

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072019\
 Data File : VX011006.D
 Acq On : 19 Jul 2019 16:38
 Operator : JC/SP
 Sample : K3884-21
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0622

Quant Time: Jul 20 01:02:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 06:57:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	243068	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	381334	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	355110	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	194933	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	135057	52.23	ug/l	0.00
Spiked Amount						
			Recovery	=	104.46%	
35) Dibromofluoromethane	5.50	113	117218	48.43	ug/l	0.00
Spiked Amount						
			Recovery	=	96.86%	
50) Toluene-d8	8.71	98	463369	51.04	ug/l	0.00
Spiked Amount						
			Recovery	=	102.08%	
62) 4-Bromofluorobenzene	11.13	95	182044	54.56	ug/l	0.00
Spiked Amount						
			Recovery	=	109.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	38	0.561	ug/l #	43
3) Chloromethane	1.33	50	1055	0.472	ug/l	99
5) Bromomethane	1.64	94	765	0.595	ug/l #	40
6) Chloroethane	1.62	64	480	0.331	ug/l #	41
11) Tert butyl alcohol	3.02	59	3228	5.360	ug/l #	73
13) Acrolein	2.26	56	73	0.210	ug/l #	1
14) Allyl chloride	2.84	41	7601	2.417	ug/l #	62
15) Acrylonitrile	3.18	53	2798	2.299	ug/l #	27
16) Acetone	2.45	43	5146	4.406	ug/l	99
17) Carbon Disulfide	2.58	76	1142	0.206	ug/l #	85
18) Methyl Acetate	2.85	43	18314	6.887	ug/l #	48
20) Methylene Chloride	2.86	84	568	0.229	ug/l #	49
25) 2-Butanone	4.68	43	6088	3.631	ug/l	97
31) Cyclohexane	5.58	56	290916	82.858	ug/l	99
36) 1,1-Dichloropropene	5.67	75	16147	5.155	ug/l #	49
37) Ethyl Acetate	4.68	43	6105	1.903	ug/l #	69
38) Carbon Tetrachloride	5.66	117	23405	7.171	ug/l #	17
39) Methylcyclohexane	7.46	83	635178	156.371	ug/l	98
43) Isopropyl Acetate	6.46	43	6377	1.209	ug/l #	61
45) 1,2-Dichloropropane	7.47	63	6658	2.726	ug/l #	1
47) Bromodichloromethane	7.86	83	1338	0.431	ug/l #	49
48) Methyl methacrylate	7.73	41	31471	12.249	ug/l #	55
49) 1,4-Dioxane	7.97	88	22	0.306	ug/l #	28
51) 4-Methyl-2-Pentanone	8.66	43	5470	1.600	ug/l #	42
52) Toluene	8.79	92	42741	6.781	ug/l	99
55) 1,1,2-Trichloroethane	9.16	97	35185	13.557	ug/l #	19
56) Ethyl methacrylate	9.16	69	7418	1.954	ug/l #	1
67) Ethyl Benzene	10.26	91	5356934	431.499	ug/l	98
68) m/p-Xylenes	10.37	106	4730566	993.363	ug/l	95
69) o-Xylene	10.70	106	3434188	738.909	ug/l	98
70) Styrene	10.70	104	169941	21.935	ug/l #	1
73) Isopropylbenzene	11.02	105	721387	54.768	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	1979	0.459	ug/l #	55
76) 1,2,3-Trichloropropane	11.36	75	6225	1.770	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

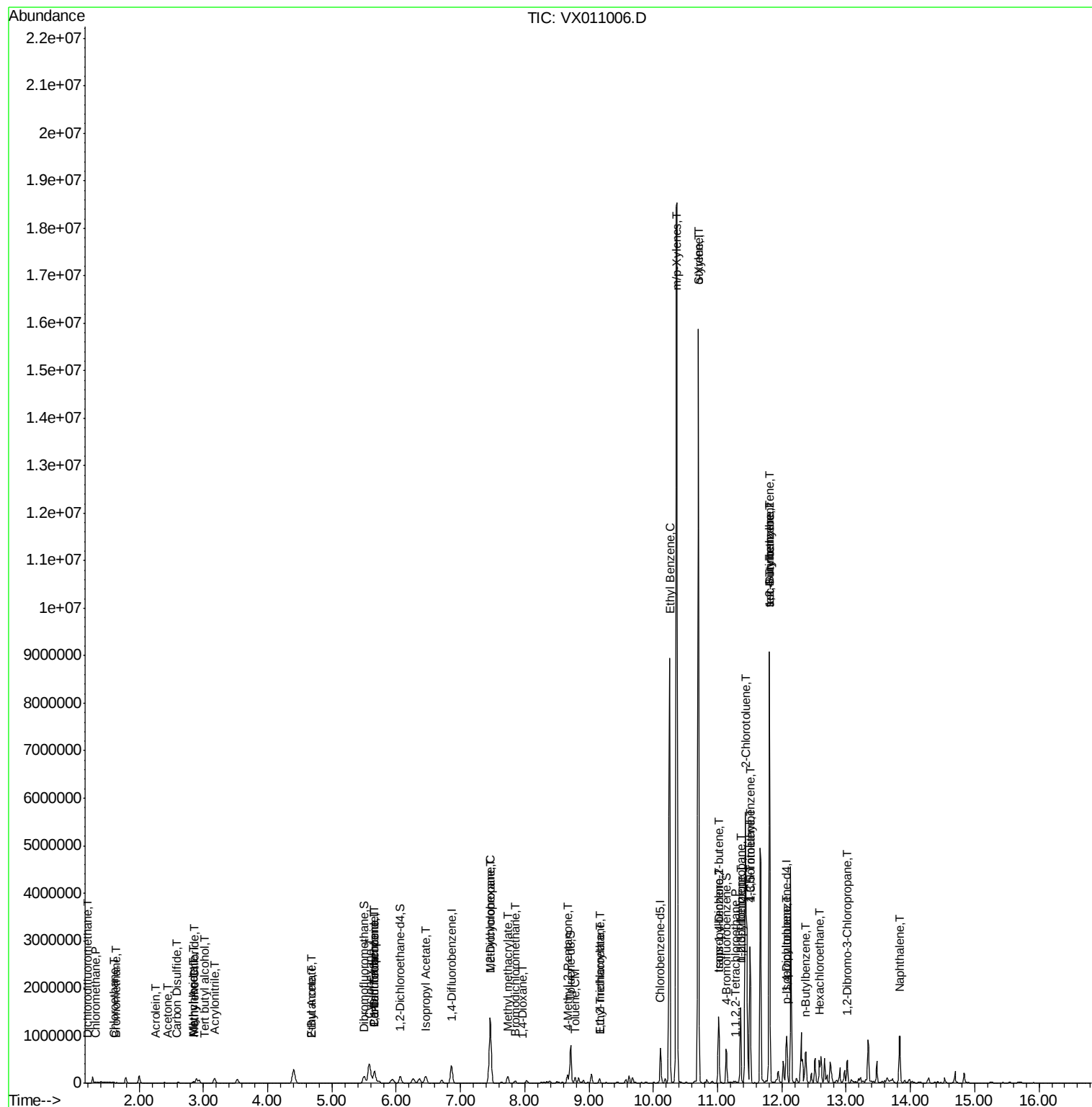
78) n-propylbenzene	11.36	91	966033	66.378	uq/l	99
79) 2-Chlorotoluene	11.43	91	522531	59.768	uq/l #	39
80) 1,3,5-Trimethylbenzene	11.51	105	1227472	111.526	uq/l	100
81) trans-1,4-Dichloro-2-buten	11.02	75	8740	9.774	uq/l #	69
82) 4-Chlorotoluene	11.51	91	131982	12.971	uq/l #	43
83) tert-Butylbenzene	11.80	119	514665	47.606	uq/l #	58
84) 1,2,4-Trimethylbenzene	11.80	105	4083803	368.137	uq/l	100
85) sec-Butylbenzene	11.80	105	4083603	322.369	uq/l #	55
86) p-Isopropyltoluene	12.06	119	123006	10.503	uq/l	99
89) n-Butylbenzene	12.38	91	95882	9.570	uq/l #	22
90) Hexachloroethane	12.58	117	20539	11.119	uq/l #	6
92) 1,2-Dibromo-3-Chloropropan	13.02	75	1763	1.957	uq/l #	1
95) Naphthalene	13.83	128	651672	52.111	uq/l	100

