

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070119\
 Data File : VX010583.D
 Acq On : 01 Jul 2019 12:14
 Operator : JC/SP
 Sample : K3565-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0575

Quant Time: Jul 02 04:50:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	260124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	400682	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	359423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	165696	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	124272	50.95	ug/l	0.00
Spiked Amount			Recovery	=	101.90%	
35) Dibromofluoromethane	5.50	113	121138	49.41	ug/l	0.00
Spiked Amount			Recovery	=	98.82%	
50) Toluene-d8	8.71	98	469505	50.06	ug/l	0.00
Spiked Amount			Recovery	=	100.12%	
62) 4-Bromofluorobenzene	11.13	95	157536	46.52	ug/l	0.00
Spiked Amount			Recovery	=	93.04%	

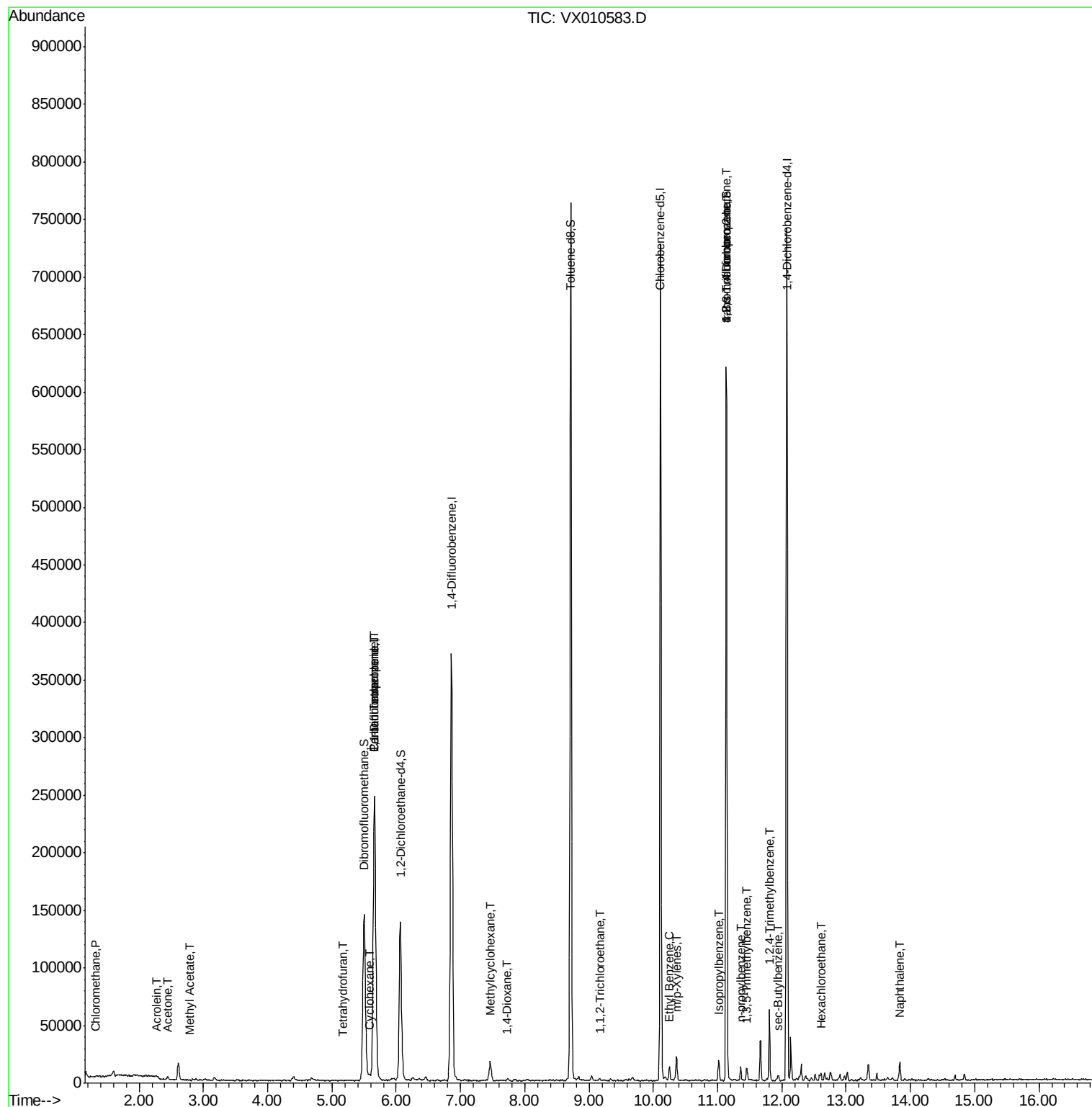
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	833	0.396	ug/l	97
13) Acrolein	2.28	56	213	0.503	ug/l #	74
16) Acetone	2.45	43	3729	3.051	ug/l	94
18) Methyl Acetate	2.79	43	850	0.349	ug/l	93
29) Tetrahydrofuran	5.17	42	468	0.421	ug/l #	39
31) Cyclohexane	5.59	56	3347	0.950	ug/l	99
36) 1,1-Dichloropropene	5.66	75	16081	5.051	ug/l #	48
38) Carbon Tetrachloride	5.66	117	23132	6.709	ug/l #	14
39) Methylcyclohexane	7.46	83	7982	1.907	ug/l #	84
49) 1,4-Dioxane	7.72	88	19	0.262	ug/l #	1
55) 1,1,2-Trichloroethane	9.16	97	608	0.226	ug/l #	28
67) Ethyl Benzene	10.25	91	6682	0.542	ug/l	99
68) m/p-Xylenes	10.36	106	4478	0.938	ug/l	94
73) Isopropylbenzene	11.02	105	9264	0.825	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	75247	24.921	ug/l #	33
78) n-propylbenzene	11.36	91	7305	0.592	ug/l	98
80) 1,3,5-Trimethylbenzene	11.45	105	4997	0.540	ug/l	73
81) trans-1,4-Dichloro-2-buten	11.13	75	75247	58.138	ug/l #	16
84) 1,2,4-Trimethylbenzene	11.80	105	27464	2.952	ug/l	99
85) sec-Butylbenzene	11.94	105	2494	0.229	ug/l	96
90) Hexachloroethane	12.61	117	605	0.347	ug/l #	5
95) Naphthalene	13.83	128	9557	0.824	ug/l	98

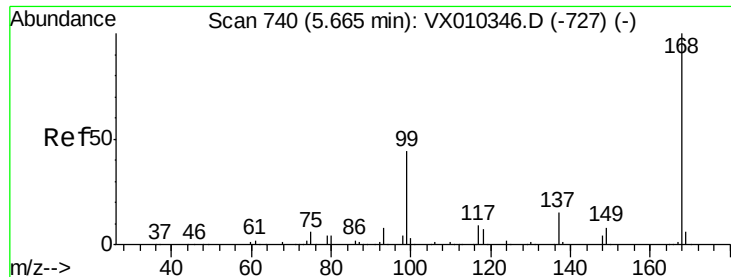
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010583.D

Acq: 01 Jul 2019 12:14

Instrument :

MSVOA_X

ClientSampled :

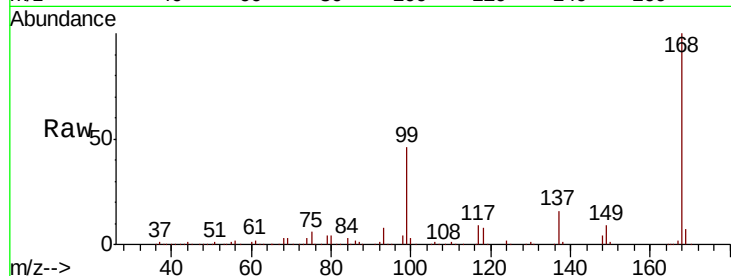
FL-0575

Tot Ion:168 Resp: 260124

Ion Ratio Lower Upper

168 100

99 46.0 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

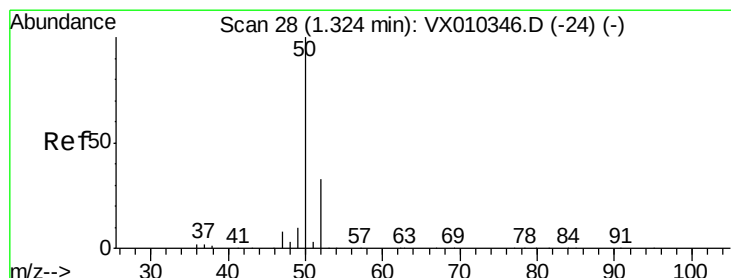
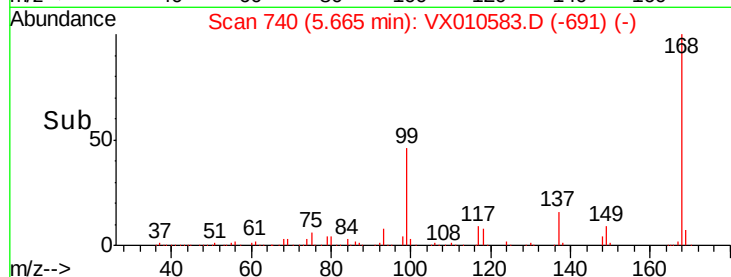
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.396 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX010583.D

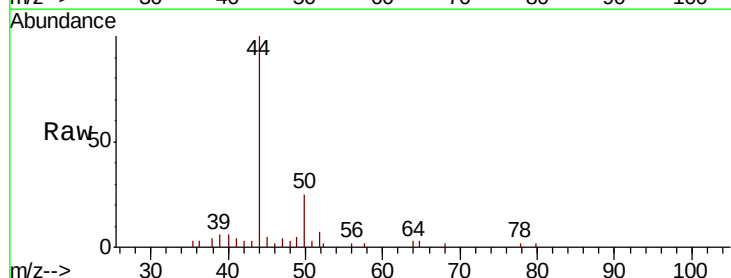
Acq: 01 Jul 2019 12:14

Tgt Ion: 50 Resp: 833

Ion Ratio Lower Upper

50 100

52 34.8 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

800

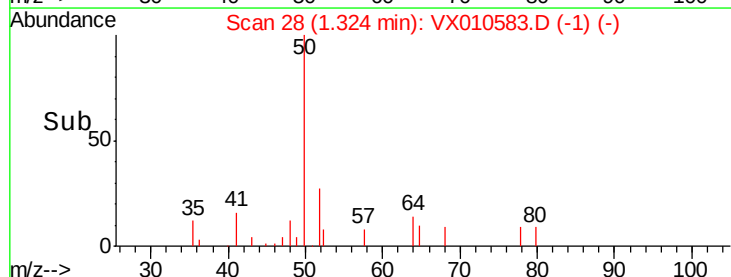
600

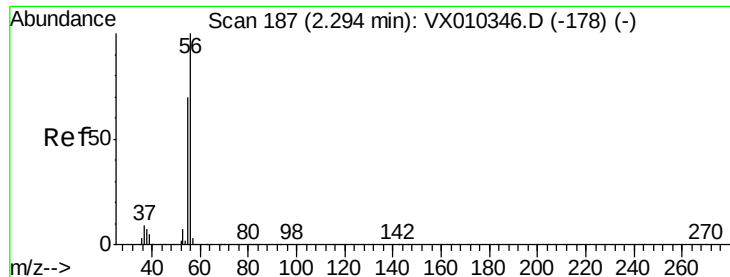
400

200

0

Time--> 1.30 1.32 1.34 1.36





#13

Acrolein

Concen: 0.503 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX010583.D

Acq: 01 Jul 2019 12:14

Instrument :

