

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062719\
 Data File : VX010491.D
 Acq On : 27 Jun 2019 16:06
 Operator : JC/SP
 Sample : K3565-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0573

Quant Time: Jun 28 06:48:23 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	5.67	168	261213	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	400234	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	368577	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	181357	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	121882	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	
35) Dibromofluoromethane	5.50	113	120823	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
50) Toluene-d8	8.71	98	479052	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
62) 4-Bromofluorobenzene	11.13	95	165109	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	532	0.252	ug/l	90
5) Bromomethane	1.65	94	304	0.269	ug/l #	51
11) Tert butyl alcohol	3.02	59	1974	3.080	ug/l #	74
13) Acrolein	2.29	56	121	0.285	ug/l #	14
14) Allyl chloride	2.78	41	1334	0.415	ug/l #	67
16) Acetone	2.44	43	1094	0.891	ug/l	91
18) Methyl Acetate	2.78	43	1781	0.728	ug/l #	54
25) 2-Butanone	4.70	43	498	0.277	ug/l #	27
31) Cyclohexane	5.58	56	238623	67.453	ug/l	96
36) 1,1-Dichloropropene	5.66	75	15852	4.984	ug/l #	47
38) Carbon Tetrachloride	5.66	117	23381	6.789	ug/l #	15
39) Methylcyclohexane	7.46	83	318504	76.185	ug/l	96
43) Isopropyl Acetate	6.45	43	3654	0.675	ug/l #	66
45) 1,2-Dichloropropane	7.46	63	3090	1.235	ug/l #	1
47) Bromodichloromethane	7.85	83	1077	0.327	ug/l #	14
48) Methyl methacrylate	7.73	41	13002	5.167	ug/l #	45
49) 1,4-Dioxane	7.81	88	23	0.317	ug/l #	1
51) 4-Methyl-2-Pentanone	8.66	43	3349	0.967	ug/l #	40
52) Toluene	8.79	92	1607	0.246	ug/l	97
55) 1,1,2-Trichloroethane	9.16	97	22808	8.475	ug/l #	20
56) Ethyl methacrylate	9.16	69	4663	1.144	ug/l #	1
67) Ethyl Benzene	10.25	91	429308	33.984	ug/l	100
68) m/p-Xylenes	10.35	106	991890	202.640	ug/l	99
69) o-Xylene	10.69	106	531229	110.360	ug/l	100
70) Styrene	10.69	104	25565	3.167	ug/l #	1
73) Isopropylbenzene	11.02	105	347887	28.298	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	1102	0.271	ug/l #	47
76) 1,2,3-Trichloropropane	11.43	75	5545	1.678	ug/l #	1
78) n-propylbenzene	11.36	91	254649	18.847	ug/l	100
79) 2-Chlorotoluene	11.43	91	76396	9.495	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.51	105	364590	35.974	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.02	75	4013	2.833	ug/l #	68
82) 4-Chlorotoluene	11.51	91	37005	4.042	ug/l #	42
83) tert-Butylbenzene	11.76	119	4000	0.393	ug/l #	43

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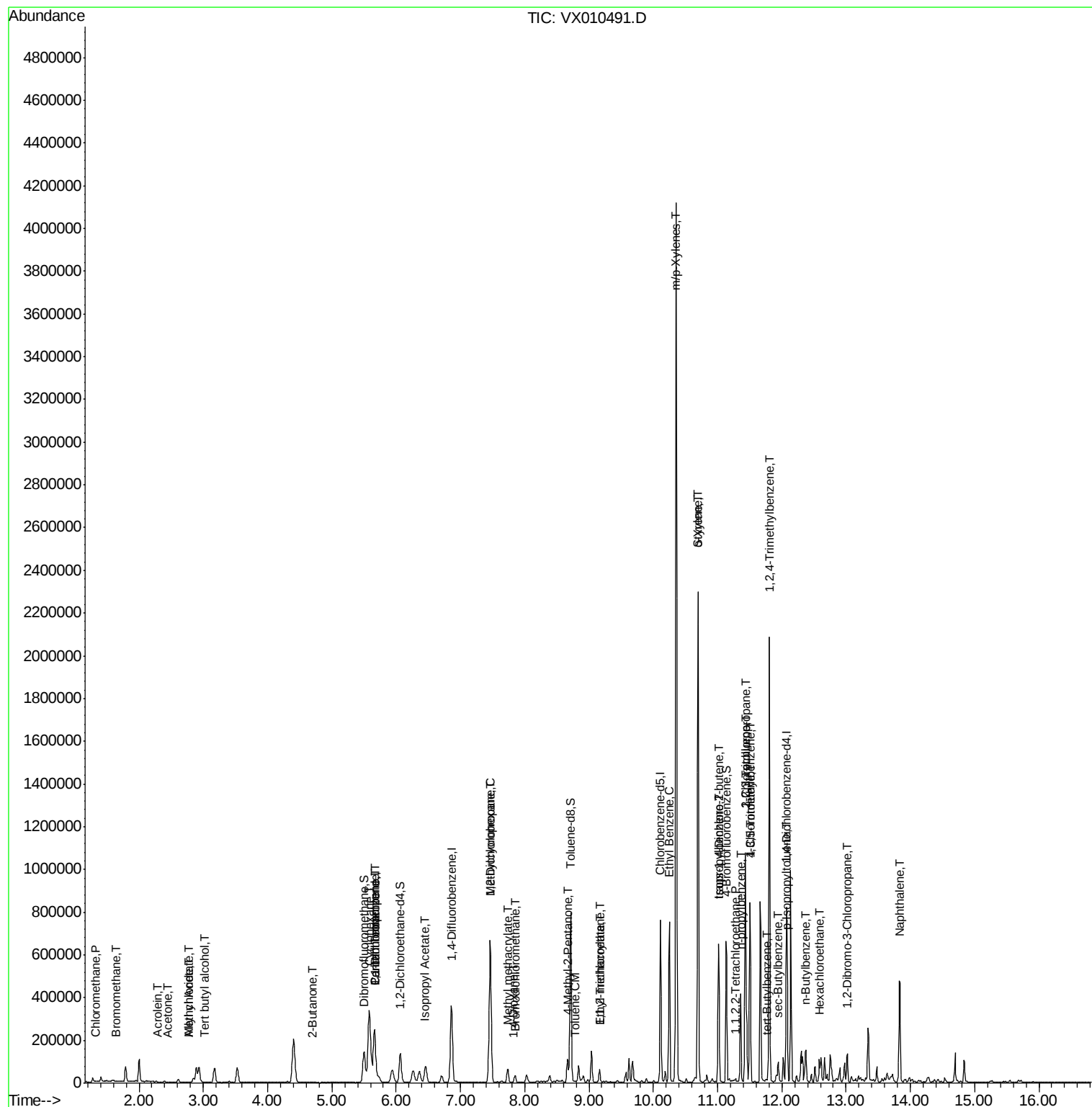
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	11.80	105	897176	88.112	ug/l	99
85) sec-Butylbenzene	11.94	105	46480	3.892	ug/l	96
86) p-Isopropyltoluene	12.06	119	32165	2.912	ug/l	99
89) n-Butylbenzene	12.38	91	20746	2.210	ug/l #	16
90) Hexachloroethane	12.58	117	4963	2.598	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	13.01	75	551	0.628	ug/l #	1
95) Naphthalene	13.83	128	314411	24.773	ug/l	99

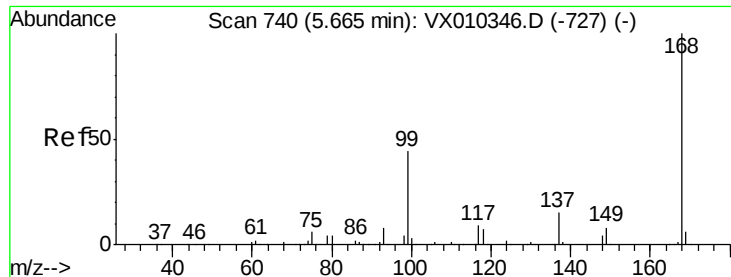
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010491.D

Acq: 27 Jun 2019 16:06

Instrument :

MSVOA_X

ClientSampleId :

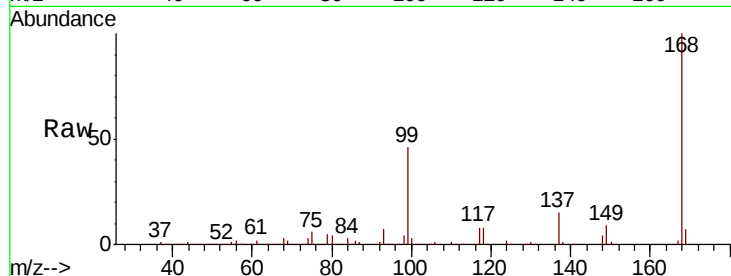
FL-0573

Tot Ion:168 Resp: 261213

Ion Ratio Lower Upper

168 100

99 46.2 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

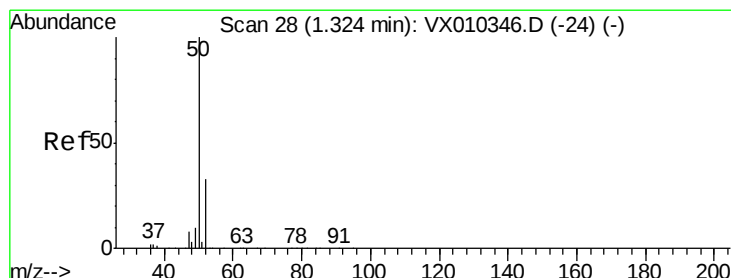
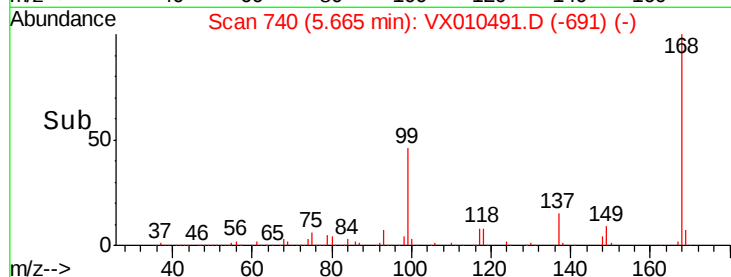
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.252 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010491.D

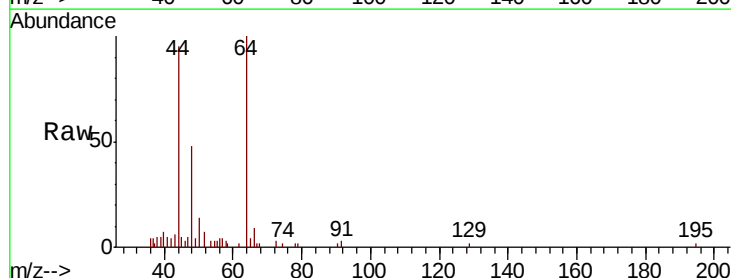
Acq: 27 Jun 2019 16:06

Tgt Ion: 50 Resp: 532

Ion Ratio Lower Upper

50 100

52 38.6 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

400

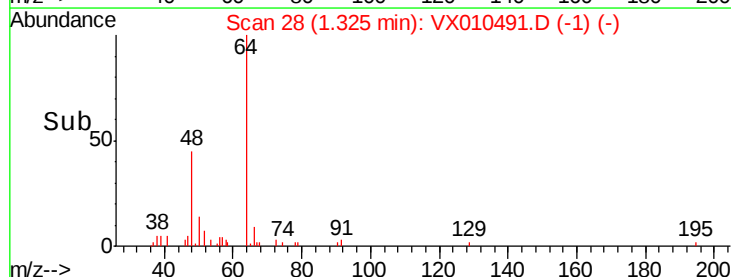
300

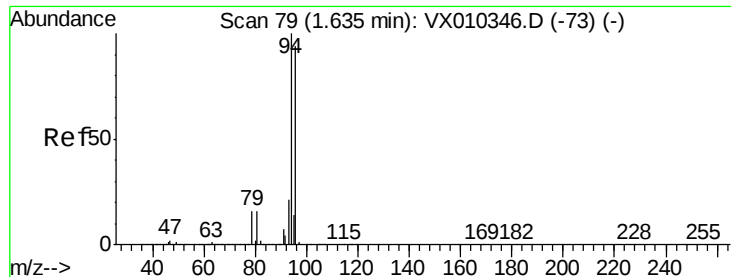
200

100

0

Time-->





#5

Bromomethane

Concen: 0.269 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010491.D

Acq: 27 Jun 2019 16:06

Instrument :

MSVOA_X

ClientSampled :

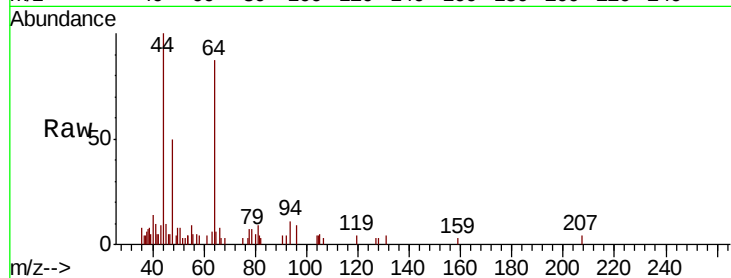
FL-0573

Tot Ion: 94 Resp: 304

Ion Ratio Lower Upper

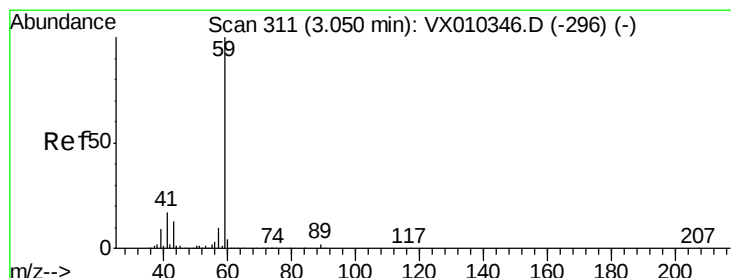
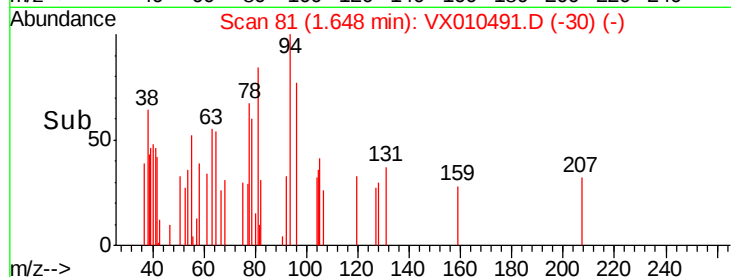
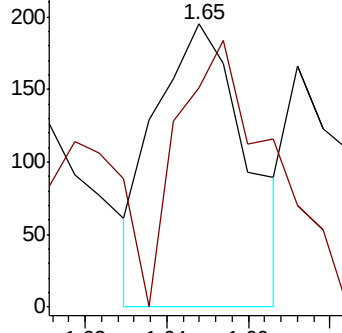
94 100

96 47.0 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 3.080 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX010491.D

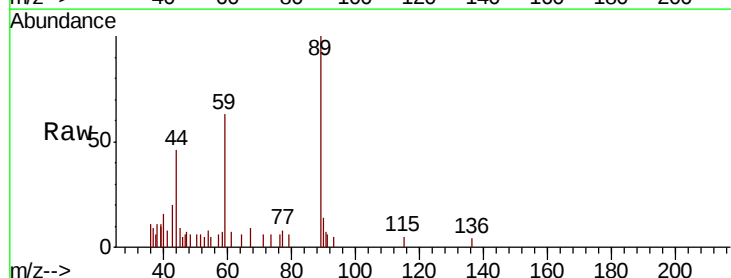
Acq: 27 Jun 2019 16:06

Tgt Ion: 59 Resp: 1974

Ion Ratio Lower Upper

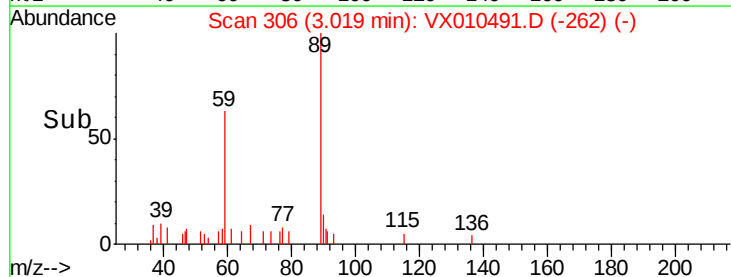
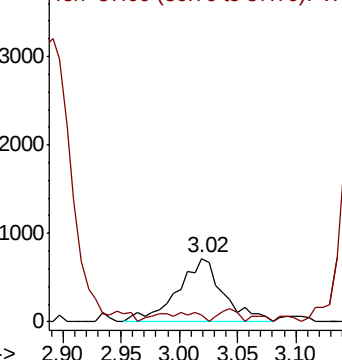
59 100

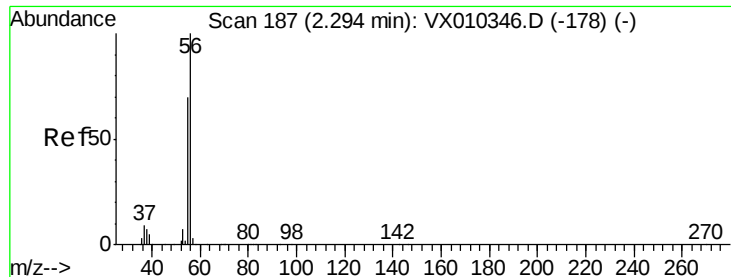
57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.285 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX010491.D

Acq: 27 Jun 2019 16:06

Instrument :