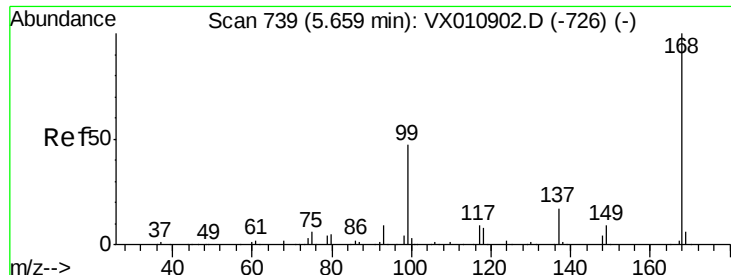
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX011006.D

Acq: 19 Jul 2019 16:38

Instrument :

MSVOA_X

ClientSampled :

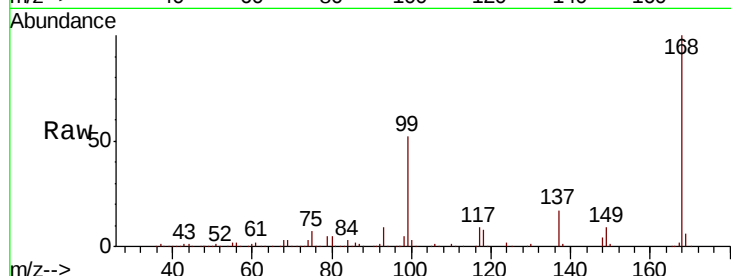
FL-0622

Tot Ion:168 Resp: 243068

Ion Ratio Lower Upper

168 100

99 51.5 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

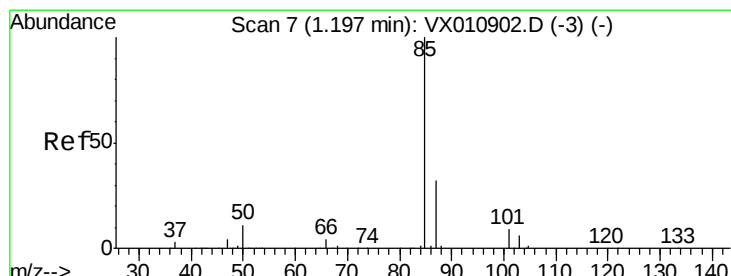
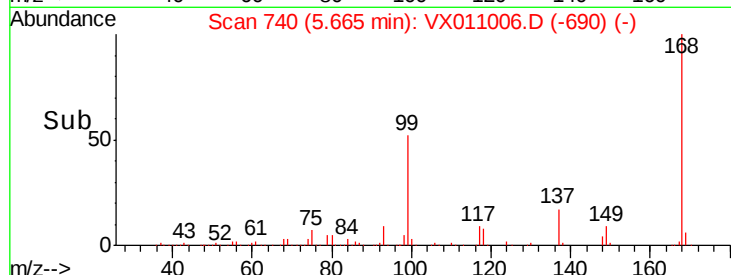
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.561 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX011006.D

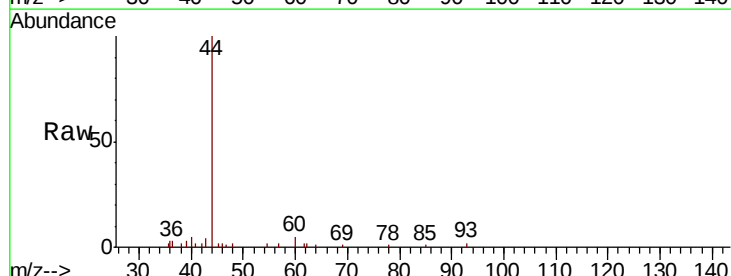
Acq: 19 Jul 2019 16:38

Tgt Ion: 85 Resp: 38

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60

50

40

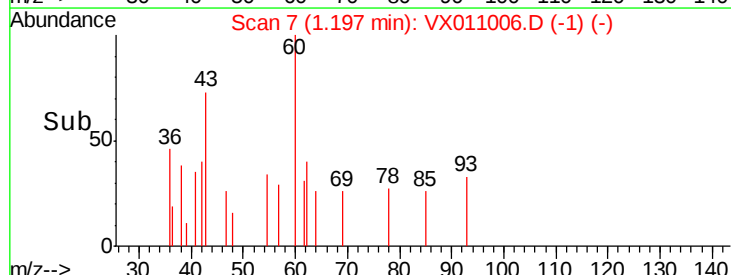
30

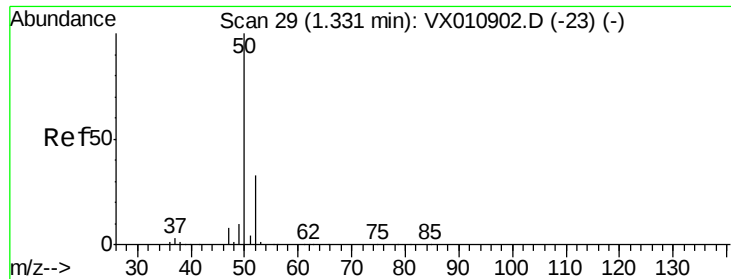
20

10

0

Time--> 1.18 1.20 1.22





#3

Chloromethane

Concen: 0.472 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX011006.D

Acq: 19 Jul 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

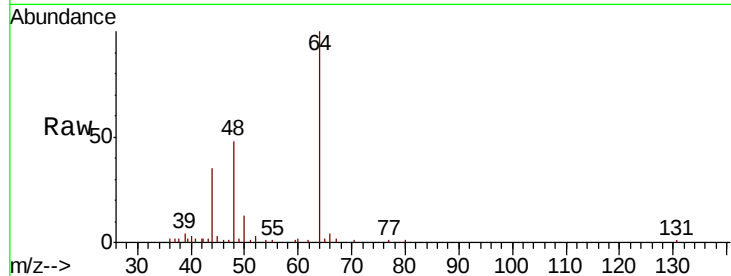
FL-0622

Tot Ion: 50 Resp: 1055

Ion Ratio Lower Upper

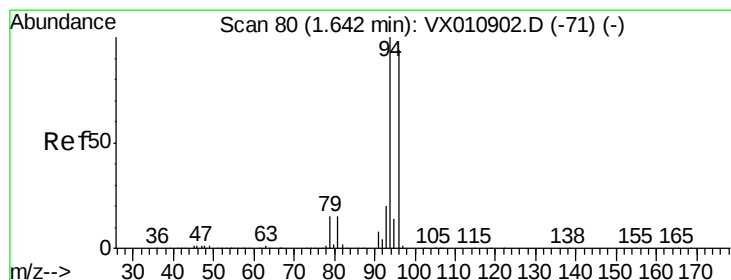
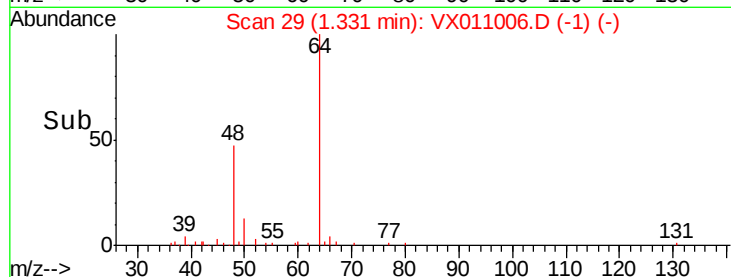
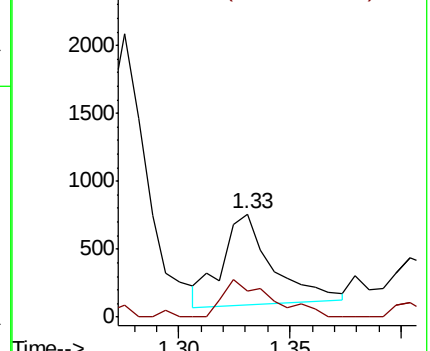
50 100

