

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\
 Data File : VX010857.D
 Acq On : 12 Jul 2019 23:49
 Operator : JC/SP
 Sample : K3791-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0598

Quant Time: Jul 13 05:15:15 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	243744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	374471	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	348687	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185142	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	129021	56.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.92%	
35) Dibromofluoromethane	5.50	113	113809	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
50) Toluene-d8	8.71	98	453280	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	
62) 4-Bromofluorobenzene	11.13	95	170134	53.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.52%	

Target Compounds

						Qvalue
3) Chloromethane	1.33	50	855	0.433	ug/l	92
5) Bromomethane	1.65	94	466	0.443	ug/l #	78
6) Chloroethane	1.77	64	307	0.241	ug/l #	46
10) Methyl Iodide	2.52	142	892	0.301	ug/l	99
11) Tert butyl alcohol	3.01	59	7652	12.796	ug/l #	74
13) Acrolein	2.29	56	310	0.781	ug/l #	14
14) Allyl chloride	2.84	41	9859	3.287	ug/l #	65
15) Acrylonitrile	3.17	53	3647	3.080	ug/l #	46
16) Acetone	2.44	43	4817	4.206	ug/l #	81
18) Methyl Acetate	2.84	43	23350	10.229	ug/l #	48
25) 2-Butanone	4.68	43	3209	1.910	ug/l	90
31) Cyclohexane	5.58	56	178004	53.924	ug/l	97
36) 1,1-Dichloropropene	5.67	75	16165	5.432	ug/l #	49
38) Carbon Tetrachloride	5.67	117	22564	7.002	ug/l #	14
39) Methylcyclohexane	7.46	83	129081	33.000	ug/l	96
43) Isopropyl Acetate	6.46	43	2318	0.458	ug/l #	59
47) Bromodichloromethane	7.85	83	823	0.267	ug/l #	37
48) Methyl methacrylate	7.73	41	6620	2.812	ug/l #	50
49) 1,4-Dioxane	7.60	88	24	0.354	ug/l #	28
51) 4-Methyl-2-Pentanone	8.67	43	3485	1.076	ug/l #	34
55) 1,1,2-Trichloroethane	9.16	97	17892	7.106	ug/l #	19
56) Ethyl methacrylate	9.16	69	3660	0.960	ug/l #	1
59) 2-Hexanone	9.51	43	549	0.215	ug/l	90
67) Ethyl Benzene	10.25	91	1231193	103.021	ug/l	98
68) m/p-Xylenes	10.36	106	1854077	400.389	ug/l	96
69) o-Xylene	10.69	106	263306	57.820	ug/l	96
70) Styrene	10.69	104	13165	1.724	ug/l #	1
73) Isopropylbenzene	11.02	105	201939	16.090	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	1176	0.283	ug/l #	48
76) 1,2,3-Trichloropropane	11.45	75	4416	1.309	ug/l #	1
78) n-propylbenzene	11.36	91	119286	8.648	ug/l	99
79) 2-Chlorotoluene	11.43	91	58791	7.158	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.51	105	159299	15.397	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.13	75	84744	58.599	ug/l #	16

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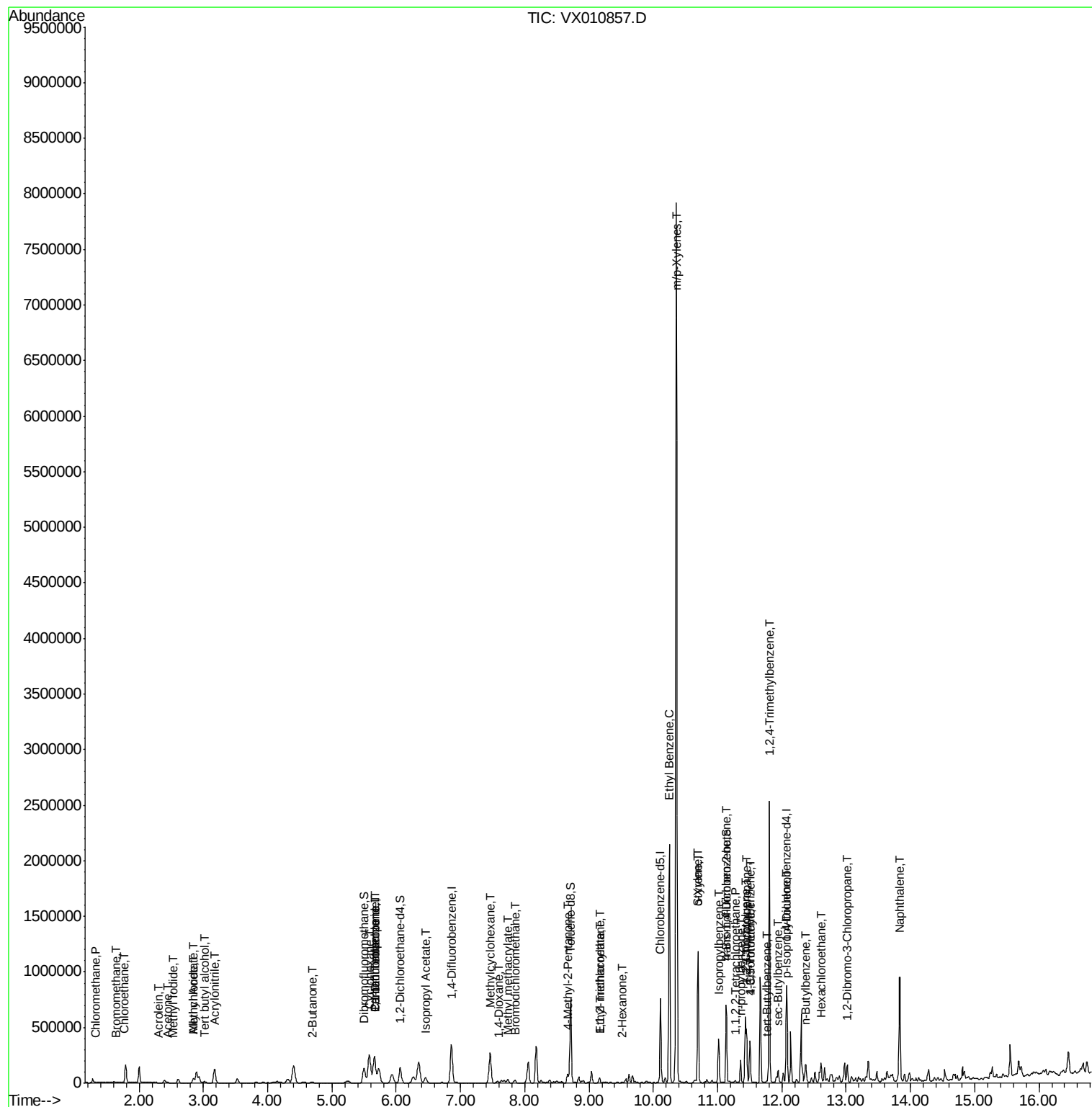
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	11.51	91	16964	1.815	ug/l #	45
83) tert-Butylbenzene	11.77	119	5429	0.523	ug/l	90
84) 1,2,4-Trimethylbenzene	11.80	105	1052797	101.282	ug/l	99
85) sec-Butylbenzene	11.94	105	54000	4.429	ug/l	100
86) p-Isopropyltoluene	12.06	119	33583	2.978	ug/l	97
89) n-Butylbenzene	12.38	91	25571	2.668	ug/l #	32
90) Hexachloroethane	12.61	117	11005	5.643	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	13.02	75	633	0.706	ug/l #	1
95) Naphthalene	13.83	128	600603	46.355	ug/l	99

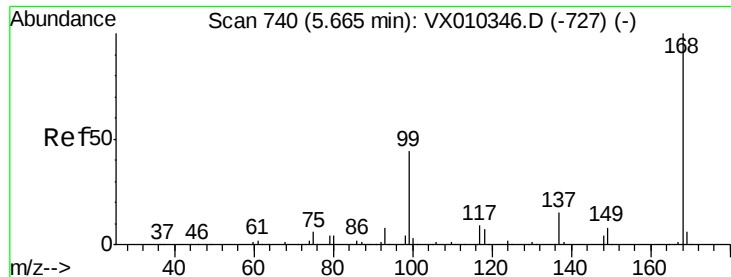
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX010857.D

Acq: 12 Jul 2019 23:49

Instrument :

MSVOA_X

ClientSampleId :

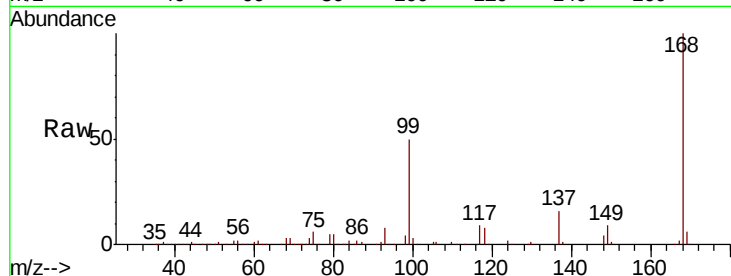
FL-0598

Tot Ion:168 Resp: 243744

Ion Ratio Lower Upper

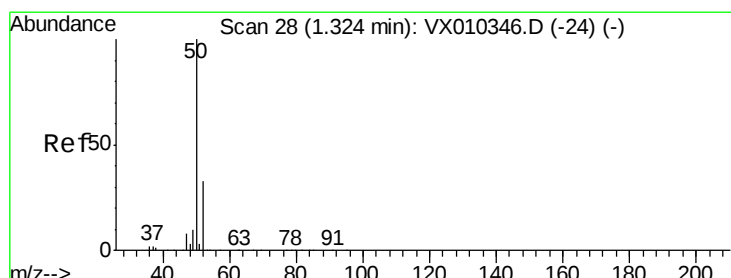
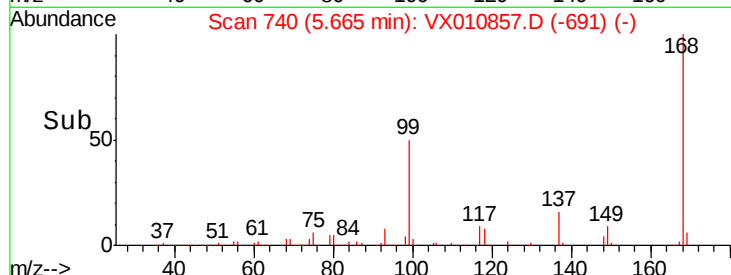
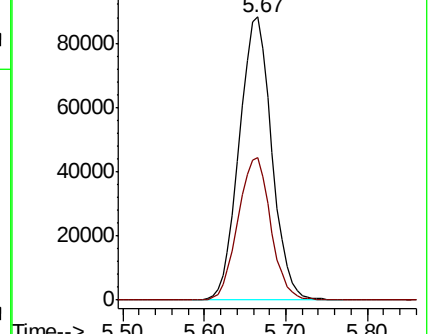
168 100

99 50.2 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.433 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010857.D

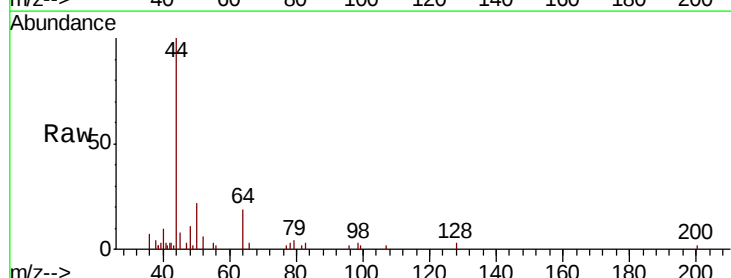
Acq: 12 Jul 2019 23:49

Tgt Ion: 50 Resp: 855

Ion Ratio Lower Upper

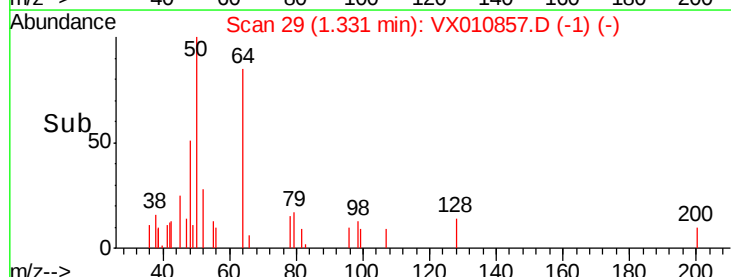
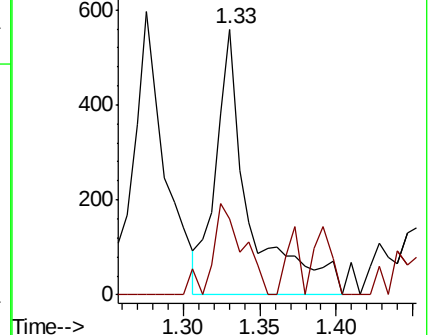
50 100

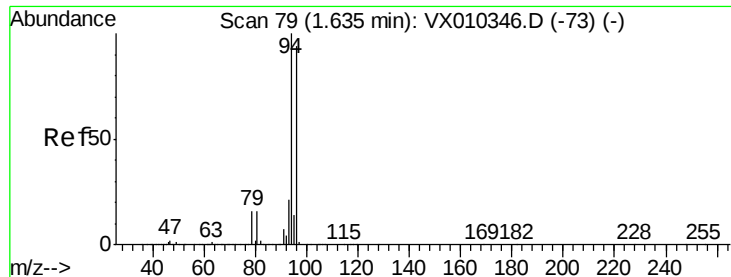
52 28.4 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.443 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010857.D

Acq: 12 Jul 2019 23:49

Instrument :

MSVOA_X

ClientSampleId :

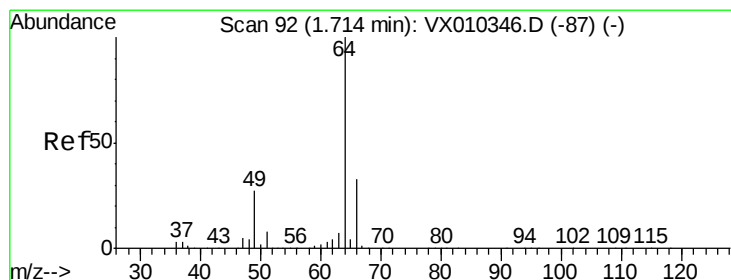
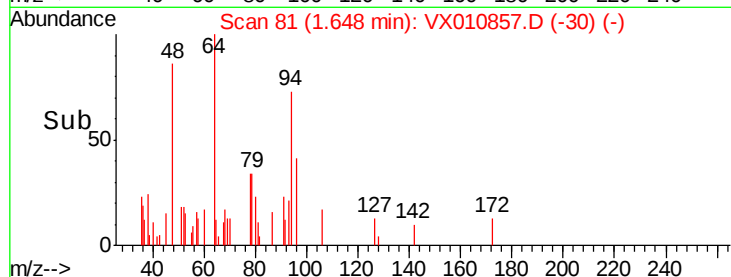
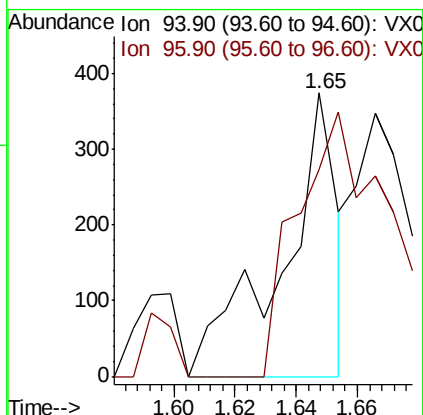
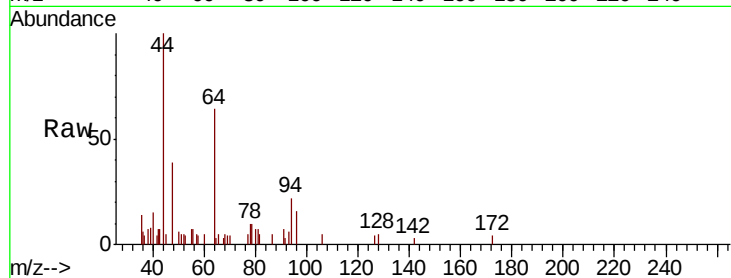
FL-0598

Tot Ion: 94 Resp: 466

Ion Ratio Lower Upper

94 100

96 73.3 75.5 113.3#



#6

Chloroethane

Concen: 0.241 ug/l

RT: 1.77 min Scan# 101

Delta R.T. 0.06 min

Lab File: VX010857.D

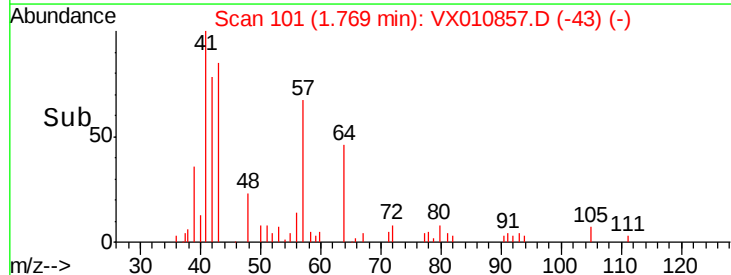
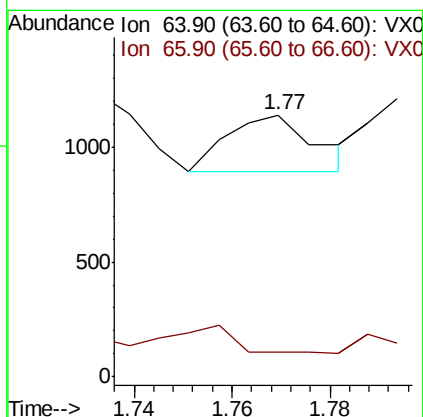
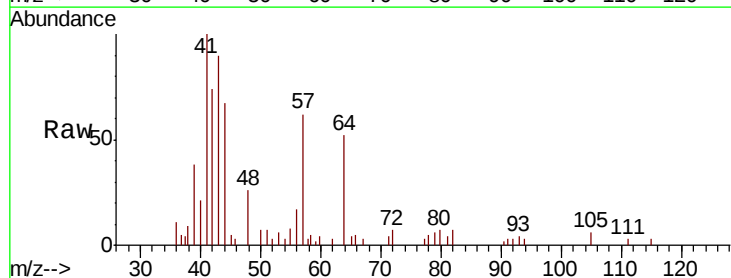
Acq: 12 Jul 2019 23:49