MSVOA_X

ClientSampled :

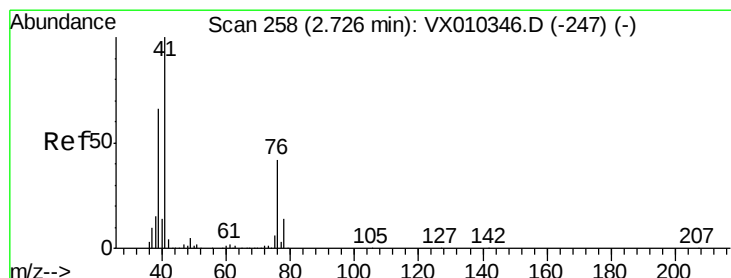
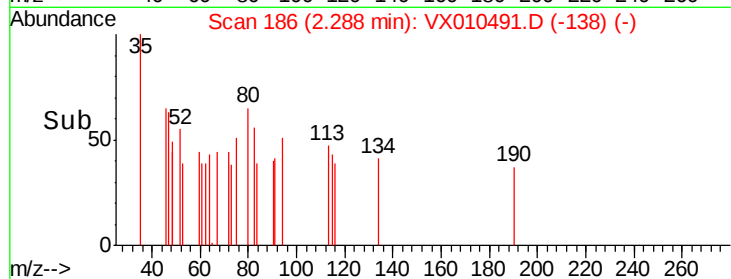
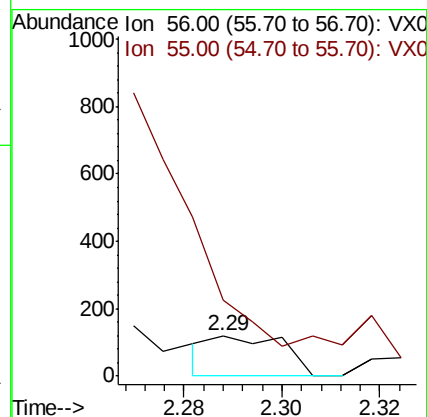
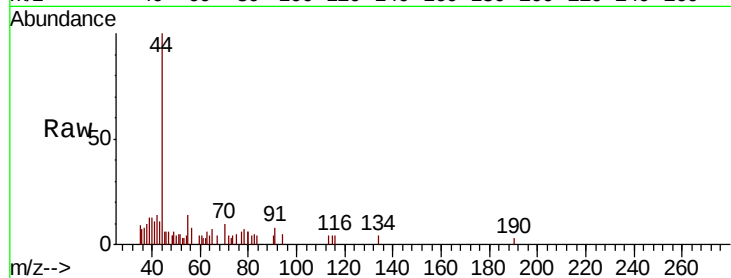
FL-0573

Tot Ion: 56 Resp: 121

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



#14

Allyl chloride

Concen: 0.415 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.05 min

Lab File: VX010491.D

Acq: 27 Jun 2019 16:06

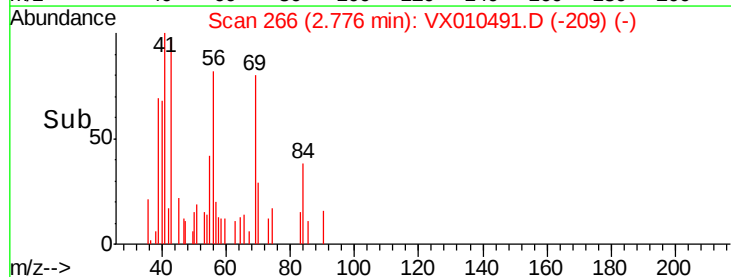
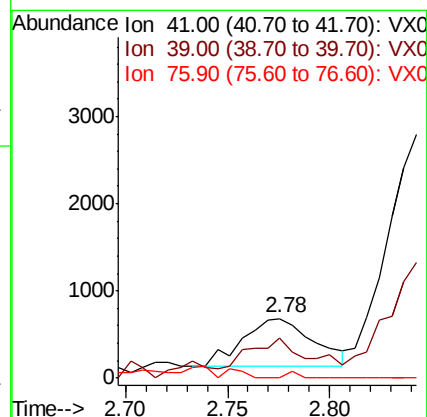
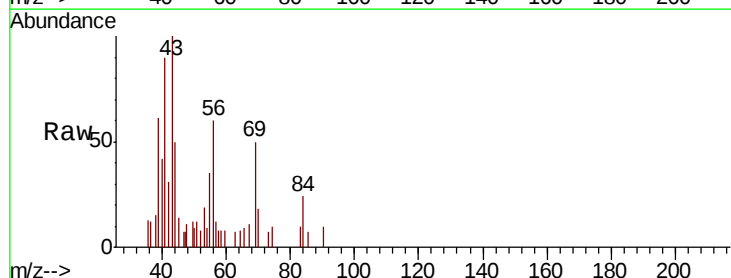
Tgt Ion: 41 Resp: 1334

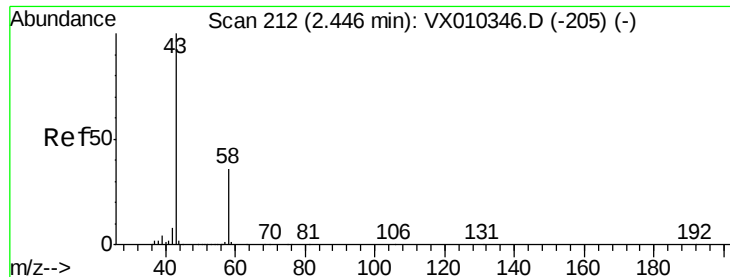
Ion Ratio Lower Upper

41 100

39 50.6 50.3 75.5

76 2.2 31.3 46.9#





#16

Acetone

Concen: 0.891 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010491.D

Acq: 27 Jun 2019 16:06

Instrument :

MSVOA_X

ClientSampled :

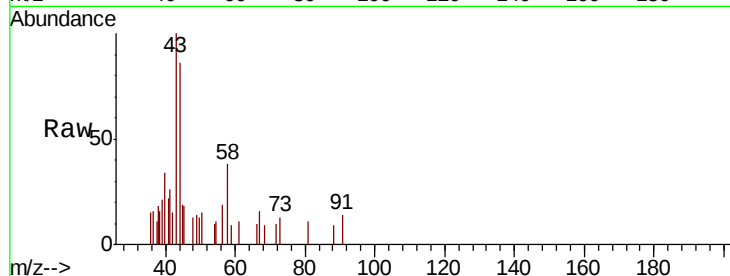
FL-0573

Tot Ion: 43 Resp: 1094

Ion Ratio Lower Upper

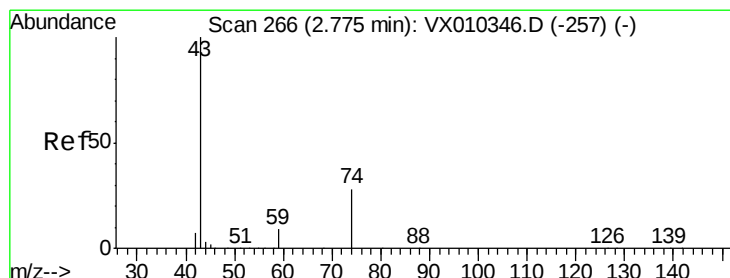
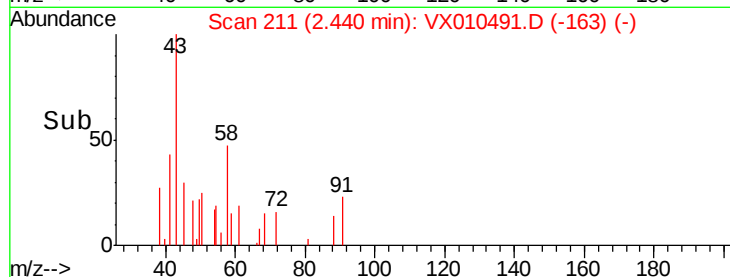
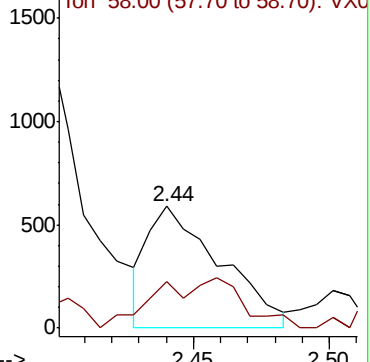
43 100

58 30.8 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.728 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010491.D

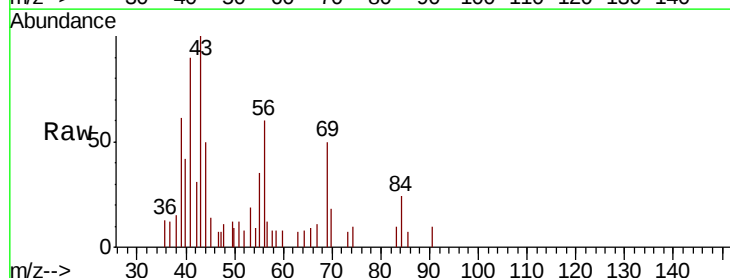
Acq: 27 Jun 2019 16:06

Tgt Ion: 43 Resp: 1781

Ion Ratio Lower Upper

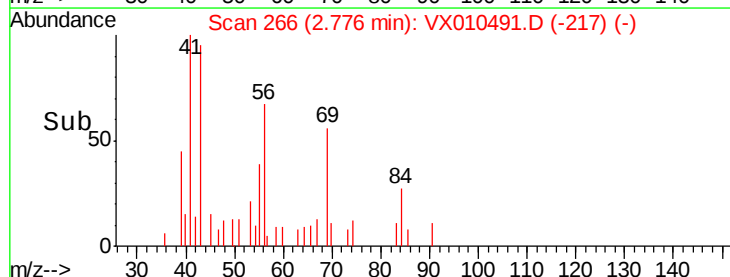
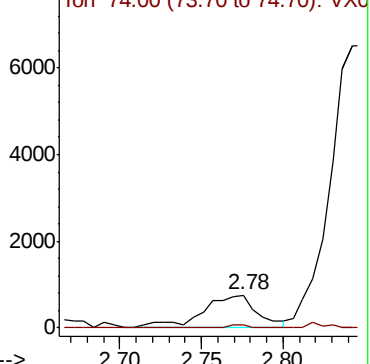
43 100

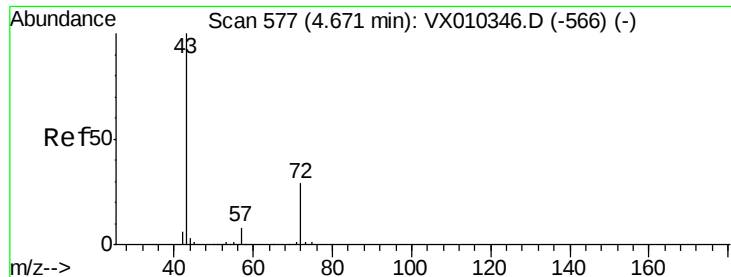
74 3.1 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#25

2-Butanone

Concen: 0.277 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX010491.D

Acq: 27 Jun 2019 16:06

Instrument :

MSVOA_X

ClientSampled :

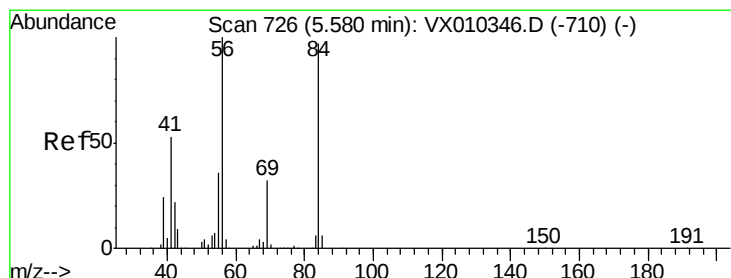
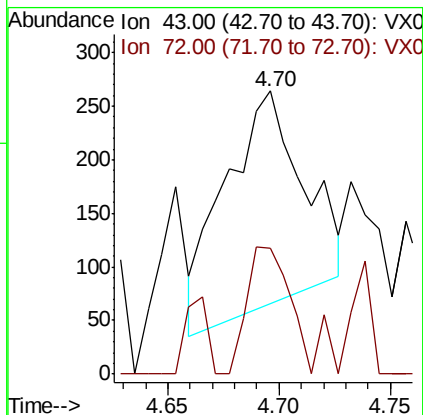
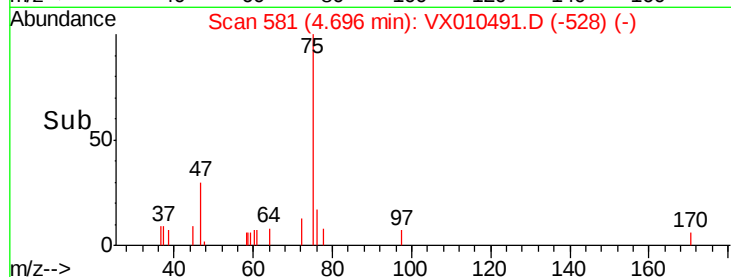
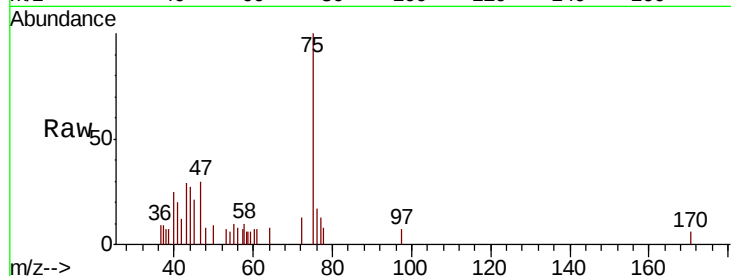
FL-0573

Tot Ion: 43 Resp: 498

Ion Ratio Lower Upper

43 100

72 68.2 23.3 34.9#



#31

Cyclohexane

Concen: 67.453 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010491.D

Acq: 27 Jun 2019 16:06

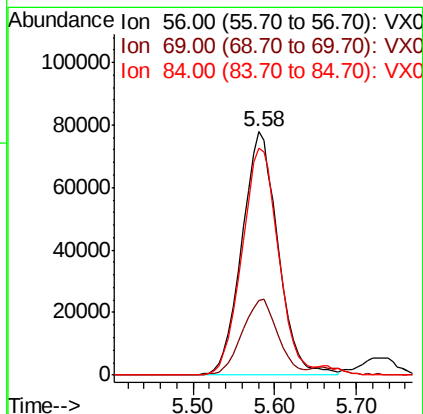
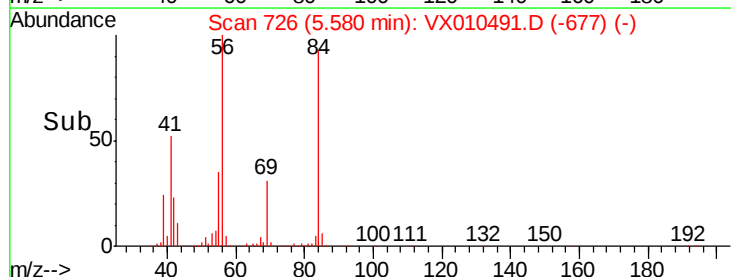
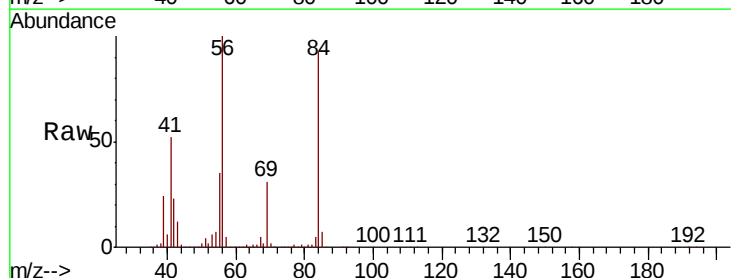
Tgt Ion: 56 Resp: 238623

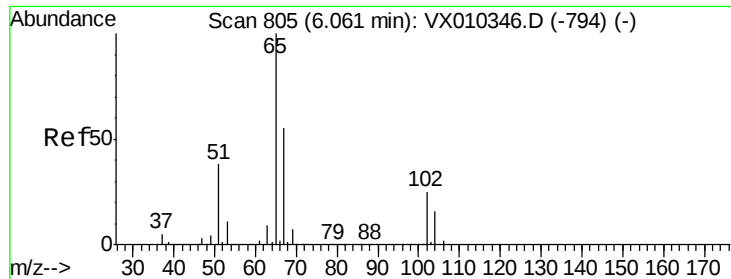
Ion Ratio Lower Upper

56 100

69 30.6 25.9 38.9

84 93.2 78.0 117.0





#33

1,2-Dichloroethane-d4

Concen: 49.765 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010491.D

Acq: 27 Jun 2019 16:06

Instrument :

MSVOA_X

ClientSampled :