MSVOA_X

ClientSampleId :

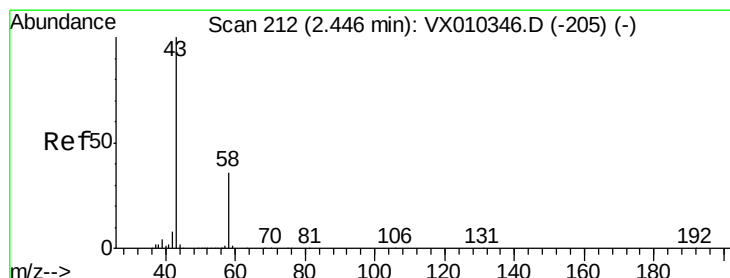
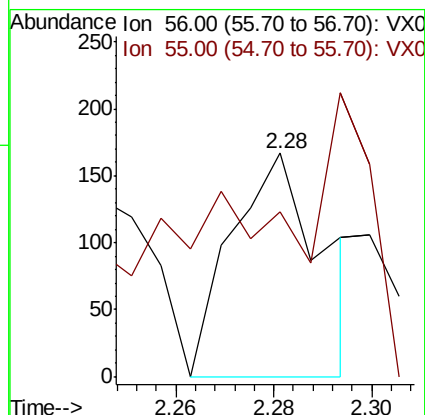
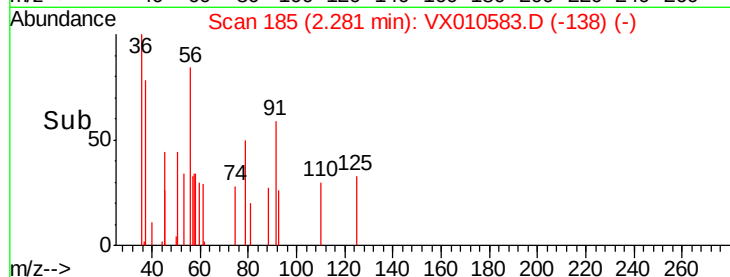
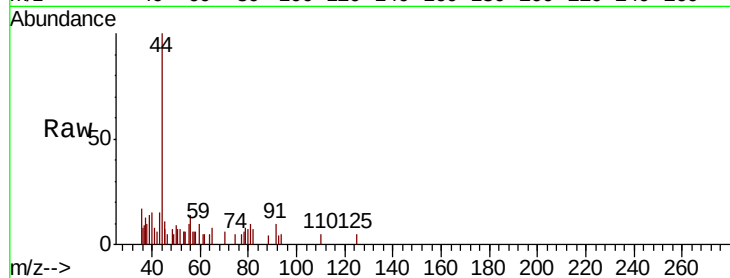
FL-0575

Tot Ion: 56 Resp: 213

Ion Ratio Lower Upper

56 100

55 49.3 56.9 85.3#



#16

Acetone

Concen: 3.051 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010583.D

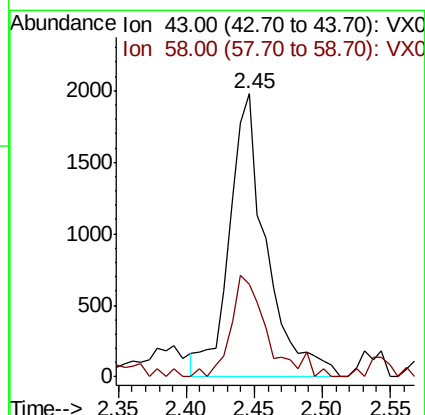
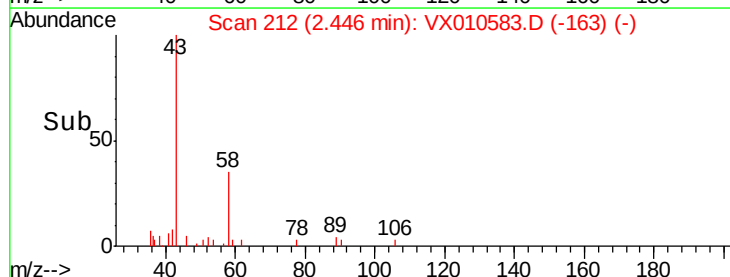
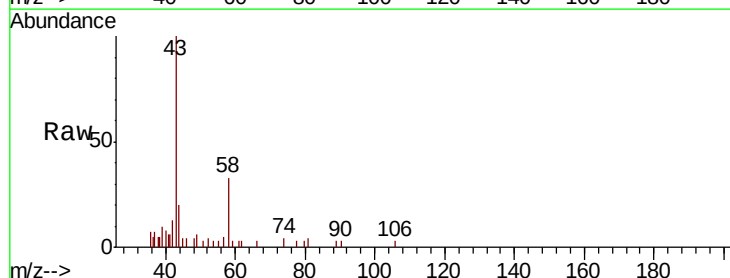
Acq: 01 Jul 2019 12:14

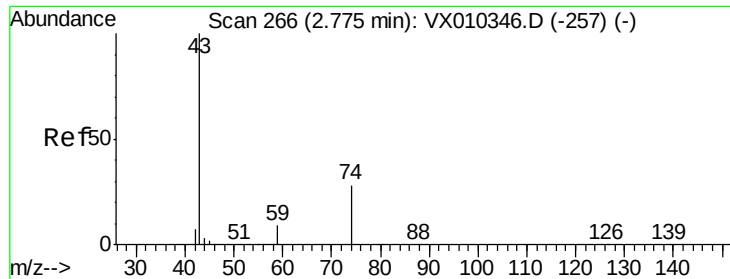
Tgt Ion: 43 Resp: 3729

Ion Ratio Lower Upper

43 100

58 32.8 28.9 43.3

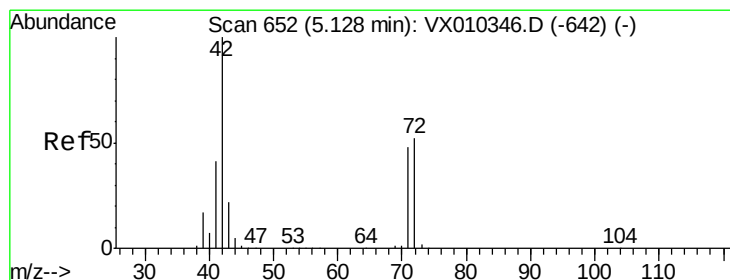
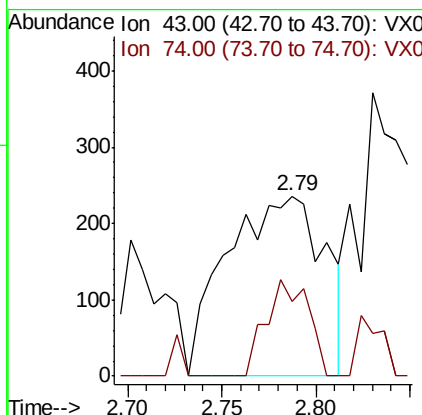
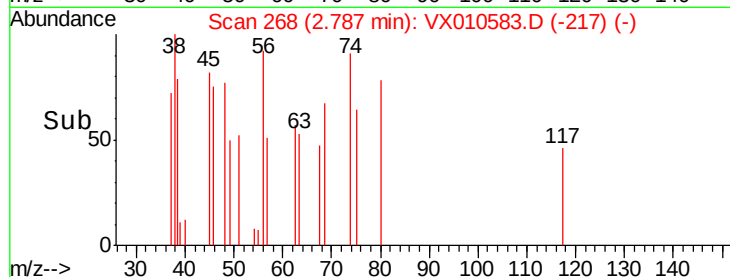
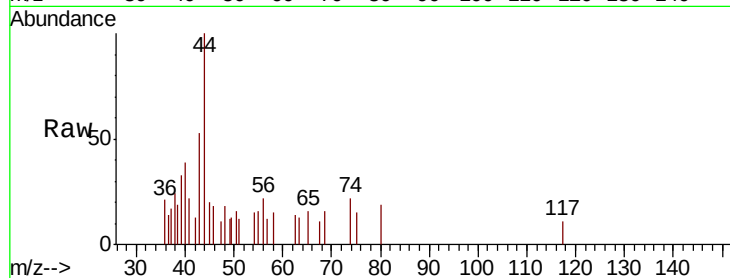




#18
Methvl Acetate
Concen: 0.349 ug/l
RT: 2.79 min Scan# 268
Delta R.T. 0.01 min
Lab File: VX010583.D
Acq: 01 Jul 2019 12:14

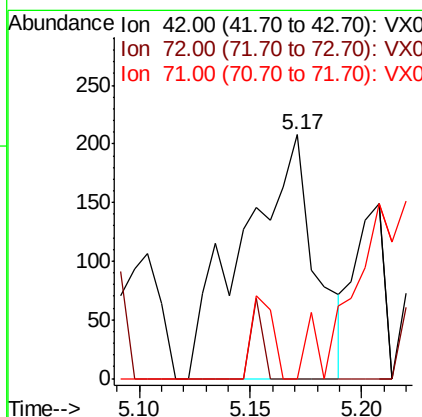
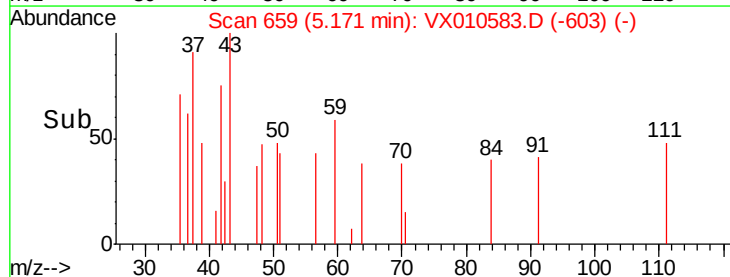
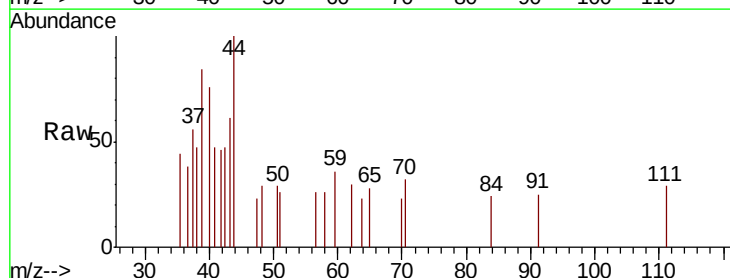
Instrument :
MSVOA_X
ClientSampled :
FL-0575