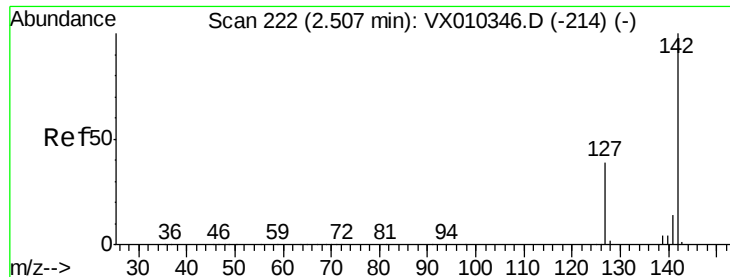
Tgt Ion: 64 Resp: 307

Ion Ratio Lower Upper

64 100

66 2.4 26.6 40.0#

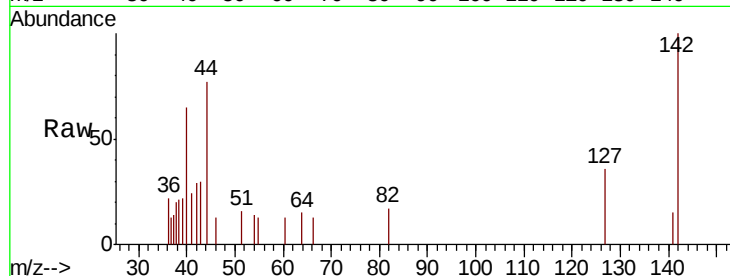




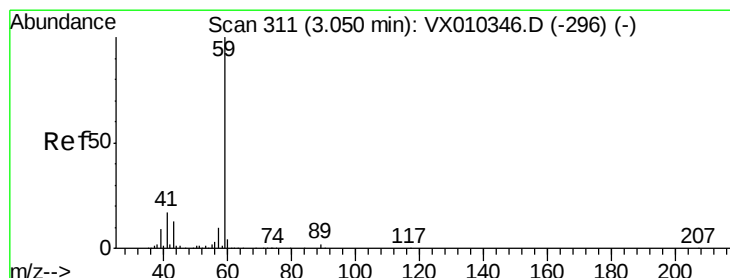
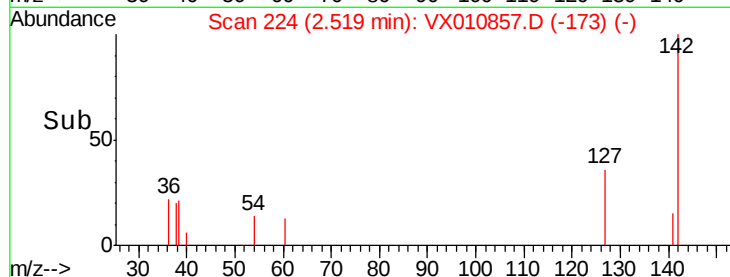
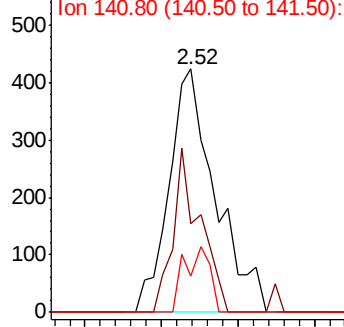
#10
Methvl Iodide
Concen: 0.301 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX010857.D
Acq: 12 Jul 2019 23:49

Instrument :
MSVOA_X
ClientSampled :
FL-0598

Tot Ion:142 Resp: 892
Ion Ratio Lower Upper
142 100
127 39.2 31.1 46.7
141 14.8 11.2 16.8

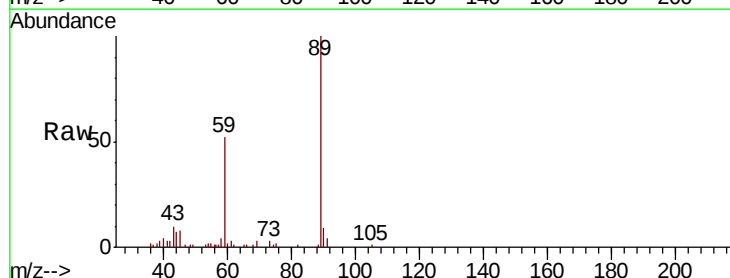


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

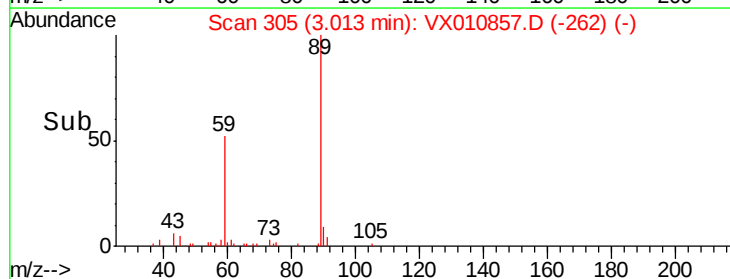
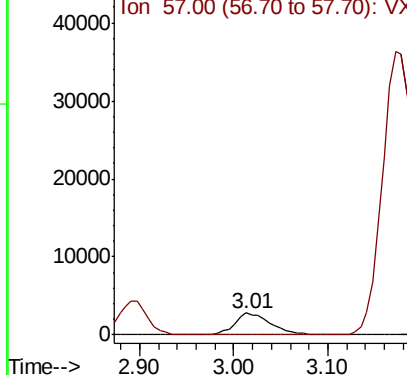


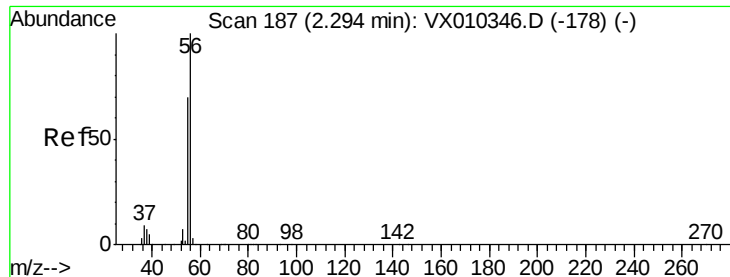
#11
Tert butyl alcohol
Concen: 12.796 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX010857.D
Acq: 12 Jul 2019 23:49

Tgt Ion: 59 Resp: 7652
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: 0.781 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010857.D

Acq: 12 Jul 2019 23:49

Instrument :

MSVOA_X

ClientSampled :

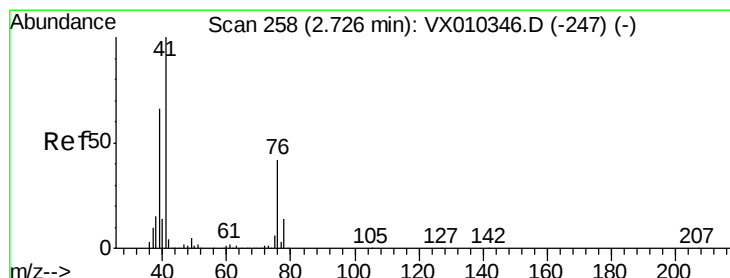
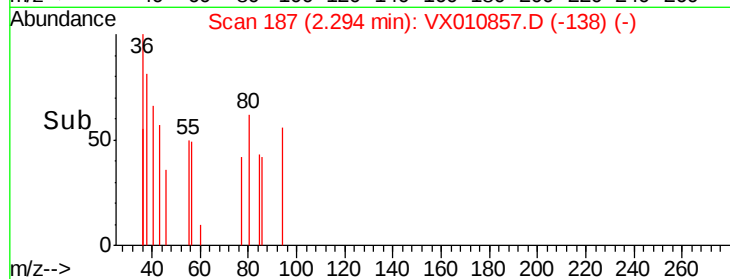
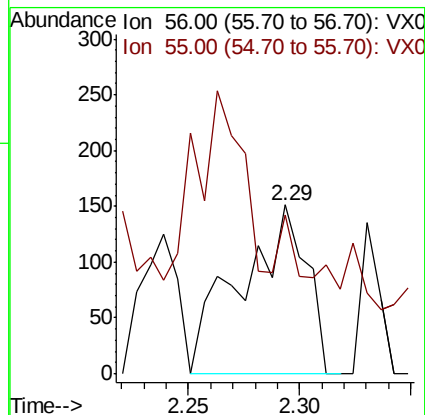
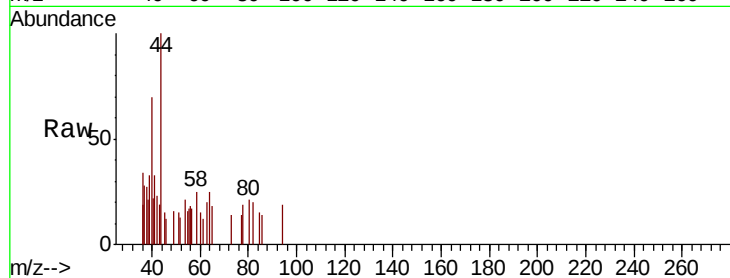
FL-0598

Tot Ion: 56 Resp: 310

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



#14

Allyl chloride

Concen: 3.287 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.12 min

Lab File: VX010857.D

Acq: 12 Jul 2019 23:49

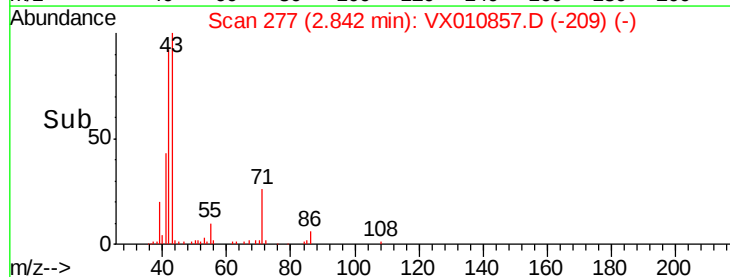
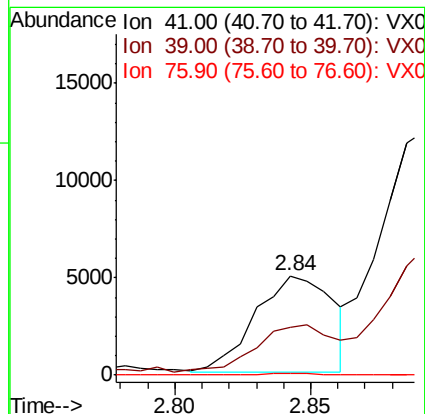
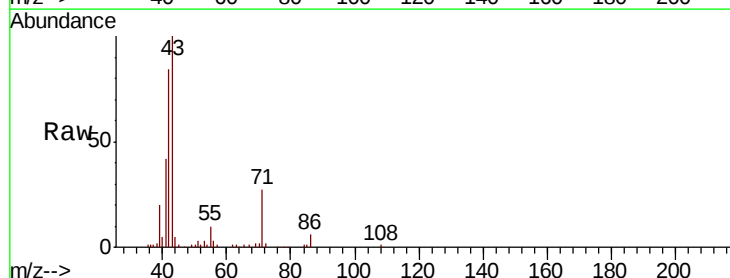
Tgt Ion: 41 Resp: 9859

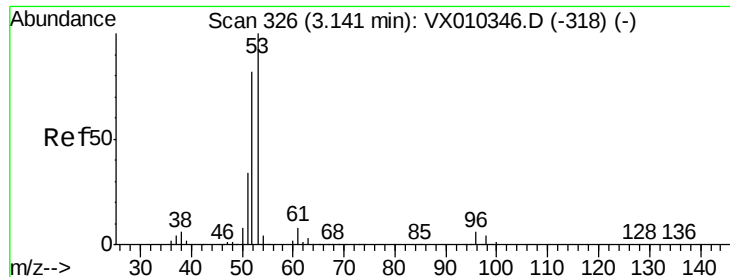
Ion Ratio Lower Upper

41 100

39 48.5 50.3 75.5#

76 0.9 31.3 46.9#





#15

Acrylonitrile

Concen: 3.080 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.03 min

Lab File: VX010857.D

Acq: 12 Jul 2019 23:49

Instrument :

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ClientSampleId :

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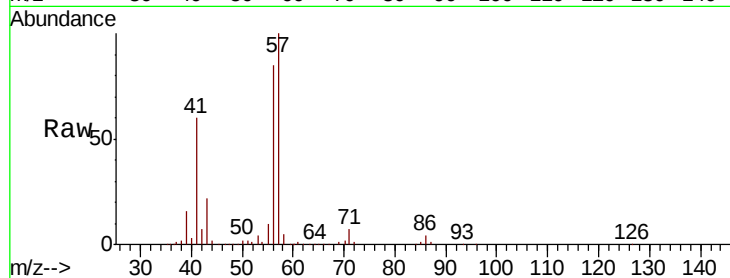
Tot Ion: 53 Resp: 3647

Ion Ratio Lower Upper

53 100

52 27.9 65.5 98.3#

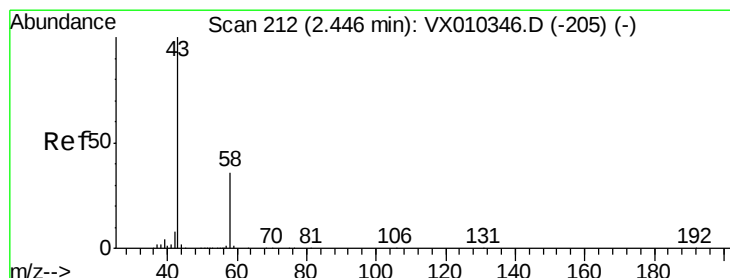
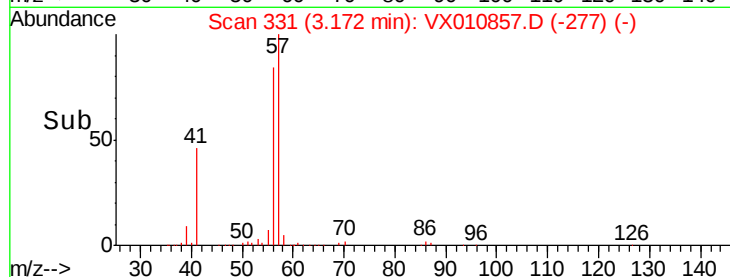
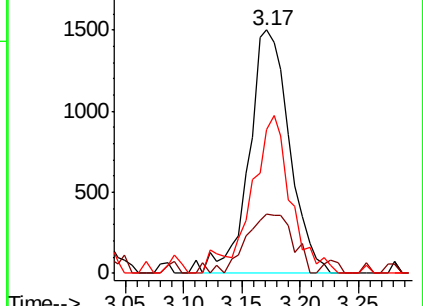
51 58.4 28.2 42.4#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 4.206 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010857.D

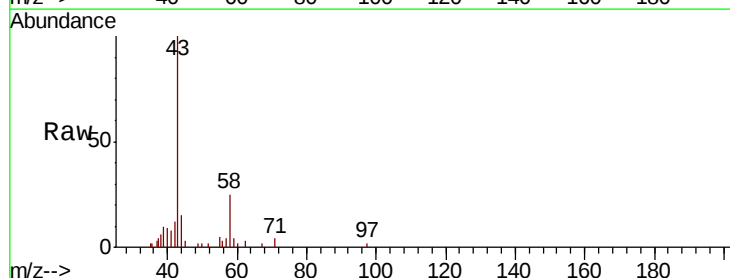
Acq: 12 Jul 2019 23:49

Tgt Ion: 43 Resp: 4817

Ion Ratio Lower Upper

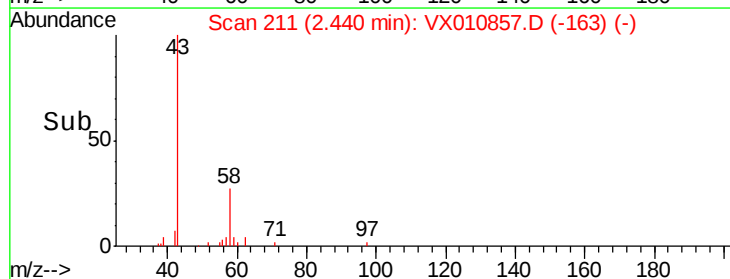
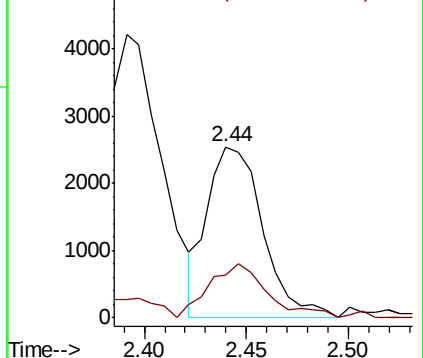
43 100

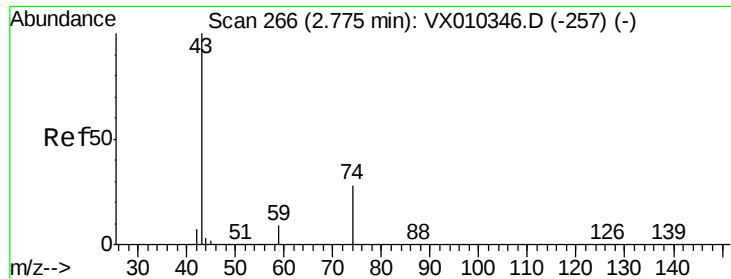
58 25.0 28.9 43.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

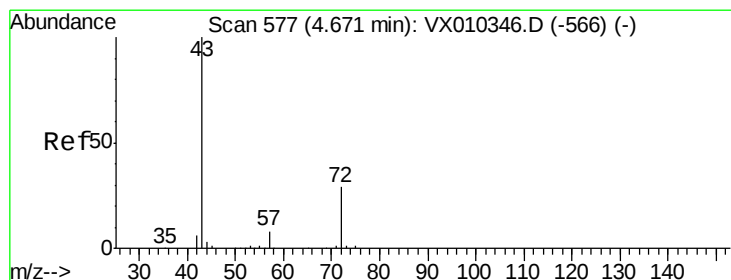
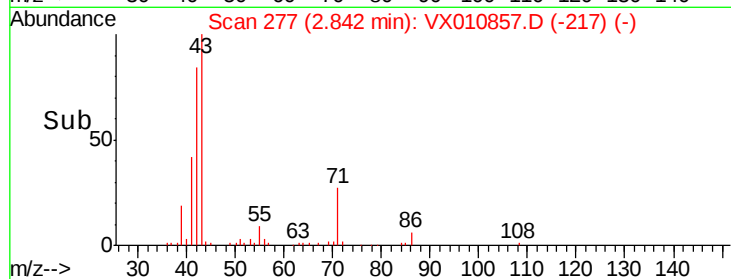
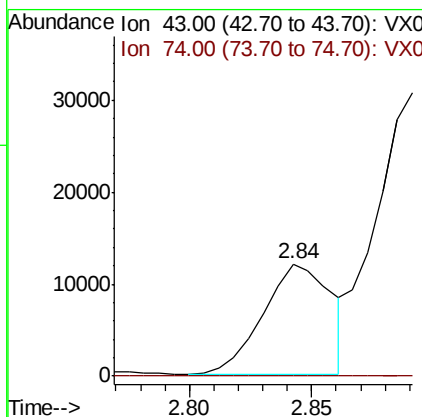
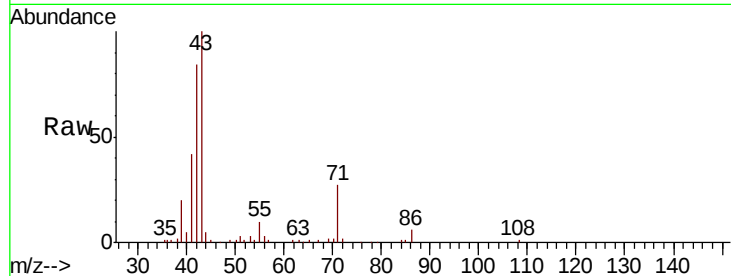