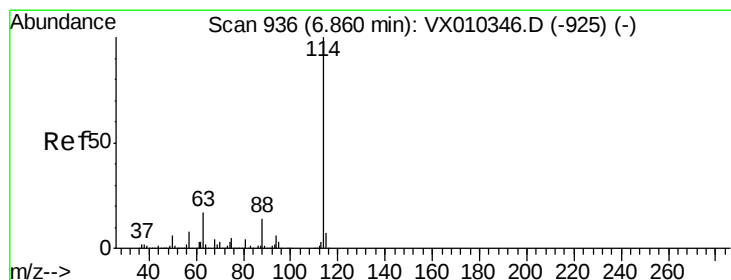
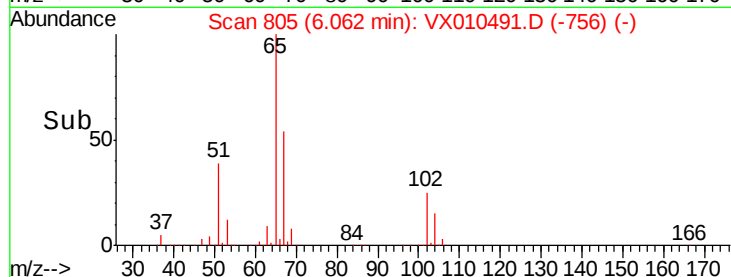
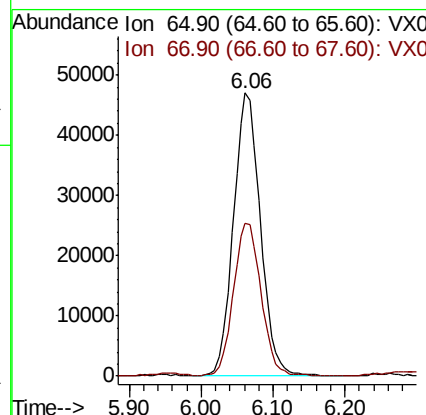
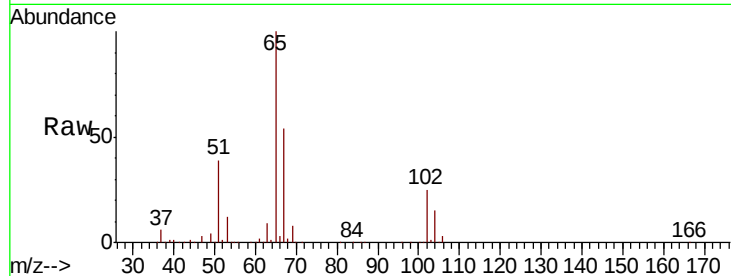
FL-0573

Tot Ion: 65 Resp: 121882

Ion Ratio Lower Upper

65 100

67 55.4 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010491.D

Acq: 27 Jun 2019 16:06

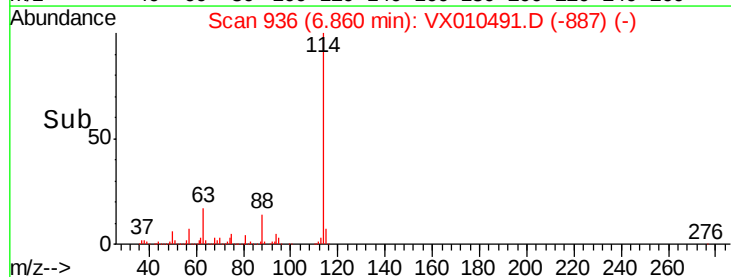
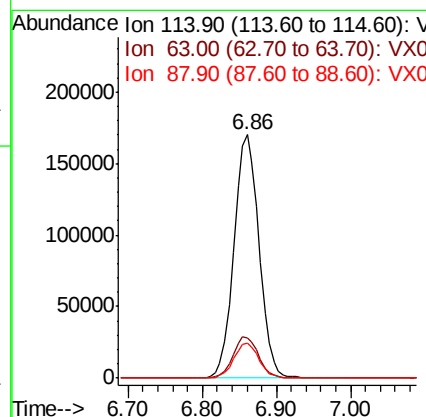
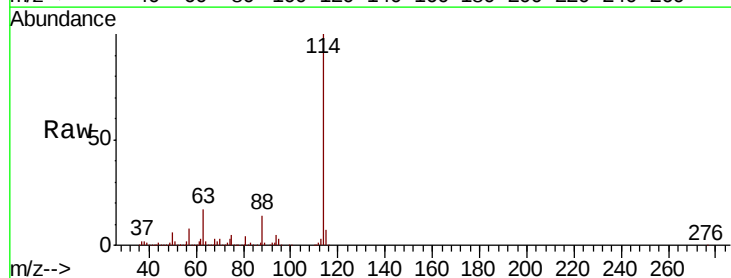
Tgt Ion: 114 Resp: 400234

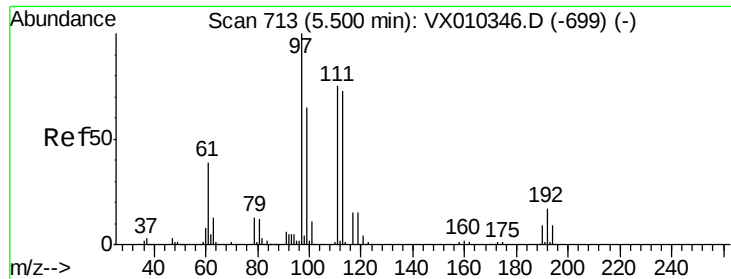
Ion Ratio Lower Upper

114 100

63 16.5 0.0 33.8

88 14.3 0.0 27.6

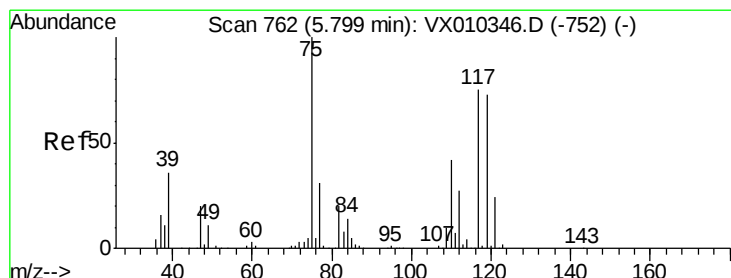
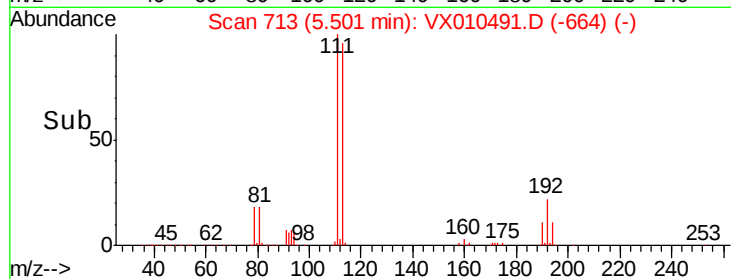
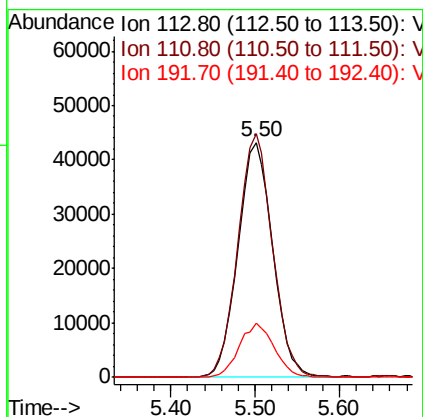
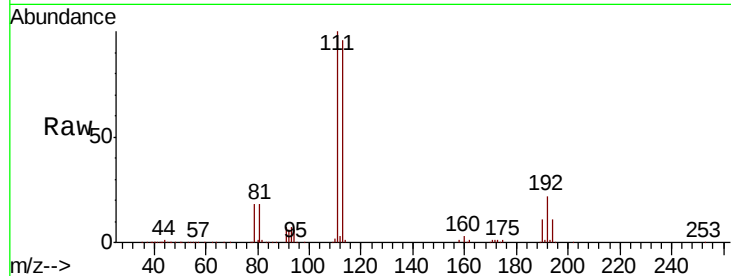




#35
 Dibromofluoromethane
 Concen: 49.340 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010491.D
 Acq: 27 Jun 2019 16:06

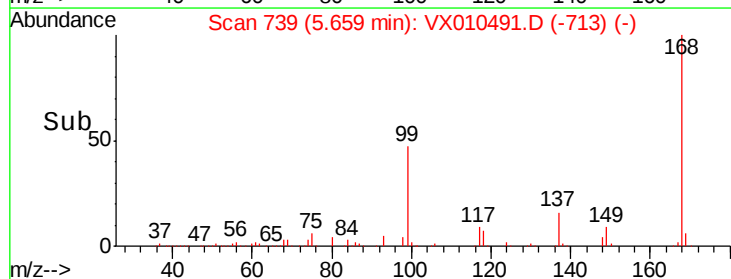
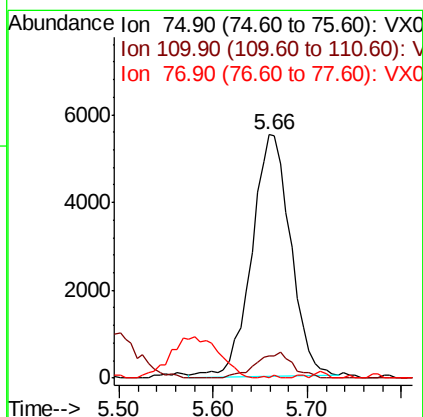
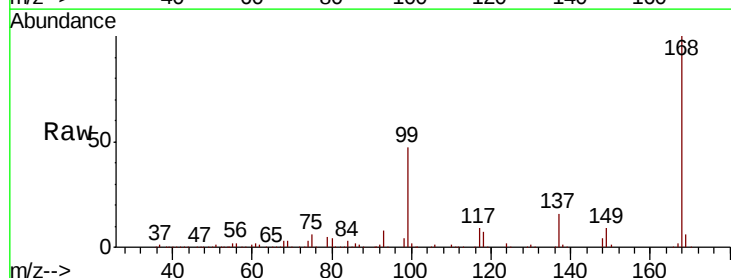
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0573

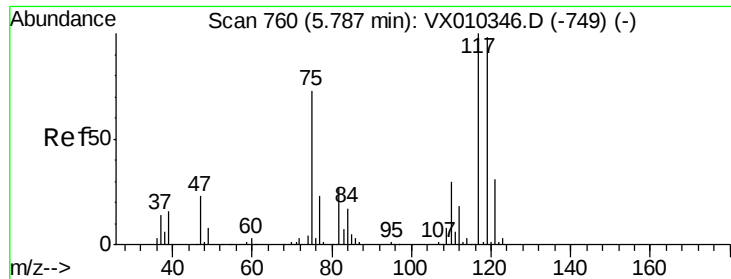
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.2	121.8
192	23.1	18.6	27.8



#36
 1,1-Dichloropropene
 Concen: 4.984 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010491.D
 Acq: 27 Jun 2019 16:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.3	20.8	62.2#
77	0.0	25.4	38.0#





#38

Carbon Tetrachloride

Concen: 6.789 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010491.D

Acq: 27 Jun 2019 16:06

Instrument :

MSVOA_X

ClientSampled :

FL-0573

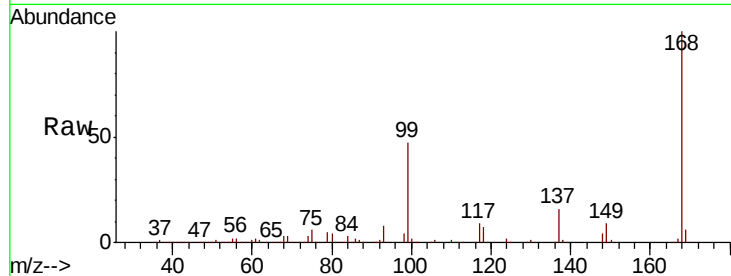
Tot Ion:117 Resp: 23381

Ion Ratio Lower Upper

117 100

119 4.9 78.2 117.4#

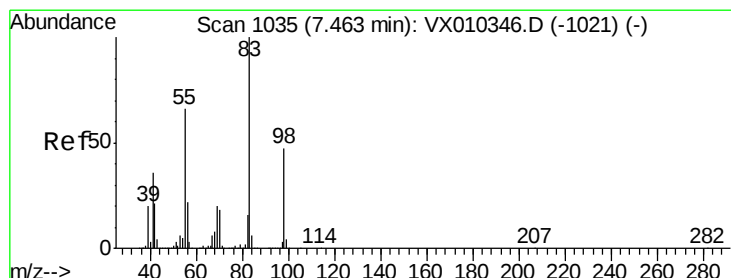
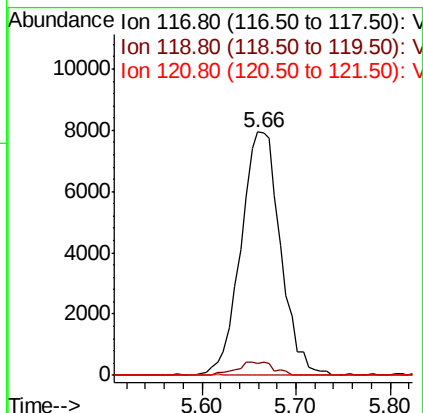
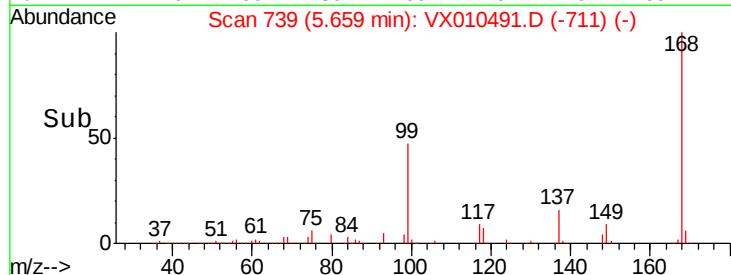
121 0.0 24.7 37.1#



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: 76.185 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX010491.D

Acq: 27 Jun 2019 16:06

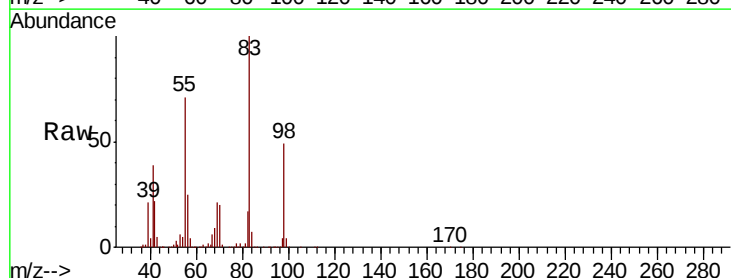
Tgt Ion: 83 Resp: 318504

Ion Ratio Lower Upper

83 100

55 70.6 53.0 79.6

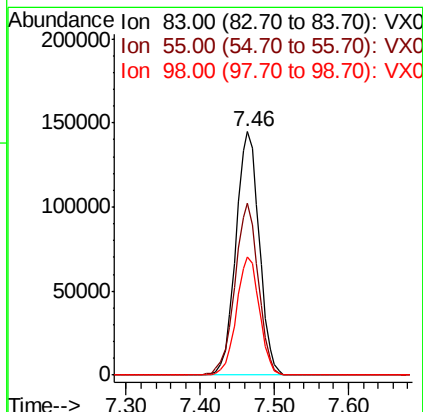
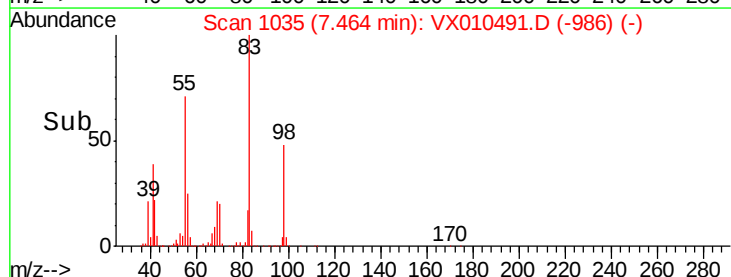
98 48.5 37.8 56.8

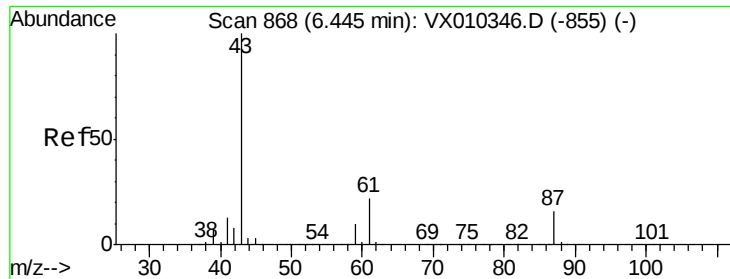


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#43

Isopropyl Acetate

Concen: 0.675 ug/l

RT: 6.45 min Scan# 869

Delta R.T. 0.01 min

Lab File: VX010491.D

Acq: 27 Jun 2019 16:06

Instrument :

MSVOA_X

ClientSampled :

FL-0573

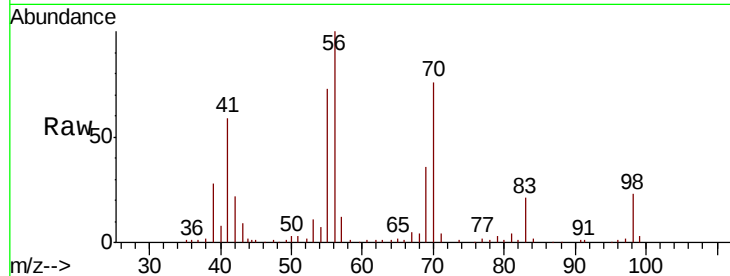
Tot Ion: 43 Resp: 3654

Ion Ratio Lower Upper

43 100

61 6.5 17.8 26.6#

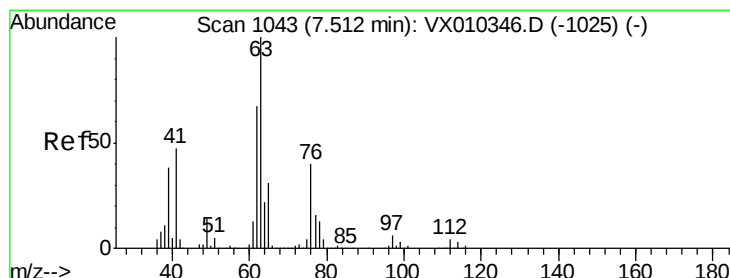
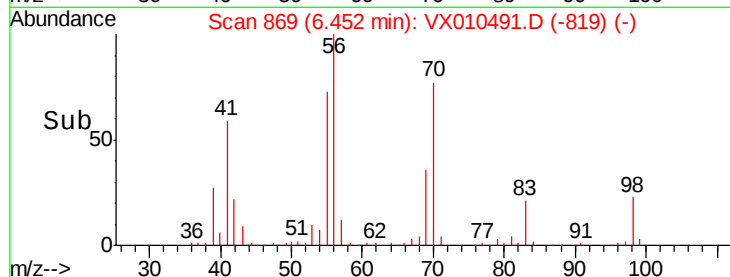
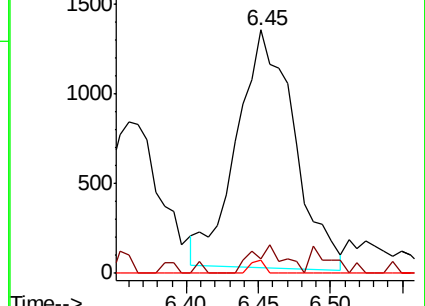
87 1.3 13.0 19.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#45