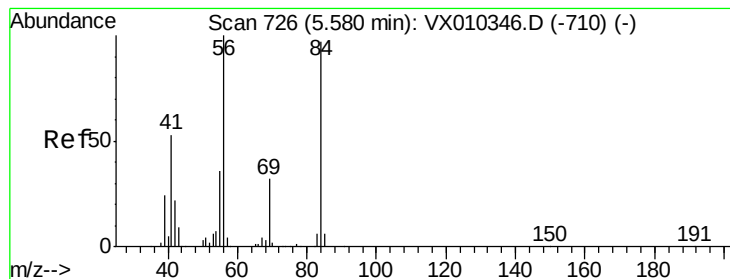
Tot Ion: 43 Resp: 850
Ion Ratio Lower Upper
43 100
74 23.2 21.3 31.9



#29
Tetrahydrofuran
Concen: 0.421 ug/l
RT: 5.17 min Scan# 659
Delta R.T. 0.04 min
Lab File: VX010583.D
Acq: 01 Jul 2019 12:14

Tgt Ion: 42 Resp: 468
Ion Ratio Lower Upper
42 100
72 5.3 40.6 60.8#
71 10.0 37.8 56.8#





#31

Cyclohexane

Concen: 0.950 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX010583.D

Acq: 01 Jul 2019 12:14

Instrument :

MSVOA_X

ClientSampled :

FL-0575

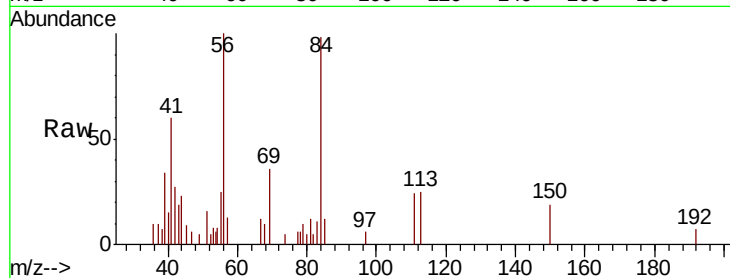
Tot Ion: 56 Resp: 3347

Ion Ratio Lower Upper

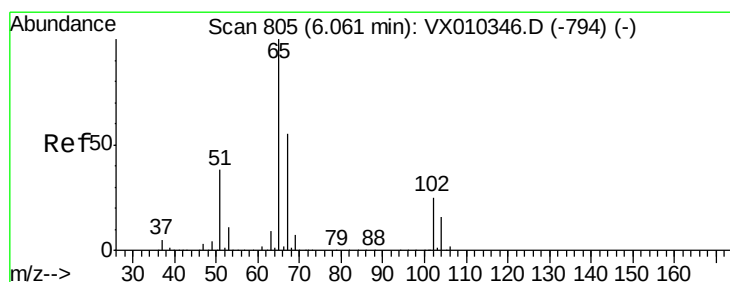
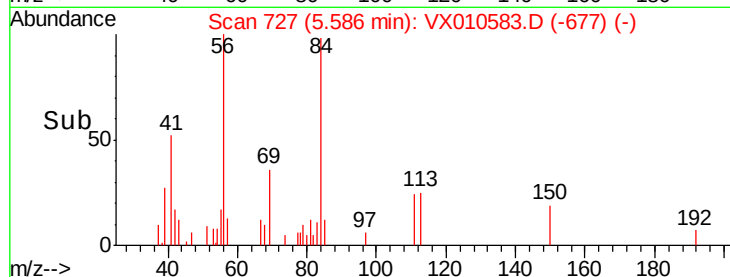
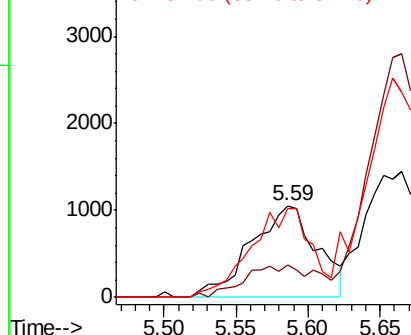
56 100

69 35.6 25.9 38.9

84 97.5 78.0 117.0



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: 50.954 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX010583.D

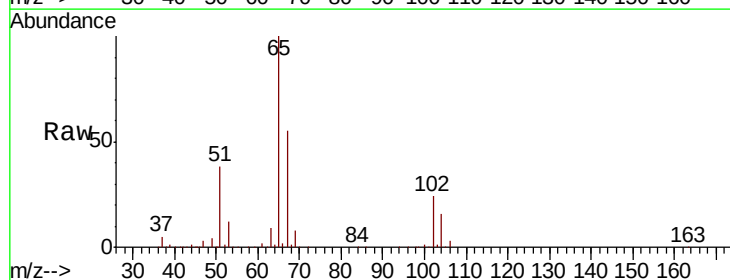
Acq: 01 Jul 2019 12:14

Tgt Ion: 65 Resp: 124272

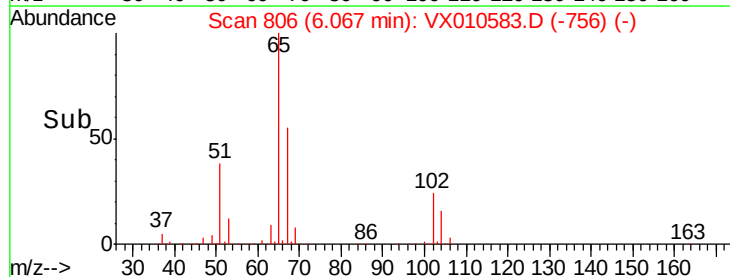
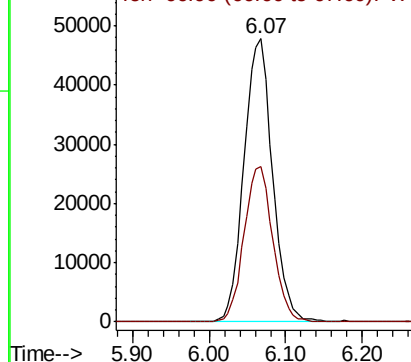
Ion Ratio Lower Upper

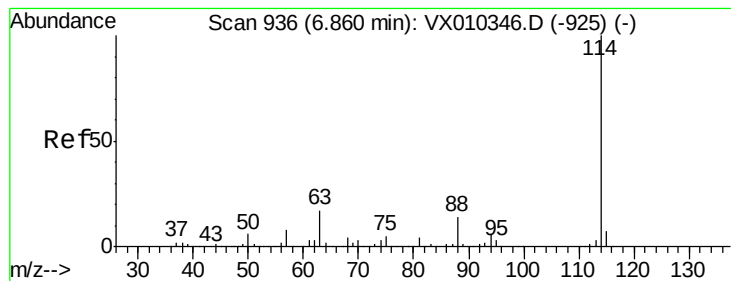
65 100

67 55.2 0.0 110.2



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010583.D

Acq: 01 Jul 2019 12:14

Instrument :

MSVOA_X

ClientSampleId :

FL-0575

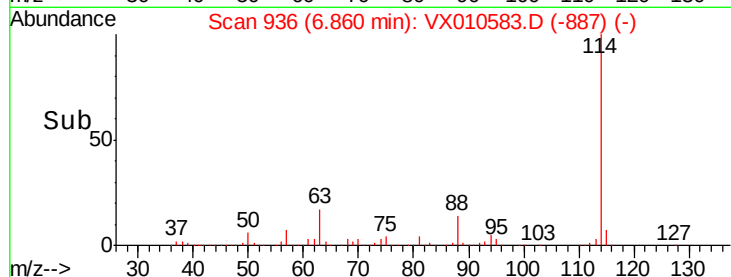
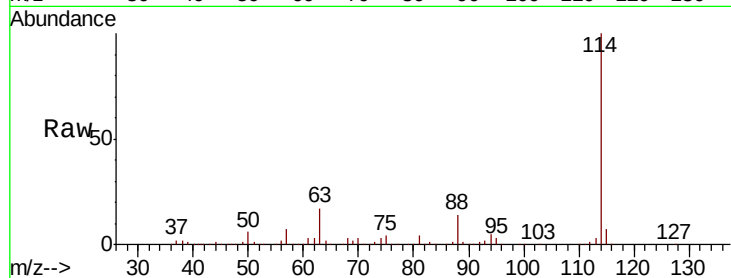
Tot Ion:114 Resp: 400682

Ion Ratio Lower Upper

114 100

63 16.7 0.0 33.8

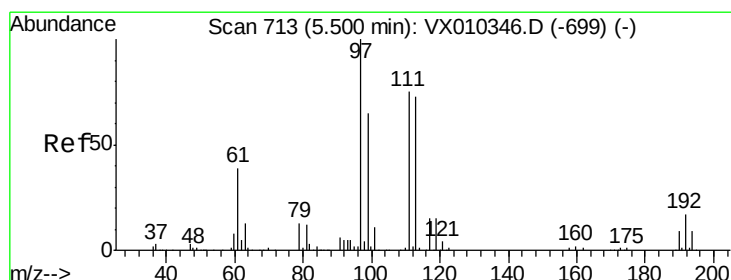
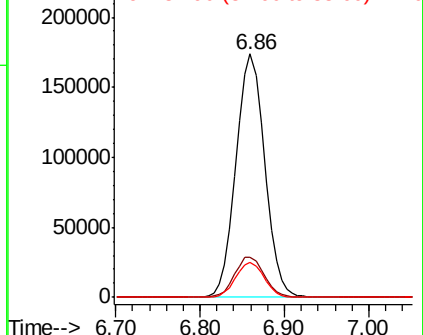
88 14.3 0.0 27.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.413 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010583.D

Acq: 01 Jul 2019 12:14

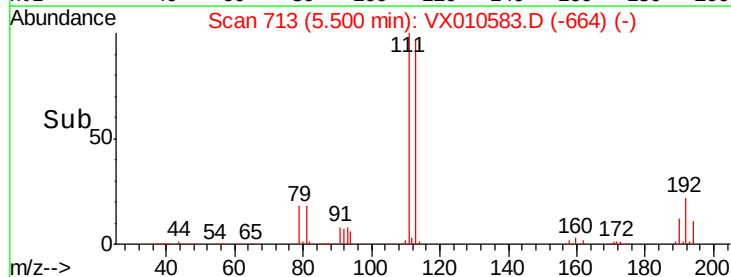
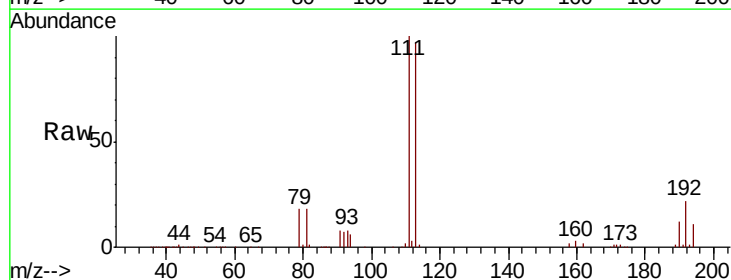
Tgt Ion:113 Resp: 121138