52 33.4 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: 0.595 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX011006.D

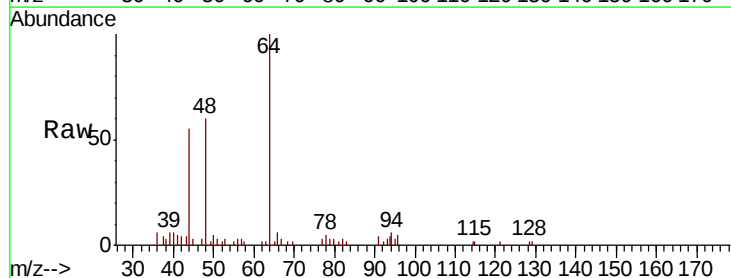
Acq: 19 Jul 2019 16:38

Tgt Ion: 94 Resp: 765

Ion Ratio Lower Upper

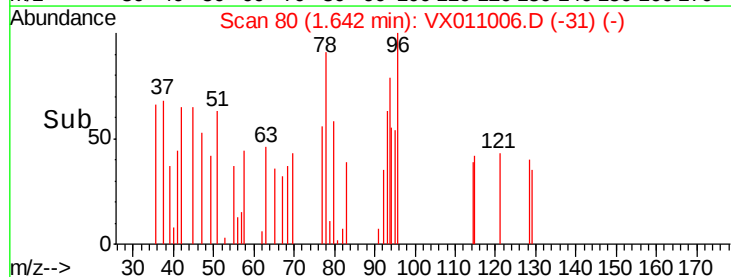
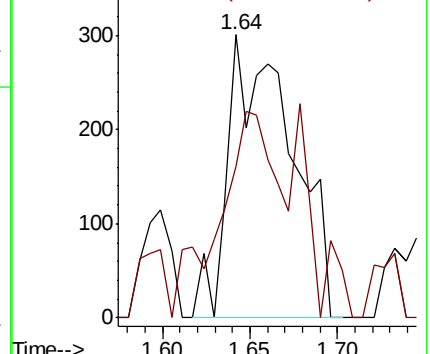
94 100

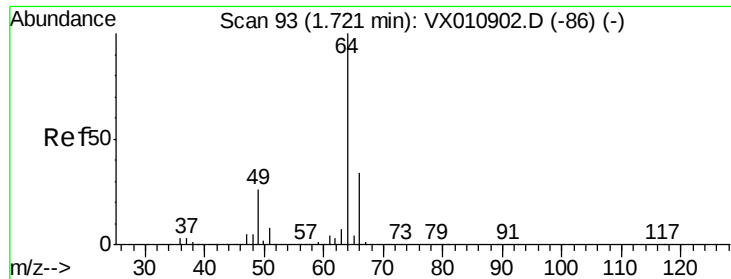
96 36.5 75.6 113.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.331 ug/l

RT: 1.62 min Scan# 77

Delta R.T. -0.10 min

Lab File: VX011006.D

Acq: 19 Jul 2019 16:38

Instrument :

MSVOA_X

ClientSampled :

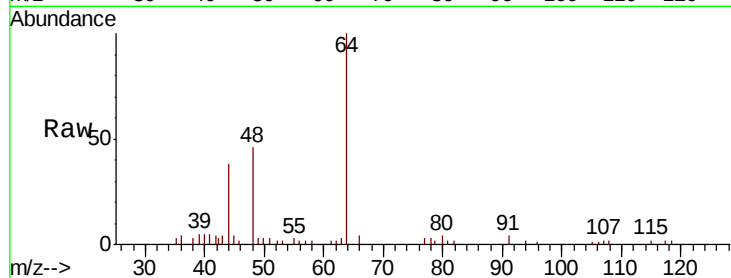
FL-0622

Tot Ion: 64 Resp: 480

Ion Ratio Lower Upper

64 100

66 0.0 27.0 40.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.62

4000

3000

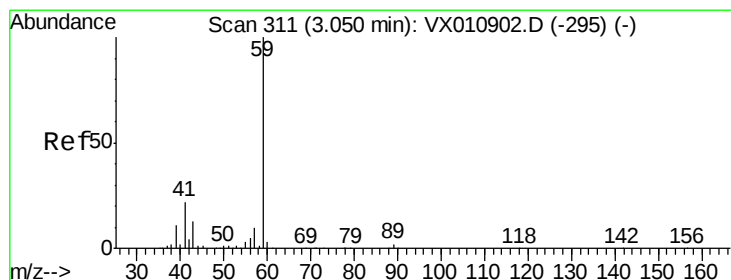
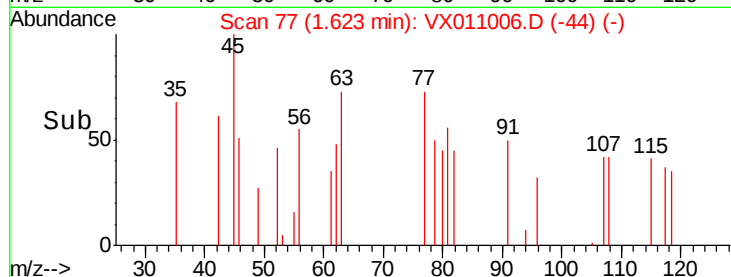
2000