1,2-Dichloropropane

Concen: 1.235 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.05 min

Lab File: VX010491.D

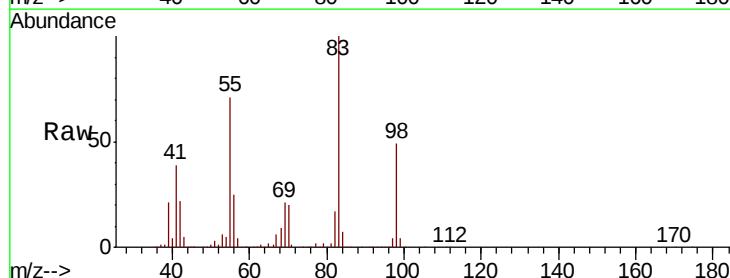
Acq: 27 Jun 2019 16:06

Tgt Ion: 63 Resp: 3090

Ion Ratio Lower Upper

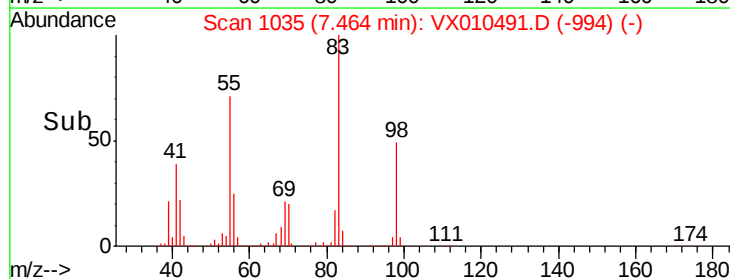
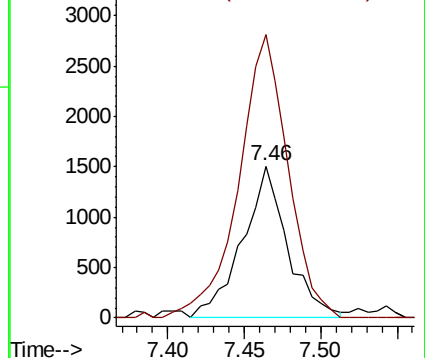
63 100

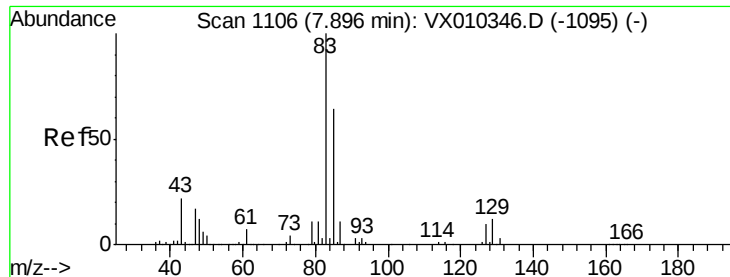
65 186.3 24.8 37.2#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0





#47

Bromodichloromethane

Concen: 0.327 ug/l

RT: 7.85 min Scan# 1098

Delta R.T. -0.05 min

Lab File: VX010491.D

Acq: 27 Jun 2019 16:06

Instrument :

MSVOA_X

ClientSampleId :

FL-0573

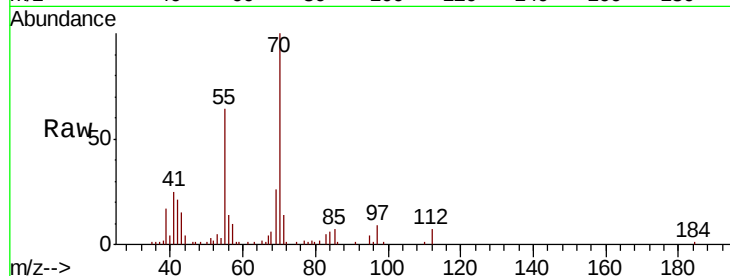
Tot Ion: 83 Resp: 1077

Ion Ratio Lower Upper

83 100

85 138.6 51.5 77.3#

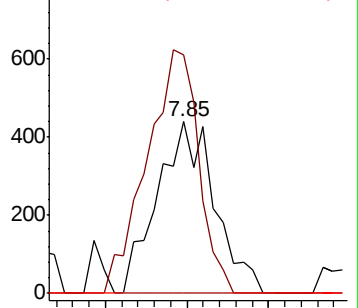
127 0.0 7.8 11.8#



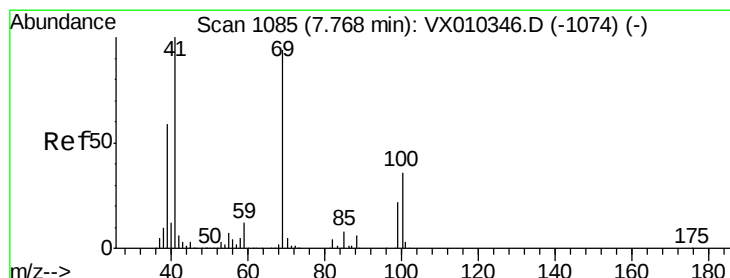
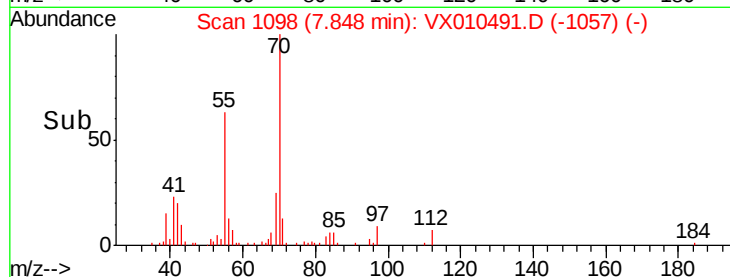
Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



Time-->



#48

Methyl methacrylate

Concen: 5.167 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.04 min

Lab File: VX010491.D

Acq: 27 Jun 2019 16:06

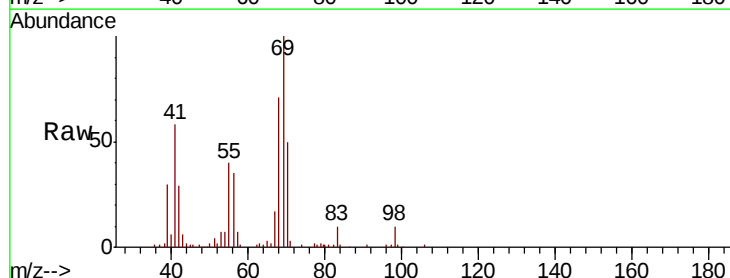
Tgt Ion: 41 Resp: 13002

Ion Ratio Lower Upper

41 100

69 177.3 76.1 114.1#

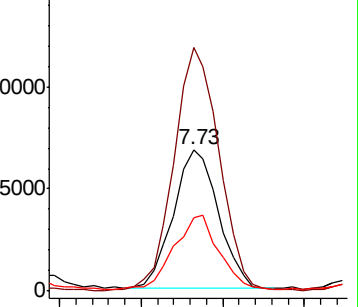
39 53.4 47.6 71.4



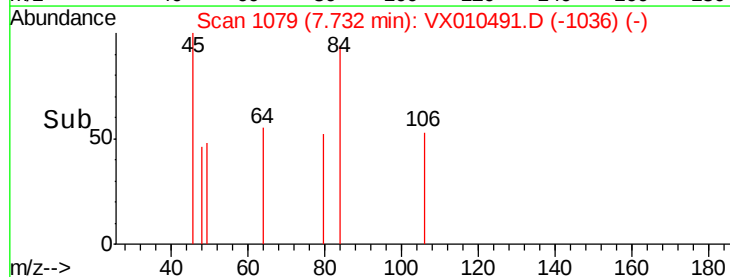
Abundance Ion 41.00 (40.70 to 41.70): VX0

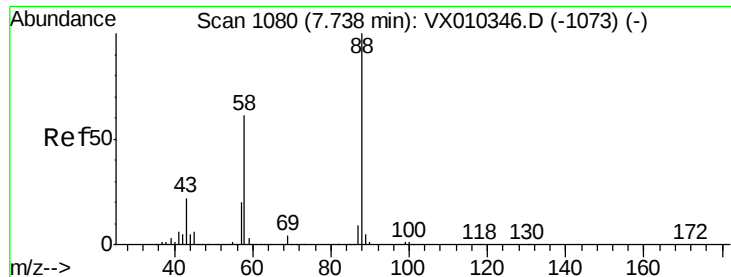
Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



Time-->

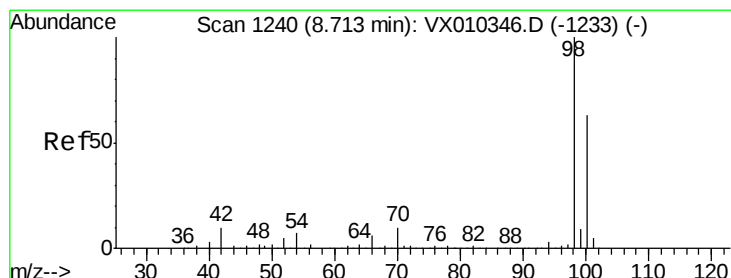
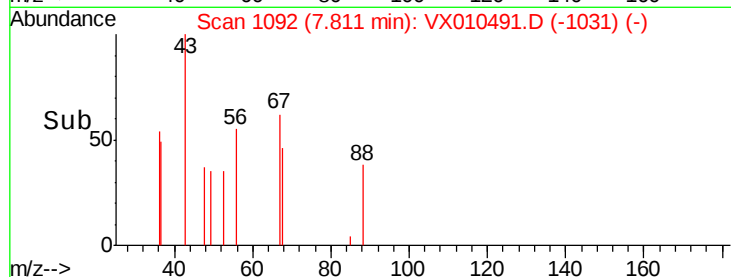
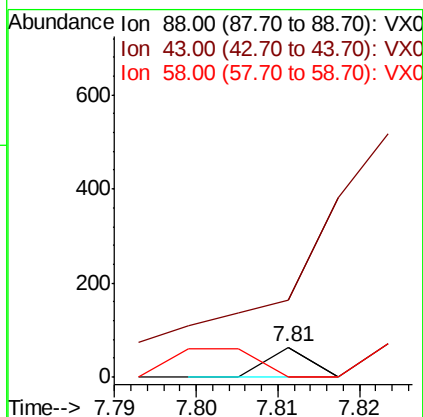
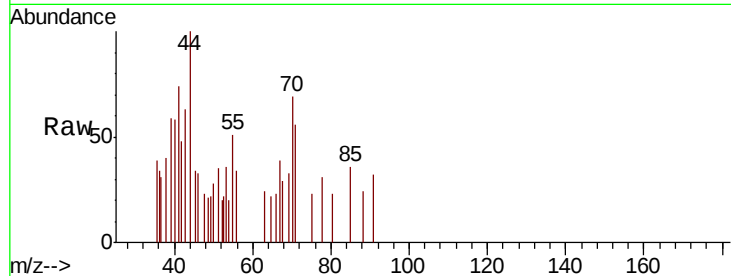




#49
1,4-Dioxane
Concen: 0.317 ug/l
RT: 7.81 min Scan# 1092
Delta R.T. 0.07 min
Lab File: VX010491.D
Acq: 27 Jun 2019 16:06

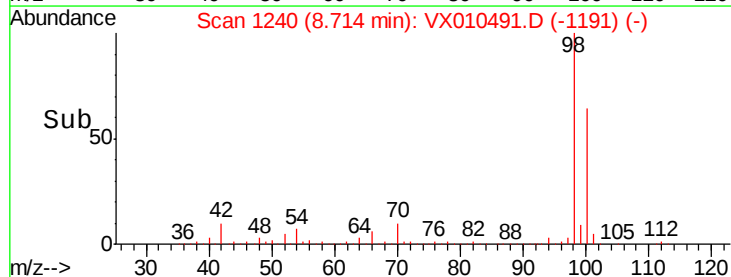
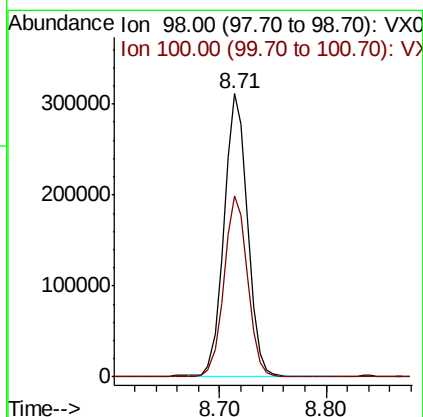
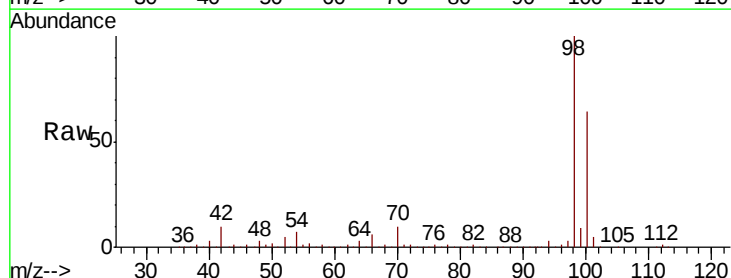
Instrument :
MSVOA_X
ClientSampleId :
FL-0573

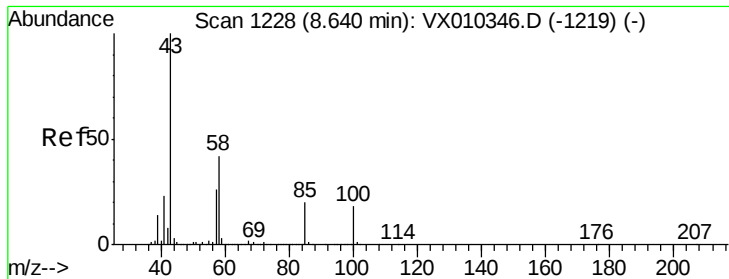
Tot Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.2#
58 191.3 49.5 74.3#



#50
Toluene-d8
Concen: 51.134 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010491.D
Acq: 27 Jun 2019 16:06

Tgt Ion: 98 Resp: 479052
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4

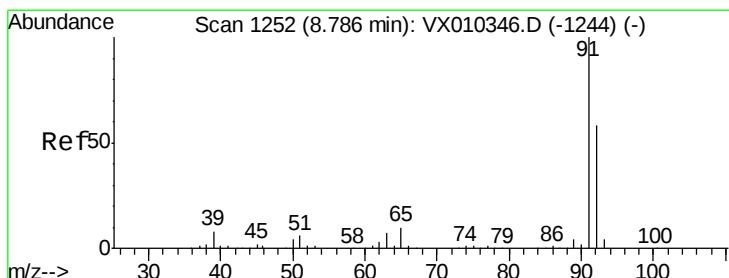
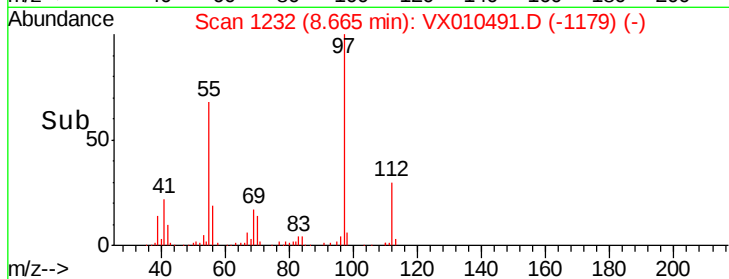
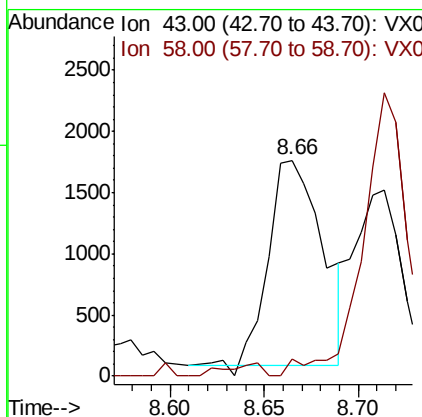
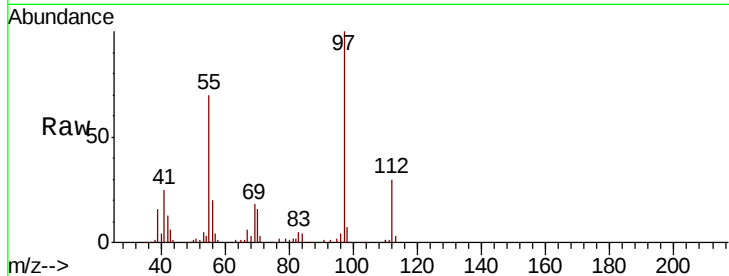