Ion Ratio Lower Upper

113 100

111 102.3 81.2 121.8

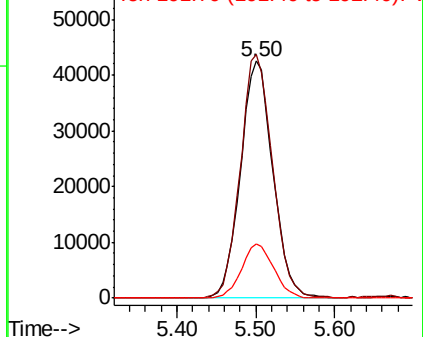
192 22.8 18.6 27.8

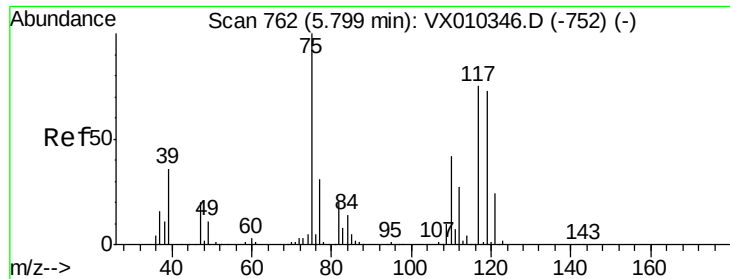


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

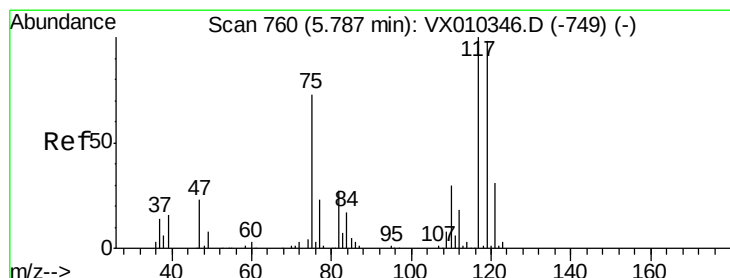
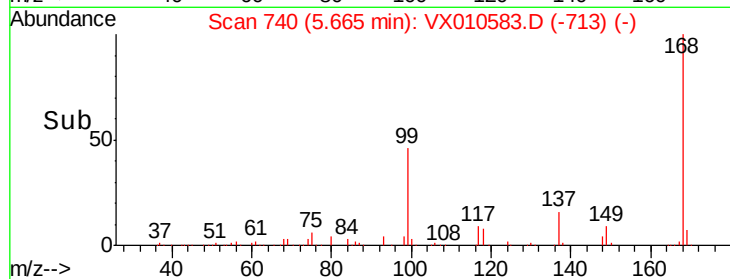
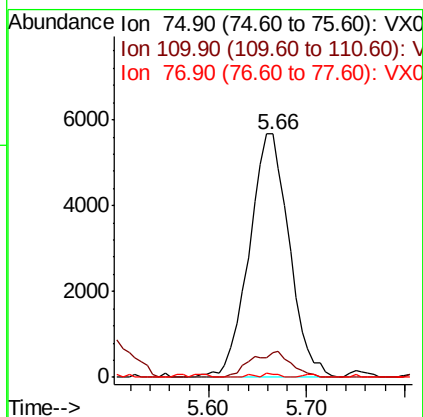
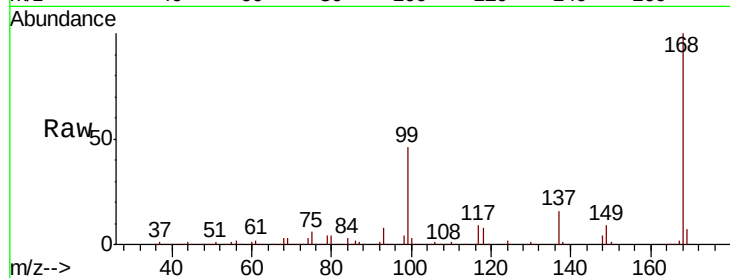




#36
 1,1-Dichloropropene
 Concen: 5.051 ug/l
 RT: 5.66 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010583.D
 Acq: 01 Jul 2019 12:14

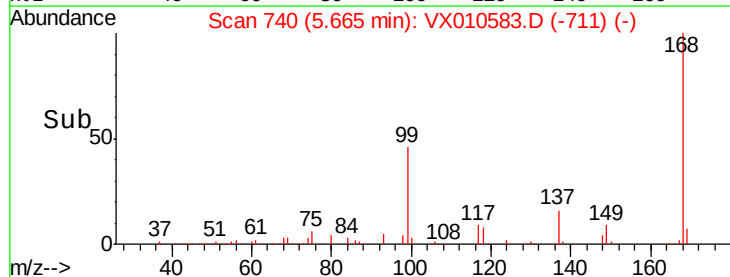
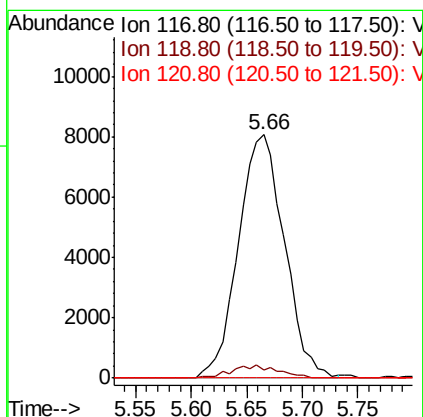
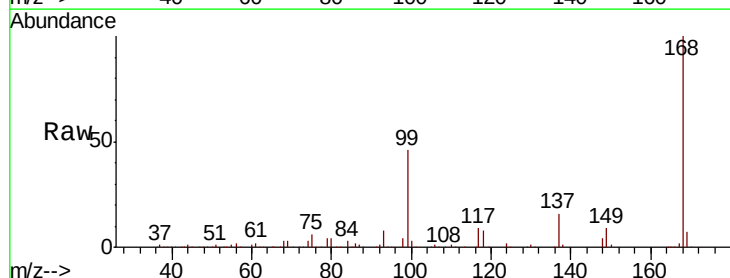
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0575

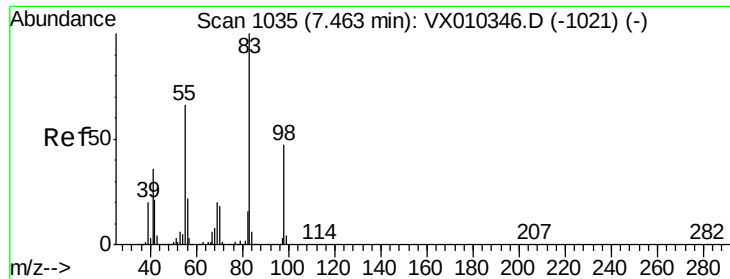
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.7	20.8	62.2#
77	0.5	25.4	38.0#



#38
 Carbon Tetrachloride
 Concen: 6.709 ug/l
 RT: 5.66 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX010583.D
 Acq: 01 Jul 2019 12:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.1	78.2	117.4#
121	0.0	24.7	37.1#

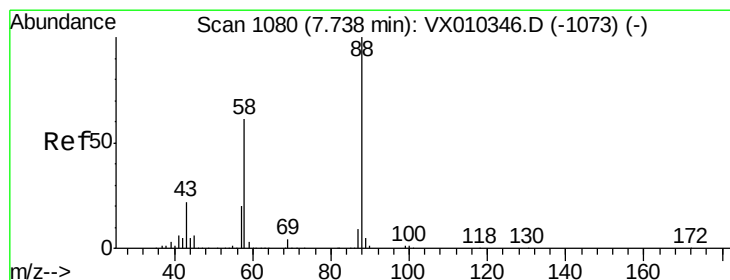
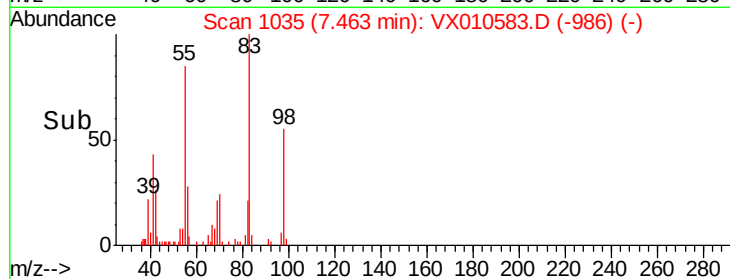
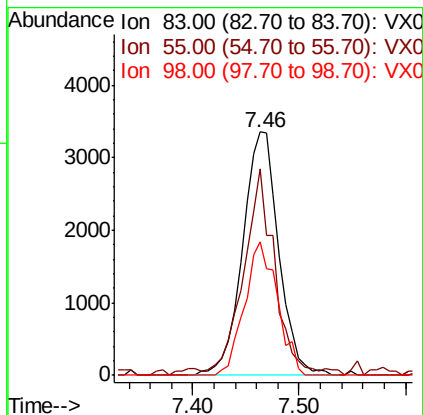
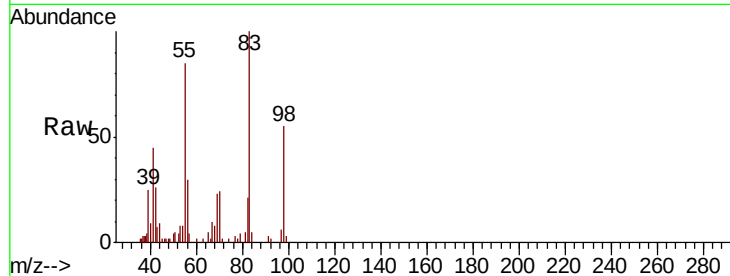




#39
Methylvlcyclohexane
Concen: 1.907 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010583.D
Acq: 01 Jul 2019 12:14

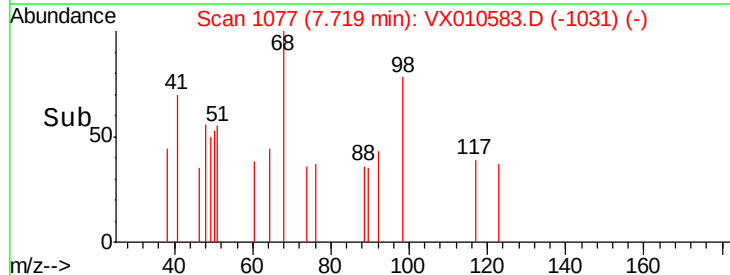
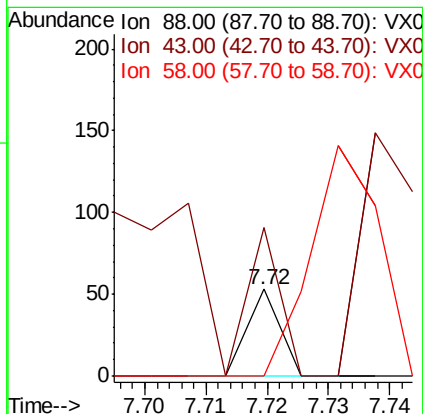
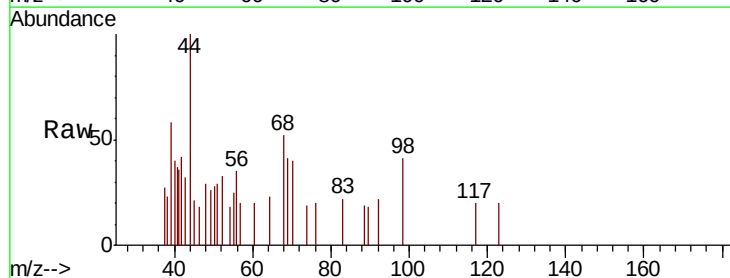
Instrument :
MSVOA_X
ClientSampled :
FL-0575