1000

0

Time-->

1.60 1.62 1.64



#11

Tert butyl alcohol

Concen: 5.360 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX011006.D

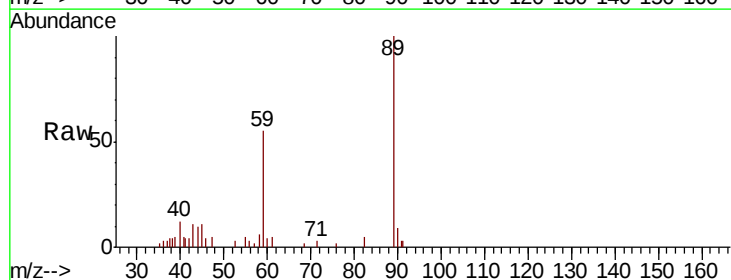
Acq: 19 Jul 2019 16:38

Tgt Ion: 59 Resp: 3228

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3000

2500

2000

1500

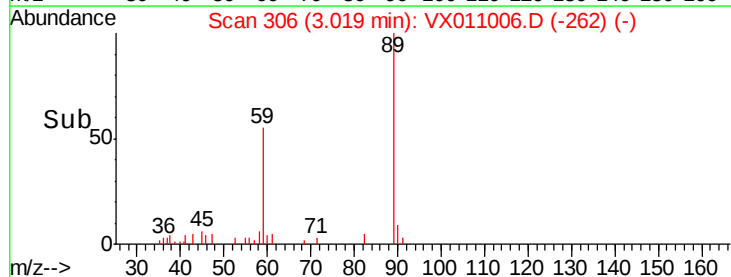
1000

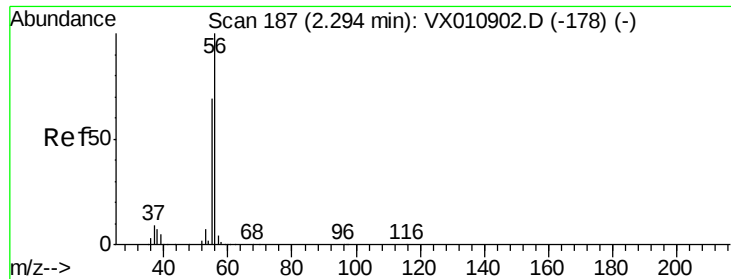
500

0

Time-->

2.95 3.00 3.05 3.10





#13

Acrolein

Concen: 0.210 ug/l

RT: 2.26 min Scan# 181

Delta R.T. -0.04 min

Lab File: VX011006.D

Acq: 19 Jul 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

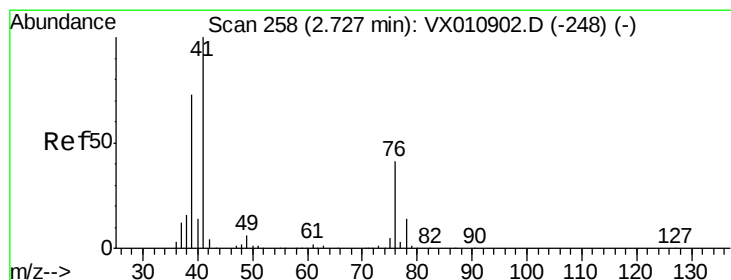
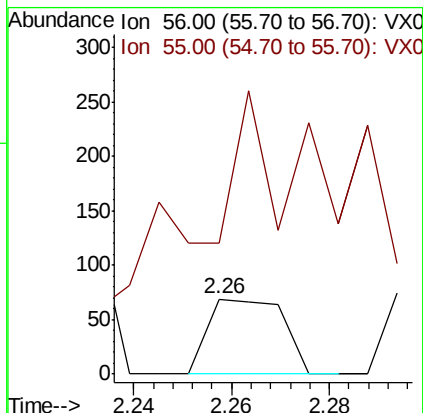
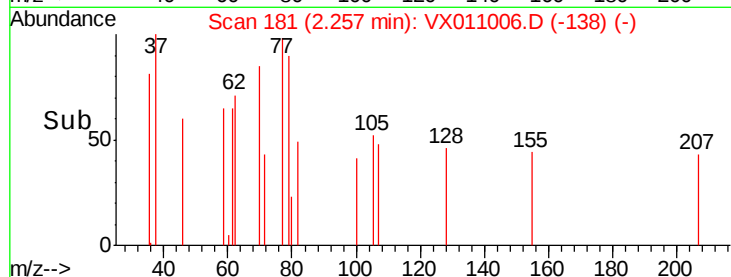
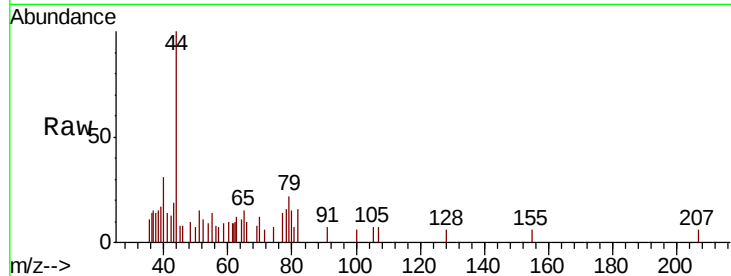
FL-0622

Tot Ion: 56 Resp: 73

Ion Ratio Lower Upper

56 100

55 243.8 55.9 83.9#



#14

Allyl chloride

Concen: 2.417 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.12 min

Lab File: VX011006.D

Acq: 19 Jul 2019 16:38

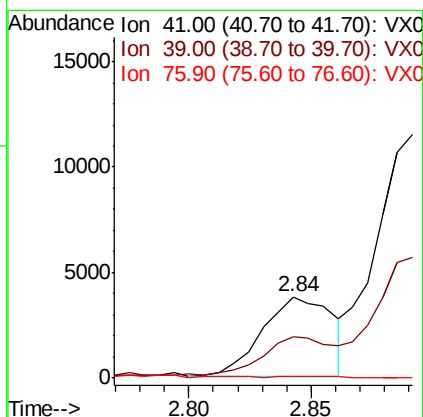
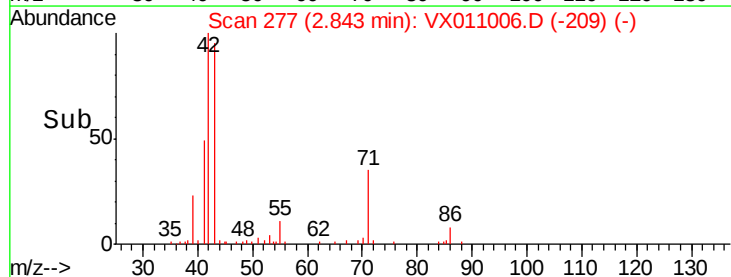
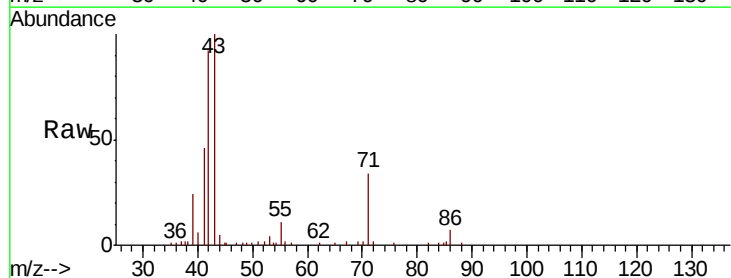
Tgt Ion: 41 Resp: 7601

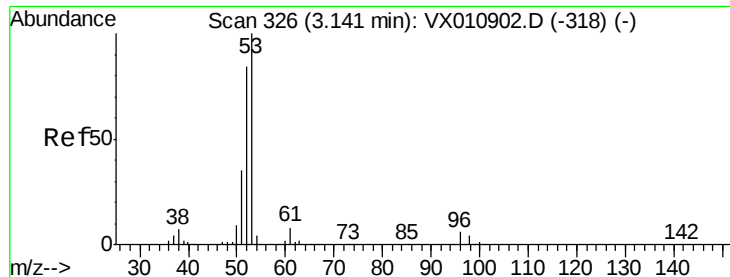
Ion Ratio Lower Upper

41 100

39 46.5 53.6 80.4#

76 1.9 29.7 44.5#





#15

Acrylonitrile

Concen: 2.299 ug/l

RT: 3.18 min Scan# 332

Delta R.T. 0.04 min

Lab File: VX011006.D

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ClientSampled :

FL-0622

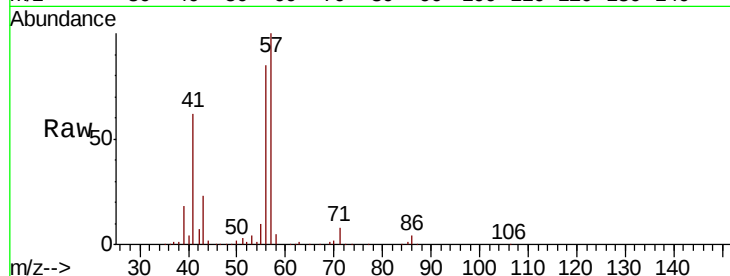
Tot Ion: 53 Resp: 2798

Ion Ratio Lower Upper

53 100

52 12.8 66.5 99.7#

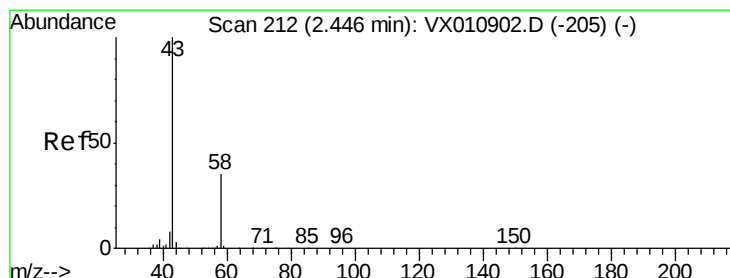
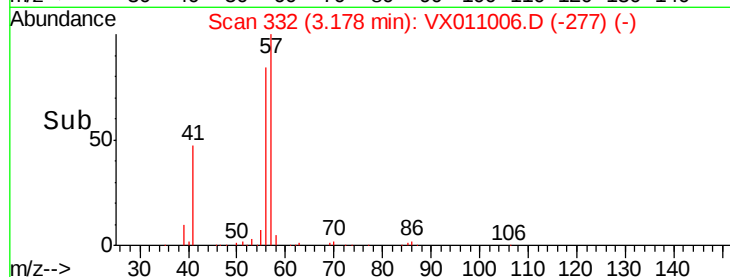
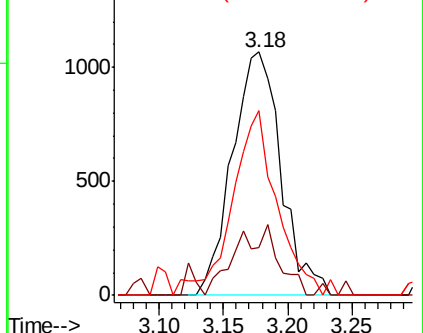
51 70.6 28.2 42.4#