#51
4-Methyl-2-Pentanone
Concen: 0.967 ug/l
RT: 8.66 min Scan# 1232
Delta R.T. 0.02 min
Lab File: VX010491.D
Acq: 27 Jun 2019 16:06

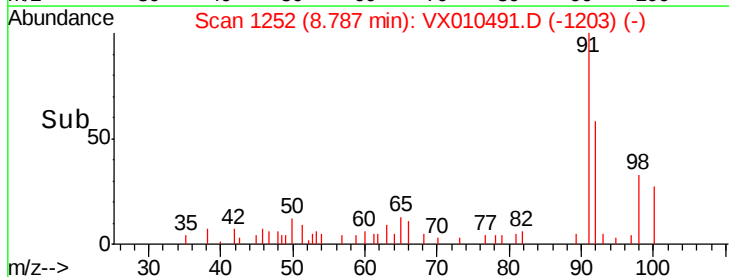
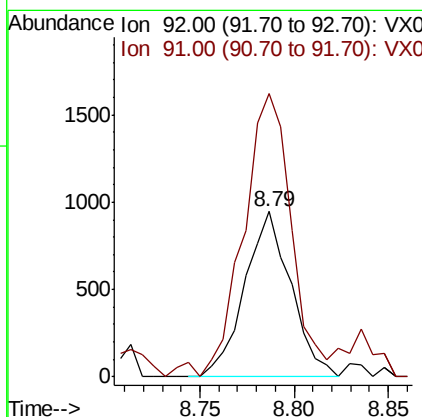
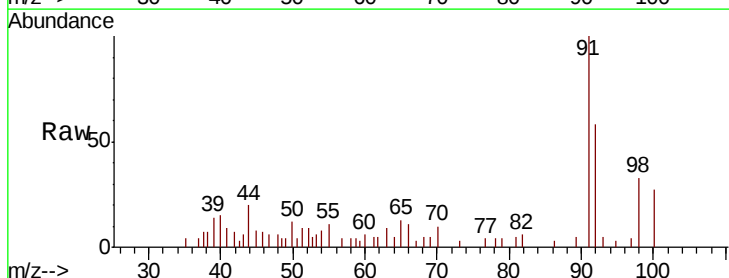
Instrument :
MSVOA_X
ClientSampled :
FL-0573

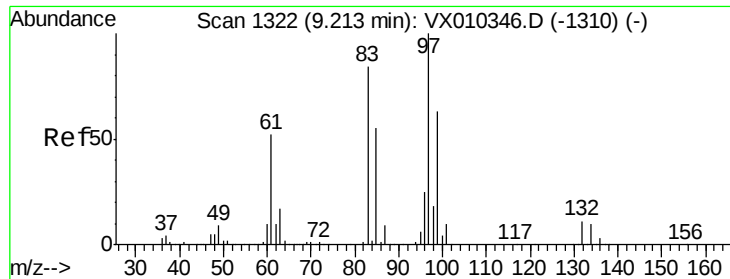
Tot Ion: 43 Resp: 3349
Ion Ratio Lower Upper
43 100
58 4.2 33.5 50.3#



#52
Toluene
Concen: 0.246 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX010491.D
Acq: 27 Jun 2019 16:06

Tgt Ion: 92 Resp: 1607
Ion Ratio Lower Upper
92 100
91 178.8 139.8 209.6





#55

1,1,2-Trichloroethane

Concen: 8.475 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX010491.D

Acq: 27 Jun 2019 16:06

Instrument :

MSVOA_X

ClientSampleId :

FL-0573

Tot Ion: 97 Resp: 22808

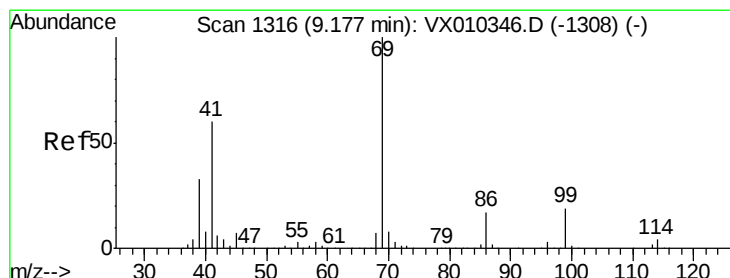
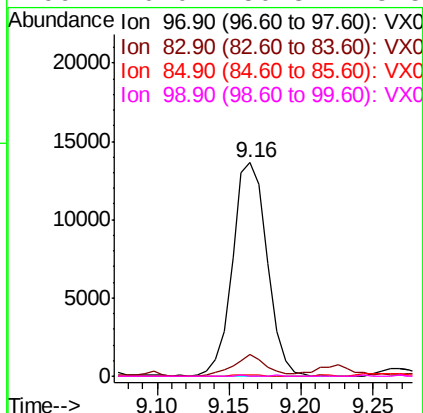
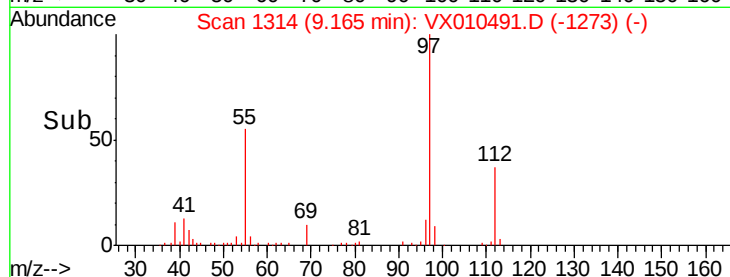
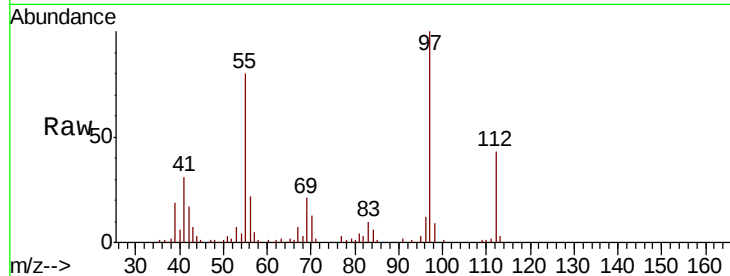
Ion Ratio Lower Upper

97 100

83 10.0 67.4 101.0#

85 0.7 43.8 65.8#

99 0.0 50.3 75.5#



#56

Ethyl methacrylate

Concen: 1.144 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VX010491.D

Acq: 27 Jun 2019 16:06

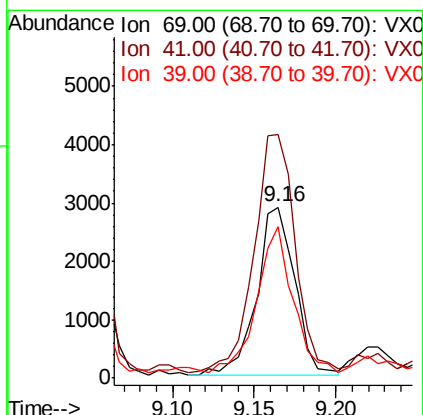
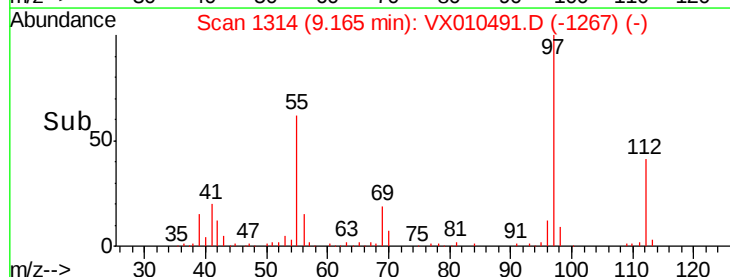
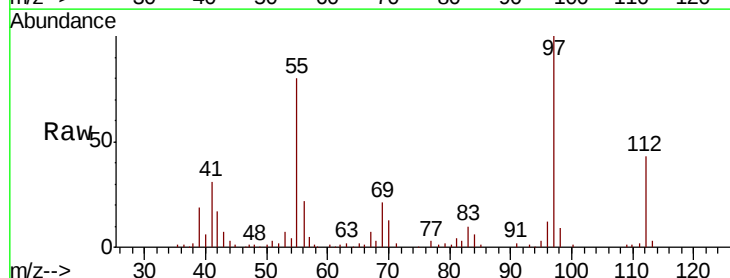
Tgt Ion: 69 Resp: 4663

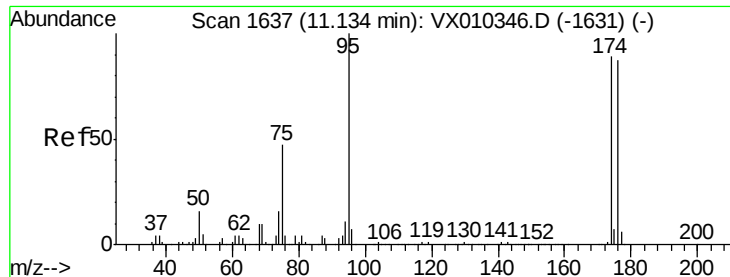
Ion Ratio Lower Upper

69 100

41 153.1 47.1 70.7#

39 82.3 26.6 40.0#





#62

4-Bromofluorobenzene

Concen: 48.816 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010491.D

Acq: 27 Jun 2019 16:06

Instrument :

MSVOA_X

ClientSampleId :

FL-0573

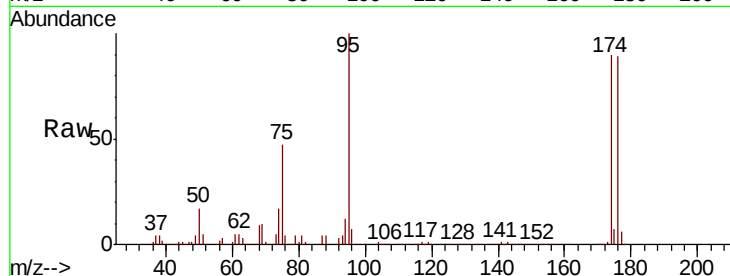
Tot Ion: 95 Resp: 165109

Ion Ratio Lower Upper

95 100

174 96.0 0.0 187.6

176 93.5 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) (-)

11.13

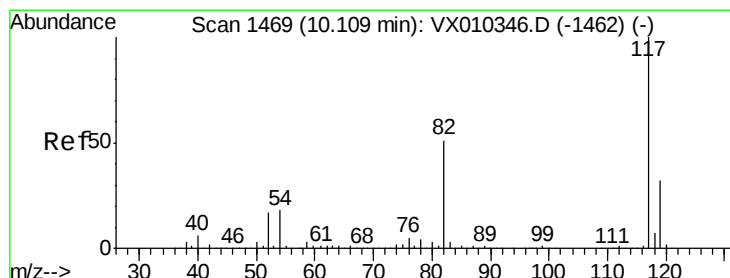
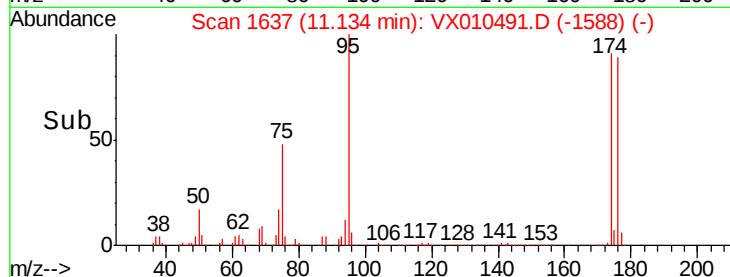
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010491.D

Acq: 27 Jun 2019 16:06

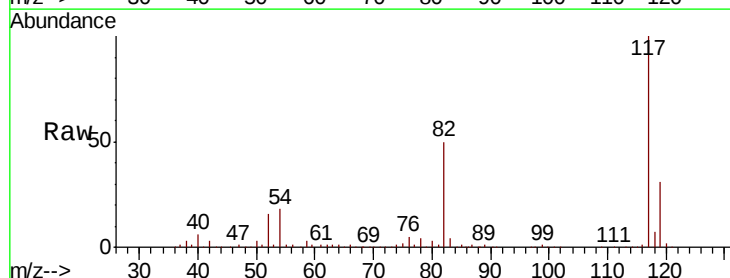
Tgt Ion: 117 Resp: 368577

Ion Ratio Lower Upper

117 100

82 49.6 41.2 61.8

119 30.8 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) (-)

10.11

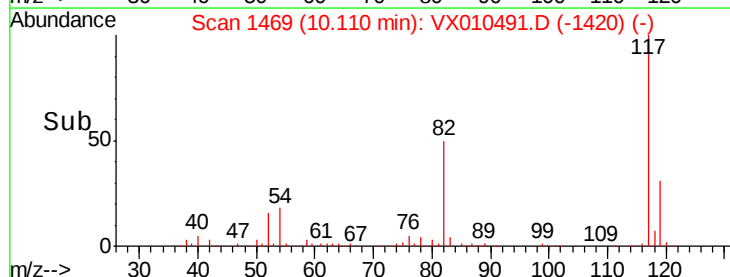
300000

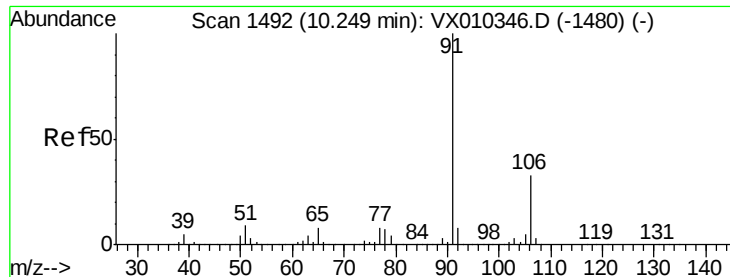
200000

100000

0

Time-->





#67

Ethyl Benzene

Concen: 33.984 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010491.D

Acq: 27 Jun 2019 16:06

Instrument :

MSVOA_X

ClientSampled :

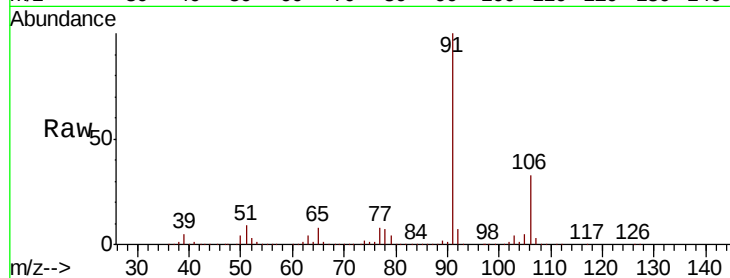
FL-0573

Tot Ion: 91 Resp: 429308

Ion Ratio Lower Upper

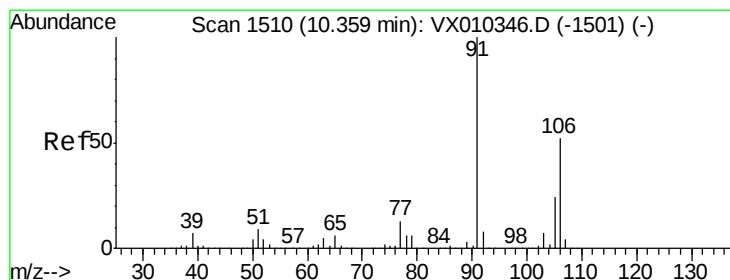
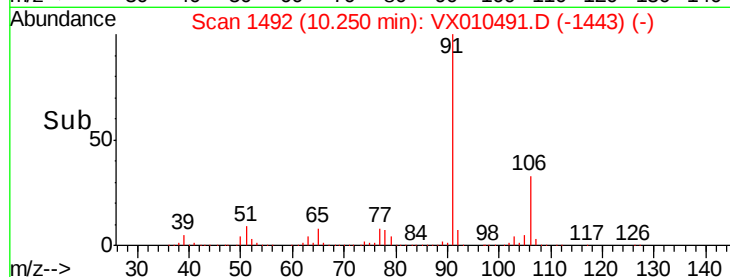
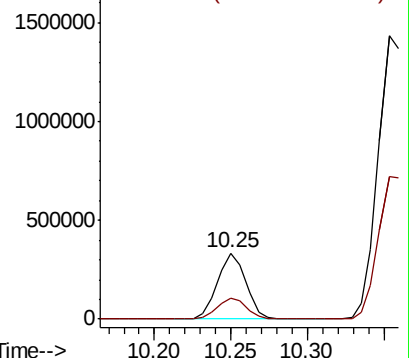
91 100

106 32.6 26.2 39.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 202.640 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX010491.D

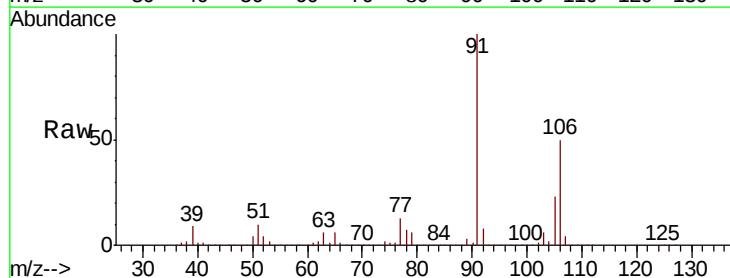
Acq: 27 Jun 2019 16:06

Tgt Ion: 106 Resp: 991890

Ion Ratio Lower Upper

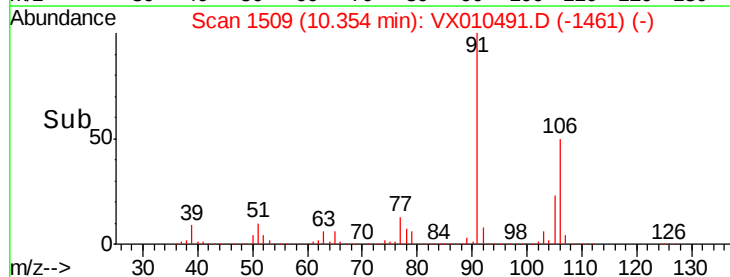
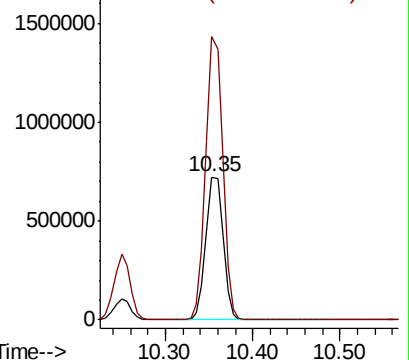
106 100