#18
Methvl Acetate
Concen: 10.229 ug/l
RT: 2.84 min Scan# 277
Delta R.T. 0.07 min
Lab File: VX010857.D
Acq: 12 Jul 2019 23:49

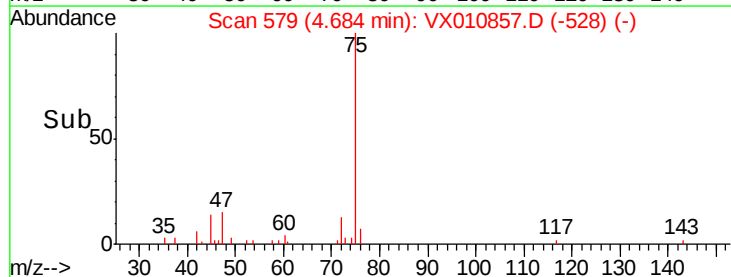
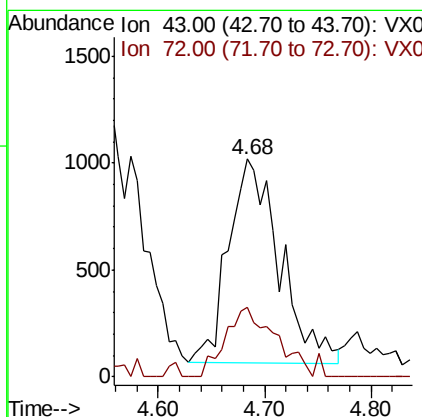
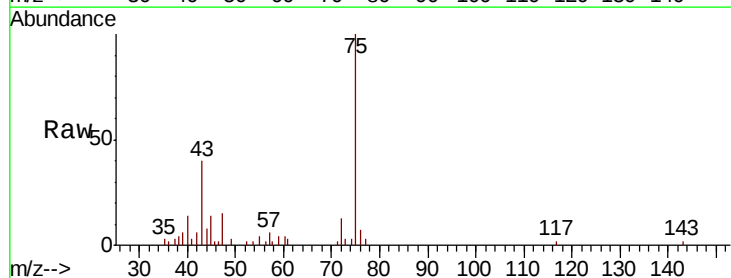
Instrument :
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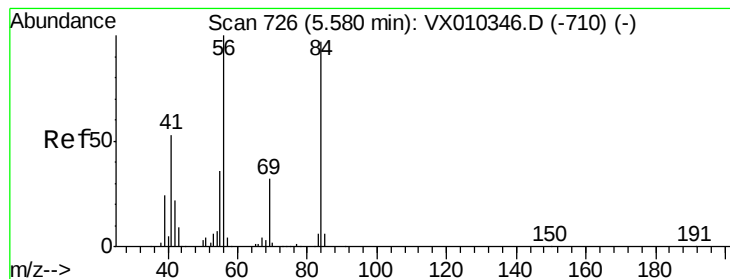
Tot Ion: 43 Resp: 23350
Ion Ratio Lower Upper
43 100
74 0.1 21.3 31.9#



#25
2-Butanone
Concen: 1.910 ug/l
RT: 4.68 min Scan# 579
Delta R.T. 0.01 min
Lab File: VX010857.D
Acq: 12 Jul 2019 23:49

Tgt Ion: 43 Resp: 3209
Ion Ratio Lower Upper
43 100
72 34.4 23.3 34.9





#31

Cyclohexane

Concen: 53.924 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010857.D

Acq: 12 Jul 2019 23:49

Instrument :

MSVOA_X

ClientSampleId :

FL-0598

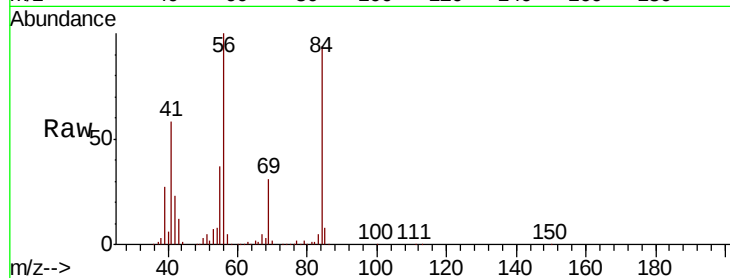
Tot Ion: 56 Resp: 178004

Ion Ratio Lower Upper

56 100

69 30.6 25.9 38.9

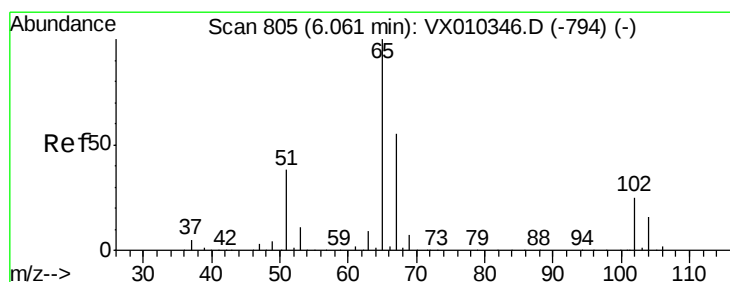
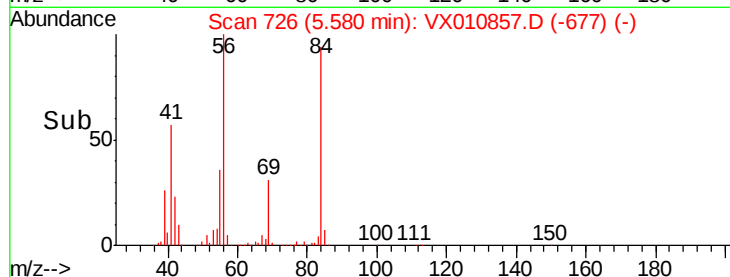
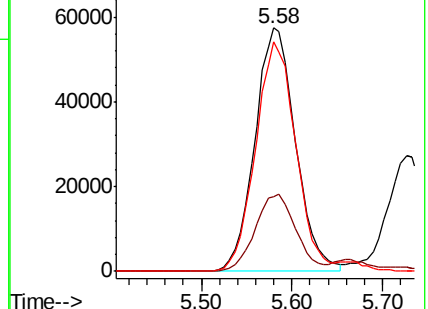
84 94.1 78.0 117.0



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: 56.456 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010857.D

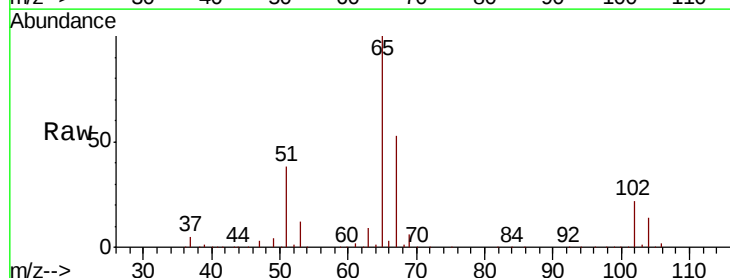
Acq: 12 Jul 2019 23:49

Tgt Ion: 65 Resp: 129021

Ion Ratio Lower Upper

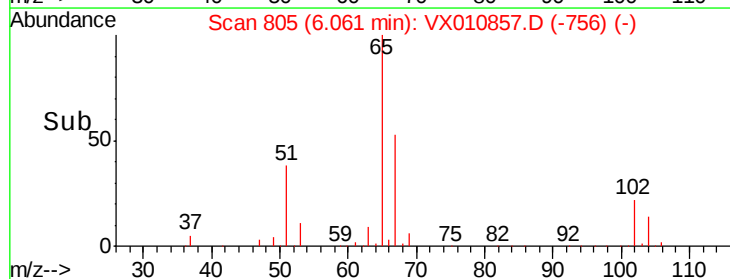
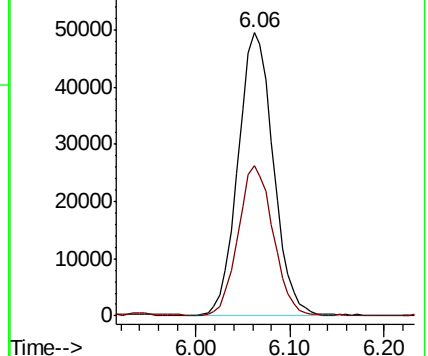
65 100

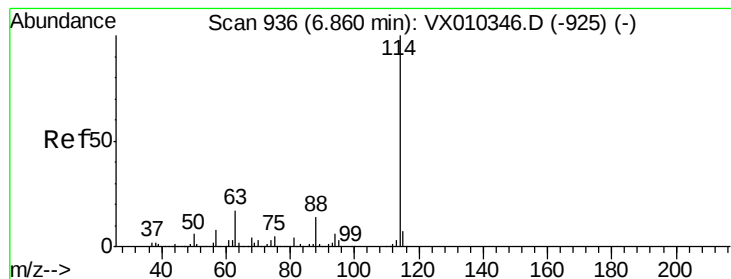
67 53.2 0.0 110.2



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: VX010857.D

Acq: 12 Jul 2019 23:49

Instrument :

MSVOA_X

ClientSampleId :

FL-0598

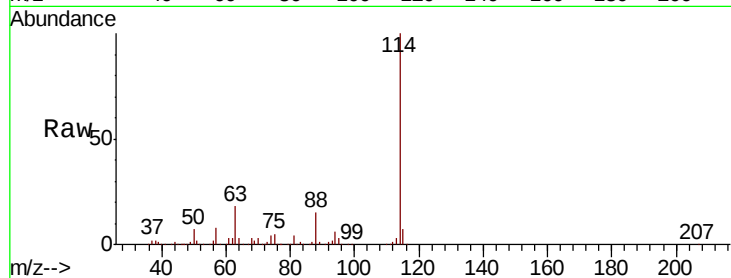
Tot Ion:114 Resp: 374471

Ion Ratio Lower Upper

114 100

63 17.7 0.0 33.8

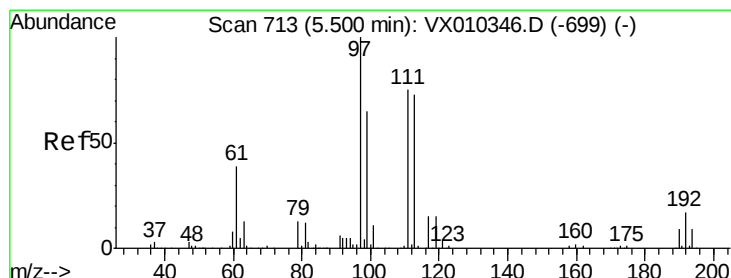
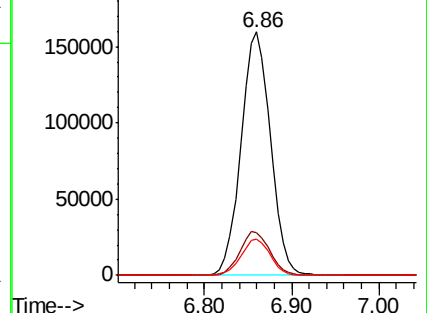
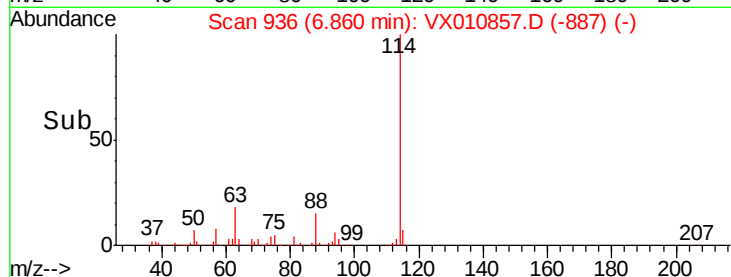
88 15.1 0.0 27.6



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: 49.673 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010857.D

Acq: 12 Jul 2019 23:49

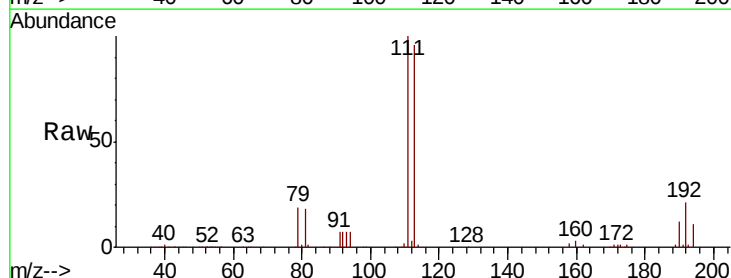
Tgt Ion:113 Resp: 113809

Ion Ratio Lower Upper

113 100

111 102.2 81.2 121.8

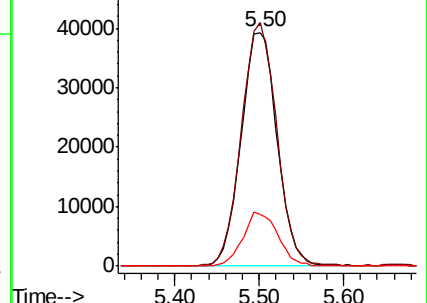
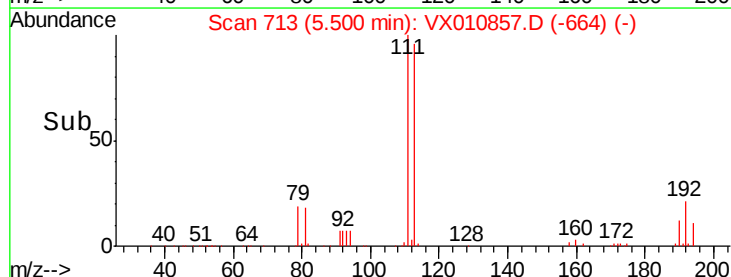
192 22.4 18.6 27.8

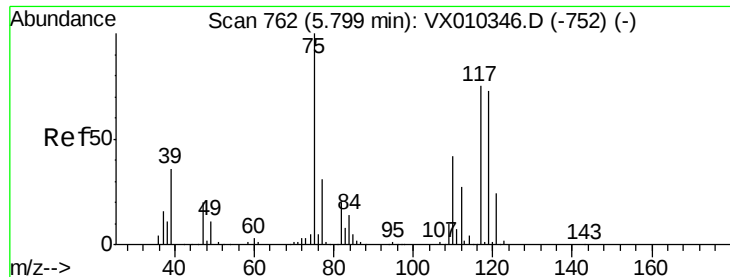


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

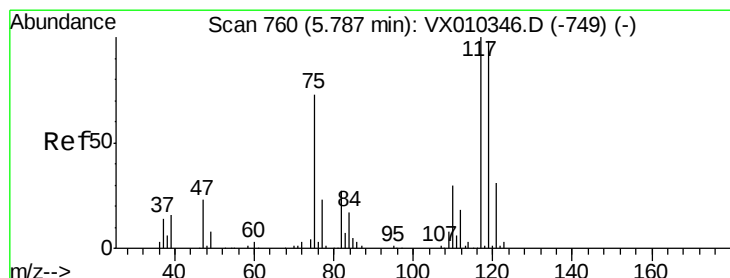
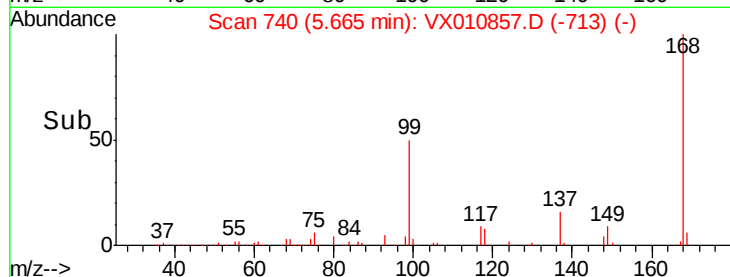
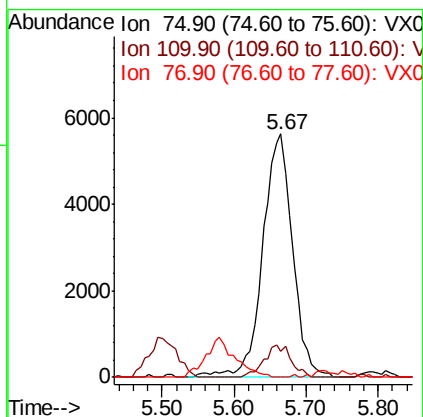
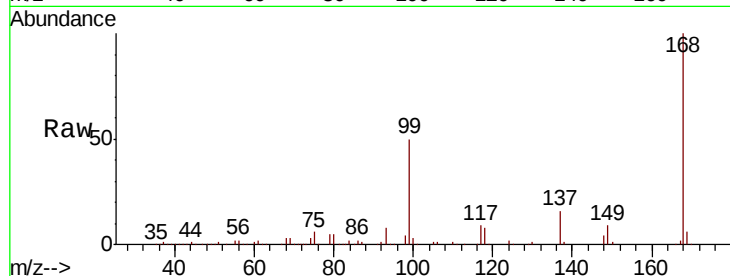




#36
 1,1-Dichloropropene
 Concen: 5.432 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010857.D
 Acq: 12 Jul 2019 23:49