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: 4.406 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX011006.D

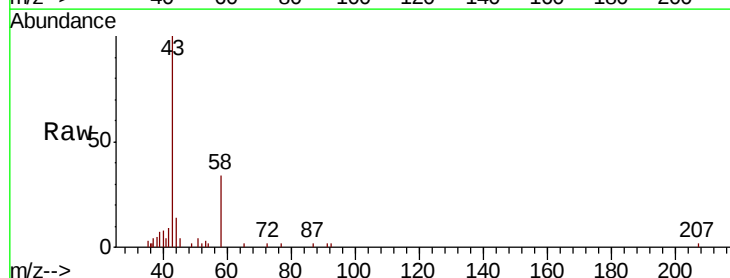
Acq: 19 Jul 2019 16:38

Tgt Ion: 43 Resp: 5146

Ion Ratio Lower Upper

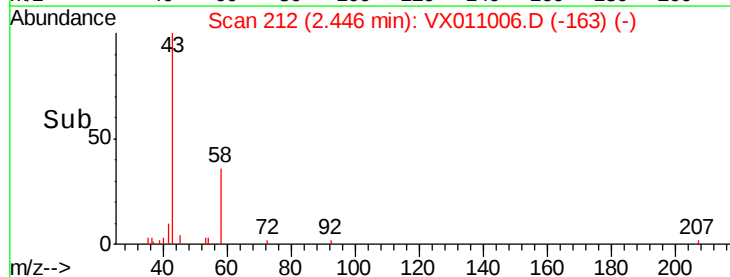
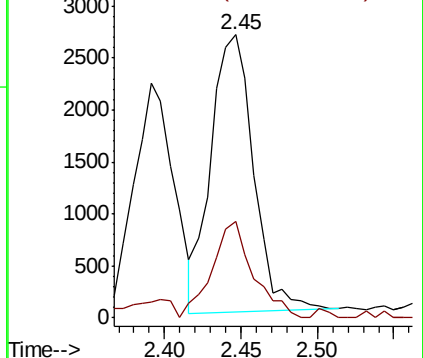
43 100

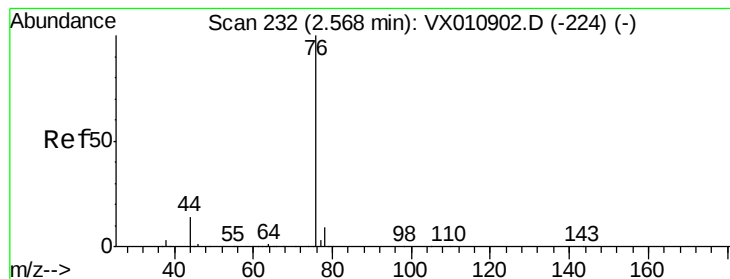
58 35.4 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.206 ug/l

RT: 2.58 min Scan# 234

Delta R.T. 0.01 min

Lab File: VX011006.D

Acq: 19 Jul 2019 16:38

Instrument :

MSVOA_X

ClientSampled :

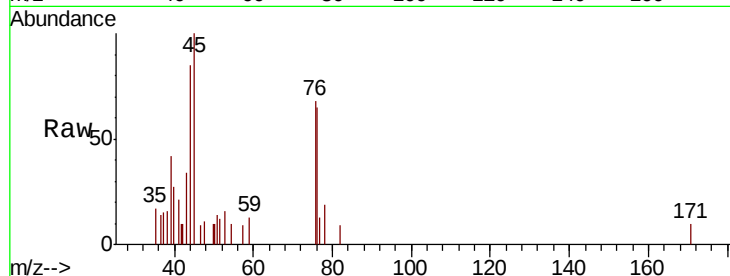
FL-0622

Tot Ion: 76 Resp: 1142

Ion Ratio Lower Upper

76 100

78 14.6 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.58

800

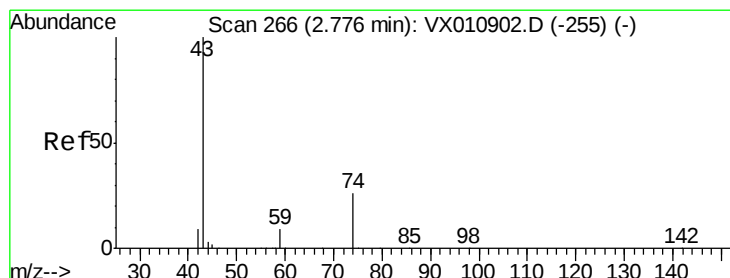
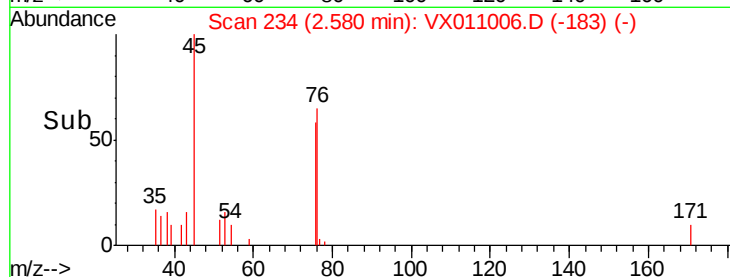
600