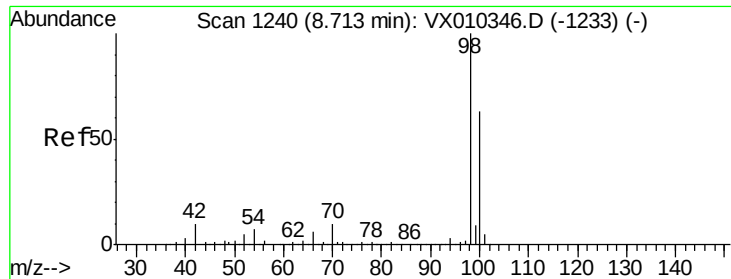
Tot Ion: 83 Resp: 7982
Ion Ratio Lower Upper
83 100
55 82.2 53.0 79.6#
98 54.9 37.8 56.8



#49
1,4-Dioxane
Concen: 0.262 ug/l
RT: 7.72 min Scan# 1077
Delta R.T. -0.02 min
Lab File: VX010583.D
Acq: 01 Jul 2019 12:14

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 652.6 20.2 30.2#
58 573.7 49.5 74.3#

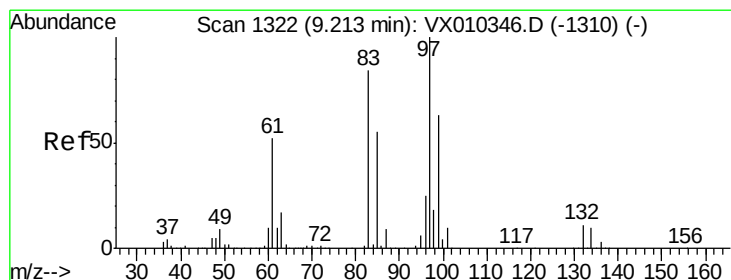
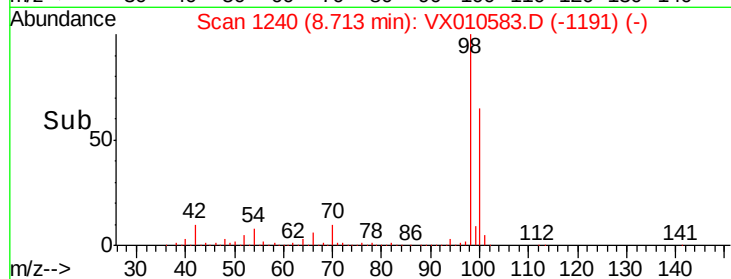
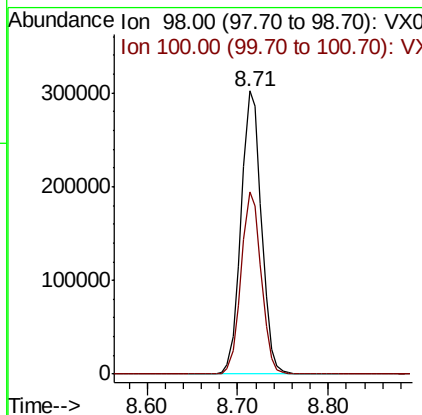
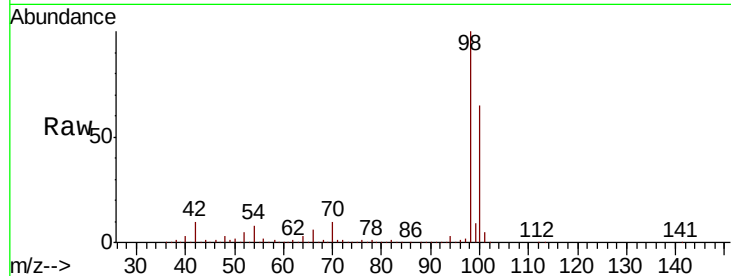




#50
Toluene-d8
Concen: 50.059 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010583.D
Acq: 01 Jul 2019 12:14

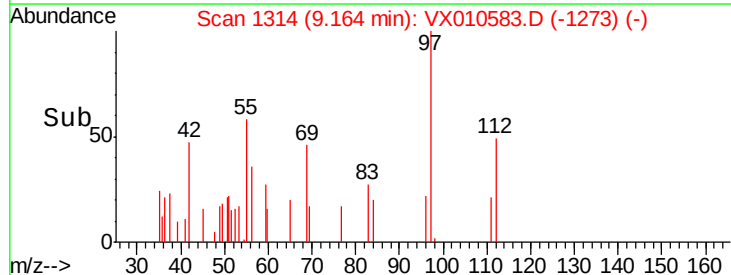
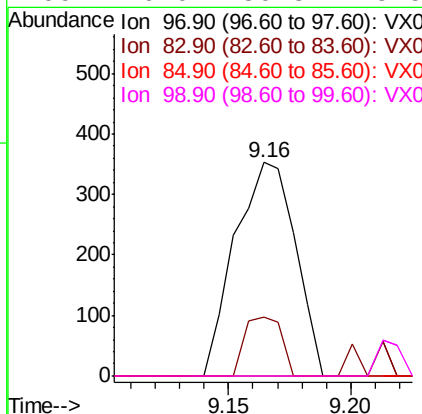
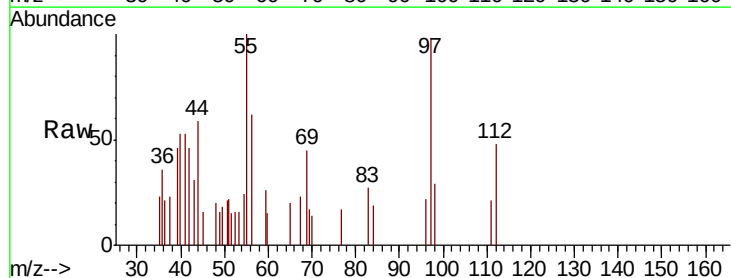
Instrument :
MSVOA_X
ClientSampleId :
FL-0575

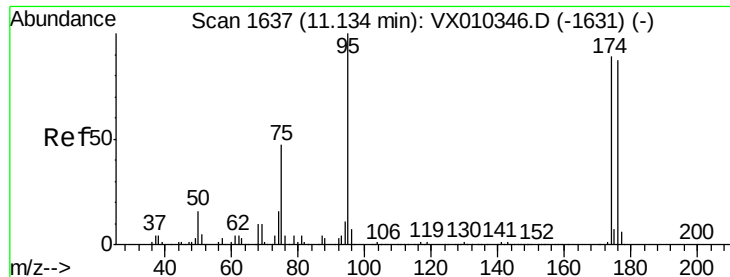
Tot Ion: 98 Resp: 469505
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4



#55
1,1,2-Trichloroethane
Concen: 0.226 ug/l
RT: 9.16 min Scan# 1314
Delta R.T. -0.05 min
Lab File: VX010583.D
Acq: 01 Jul 2019 12:14

Tgt Ion: 97 Resp: 608
Ion Ratio Lower Upper
97 100
83 27.5 67.4 101.0#
85 0.0 43.8 65.8#
99 0.0 50.3 75.5#





#62

4-Bromofluorobenzene

Concen: 46.524 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010583.D

Acq: 01 Jul 2019 12:14

Instrument :

MSVOA_X

ClientSampleId :

FL-0575

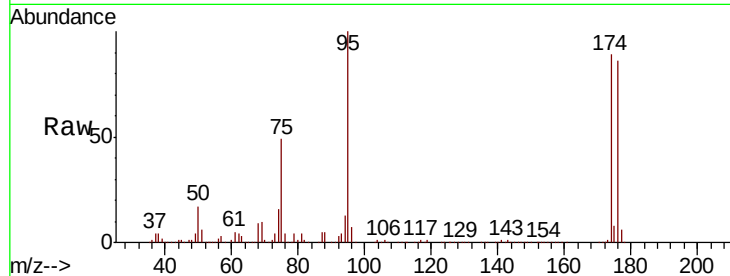
Tot Ion: 95 Resp: 157536

Ion Ratio Lower Upper

95 100

174 94.7 0.0 187.6

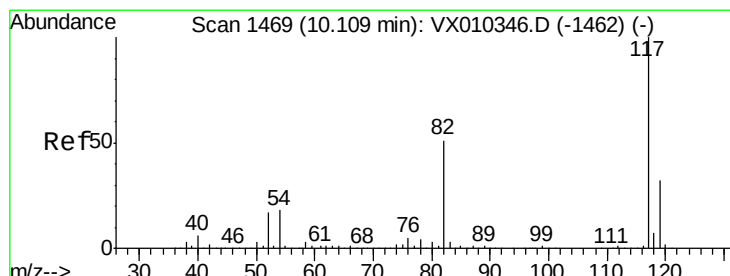
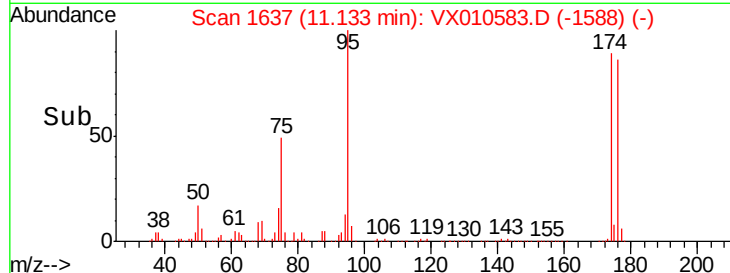
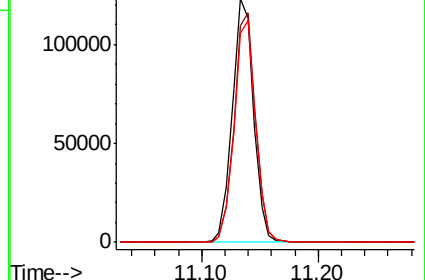
176 91.6 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010346.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010346.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010346.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010583.D