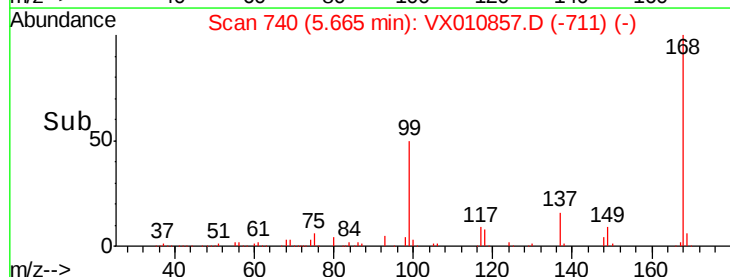
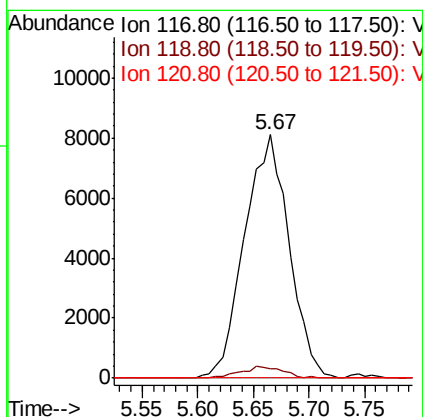
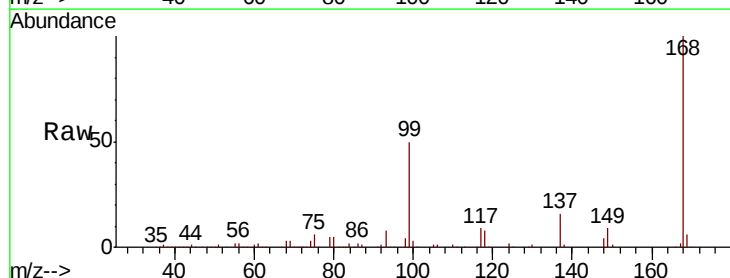
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0598

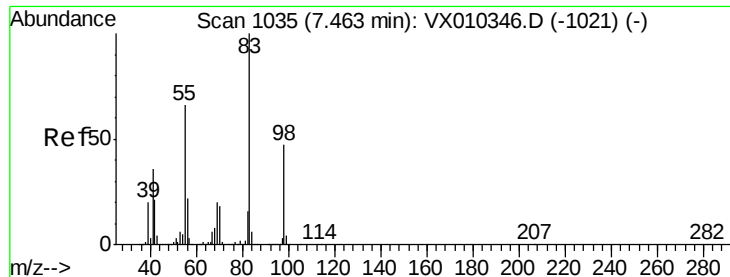
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.9	20.8	62.2#
77	0.0	25.4	38.0#



#38
 Carbon Tetrachloride
 Concen: 7.002 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX010857.D
 Acq: 12 Jul 2019 23:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.6	78.2	117.4#
121	0.0	24.7	37.1#





#39

Methvlcvclohexane

Concen: 33.000 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX010857.D

Acq: 12 Jul 2019 23:49

Instrument :

MSVOA_X

ClientSampleId :

FL-0598

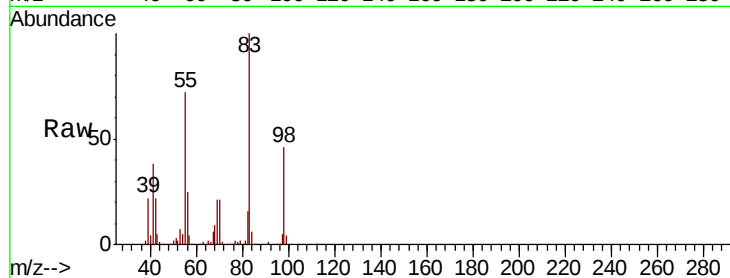
Tot Ion: 83 Resp: 129081

Ion Ratio Lower Upper

83 100

55 71.6 53.0 79.6

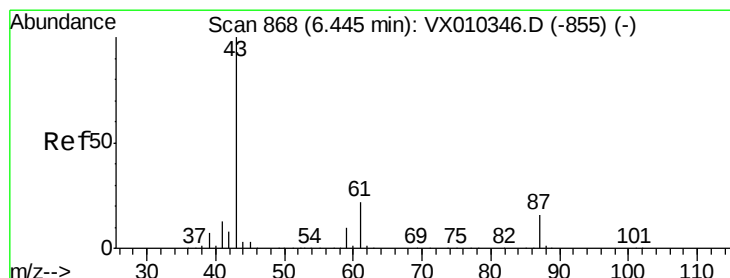
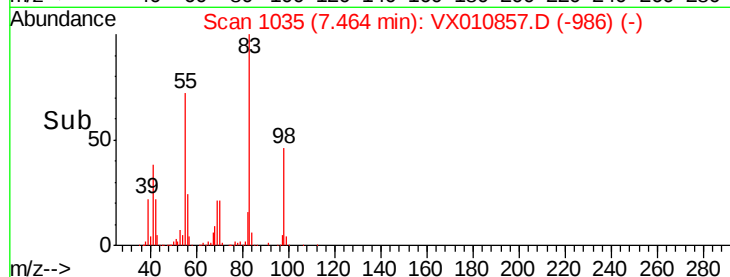
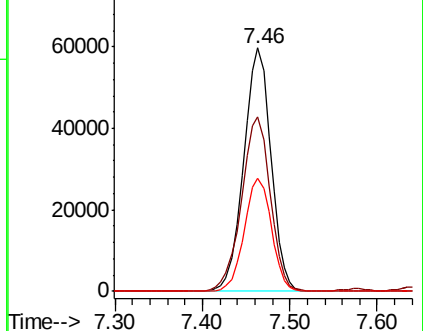
98 46.4 37.8 56.8



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: 0.458 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.02 min

Lab File: VX010857.D

Acq: 12 Jul 2019 23:49

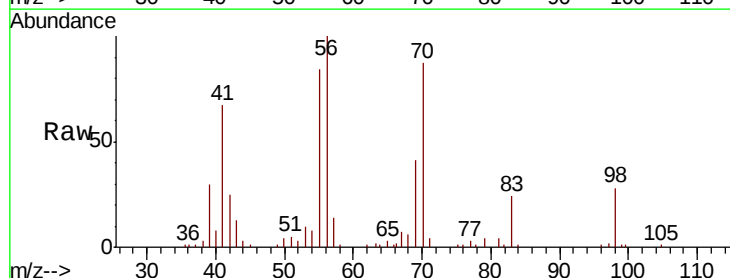
Tgt Ion: 43 Resp: 2318

Ion Ratio Lower Upper

43 100

61 1.2 17.8 26.6#

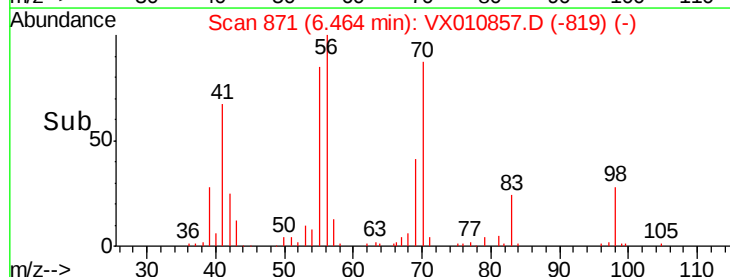
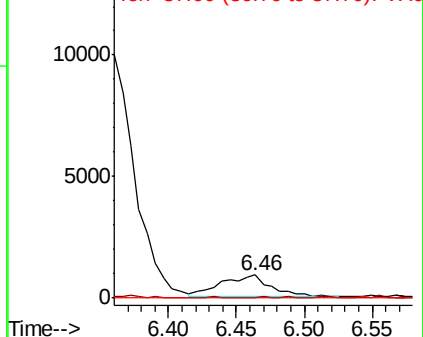
87 0.0 13.0 19.4#

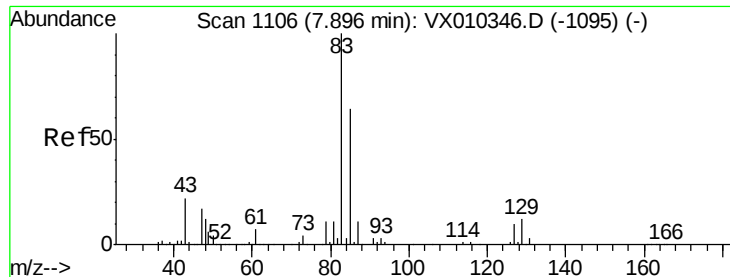


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#47

Bromodichloromethane

Concen: 0.267 ug/l

RT: 7.85 min Scan# 1099

Delta R.T. -0.04 min

Lab File: VX010857.D

Acq: 12 Jul 2019 23:49

Instrument :

MSVOA_X

ClientSampled :

FL-0598

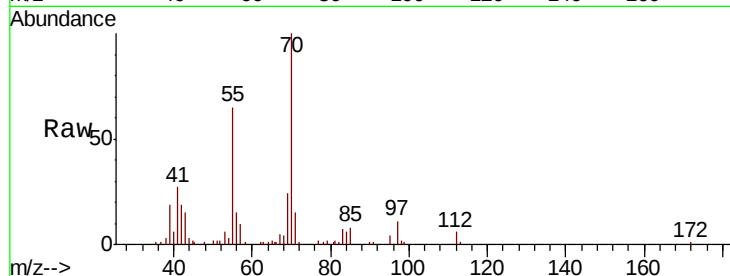
Tot Ion: 83 Resp: 823

Ion Ratio Lower Upper

83 100

85 118.6 51.5 77.3#

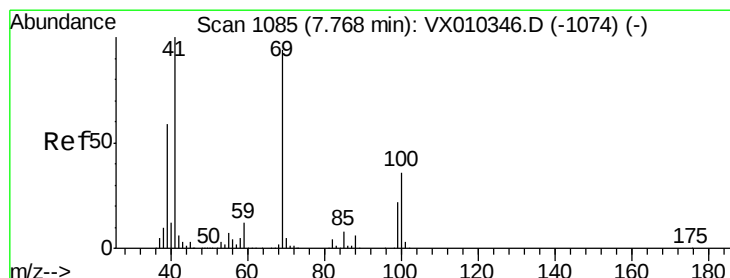
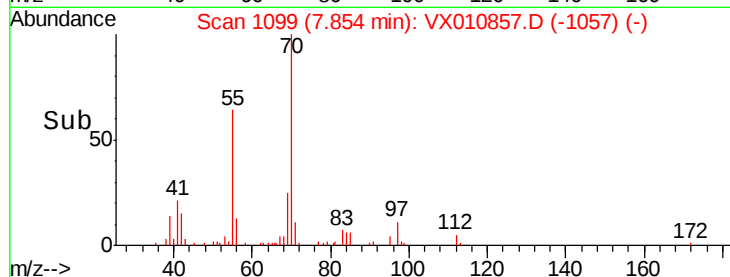
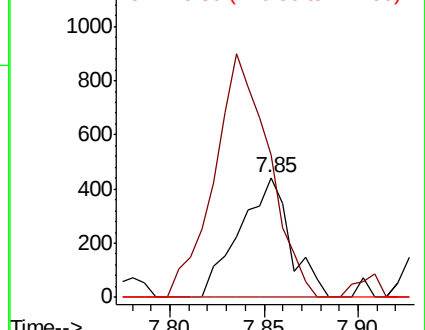
127 0.0 7.8 11.8#



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



#48

Methyl methacrylate

Concen: 2.812 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.04 min

Lab File: VX010857.D

Acq: 12 Jul 2019 23:49

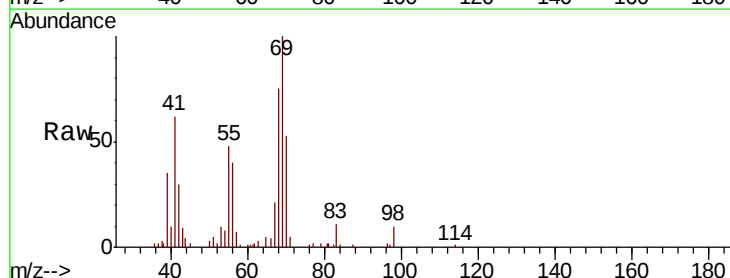
Tgt Ion: 41 Resp: 6620

Ion Ratio Lower Upper

41 100

69 171.3 76.1 114.1#

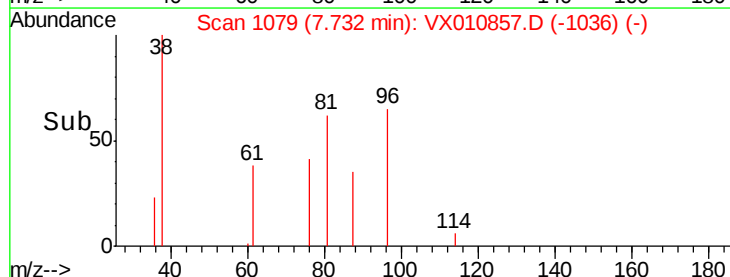
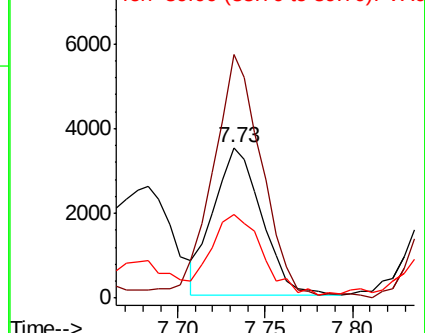
39 56.7 47.6 71.4

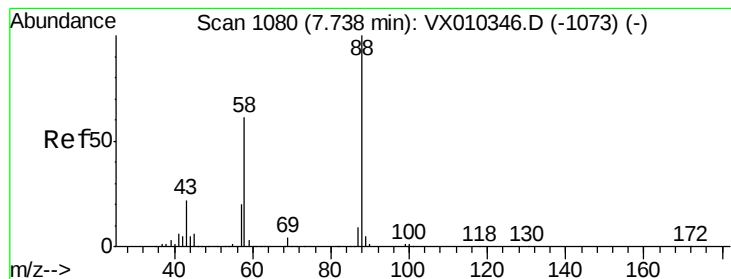


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 0.354 ug/l

RT: 7.60 min Scan# 1058

Delta R.T. -0.13 min

Lab File: VX010857.D

Acq: 12 Jul 2019 23:49

Instrument :

MSVOA_X

ClientSampled :

FL-0598

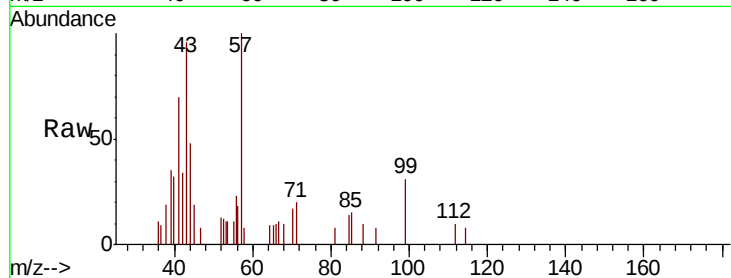
Tot Ion: 88 Resp: 24

Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.2#

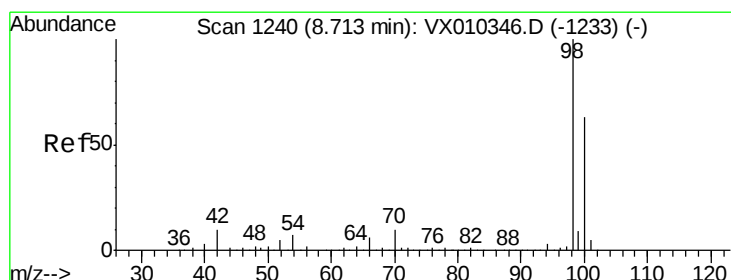
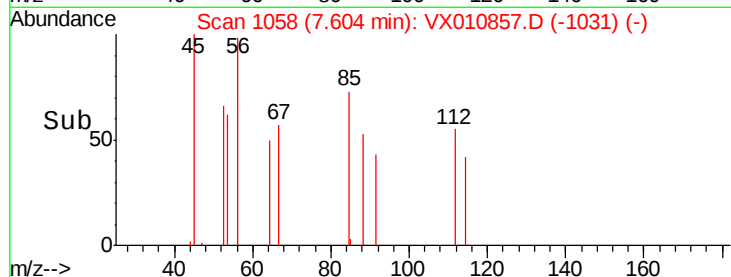
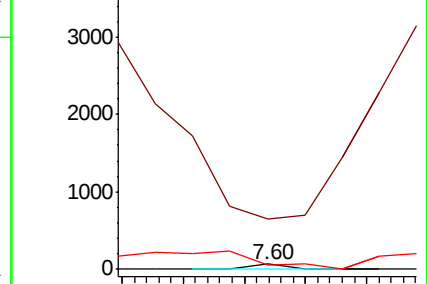
58 0.0 49.5 74.3#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 51.712 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010857.D

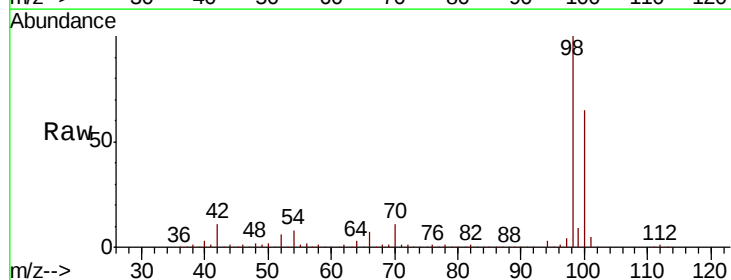
Acq: 12 Jul 2019 23:49

Tgt Ion: 98 Resp: 453280

Ion Ratio Lower Upper

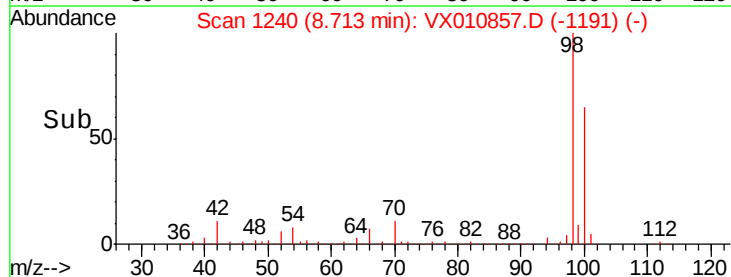
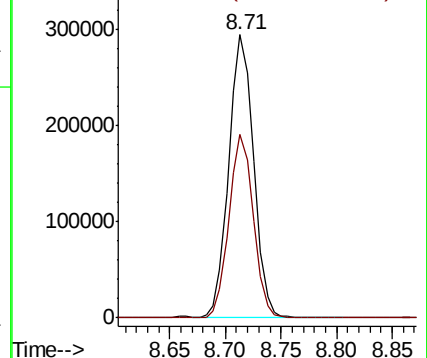
98 100