400

200

0

Time--> 2.50 2.55 2.60



#18

Methyl Acetate

Concen: 6.887 ug/l

RT: 2.85 min Scan# 278

Delta R.T. 0.07 min

Lab File: VX011006.D

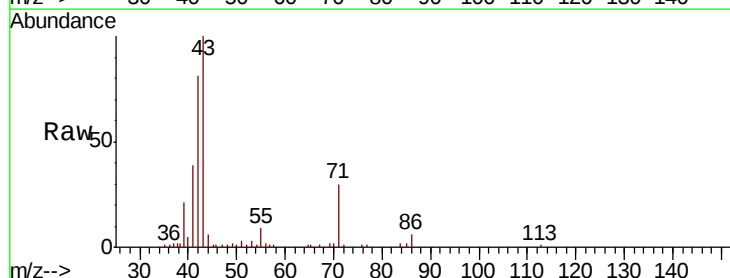
Acq: 19 Jul 2019 16:38

Tgt Ion: 43 Resp: 18314

Ion Ratio Lower Upper

43 100

74 0.0 21.5 32.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

30000

25000

20000

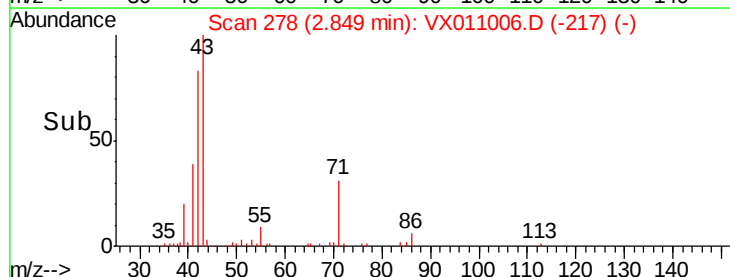
15000

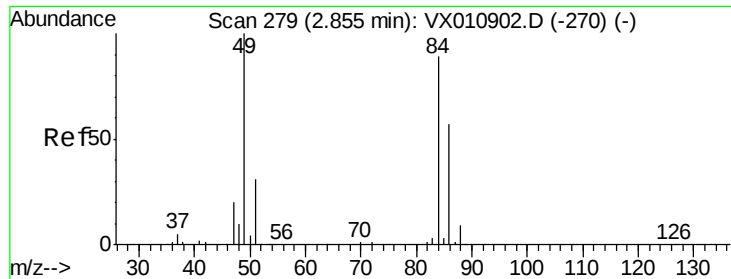
10000

5000

0

Time--> 2.80 2.85

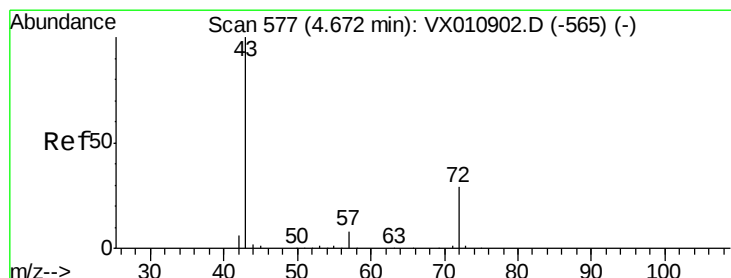
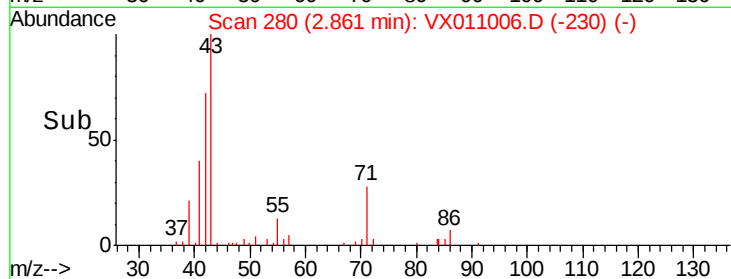
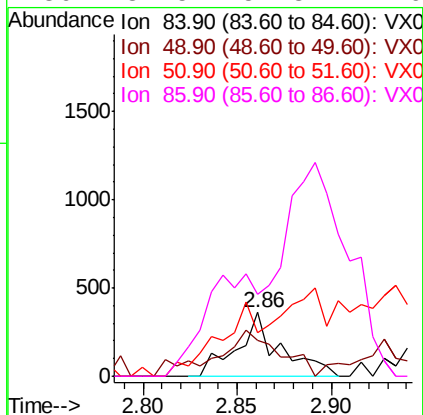
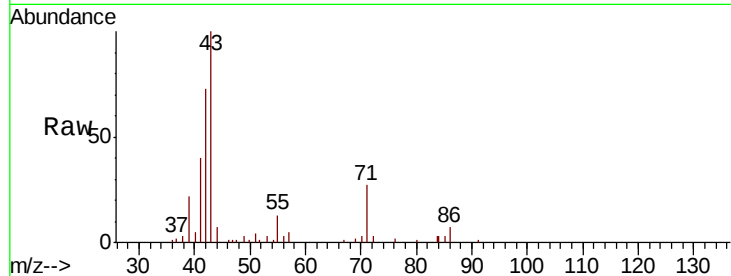




#20
Methvlene Chloride
Concen: 0.229 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX011006.D
Acq: 19 Jul 2019 16:38

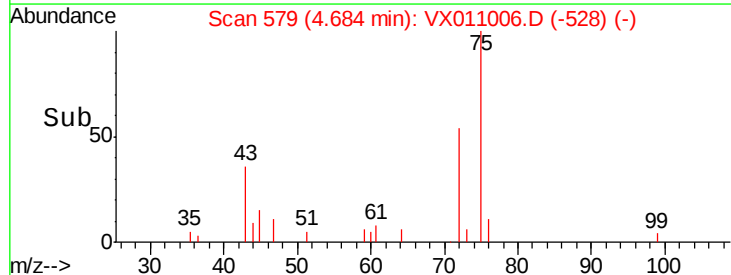
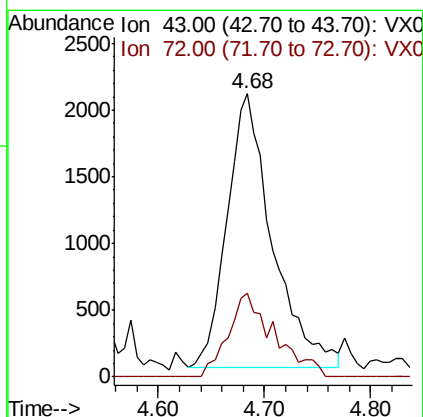
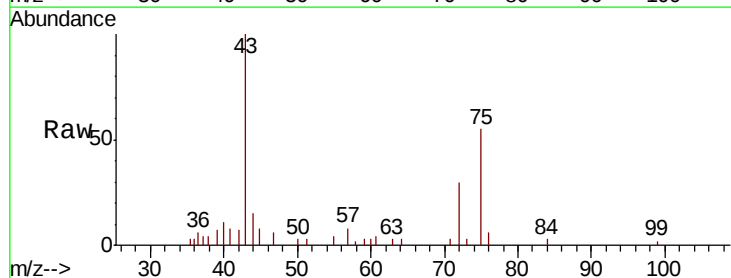
Instrument :
MSVOA_X
ClientSampleId :
FL-0622

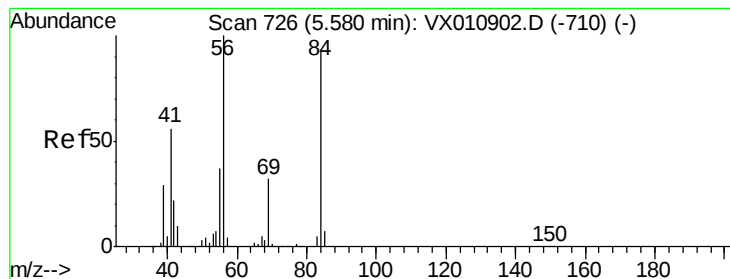
Tot Ion: 84 Resp: 568
Ion Ratio Lower Upper
84 100
49 34.4 89.9 134.9#
51 53.1 27.8 41.6#
86 82.5 51.8 77.6#



#25
2-Butanone
Concen: 3.631 ug/l
RT: 4.68 min Scan# 579
Delta R.T. 0.01 min
Lab File: VX011006.D
Acq: 19 Jul 2019 16:38

Tgt Ion: 43 Resp: 6088
Ion Ratio Lower Upper
43 100
72 30.6 23.0 34.6





#31

Cyclohexane

Concen: 82.858 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX011006.D

Acq: 19 Jul 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

FL-0622

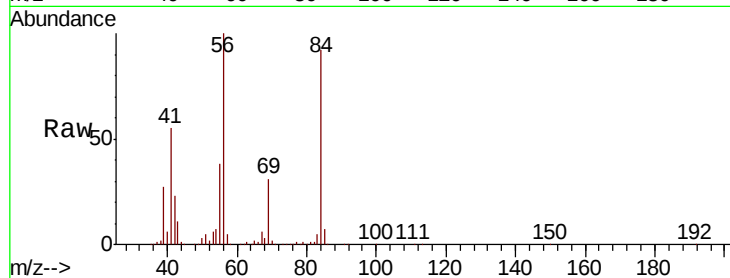
Tot Ion: 56 Resp: 290916

Ion Ratio Lower Upper

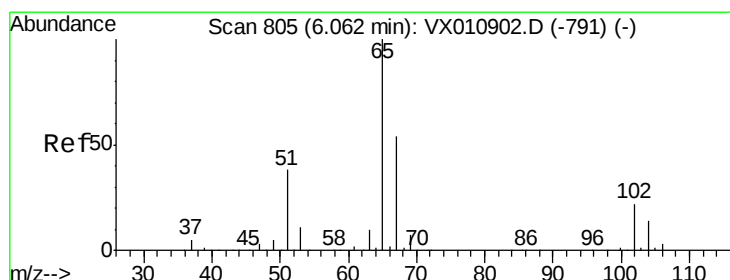
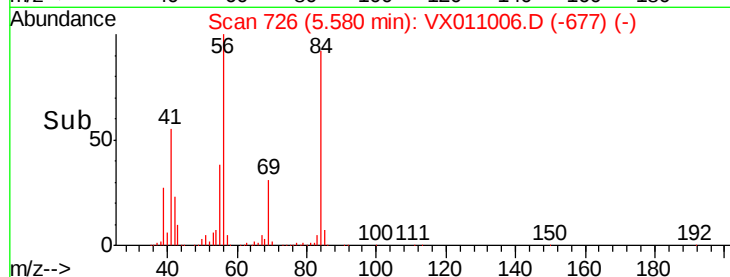
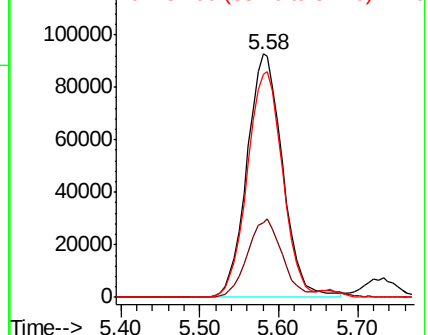
56 100