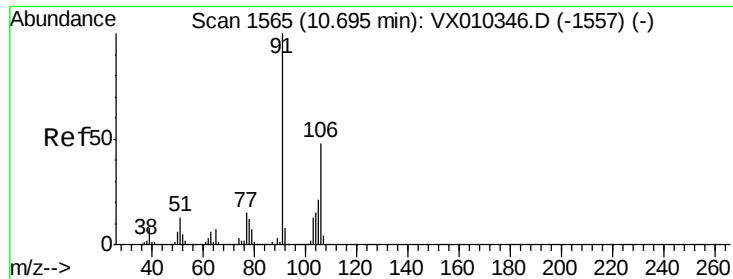
91 195.5 155.3 232.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

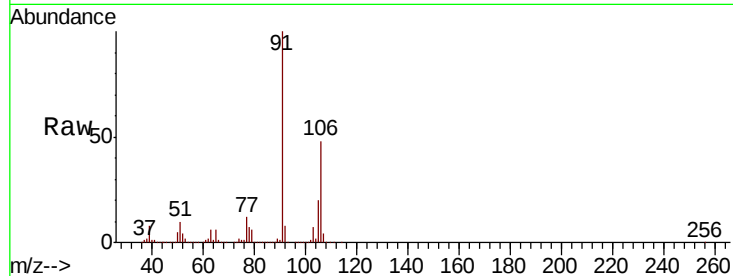




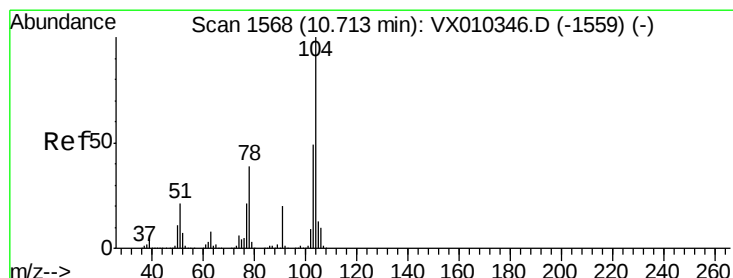
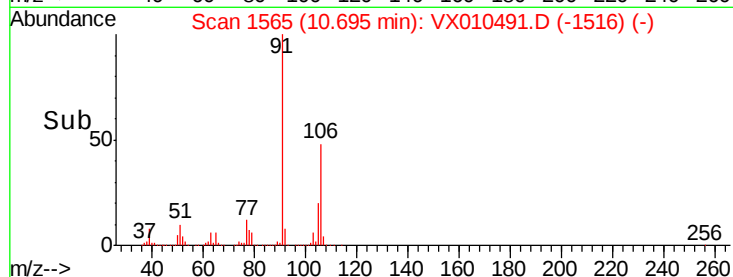
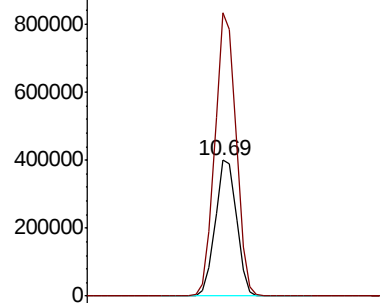
#69
o-Xylene
Concen: 110.360 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010491.D
Acq: 27 Jun 2019 16:06

Instrument :
MSVOA_X
ClientSampled :
FL-0573

Tot Ion:106 Resp: 531229
Ion Ratio Lower Upper
106 100
91 206.2 102.7 308.1

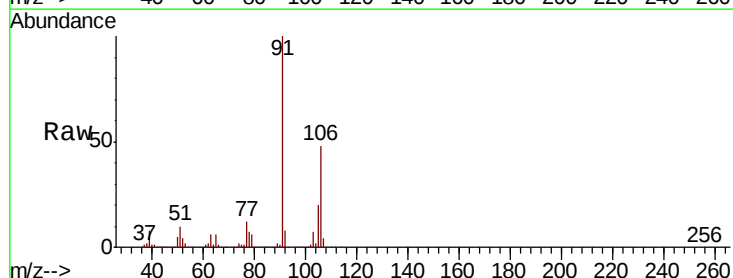


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

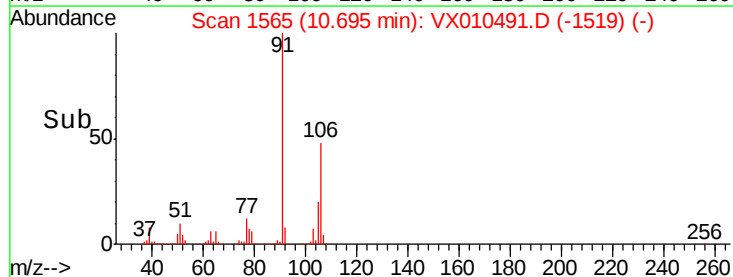
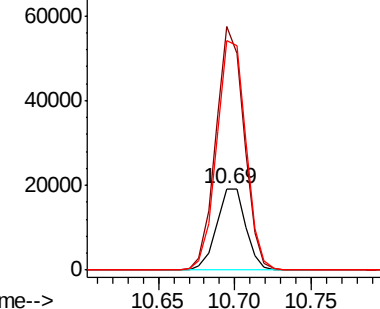


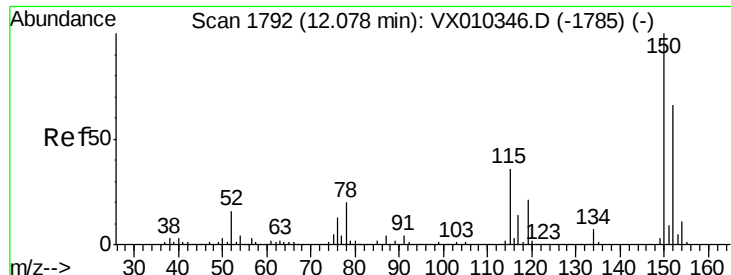
#70
Styrene
Concen: 3.167 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.02 min
Lab File: VX010491.D
Acq: 27 Jun 2019 16:06

Tgt Ion:104 Resp: 25565
Ion Ratio Lower Upper
104 100
78 290.0 36.2 54.2#
103 281.9 44.2 66.4#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010491.D

Acq: 27 Jun 2019 16:06

Instrument :

MSVOA_X

ClientSampleId :

FL-0573

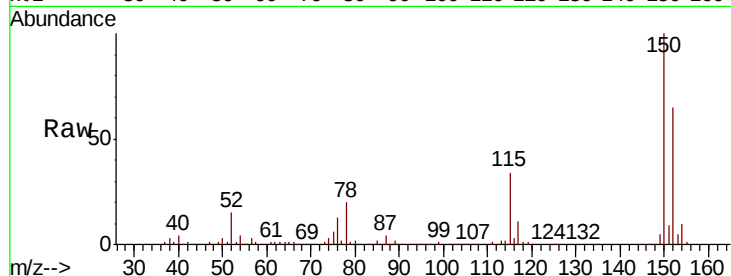
Tot Ion:152 Resp: 181357

Ion Ratio Lower Upper

152 100

115 56.1 38.6 115.7

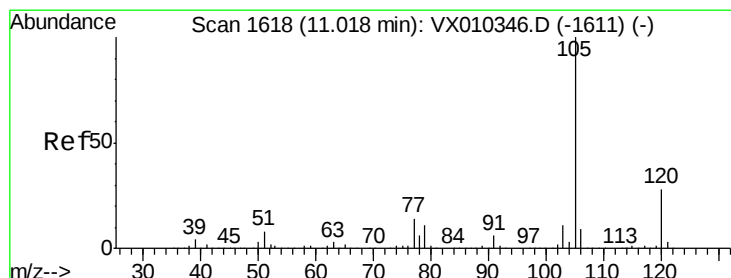
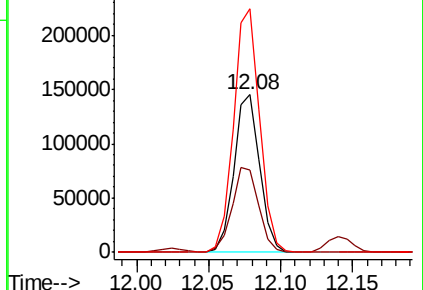
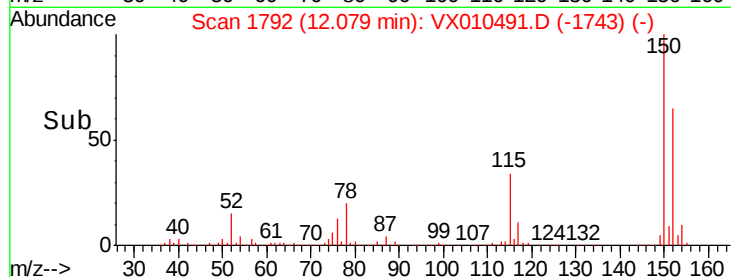
150 156.2 0.0 347.4



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: 28.298 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010491.D

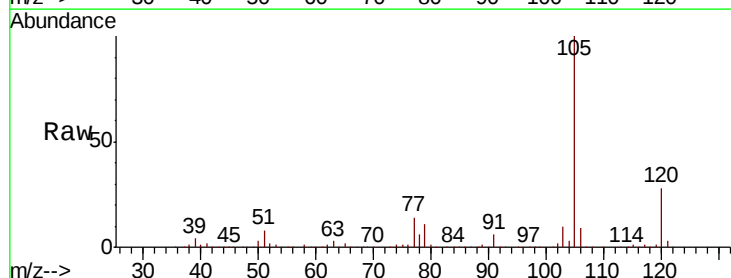
Acq: 27 Jun 2019 16:06

Tgt Ion:105 Resp: 347887

Ion Ratio Lower Upper

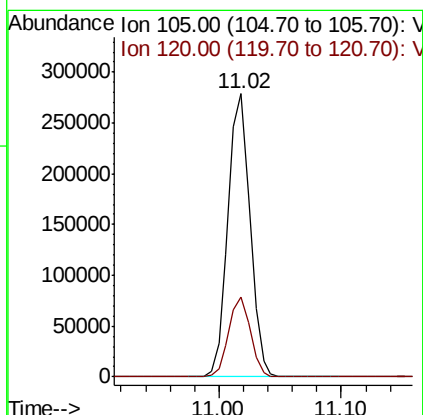
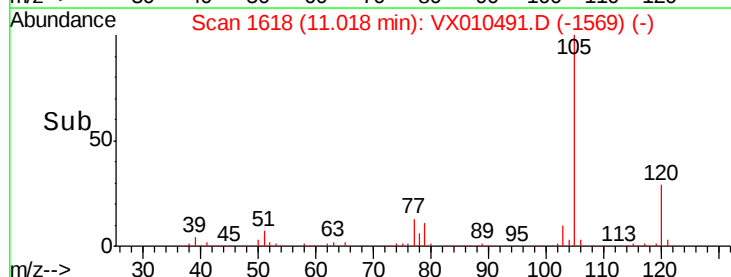
105 100

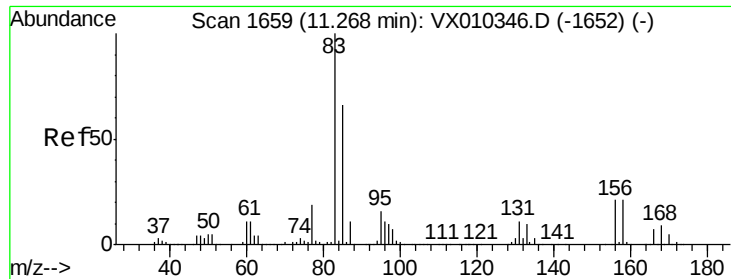
120 27.9 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 0.271 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX010491.D

Acq: 27 Jun 2019 16:06

Instrument :

MSVOA_X

ClientSampleId :

FL-0573

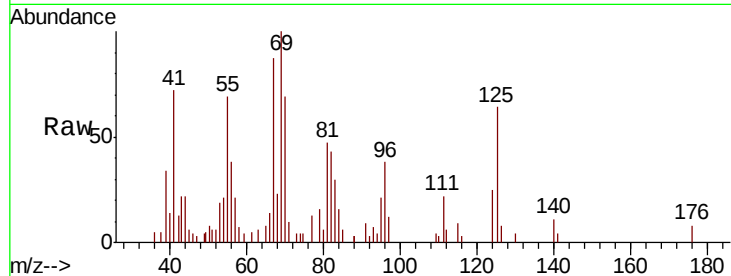
Tot Ion: 83 Resp: 1102

Ion Ratio Lower Upper

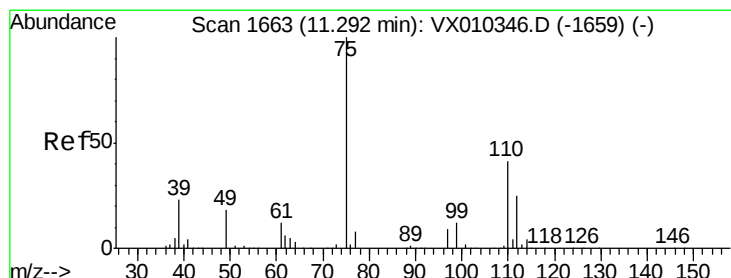
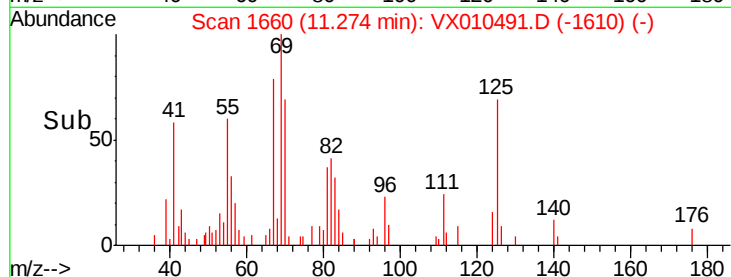
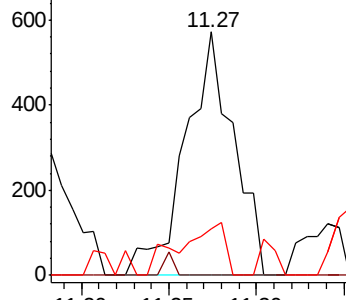
83 100

131 0.0 5.5 16.4#

85 19.7 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 1.678 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.14 min

Lab File: VX010491.D

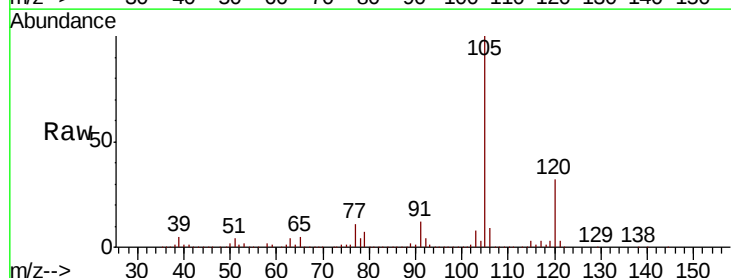
Acq: 27 Jun 2019 16:06

Tgt Ion: 75 Resp: 5545

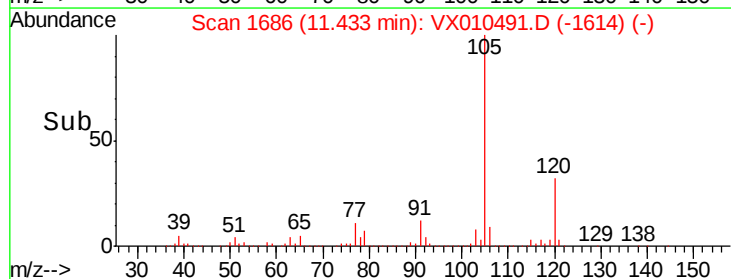
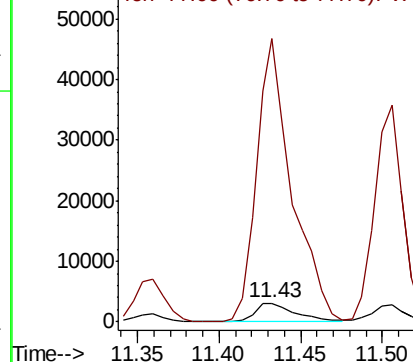
Ion Ratio Lower Upper

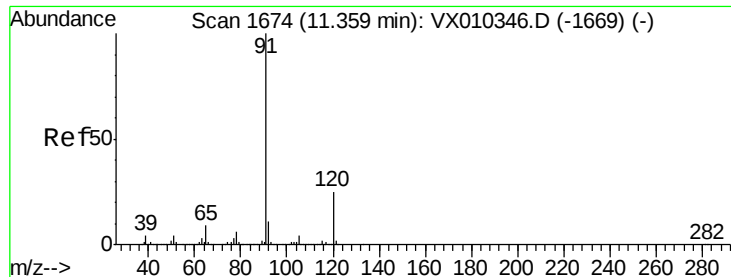
75 100

77 1267.4 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 18.847 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010491.D