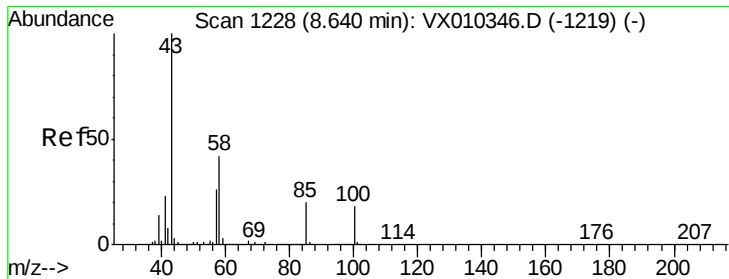
100 63.8 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.076 ug/l

RT: 8.67 min Scan# 1233

Delta R.T. 0.03 min

Lab File: VX010857.D

Acq: 12 Jul 2019 23:49

Instrument :

MSVOA_X

ClientSampled :

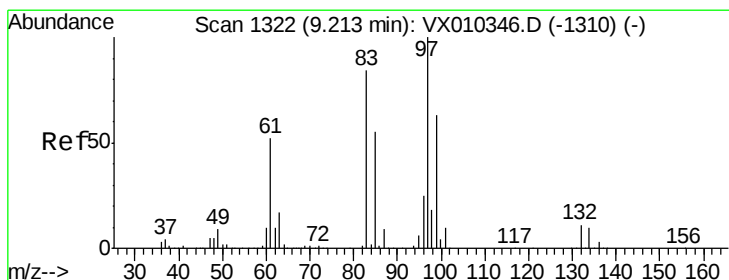
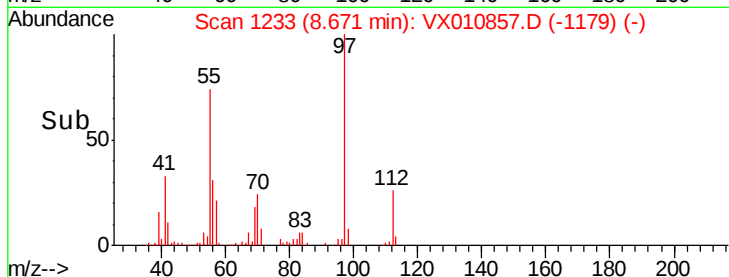
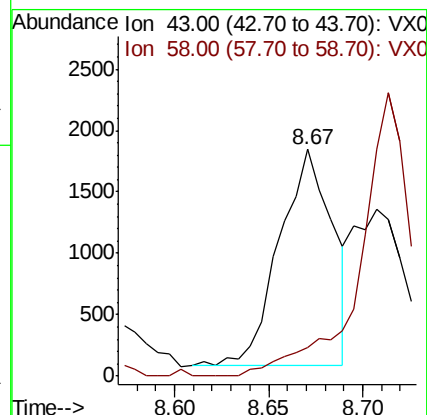
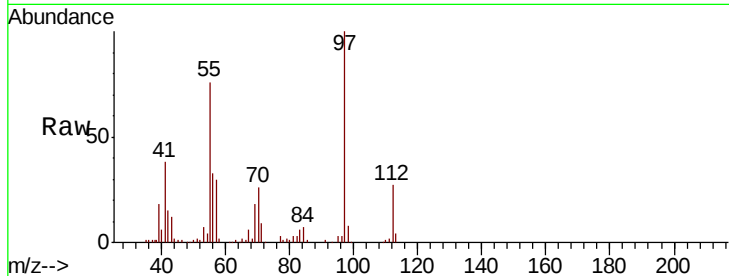
FL-0598

Tot Ion: 43 Resp: 3485

Ion Ratio Lower Upper

43 100

58 0.0 33.5 50.3#



#55

1,1,2-Trichloroethane

Concen: 7.106 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX010857.D

Acq: 12 Jul 2019 23:49

Tgt Ion: 97 Resp: 17892

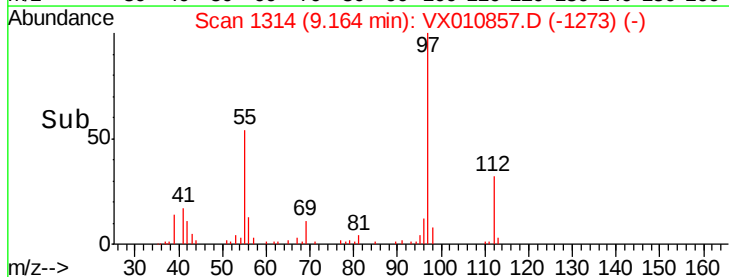
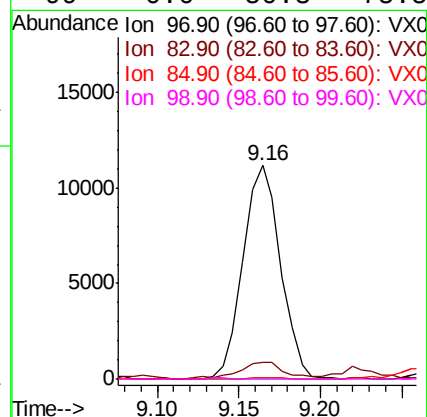
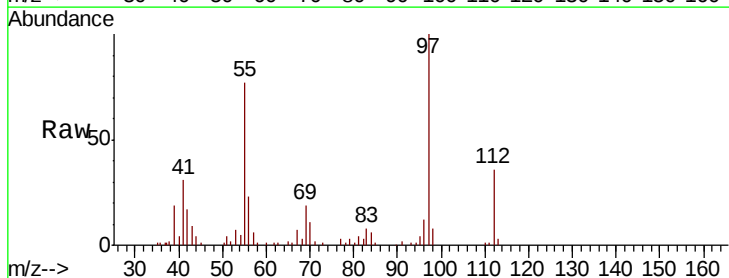
Ion Ratio Lower Upper

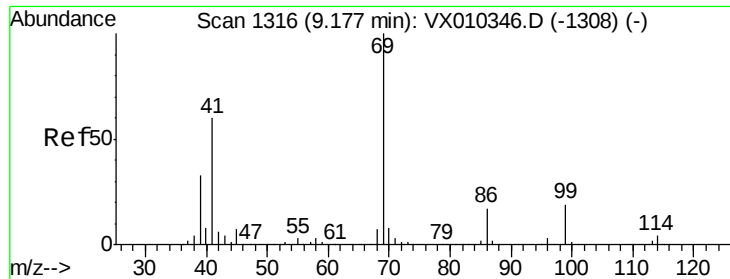
97 100

83 7.6 67.4 101.0#

85 0.6 43.8 65.8#

99 0.0 50.3 75.5#

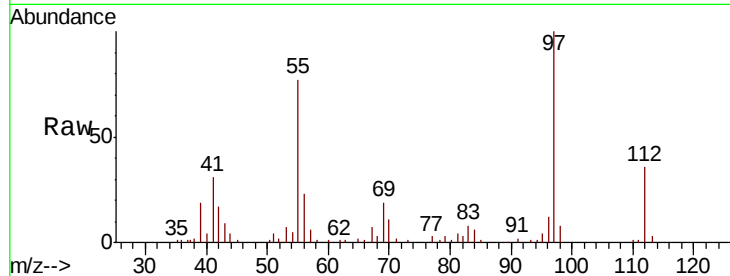




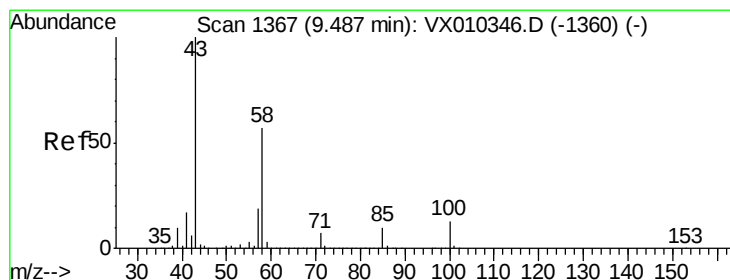
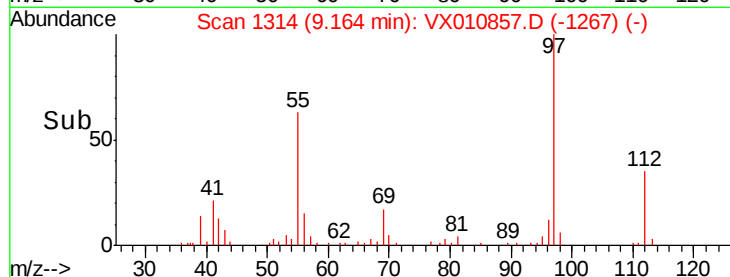
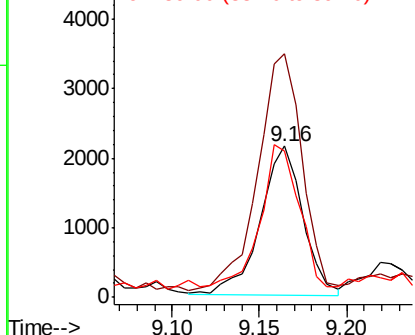
#56
Ethyl methacrylate
Concen: 0.960 ug/l
RT: 9.16 min Scan# 1314
Delta R.T. -0.01 min
Lab File: VX010857.D
Acq: 12 Jul 2019 23:49

Instrument :
MSVOA_X
ClientSampleId :
FL-0598

Tot Ion: 69 Resp: 3660
Ion Ratio Lower Upper
69 100
41 161.6 47.1 70.7#
39 85.2 26.6 40.0#

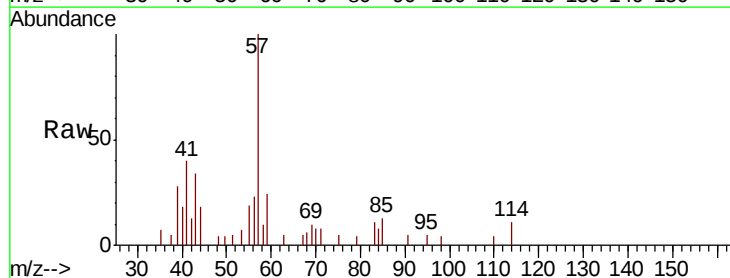


Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

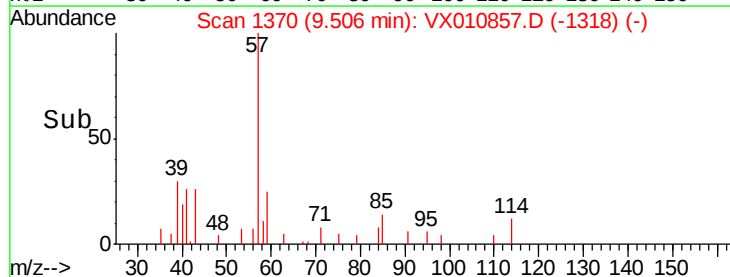
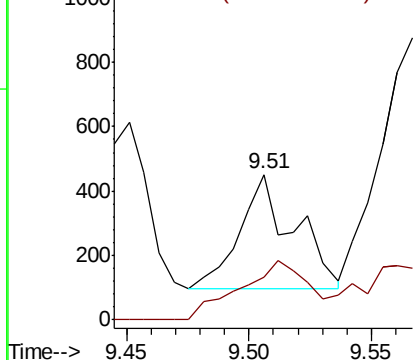


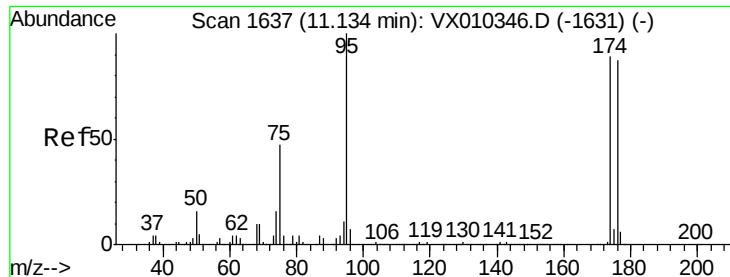
#59
2-Hexanone
Concen: 0.215 ug/l
RT: 9.51 min Scan# 1370
Delta R.T. 0.02 min
Lab File: VX010857.D
Acq: 12 Jul 2019 23:49

Tgt Ion: 43 Resp: 549
Ion Ratio Lower Upper
43 100
58 65.2 29.0 87.1



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 53.762 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010857.D

Acq: 12 Jul 2019 23:49

Instrument :

MSVOA_X

ClientSampleId :

FL-0598

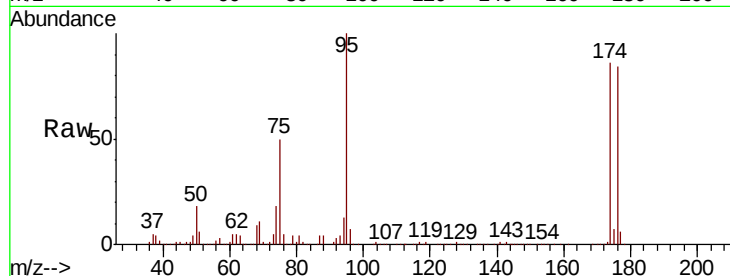
Tot Ion: 95 Resp: 170134

Ion Ratio Lower Upper

95 100

174 89.6 0.0 187.6

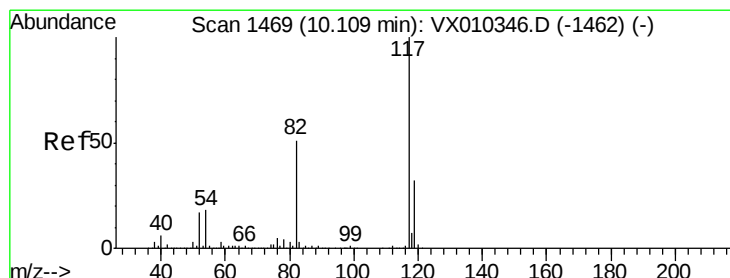
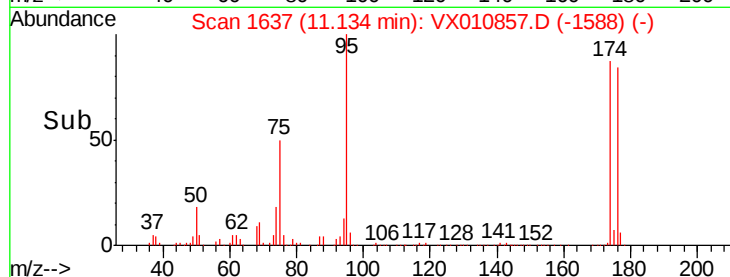
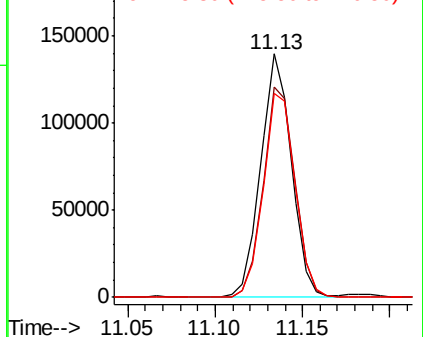
176 87.2 0.0 184.0



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: VX010857.D

Acq: 12 Jul 2019 23:49

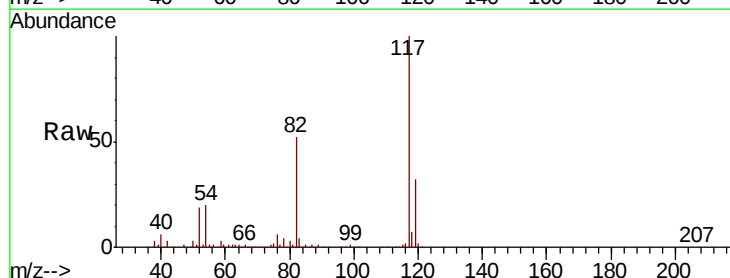
Tgt Ion: 117 Resp: 348687

Ion Ratio Lower Upper

117 100

82 52.3 41.2 61.8

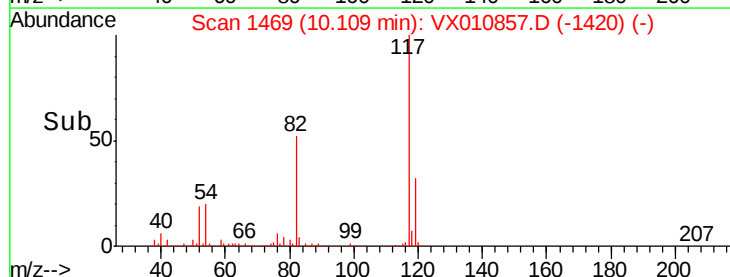
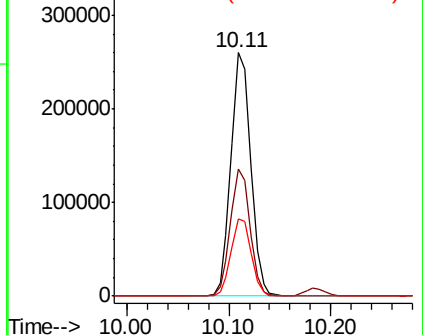
119 32.0 25.5 38.3

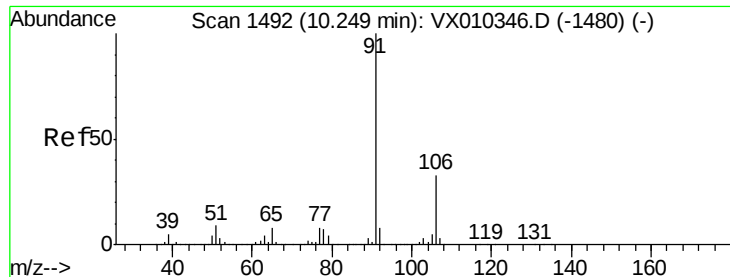


Abundance Ion 116.90 (116.60 to 117.60): VX010346.D (-1462) (-)