69 30.8 25.8 38.8

84 91.8 73.8 110.6



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: 52.229 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX011006.D

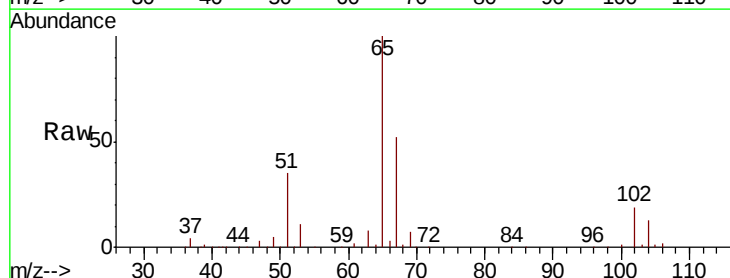
Acq: 19 Jul 2019 16:38

Tgt Ion: 65 Resp: 135057

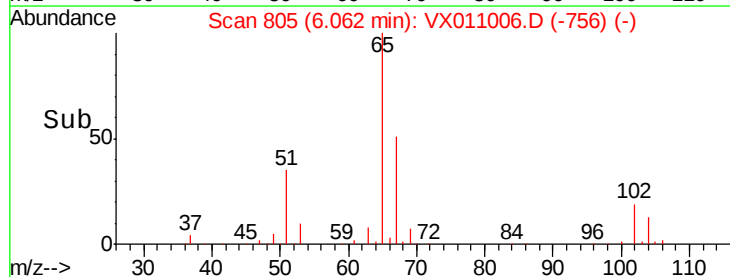
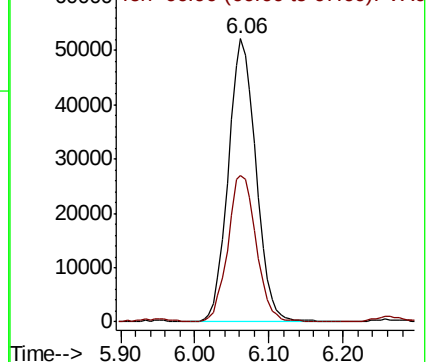
Ion Ratio Lower Upper

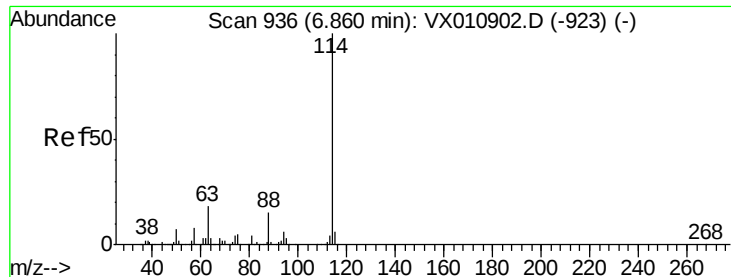
65 100

67 53.2 0.0 107.8



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX011006.D

Acq: 19 Jul 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

FL-0622

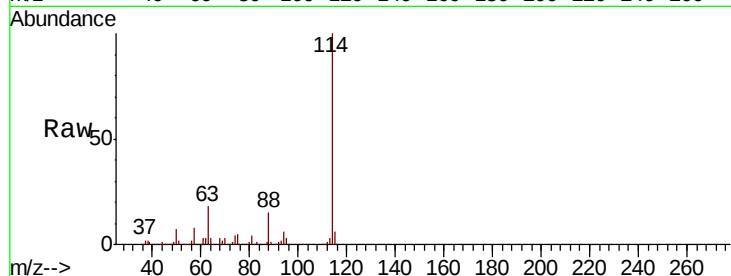
Tot Ion:114 Resp: 381334

Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.6

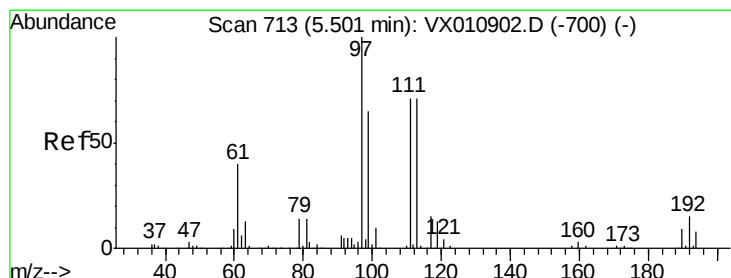
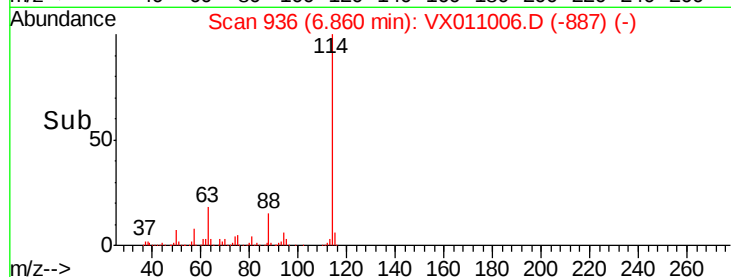
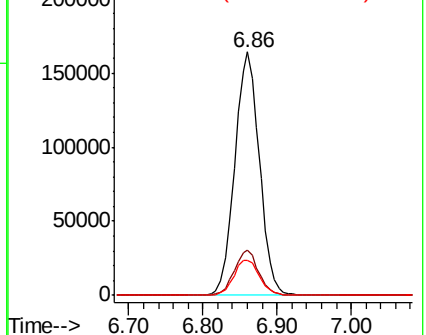
88 14.6 0.0 29.8



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: 48.429 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX011006.D

Acq: 19 Jul 2019 16:38

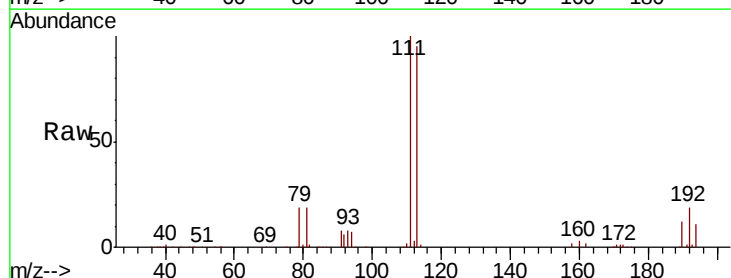
Tgt Ion:113 Resp: 117218

Ion Ratio Lower Upper

113 100

111 104.0 82.3 123.5

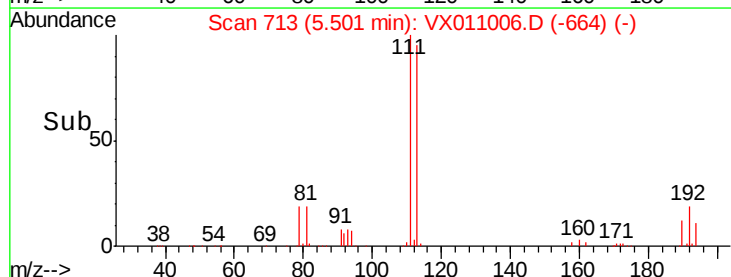
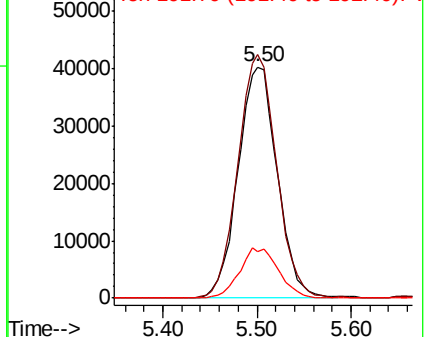
192 21.6 17.4 26.2