Acq: 27 Jun 2019 16:06

Instrument :

MSVOA_X

ClientSampleId :

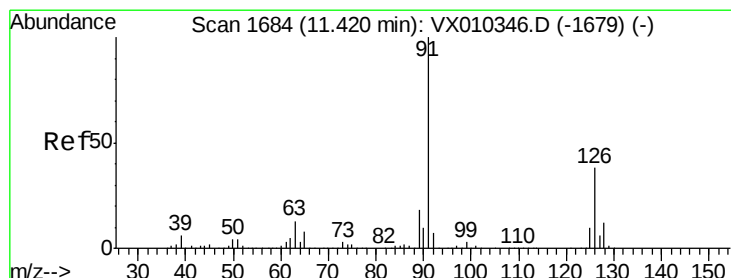
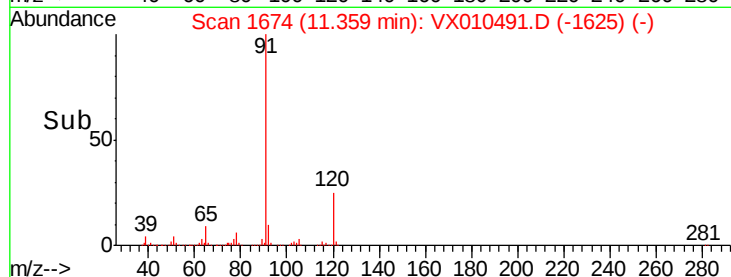
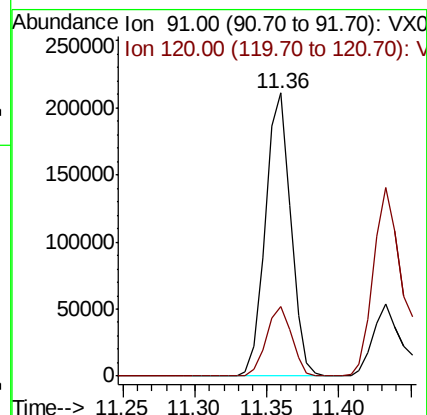
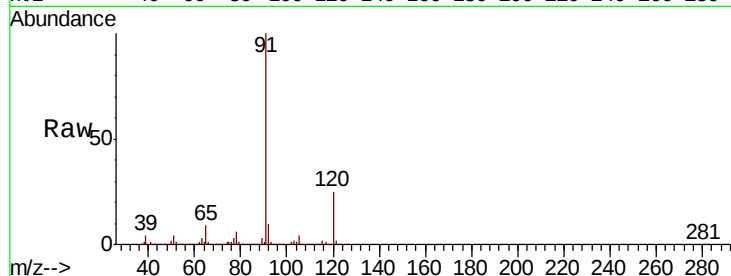
FL-0573

Tot Ion: 91 Resp: 254649

Ion Ratio Lower Upper

91 100

120 24.7 12.4 37.4



#79

2-Chlorotoluene

Concen: 9.495 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX010491.D

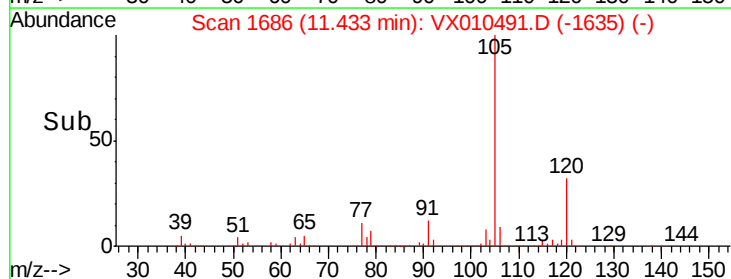
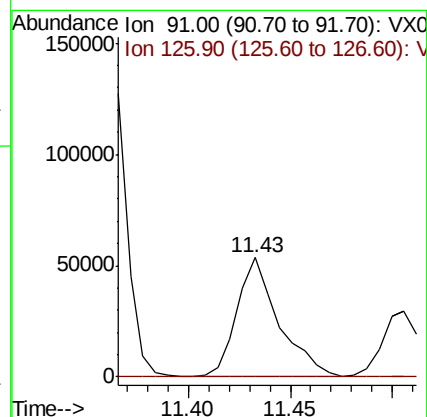
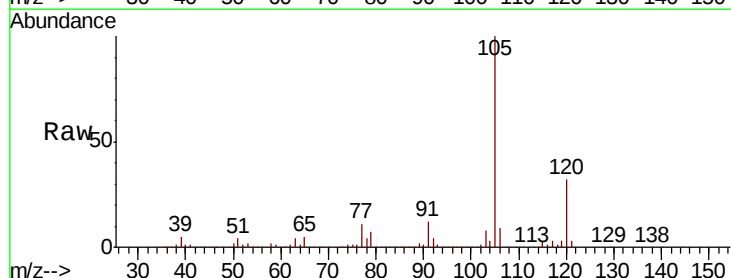
Acq: 27 Jun 2019 16:06

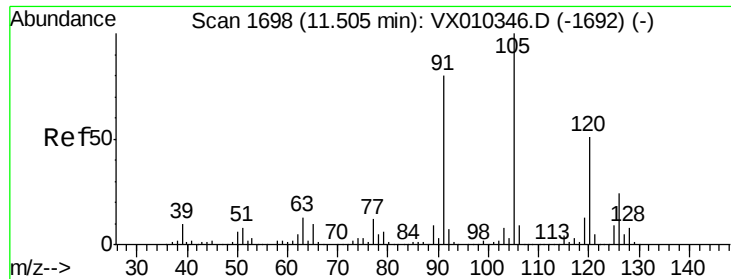
Tgt Ion: 91 Resp: 76396

Ion Ratio Lower Upper

91 100

126 0.0 18.7 56.1#

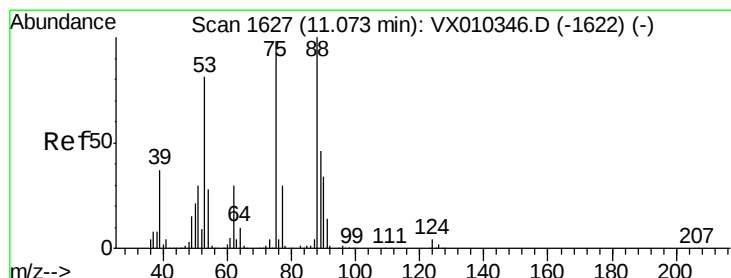
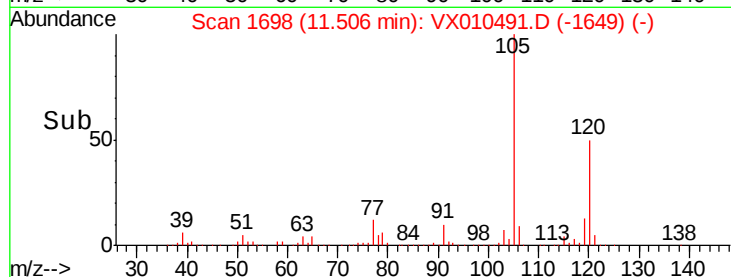
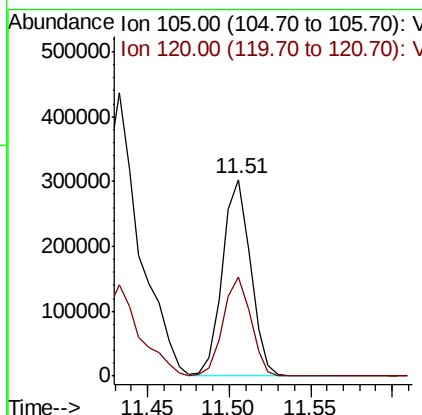
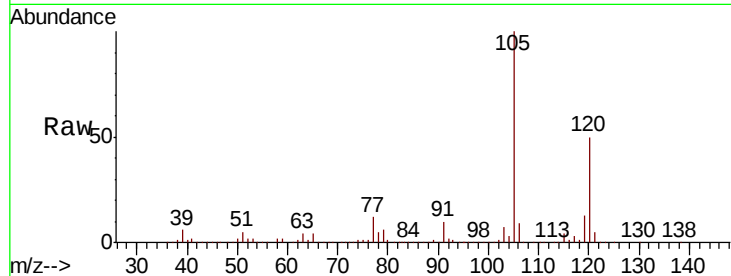




#80
 1,3,5-Trimethylbenzene
 Concen: 35.974 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX010491.D
 Acq: 27 Jun 2019 16:06

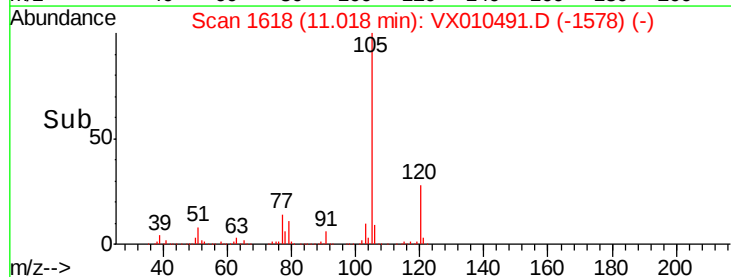
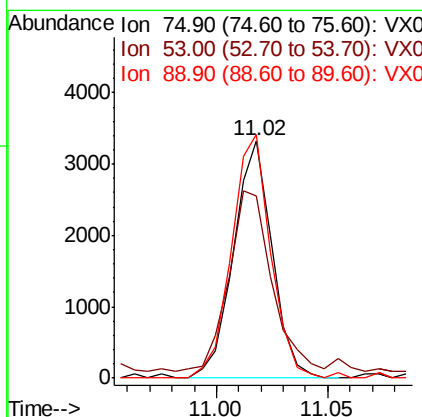
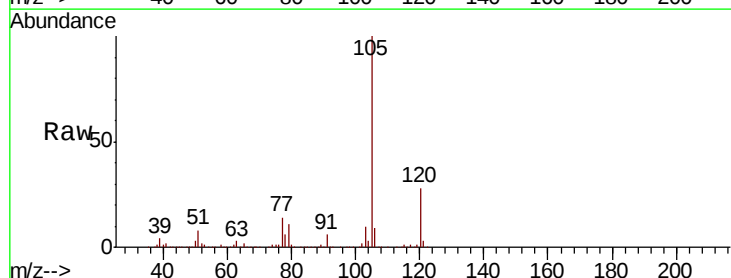
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0573

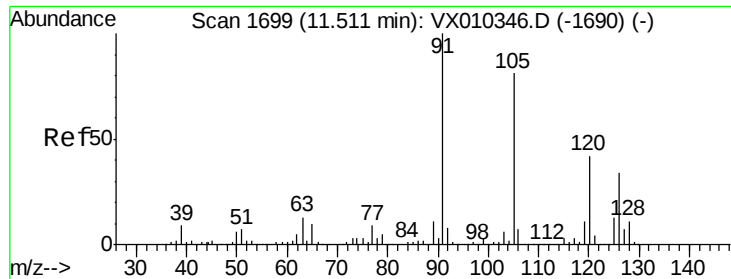
Tot Ion:105 Resp: 364590
 Ion Ratio Lower Upper
 105 100
 120 49.9 25.2 75.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 2.833 ug/l
 RT: 11.02 min Scan# 1618
 Delta R.T. -0.05 min
 Lab File: VX010491.D
 Acq: 27 Jun 2019 16:06

Tgt Ion: 75 Resp: 4013
 Ion Ratio Lower Upper
 75 100
 53 83.7 66.1 99.1
 89 104.0 37.8 56.6#

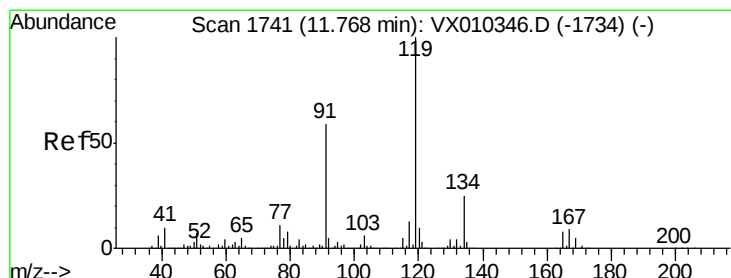
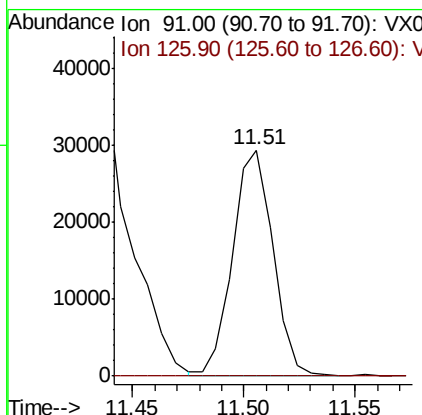
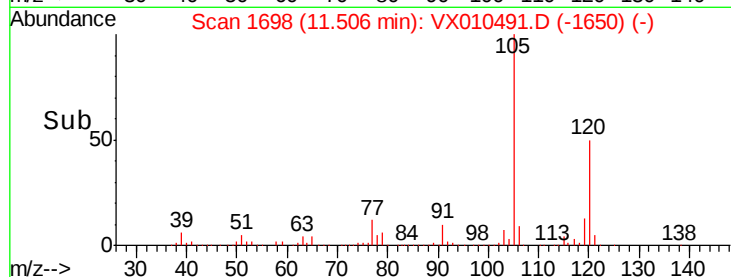
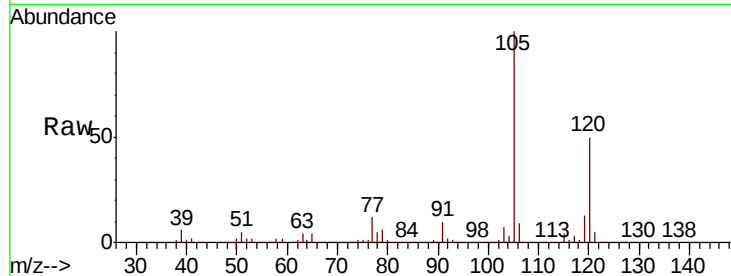




#82
4-Chlorotoluene
Concen: 4.042 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX010491.D
Acq: 27 Jun 2019 16:06

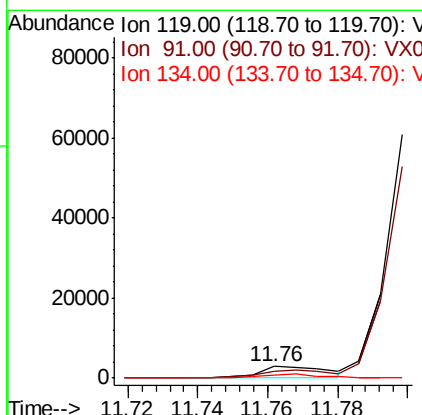
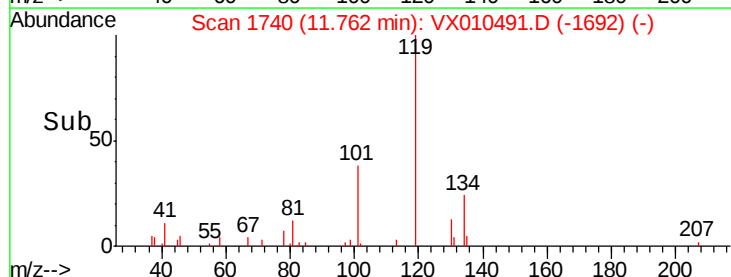
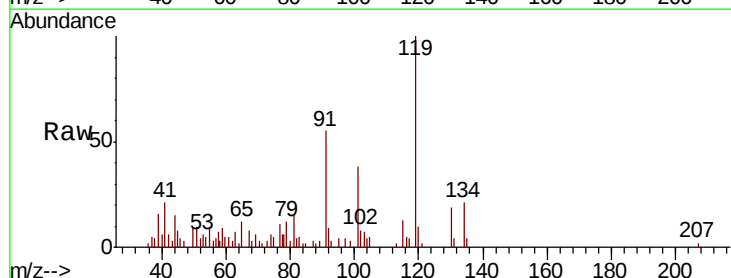
Instrument :
MSVOA_X
ClientSampleId :
FL-0573

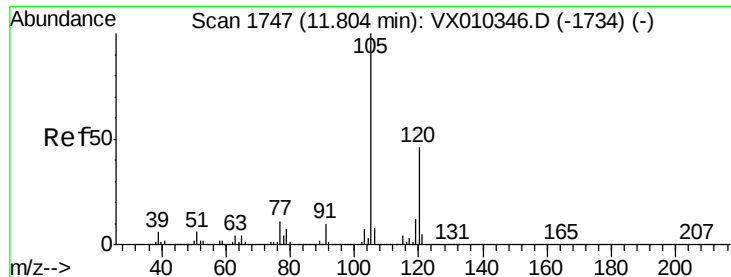
Tot Ion: 91 Resp: 37005
Ion Ratio Lower Upper
91 100
126 0.0 16.2 48.6#



#83
tert-Butylbenzene
Concen: 0.393 ug/l
RT: 11.76 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VX010491.D
Acq: 27 Jun 2019 16:06

Tgt Ion: 119 Resp: 4000
Ion Ratio Lower Upper
119 100
91 0.0 27.6 82.7#
134 29.5 11.8 35.4