Acq: 01 Jul 2019 12:14

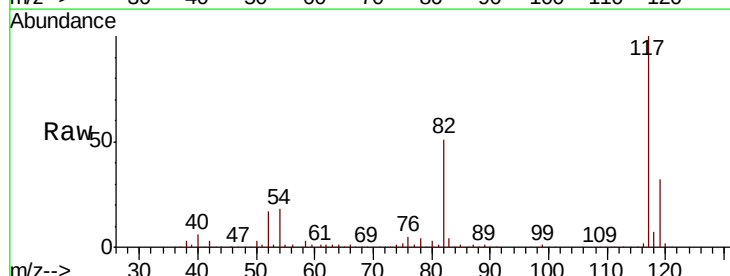
Tgt Ion: 117 Resp: 359423

Ion Ratio Lower Upper

117 100

82 51.2 41.2 61.8

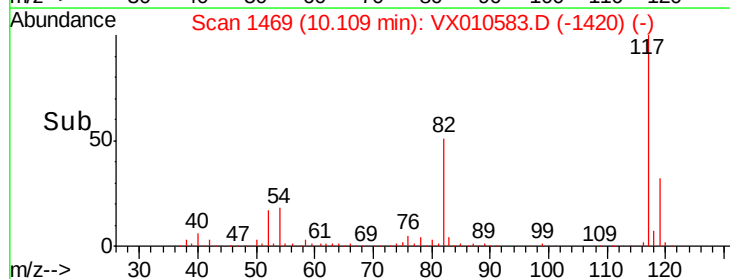
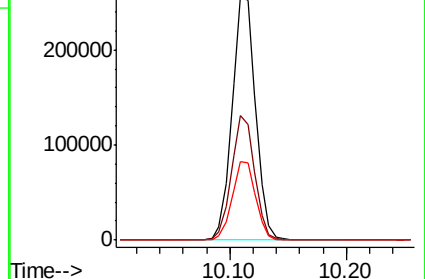
119 32.5 25.5 38.3

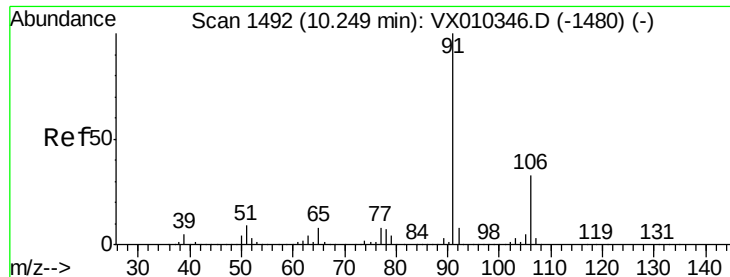


Abundance Ion 116.90 (116.60 to 117.60): VX010346.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010346.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010346.D (-1462) (-)





#67

Ethyl Benzene

Concen: 0.542 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX010583.D

Acq: 01 Jul 2019 12:14

Instrument :

MSVOA_X

ClientSampled :

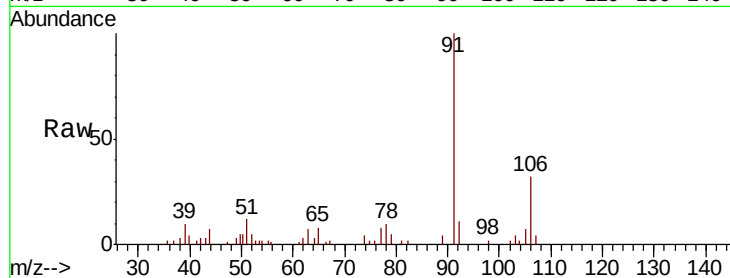
FL-0575

Tot Ion: 91 Resp: 6682

Ion Ratio Lower Upper

91 100

106 32.4 26.2 39.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

10.25

4000

3000

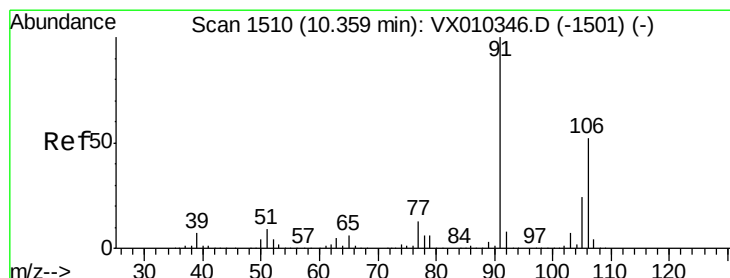
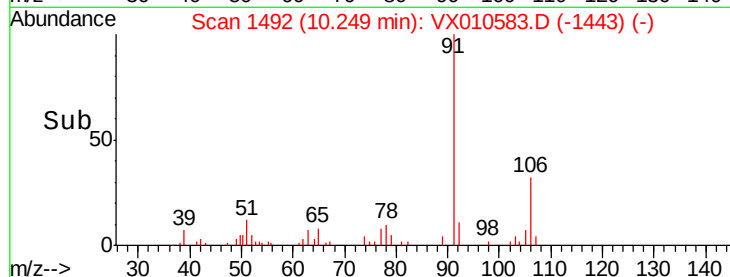
2000

1000

0

10.20 10.25 10.30

Time-->



#68

m/p-Xylenes

Concen: 0.938 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX010583.D

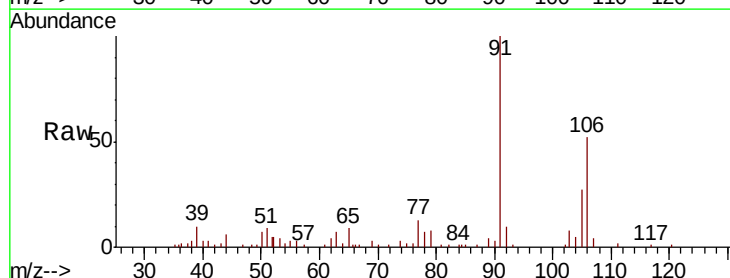
Acq: 01 Jul 2019 12:14

Tgt Ion: 106 Resp: 4478

Ion Ratio Lower Upper

106 100

91 203.2 155.3 232.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

10.36

6000

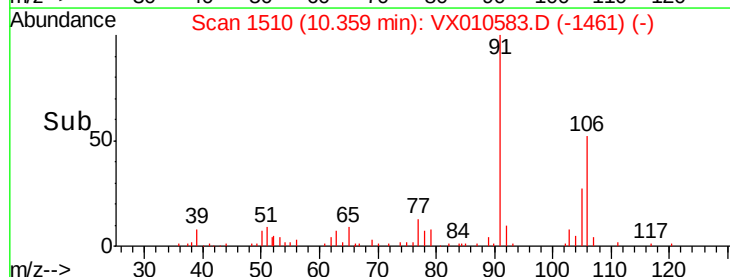
4000

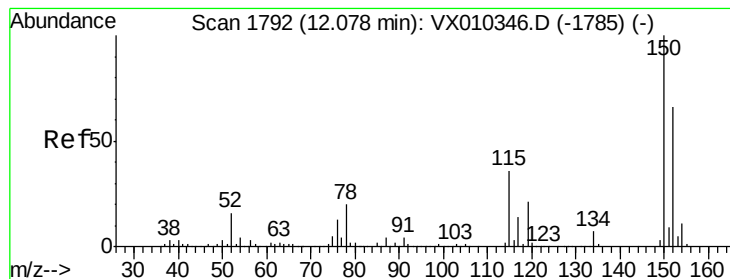
2000

0

10.30 10.35 10.40 10.45

Time-->



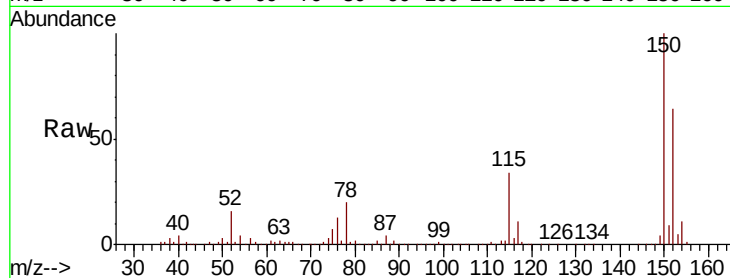


#72

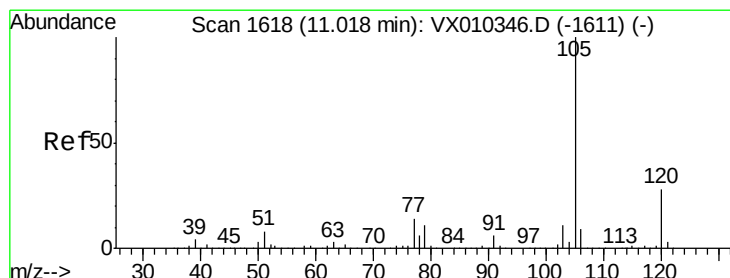
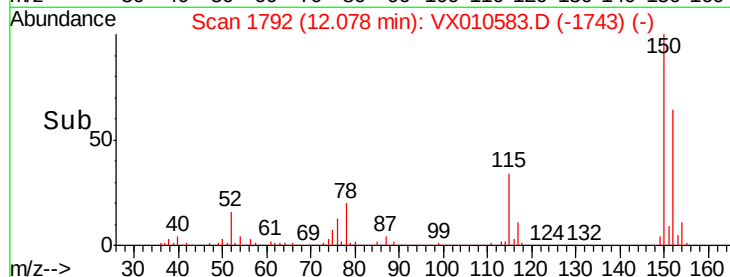
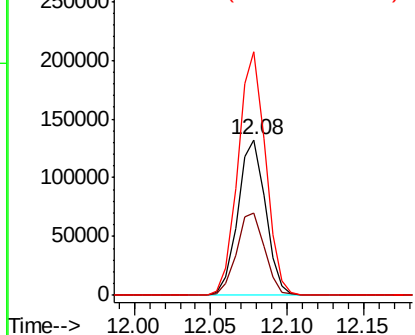
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010583.D
Acq: 01 Jul 2019 12:14

Instrument :
MSVOA_X
ClientSampled :
FL-0575

Tot Ion:152 Resp: 165696
Ion Ratio Lower Upper
152 100
115 53.9 38.6 115.7
150 156.2 0.0 347.4



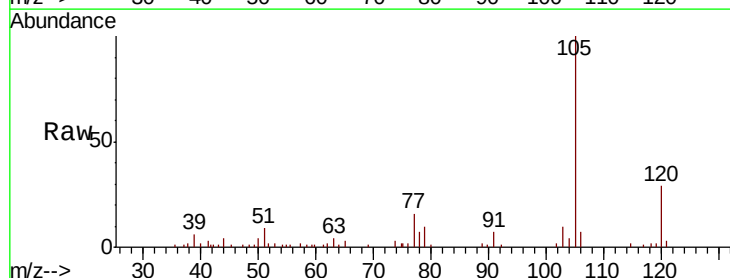
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