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

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

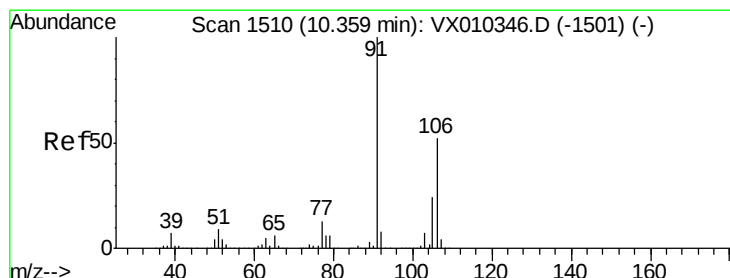
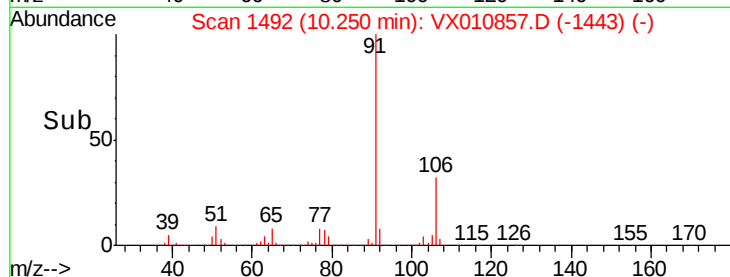
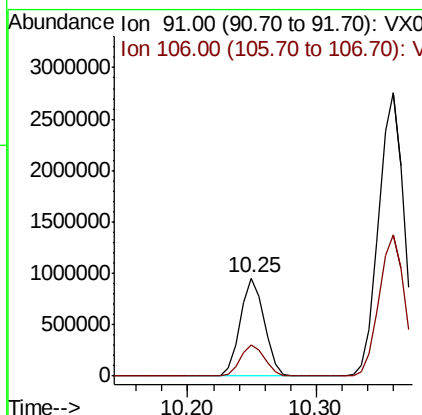
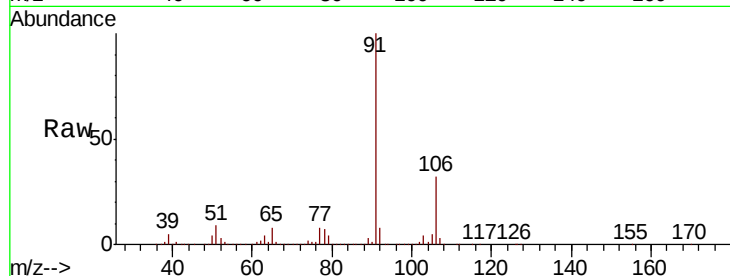




#67
Ethyl Benzene
Concen: 103.021 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010857.D
Acq: 12 Jul 2019 23:49

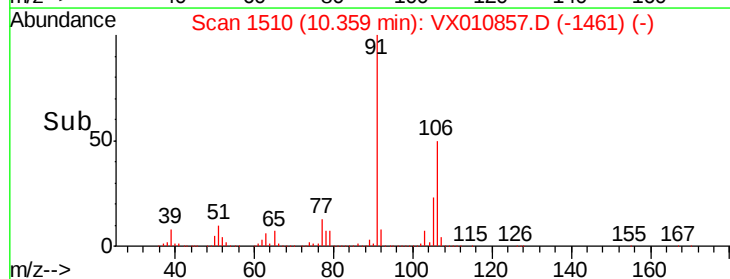
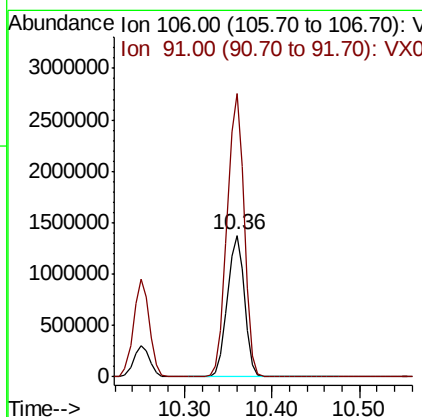
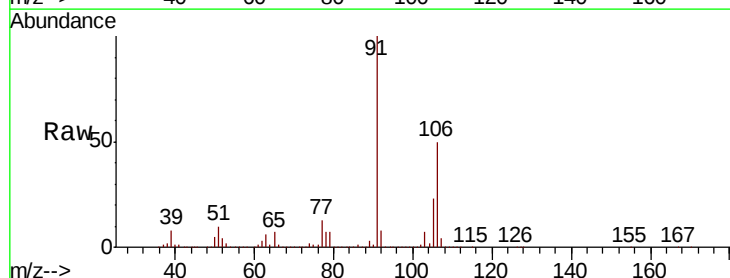
Instrument :
MSVOA_X
ClientSampled :
FL-0598

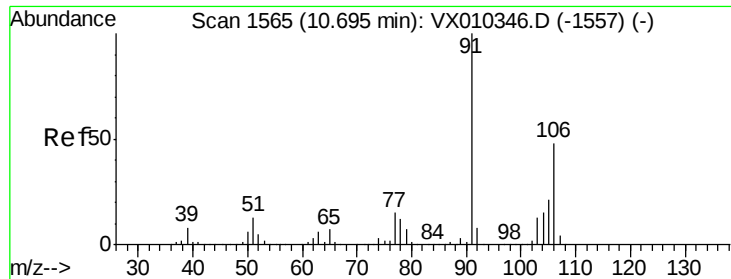
Tot Ion: 91 Resp: 1231193
Ion Ratio Lower Upper
91 100
106 31.5 26.2 39.2



#68
m/p-Xylenes
Concen: 400.389 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010857.D
Acq: 12 Jul 2019 23:49

Tgt Ion: 106 Resp: 1854077
Ion Ratio Lower Upper
106 100
91 200.5 155.3 232.9

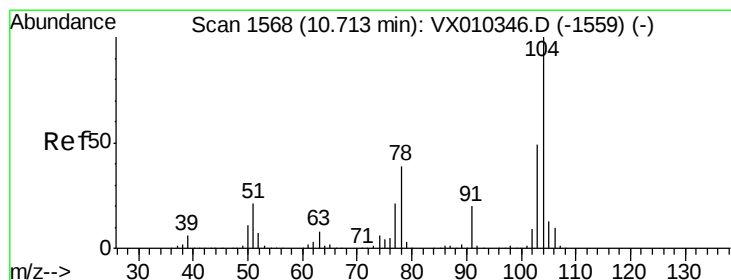
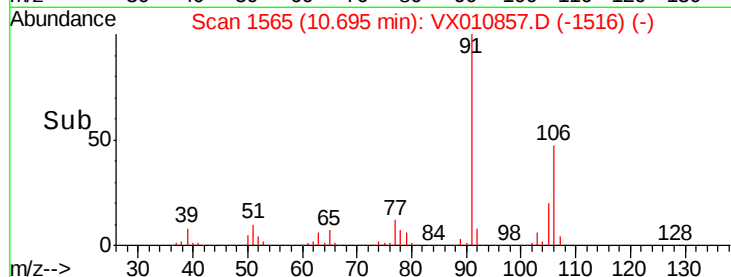
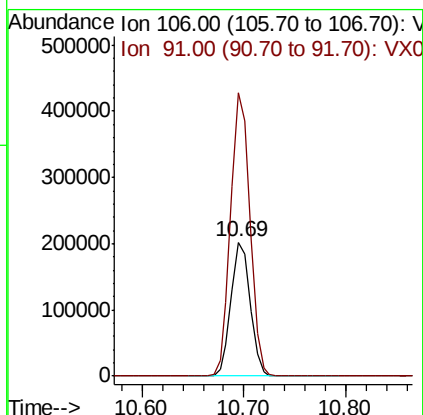
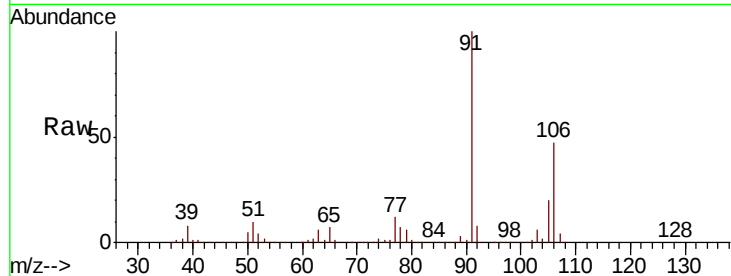




#69
o-Xylene
Concen: 57.820 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010857.D
Acq: 12 Jul 2019 23:49

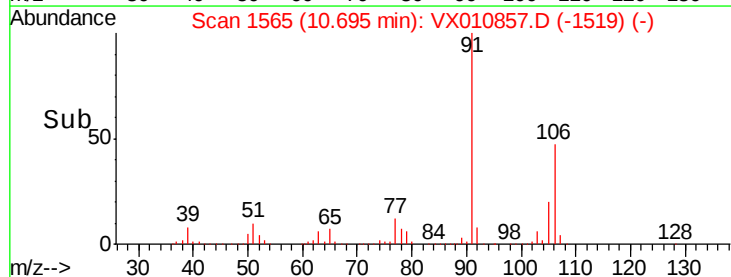
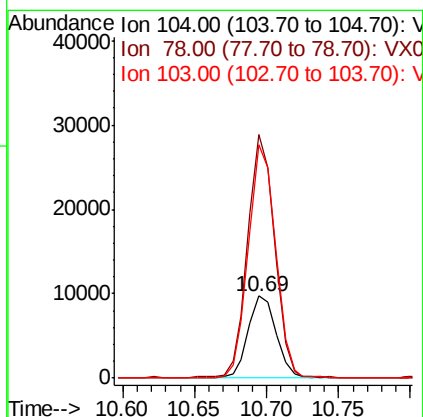
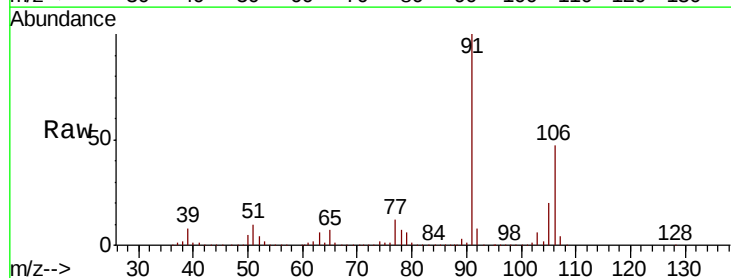
Instrument :
MSVOA_X
ClientSampled :
FL-0598

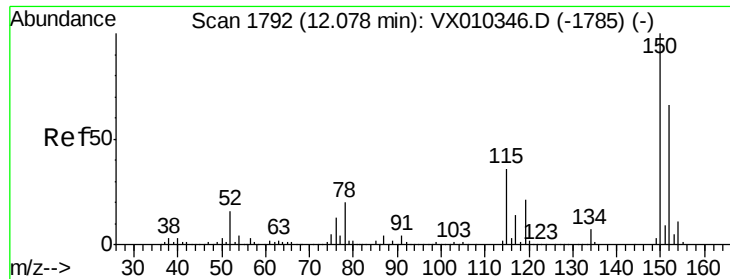
Tot Ion:106 Resp: 263306
Ion Ratio Lower Upper
106 100
91 211.7 102.7 308.1



#70
Styrene
Concen: 1.724 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.02 min
Lab File: VX010857.D
Acq: 12 Jul 2019 23:49

Tgt Ion:104 Resp: 13165
Ion Ratio Lower Upper
104 100
78 281.4 36.2 54.2#
103 274.8 44.2 66.4#



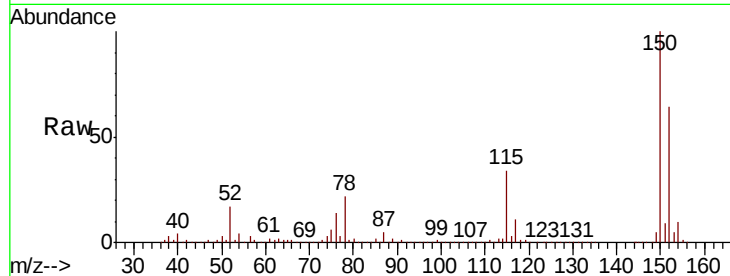


#72

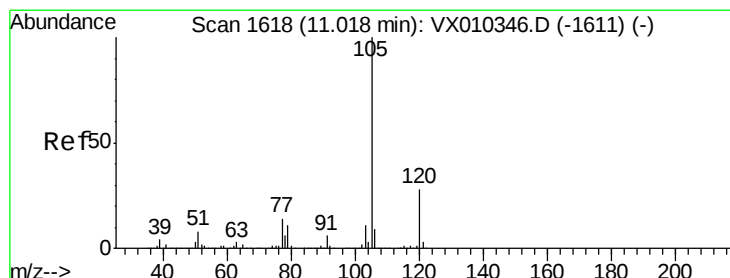
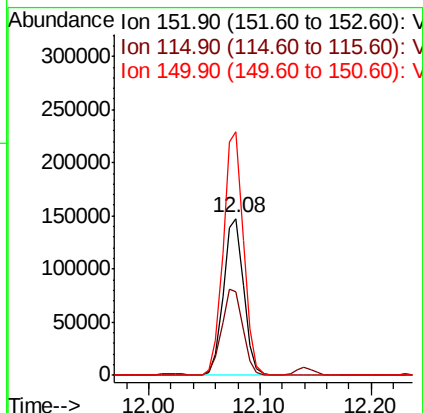
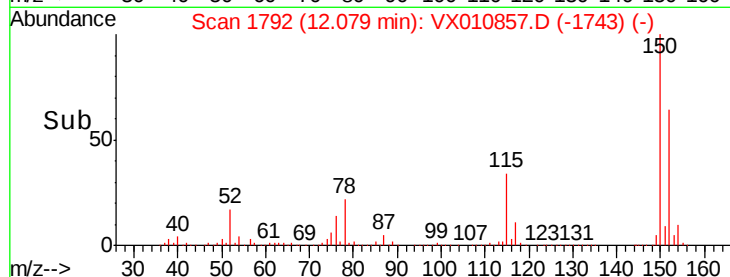
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010857.D
Acq: 12 Jul 2019 23:49

Instrument :
MSVOA_X
ClientSampled :
FL-0598

Tot Ion:152 Resp: 185142
Ion Ratio Lower Upper
152 100
115 57.0 38.6 115.7
150 155.4 0.0 347.4



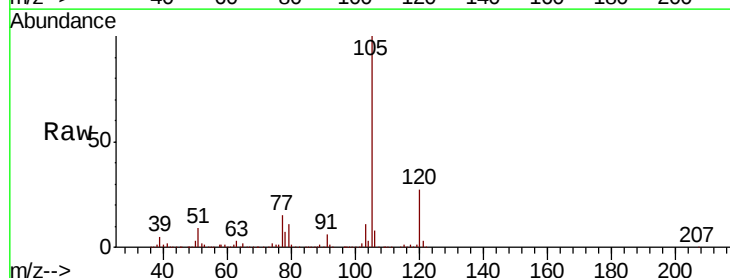
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



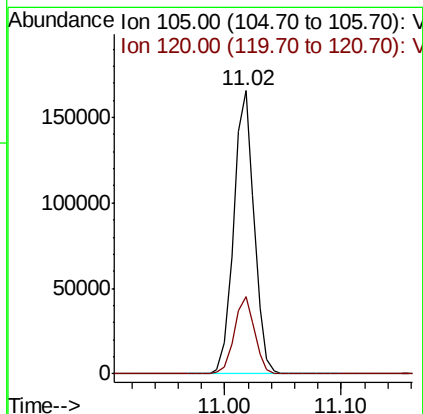
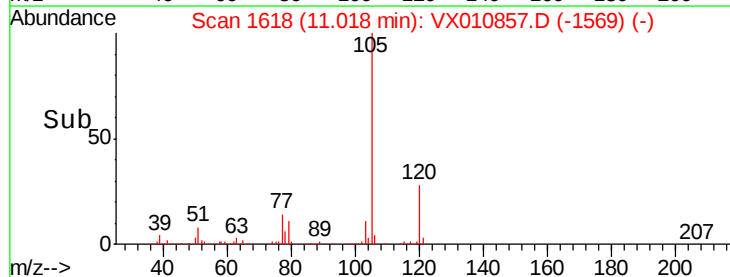
#73

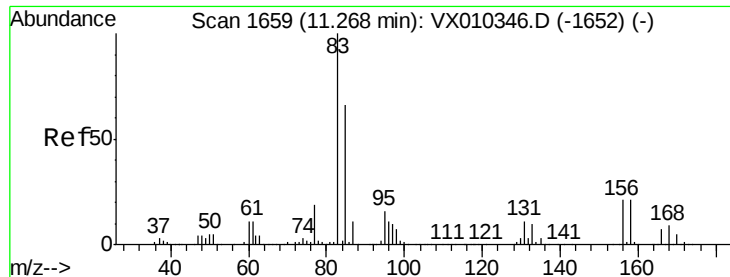
Isopropylbenzene
Concen: 16.090 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX010857.D
Acq: 12 Jul 2019 23:49

Tgt Ion:105 Resp: 201939
Ion Ratio Lower Upper
105 100
120 27.2 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: 0.283 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX010857.D

Acq: 12 Jul 2019 23:49

Instrument :

MSVOA_X

ClientSampled :

FL-0598

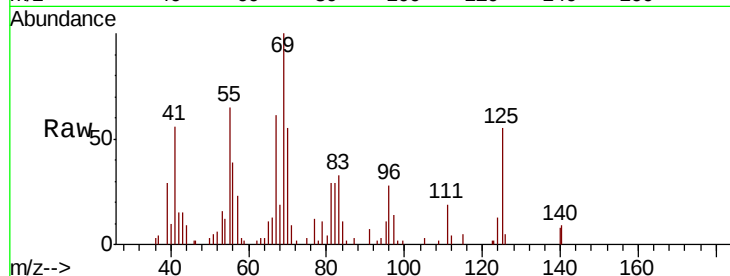
Tot Ion: 83 Resp: 1176

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

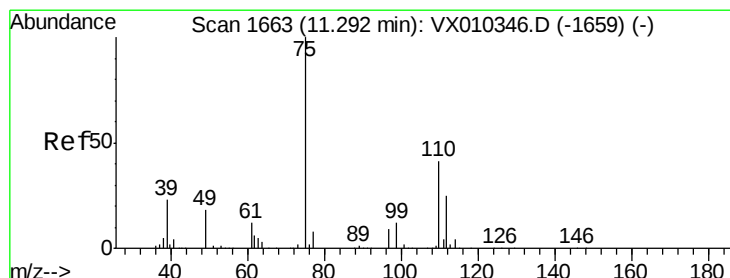
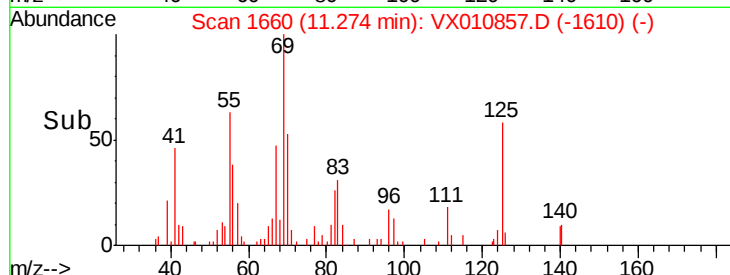
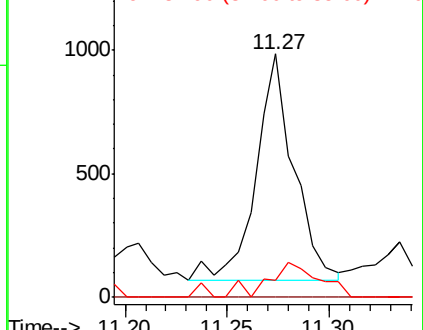
85 20.9 32.3 96.8#