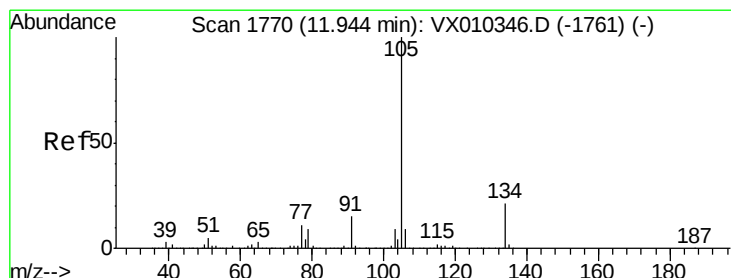
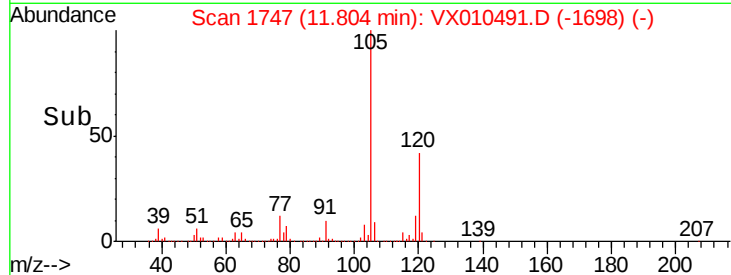
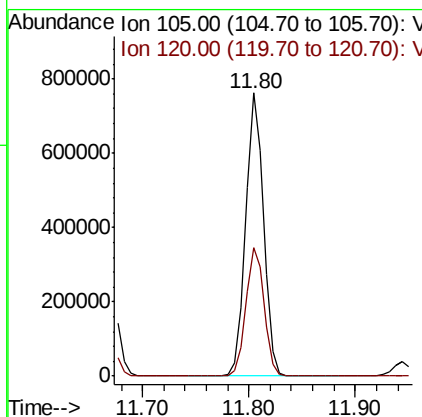
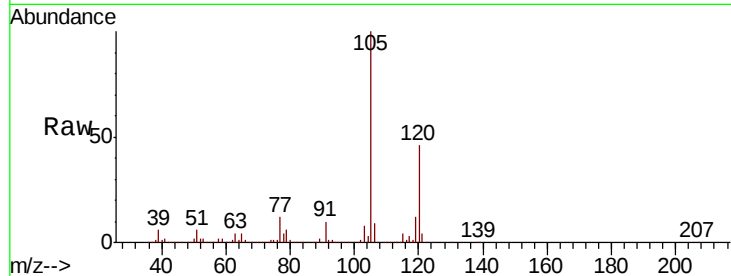




#84
 1,2,4-Trimethylbenzene
 Concen: 88.112 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010491.D
 Acq: 27 Jun 2019 16:06

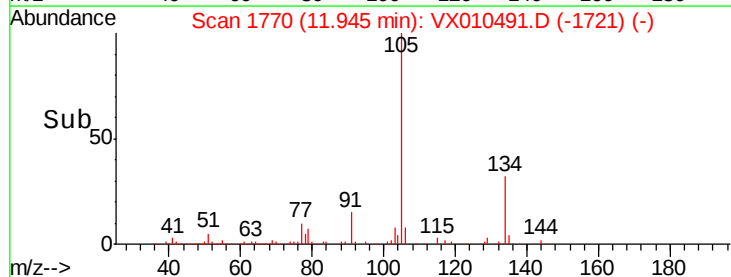
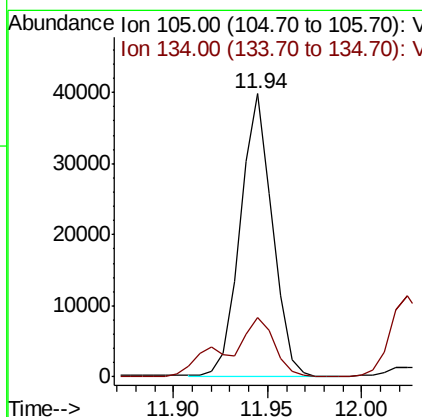
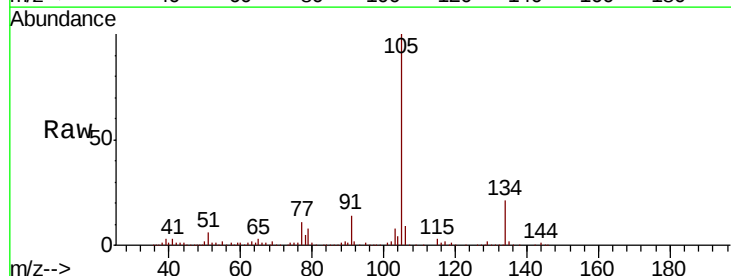
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0573

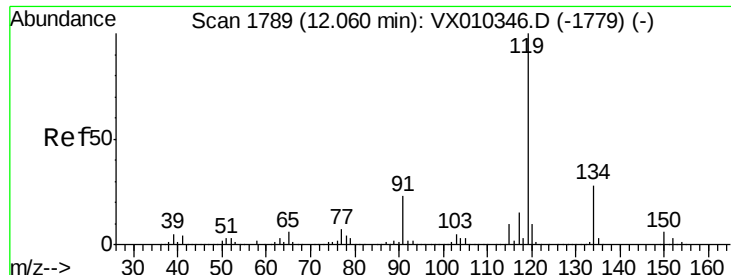
Tot Ion:105 Resp: 897176
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.1 69.2



#85
 sec-Butylbenzene
 Concen: 3.892 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX010491.D
 Acq: 27 Jun 2019 16:06

Tgt Ion:105 Resp: 46480
 Ion Ratio Lower Upper
 105 100
 134 19.4 10.7 31.9

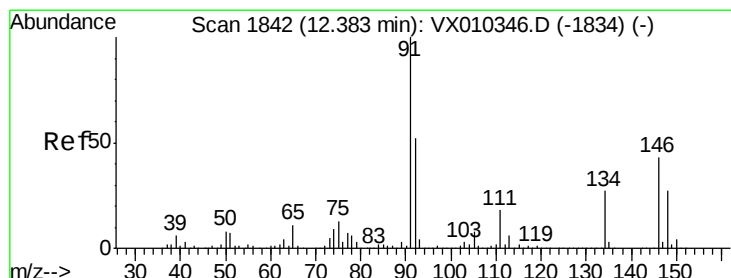
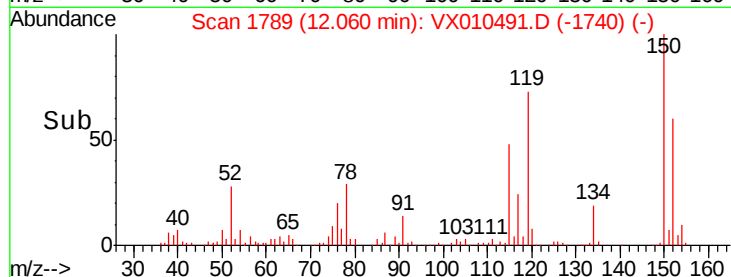
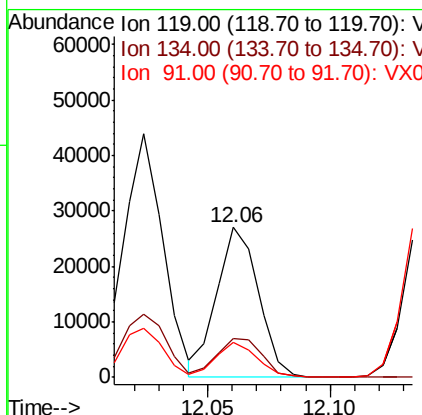
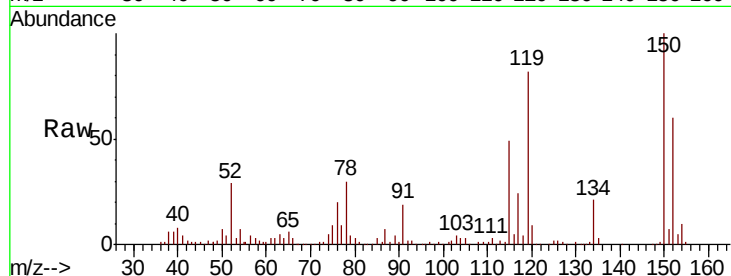




#86
p-Isopropyltoluene
Concen: 2.912 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX010491.D
Acq: 27 Jun 2019 16:06

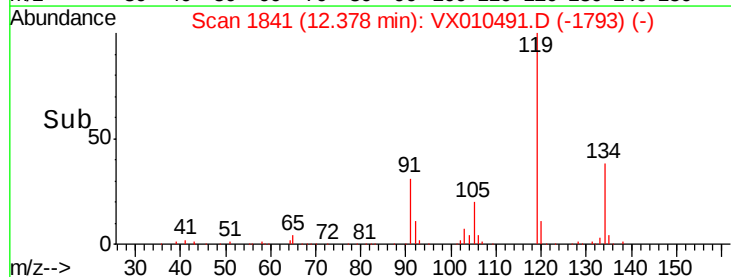
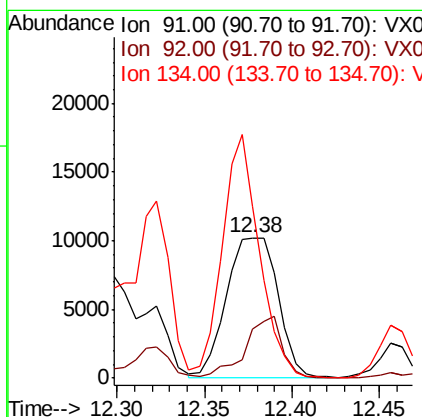
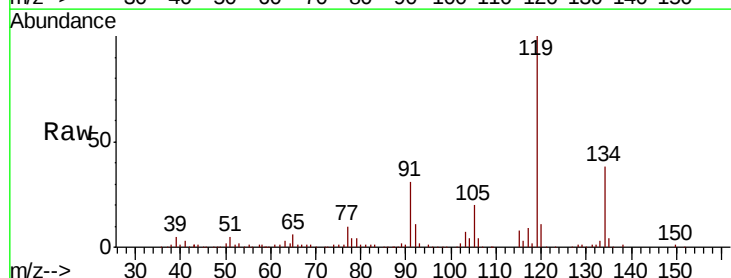
Instrument :
MSVOA_X
ClientSampled :
FL-0573

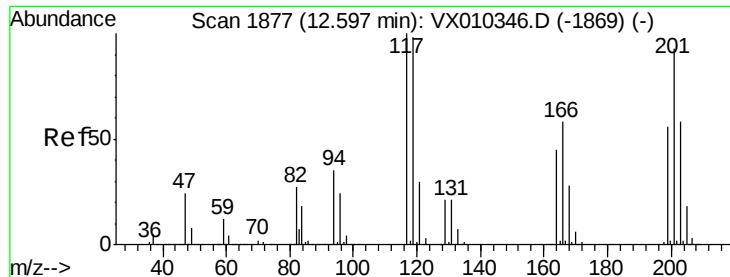
Tot Ion:119 Resp: 32165
Ion Ratio Lower Upper
119 100
134 28.1 13.7 41.1
91 22.3 11.3 33.8



#89
n-Butylbenzene
Concen: 2.210 ug/l
RT: 12.38 min Scan# 1841
Delta R.T. -0.01 min
Lab File: VX010491.D
Acq: 27 Jun 2019 16:06

Tgt Ion: 91 Resp: 20746
Ion Ratio Lower Upper
91 100
92 31.8 26.2 78.5
134 125.9 14.1 42.4#





#90

Hexachloroethane

Concen: 2.598 ug/l

RT: 12.58 min Scan# 1875

Delta R.T. -0.01 min

Lab File: VX010491.D

Acq: 27 Jun 2019 16:06

Instrument :

MSVOA_X

ClientSampleId :

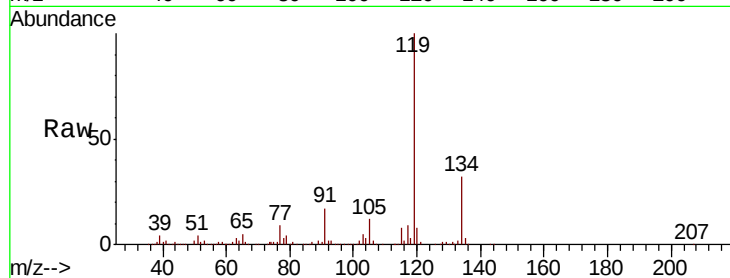
FL-0573

Tot Ion:117 Resp: 4963

Ion Ratio Lower Upper

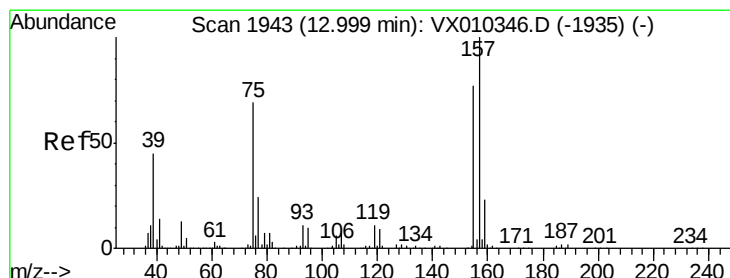
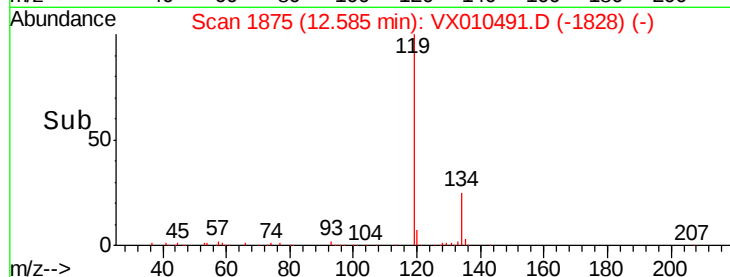
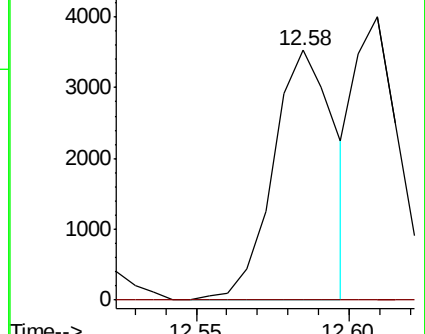
117 100

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.628 ug/l

RT: 13.01 min Scan# 1945

Delta R.T. 0.01 min

Lab File: VX010491.D

Acq: 27 Jun 2019 16:06

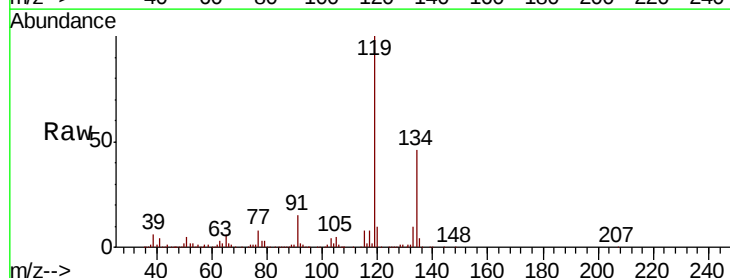
Tgt Ion: 75 Resp: 551

Ion Ratio Lower Upper

75 100

155 0.0 54.4 163.1#

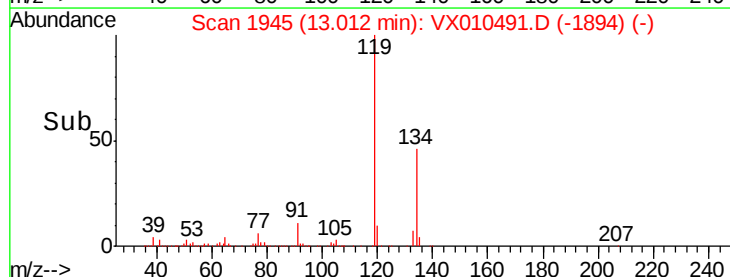
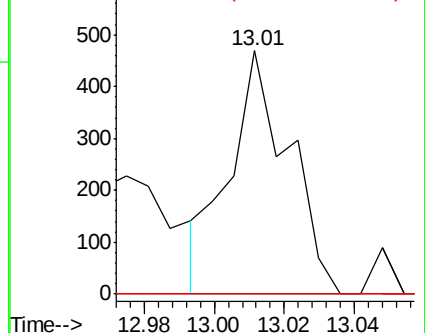
157 0.0 69.5 208.3#

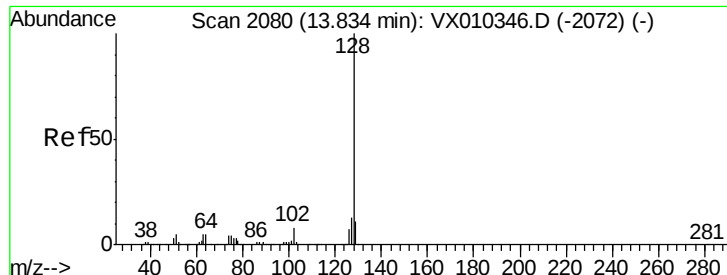


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

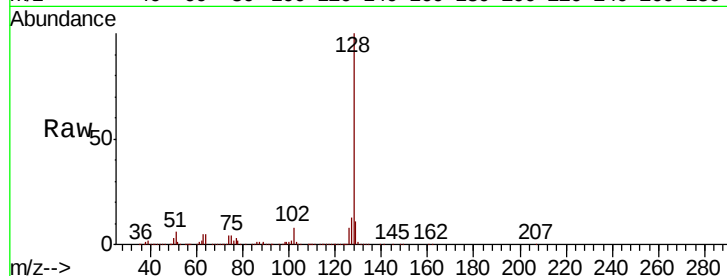




#95
Naphthalene
Concen: 24.773 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010491.D
Acq: 27 Jun 2019 16:06

Instrument :
MSVOA_X
ClientSampleId :
FL-0573

Tot Ion:128 Resp: 314411
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 11.5 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