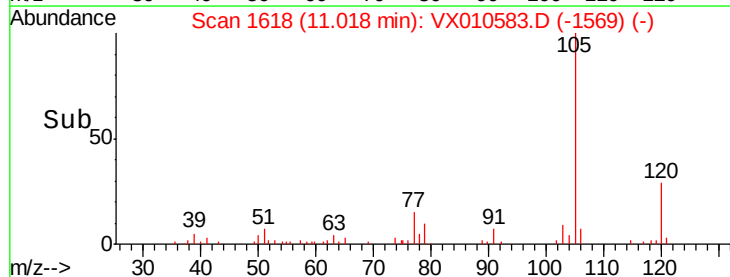
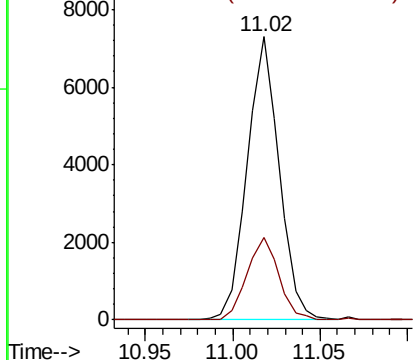
#73

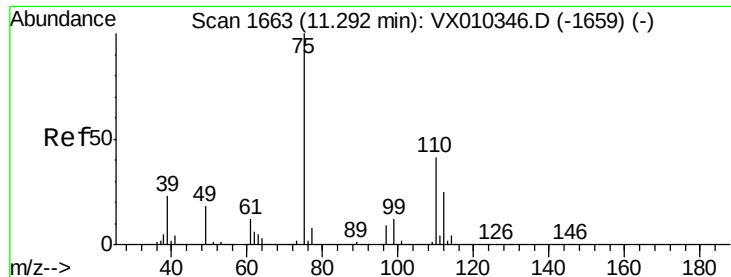
Isopropylbenzene
Concen: 0.825 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX010583.D
Acq: 01 Jul 2019 12:14

Tgt Ion:105 Resp: 9264
Ion Ratio Lower Upper
105 100
120 28.7 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

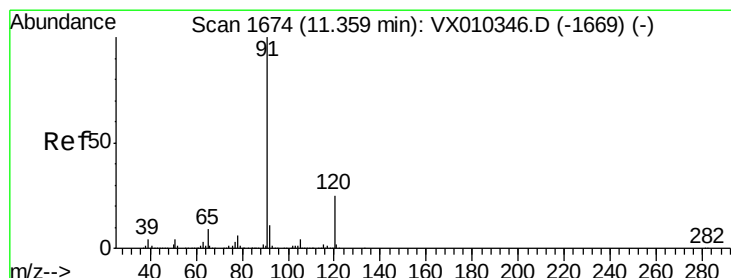
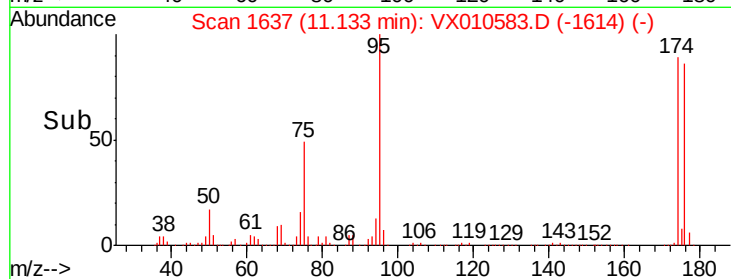
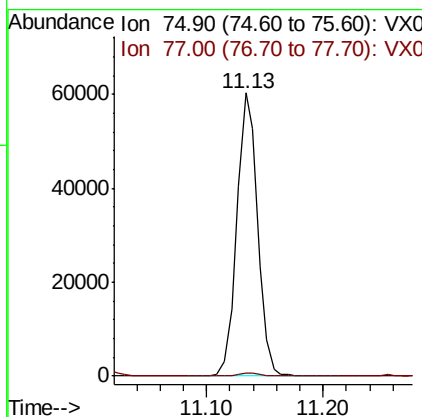
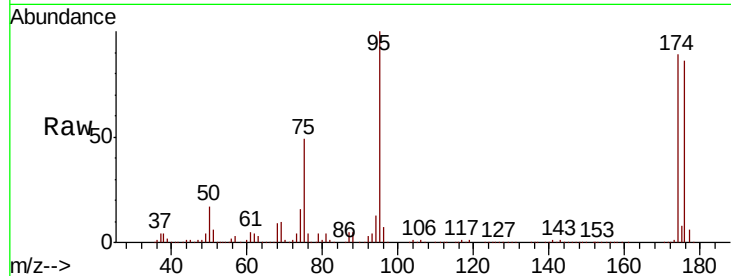




#76
 1,2,3-Trichloropropane
 Concen: 24.921 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010583.D
 Acq: 01 Jul 2019 12:14

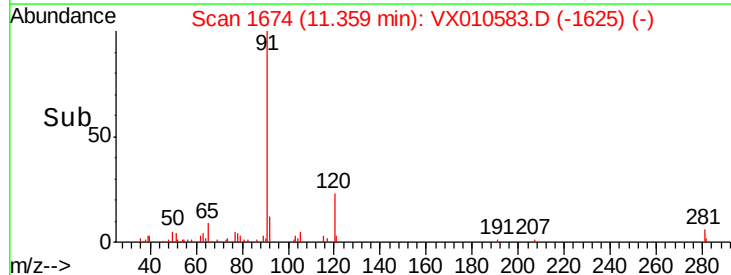
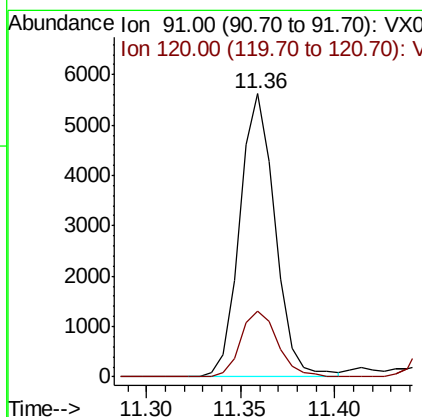
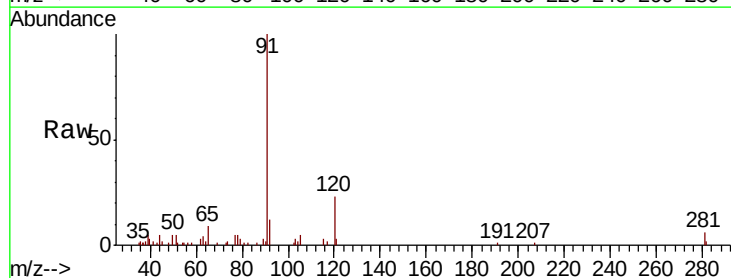
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0575

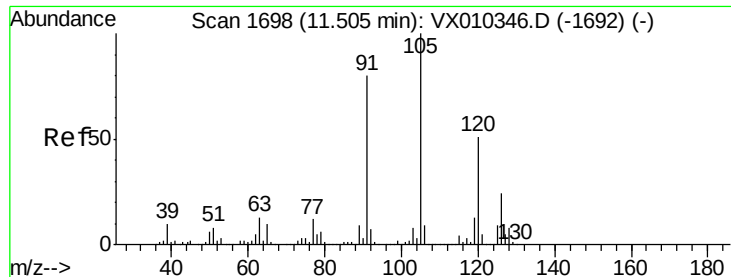
Tot Ion: 75 Resp: 75247
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.6 67.8#



#78
 n-propylbenzene
 Concen: 0.592 ug/l
 RT: 11.36 min Scan# 1674
 Delta R.T. -0.00 min
 Lab File: VX010583.D
 Acq: 01 Jul 2019 12:14

Tgt Ion: 91 Resp: 7305
 Ion Ratio Lower Upper
 91 100
 120 24.1 12.4 37.4





#80

1,3,5-Trimethylbenzene

Concen: 0.540 ug/l

RT: 11.45 min Scan# 1689

Delta R.T. -0.05 min

Lab File: VX010583.D

Acq: 01 Jul 2019 12:14

Instrument :

MSVOA_X

ClientSampleId :

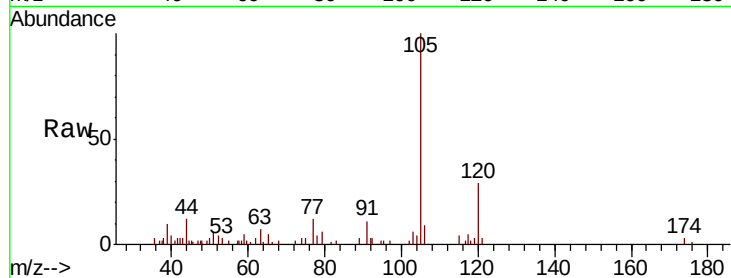
FL-0575

Tot Ion:105 Resp: 4997

Ion Ratio Lower Upper

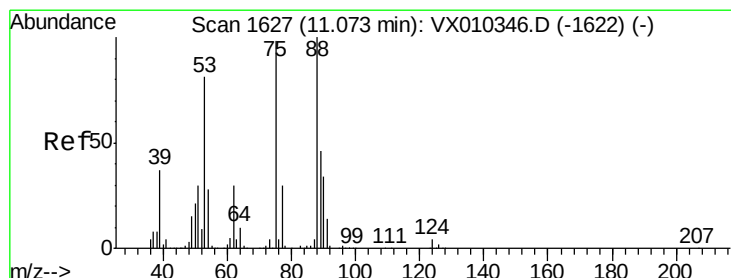
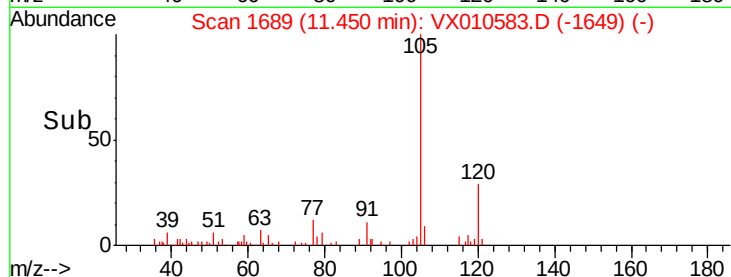
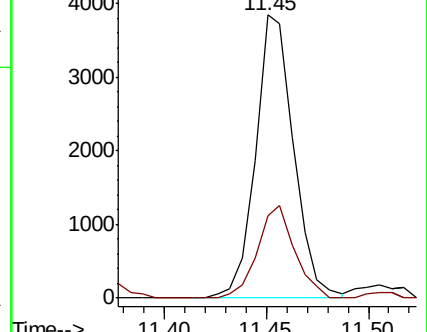
105 100

120 31.9 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 58.138 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010583.D