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: 1.309 ug/l

RT: 11.45 min Scan# 1689

Delta R.T. 0.16 min

Lab File: VX010857.D

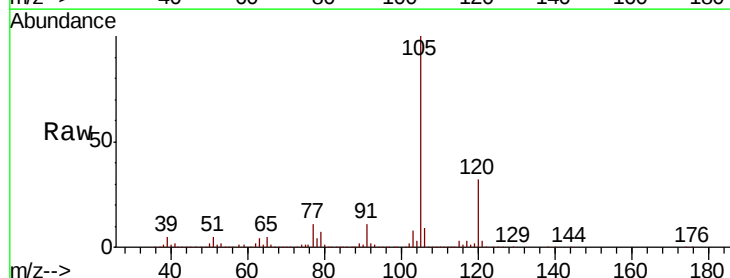
Acq: 12 Jul 2019 23:49

Tgt Ion: 75 Resp: 4416

Ion Ratio Lower Upper

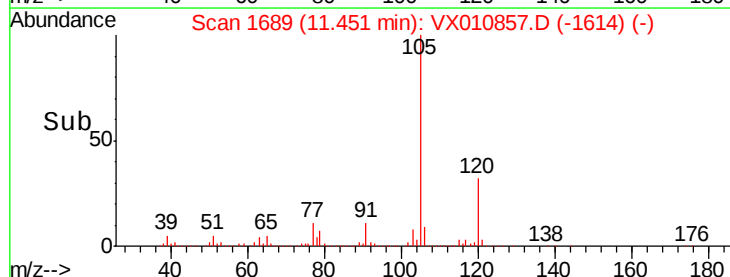
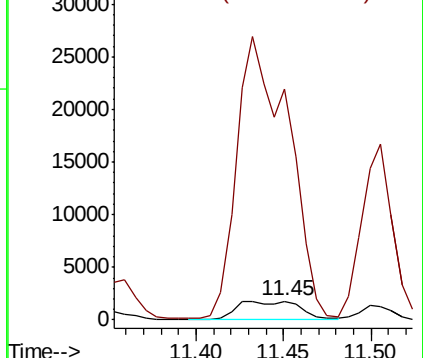
75 100

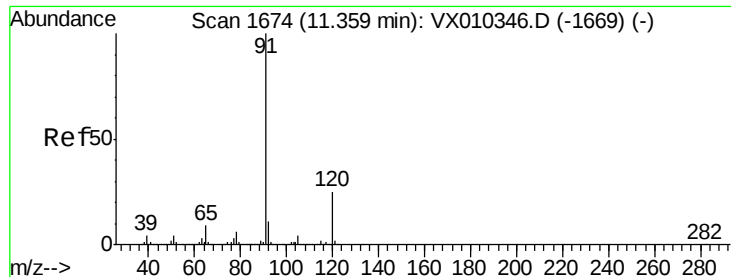
77 1247.9 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 8.648 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010857.D

Acq: 12 Jul 2019 23:49

Instrument :

MSVOA_X

ClientSampled :

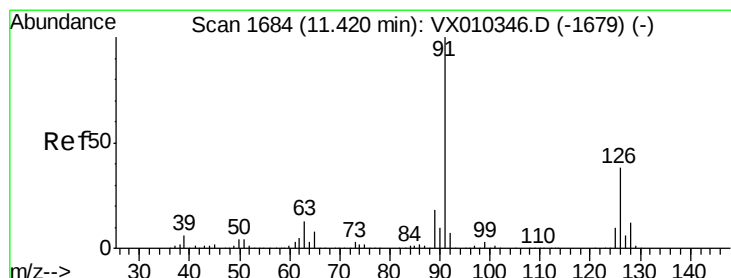
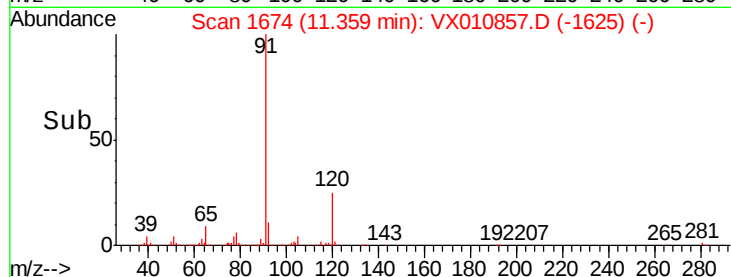
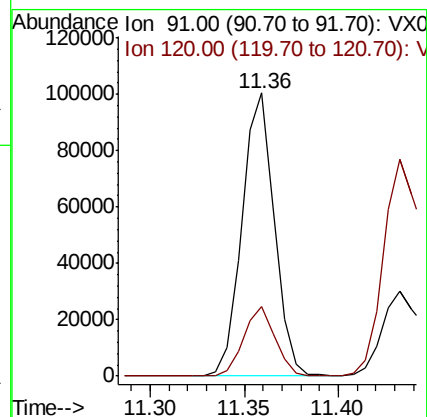
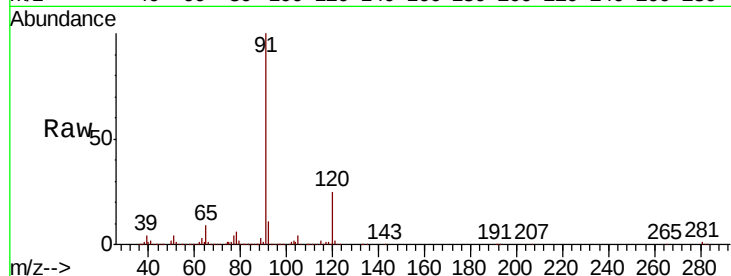
FL-0598

Tot Ion: 91 Resp: 119286

Ion Ratio Lower Upper

91 100

120 24.2 12.4 37.4



#79

2-Chlorotoluene

Concen: 7.158 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX010857.D

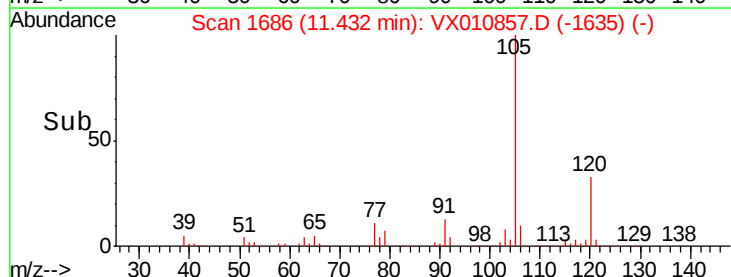
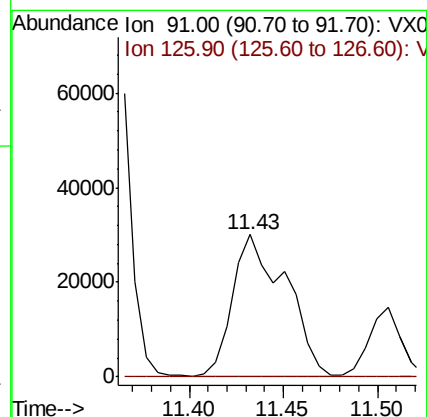
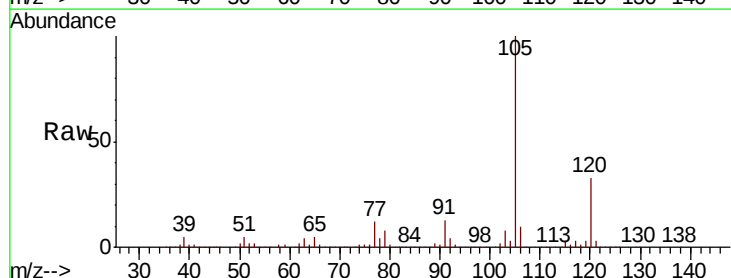
Acq: 12 Jul 2019 23:49

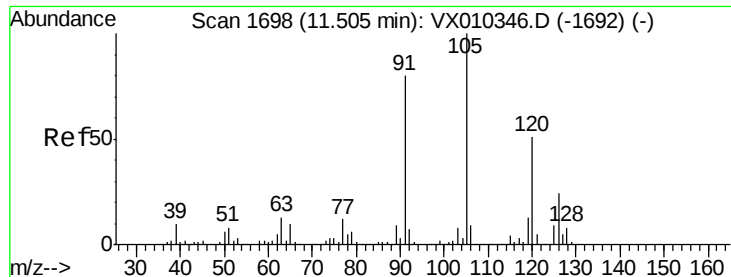
Tgt Ion: 91 Resp: 58791

Ion Ratio Lower Upper

91 100

126 0.3 18.7 56.1#





#80

1,3,5-Trimethylbenzene

Concen: 15.397 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010857.D

Acq: 12 Jul 2019 23:49

Instrument :

MSVOA_X

ClientSampleId :

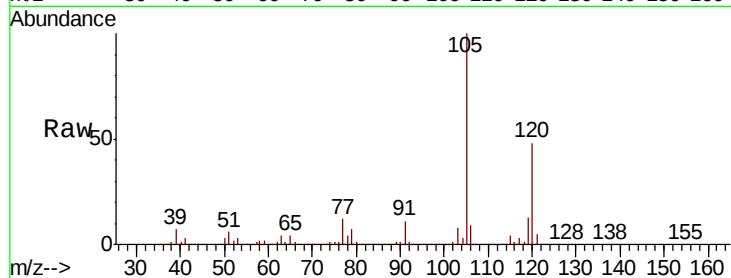
FL-0598

Tot Ion:105 Resp: 159299

Ion Ratio Lower Upper

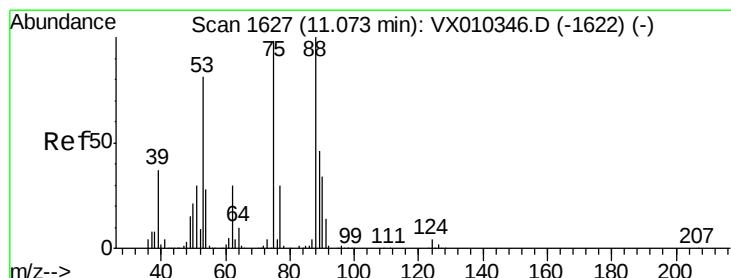
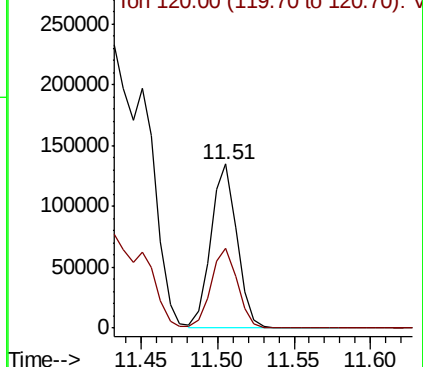
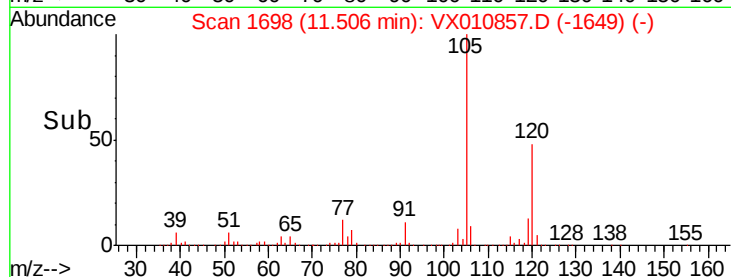
105 100

120 49.1 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: 58.599 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010857.D

Acq: 12 Jul 2019 23:49

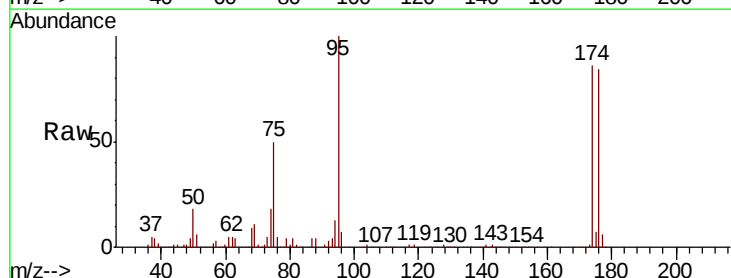
Tgt Ion: 75 Resp: 84744

Ion Ratio Lower Upper

75 100

53 0.0 66.1 99.1#

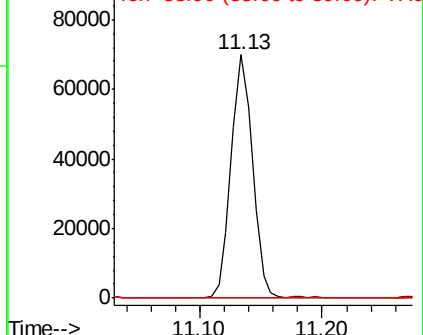
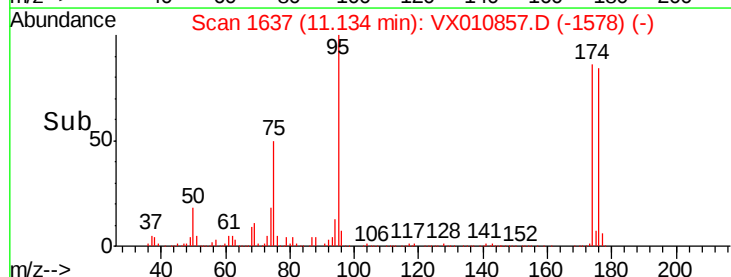
89 0.0 37.8 56.6#

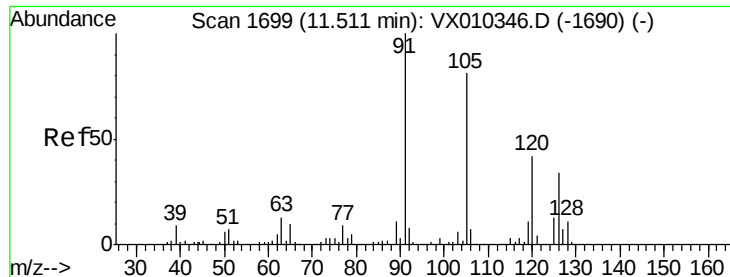


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

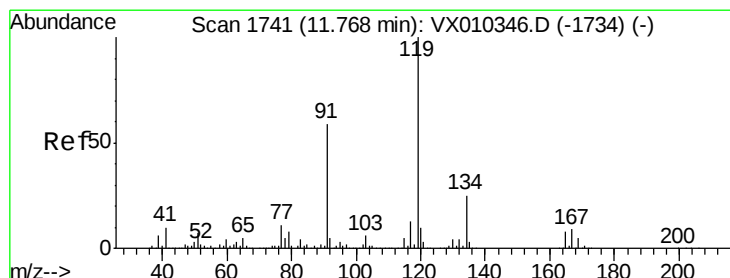
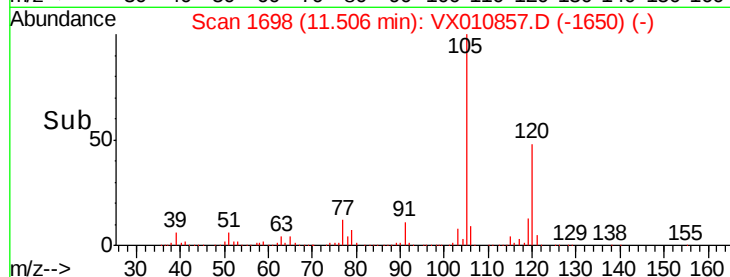
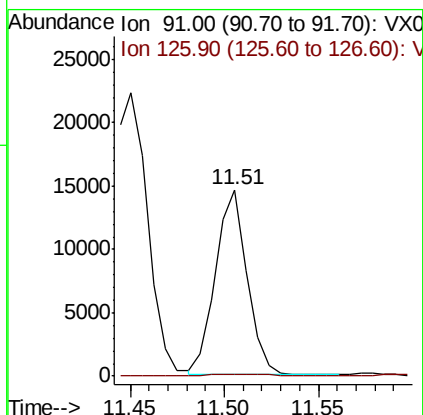
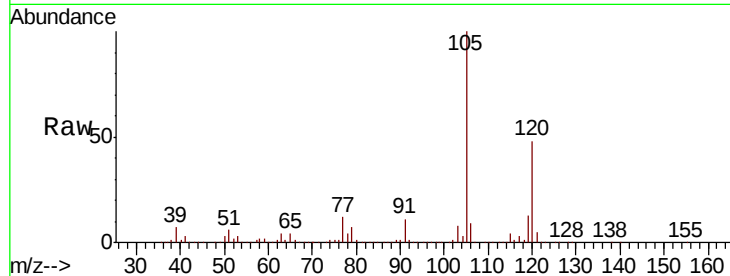




#82
4-Chlorotoluene
Concen: 1.815 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX010857.D
Acq: 12 Jul 2019 23:49

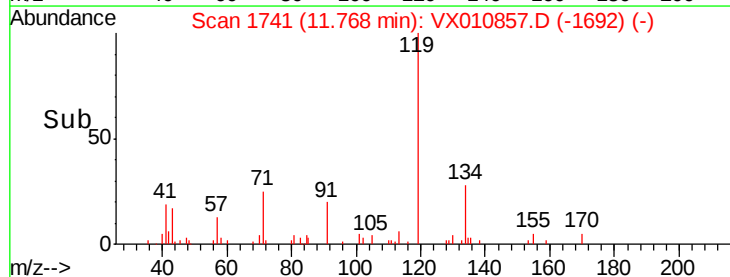
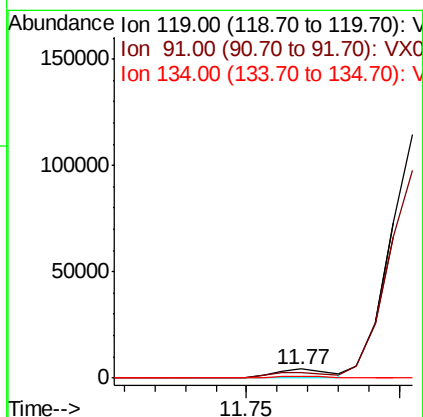
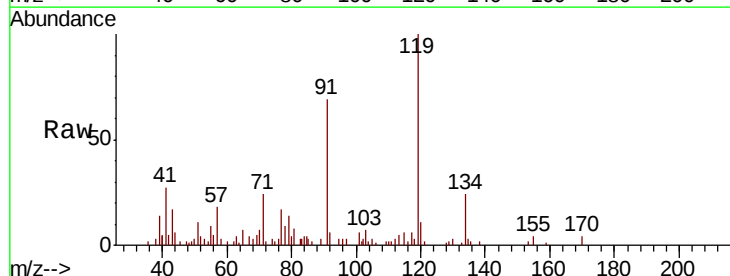
Instrument :
MSVOA_X
ClientSampled :
FL-0598

