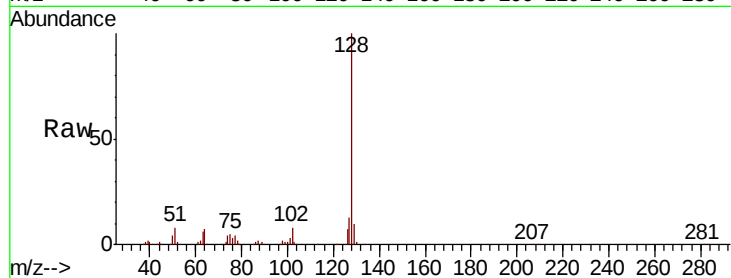




#95
Naphthalene
Concen: 3.46 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003945.D
Acq: 09 Aug 2018 12:50

Instrument :
MSVOA_X
ClientSampleId :
FL-0555DL

Tot 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