Acq: 01 Jul 2019 12:14

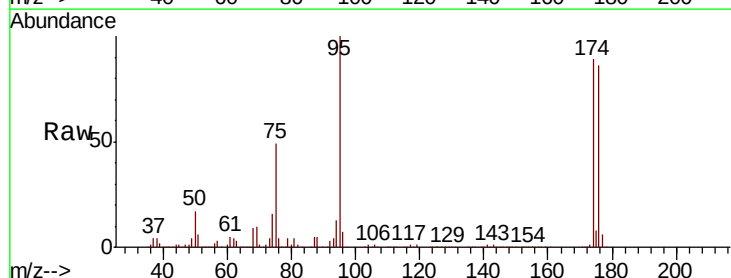
Tgt Ion: 75 Resp: 75247

Ion Ratio Lower Upper

75 100

53 0.2 66.1 99.1#

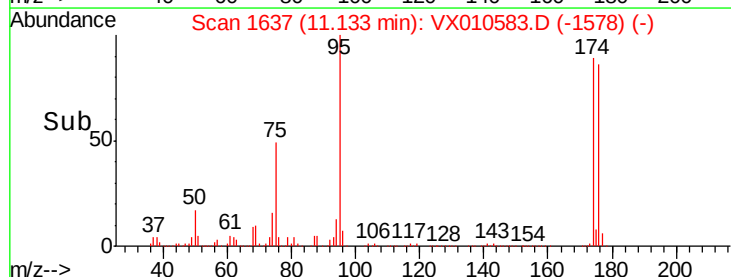
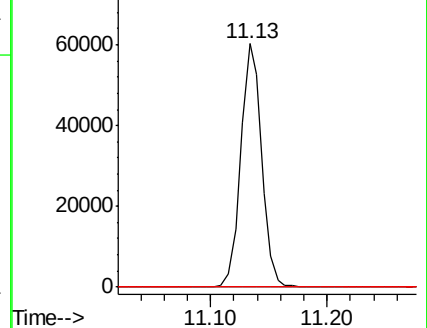
89 0.1 37.8 56.6#

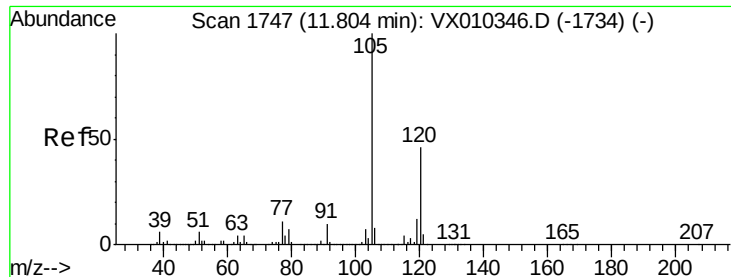


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#84

1,2,4-Trimethylbenzene

Concen: 2.952 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX010583.D

Acq: 01 Jul 2019 12:14

Instrument :

MSVOA_X

ClientSampled :

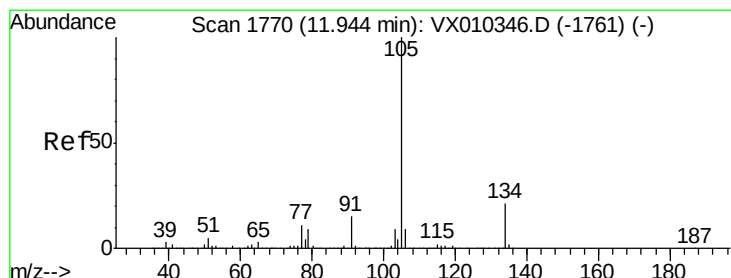
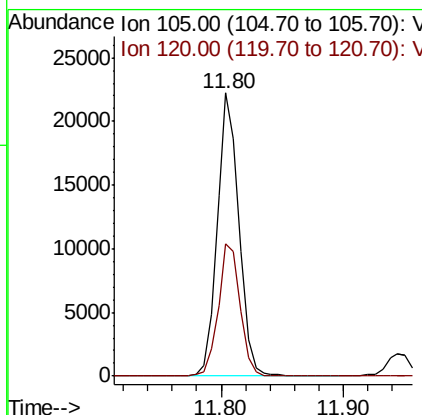
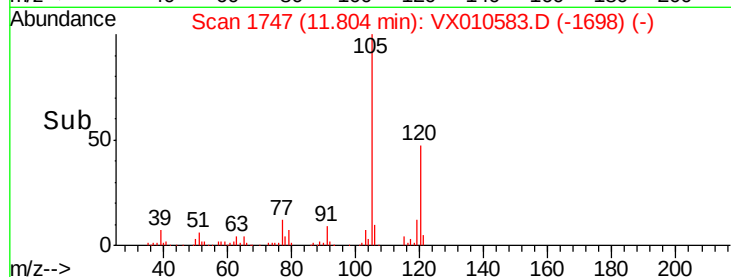
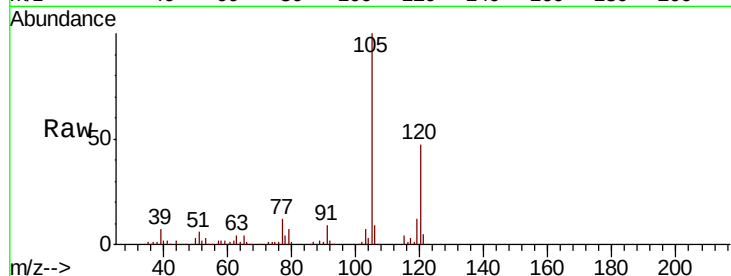
FL-0575

Tot Ion:105 Resp: 27464

Ion Ratio Lower Upper

105 100

120 47.0 23.1 69.2



#85

sec-Butylbenzene

Concen: 0.229 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010583.D

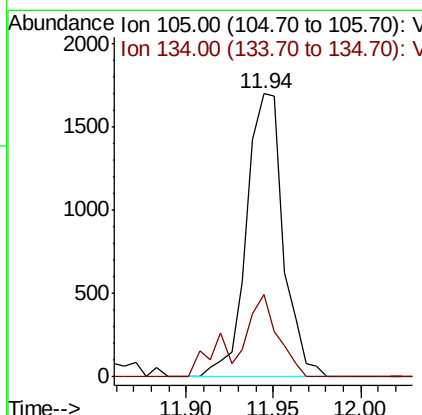
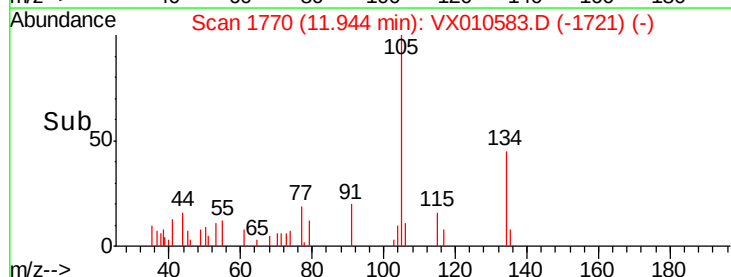
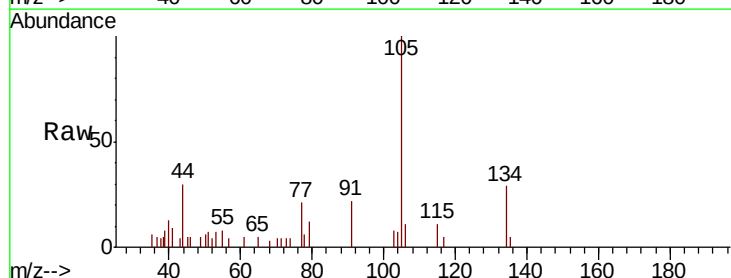
Acq: 01 Jul 2019 12:14

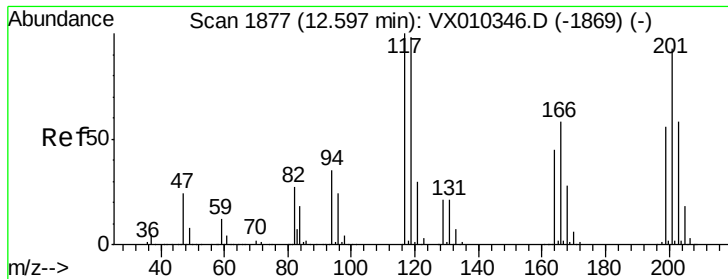
Tgt Ion:105 Resp: 2494

Ion Ratio Lower Upper

105 100

134 23.2 10.7 31.9





#90

Hexachloroethane

Concen: 0.347 ug/l

RT: 12.61 min Scan# 1879

Delta R.T. 0.01 min

Lab File: VX010583.D

Acq: 01 Jul 2019 12:14

Instrument :

MSVOA_X

ClientSampleId :

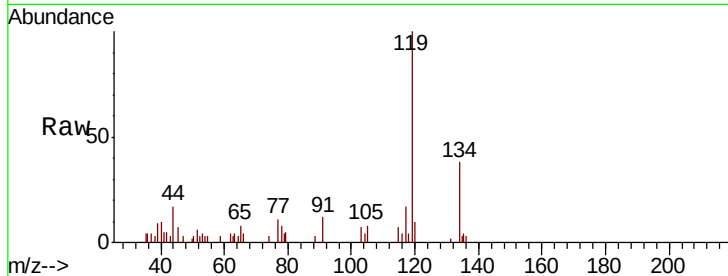
FL-0575

Tot Ion:117 Resp: 605

Ion Ratio Lower Upper

117 100

201 0.0 44.0 131.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

12.61

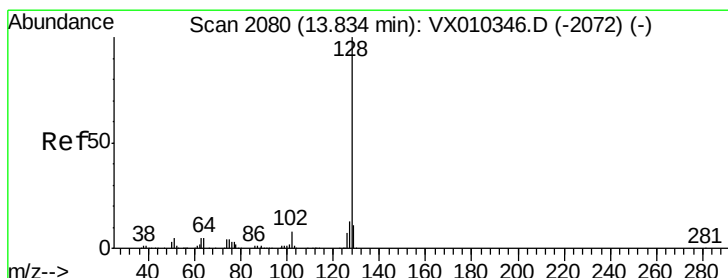
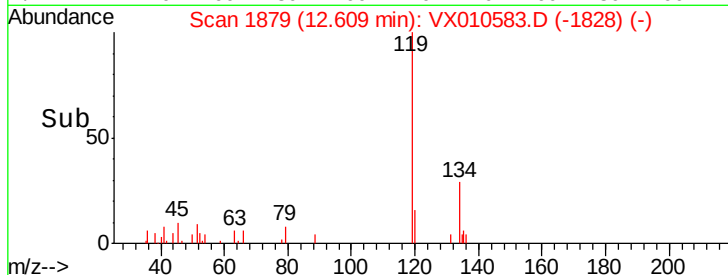
300

200

100

0

Time-->



#95

Naphthalene

Concen: 0.824 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX010583.D

Acq: 01 Jul 2019 12:14

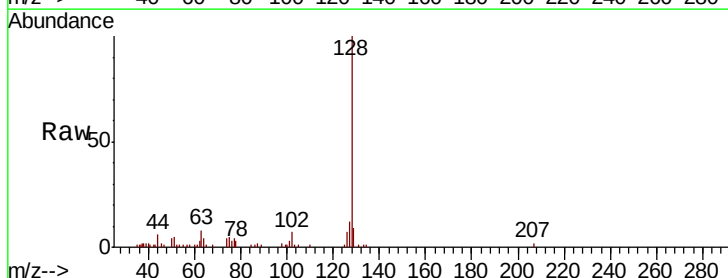
Tgt Ion:128 Resp: 9557

Ion Ratio Lower Upper

128 100

127 13.9 10.2 15.4

129 10.3 8.9 13.3



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

10000

8000

6000

4000

2000

0

Time-->