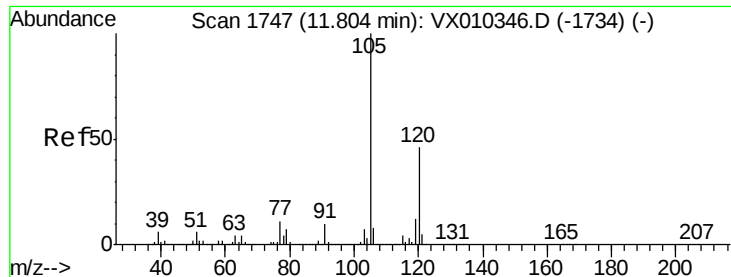
Tot Ion: 91 Resp: 16964
Ion Ratio Lower Upper
91 100
126 1.8 16.2 48.6#



#83
tert-Butylbenzene
Concen: 0.523 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010857.D
Acq: 12 Jul 2019 23:49

Tgt Ion: 119 Resp: 5429
Ion Ratio Lower Upper
119 100
91 65.8 27.6 82.7
134 23.7 11.8 35.4





#84

1,2,4-Trimethylbenzene

Concen: 101.282 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010857.D

Acq: 12 Jul 2019 23:49

Instrument :

MSVOA_X

ClientSampleId :

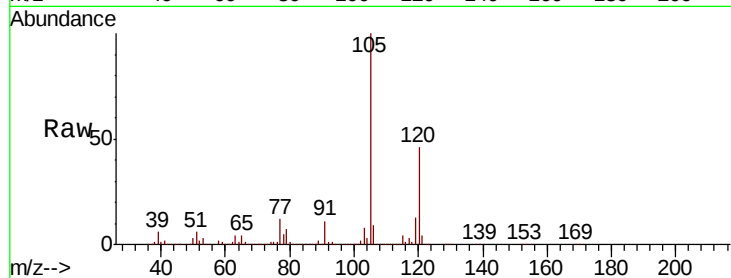
FL-0598

Tot Ion:105 Resp: 1052797

Ion Ratio Lower Upper

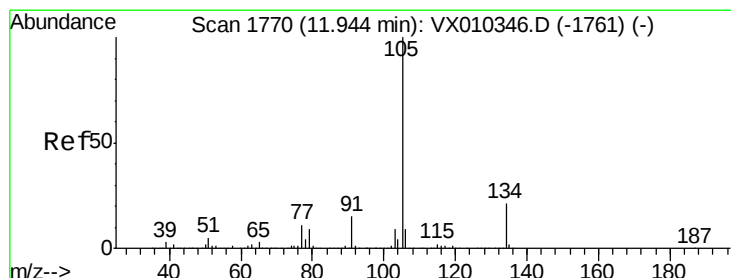
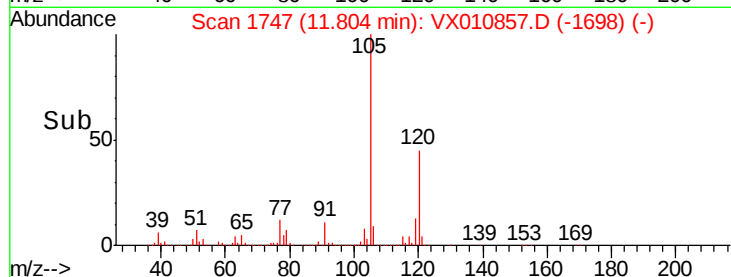
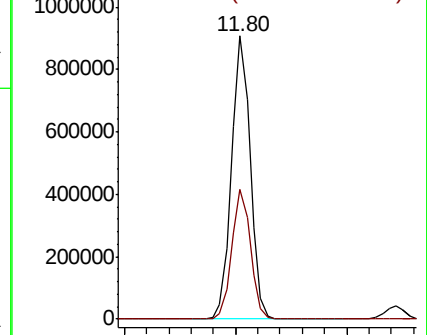
105 100

120 45.7 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 4.429 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010857.D

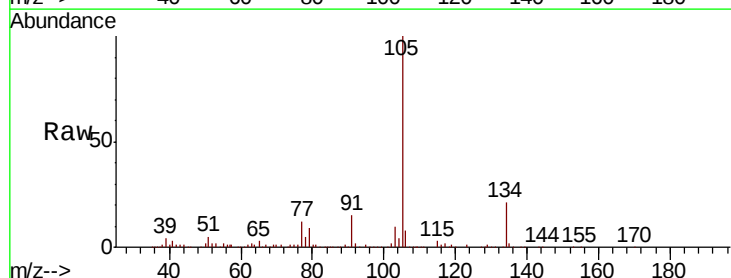
Acq: 12 Jul 2019 23:49

Tgt Ion:105 Resp: 54000

Ion Ratio Lower Upper

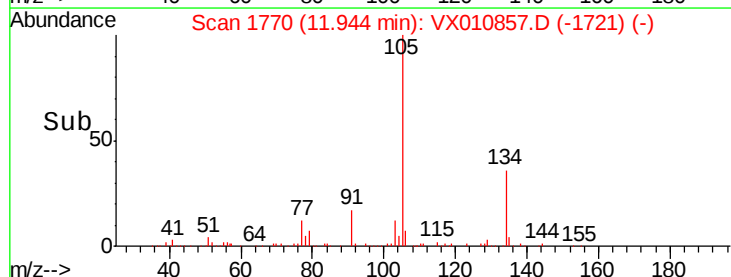
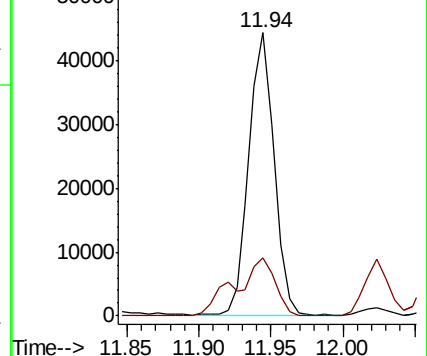
105 100

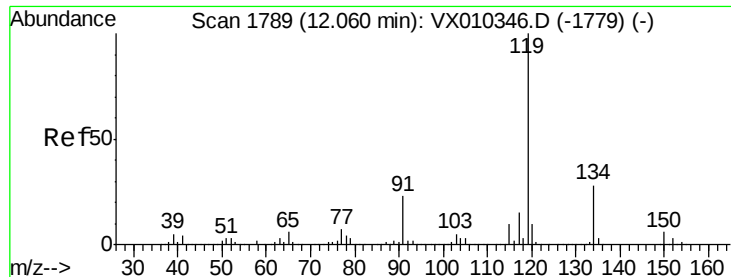
134 21.4 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

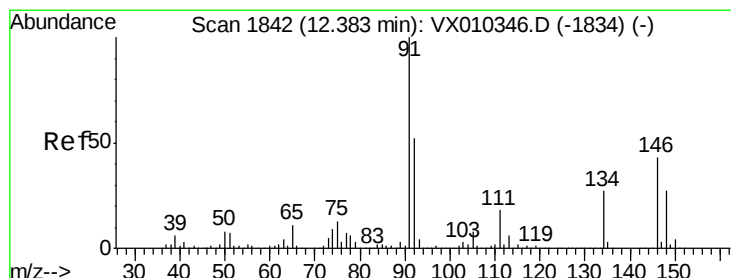
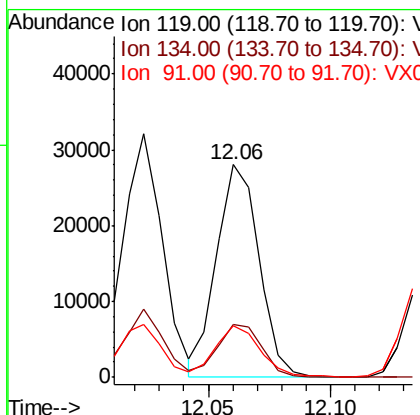
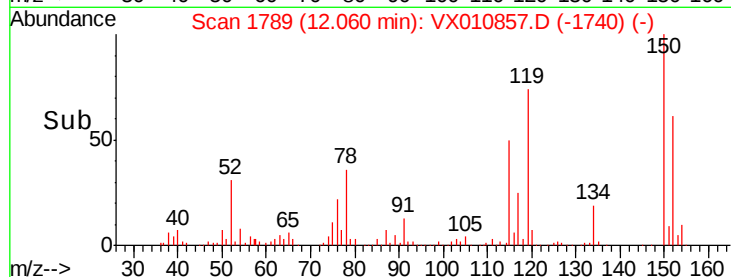
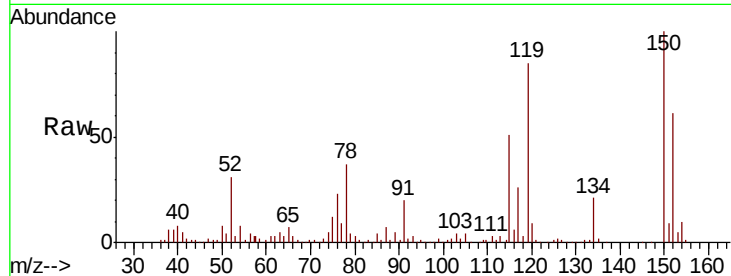




#86
p-Isopropyltoluene
Concen: 2.978 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX010857.D
Acq: 12 Jul 2019 23:49

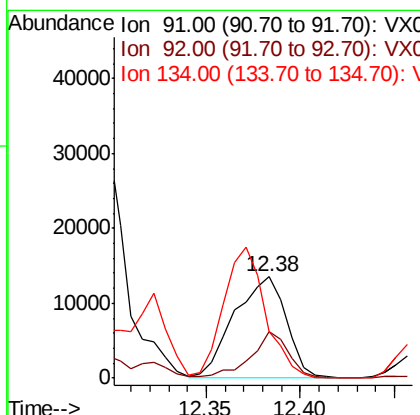
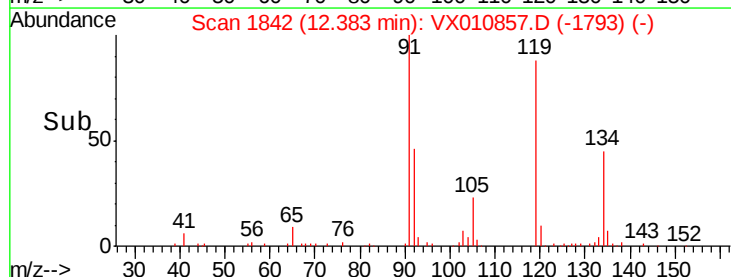
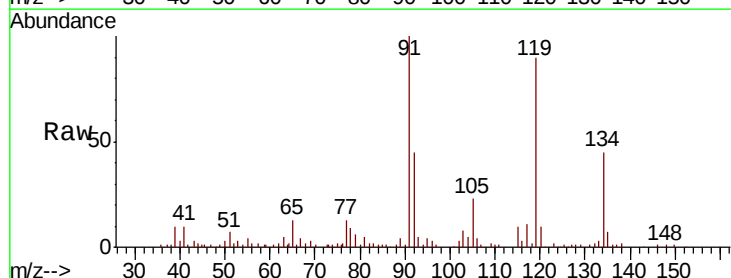
Instrument :
MSVOA_X
ClientSampled :
FL-0598

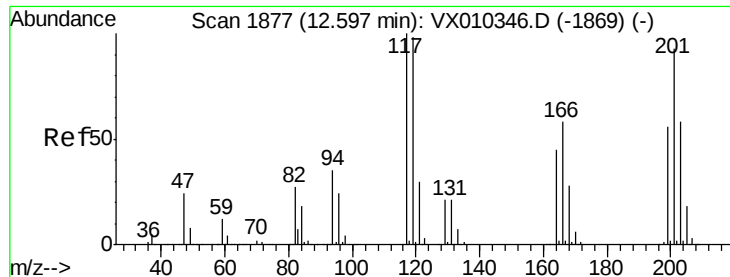
Tot Ion:119 Resp: 33583
Ion Ratio Lower Upper
119 100
134 26.5 13.7 41.1
91 24.8 11.3 33.8



#89
n-Butylbenzene
Concen: 2.668 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010857.D
Acq: 12 Jul 2019 23:49

Tgt Ion: 91 Resp: 25571
Ion Ratio Lower Upper
91 100
92 33.8 26.2 78.5
134 105.3 14.1 42.4#





#90

Hexachloroethane

Concen: 5.643 ug/l

RT: 12.61 min Scan# 1879

Delta R.T. 0.01 min

Lab File: VX010857.D

Acq: 12 Jul 2019 23:49

Instrument :

MSVOA_X

ClientSampleId :

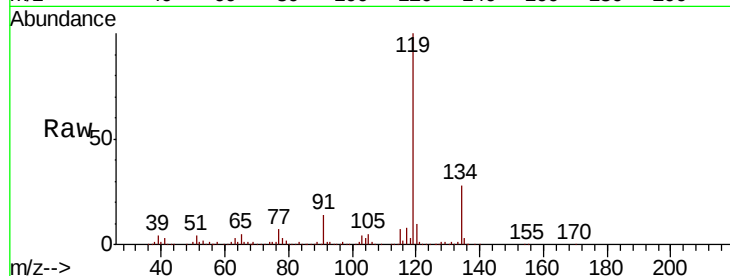
FL-0598

Tot Ion:117 Resp: 11005

Ion Ratio Lower Upper

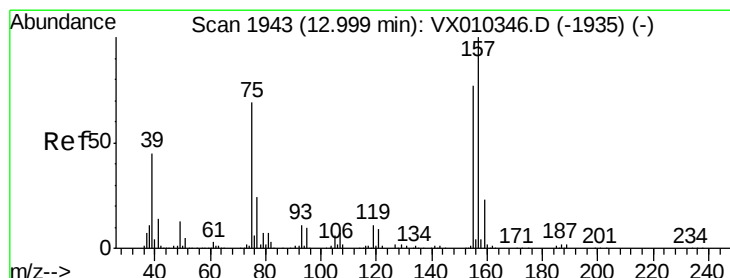
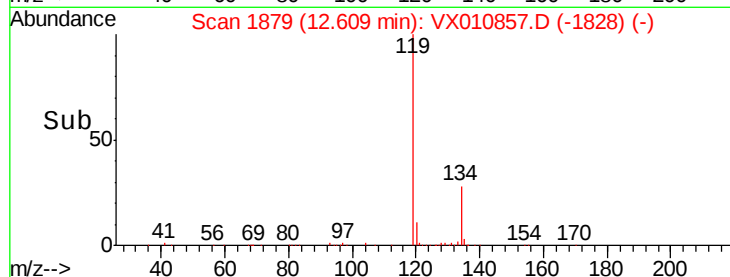
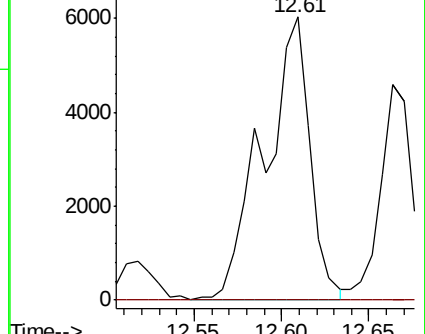
117 100

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: 0.706 ug/l

RT: 13.02 min Scan# 1946

Delta R.T. 0.02 min

Lab File: VX010857.D

Acq: 12 Jul 2019 23:49

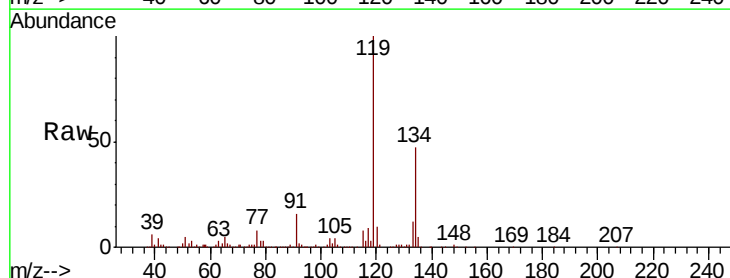
Tgt Ion: 75 Resp: 633

Ion Ratio Lower Upper

75 100

155 12.3 54.4 163.1#

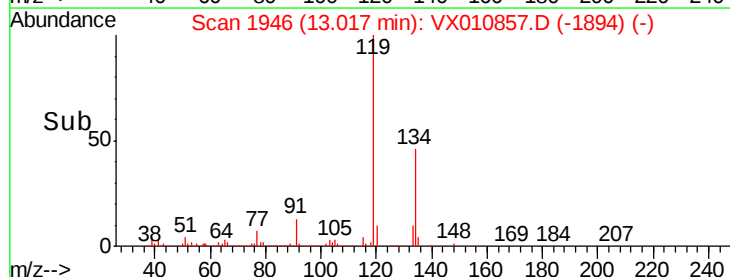
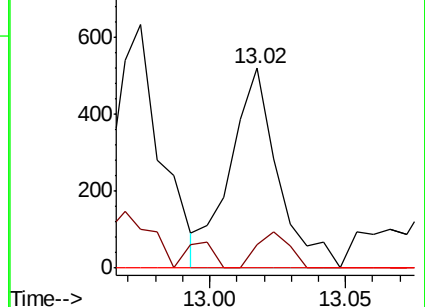
157 0.0 69.5 208.3#

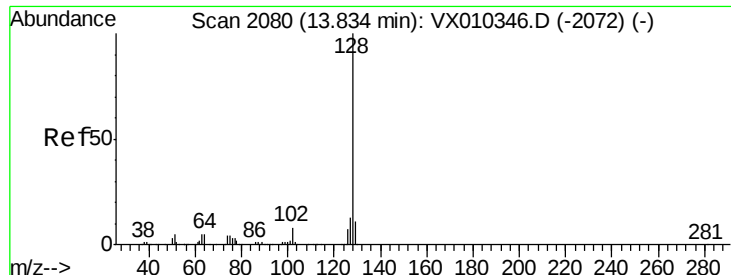


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95
Naphthalene
Concen: 46.355 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010857.D
Acq: 12 Jul 2019 23:49

Instrument :
MSVOA_X
ClientSampleId :
FL-0598

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	11.3	8.9	13.3