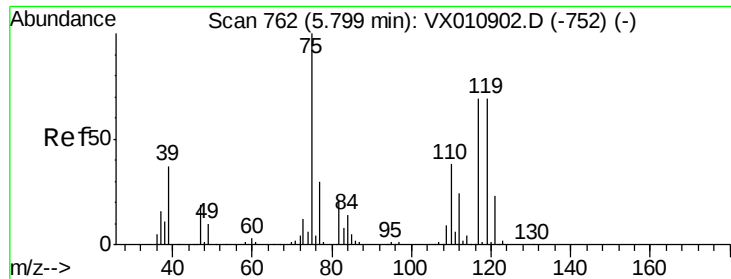


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.155 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX011006.D

Acq: 19 Jul 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

FL-0622

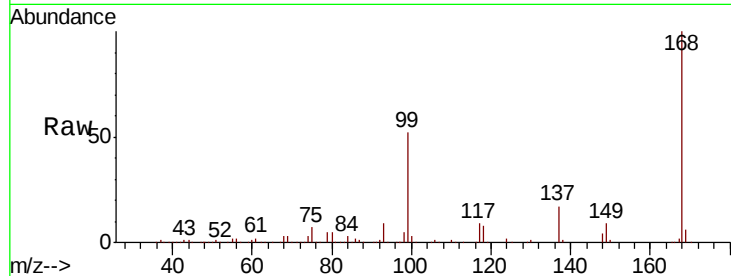
Tot Ion: 75 Resp: 16147

Ion Ratio Lower Upper

75 100

110 10.8 19.9 59.7#

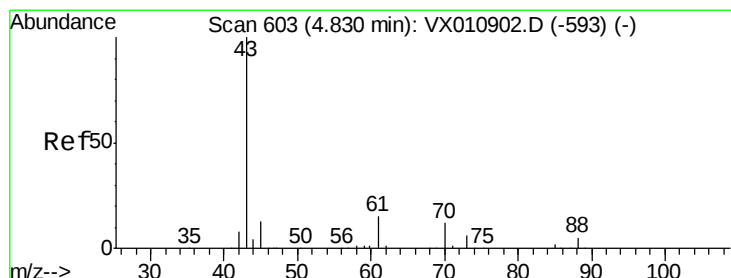
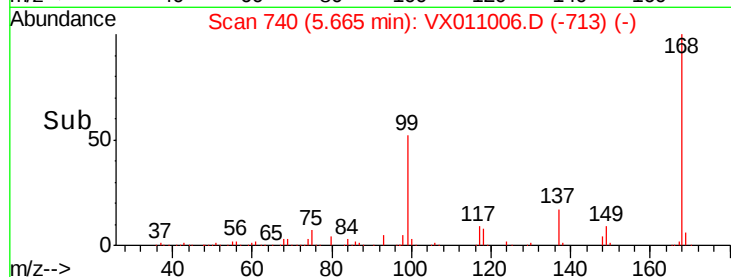
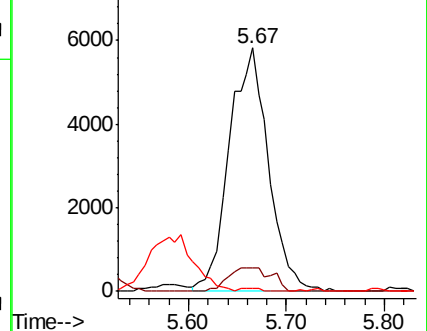
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 1.903 ug/l

RT: 4.68 min Scan# 579

Delta R.T. -0.15 min

Lab File: VX011006.D

Acq: 19 Jul 2019 16:38

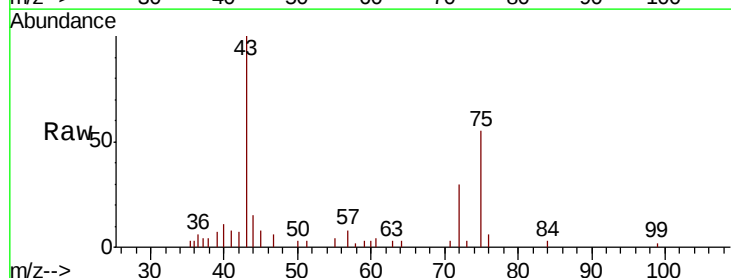
Tgt Ion: 43 Resp: 6105

Ion Ratio Lower Upper

43 100

61 1.3 11.6 17.4#

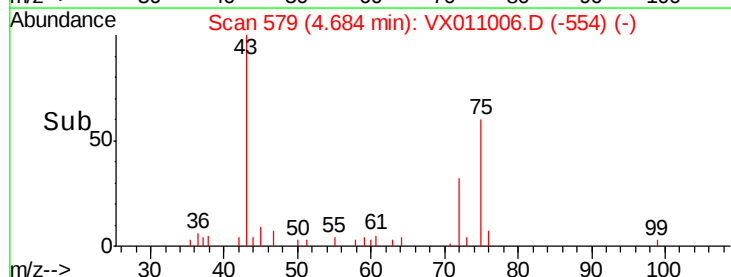
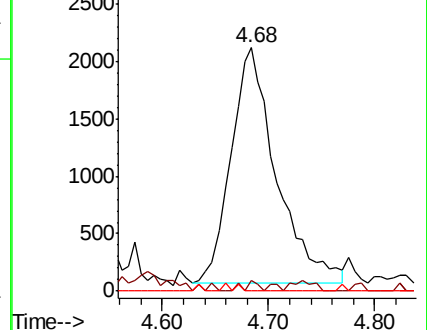
70 0.0 9.1 13.7#

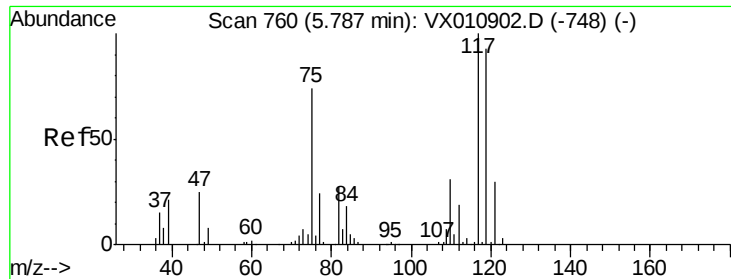


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 7.171 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX011006.D

Acq: 19 Jul 2019 16:38

Instrument :

MSVOA_X

ClientSampled :

FL-0622

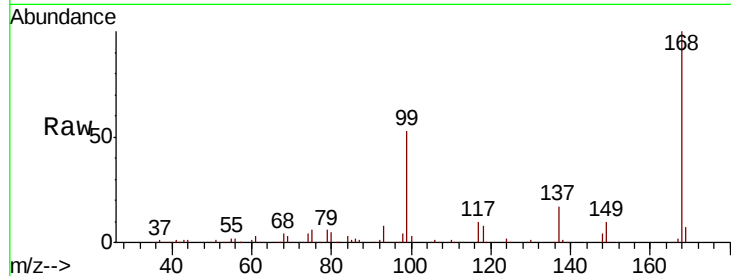
Tot Ion:117 Resp: 23405

Ion Ratio Lower Upper

117 100

119 4.3 74.2 111.2#

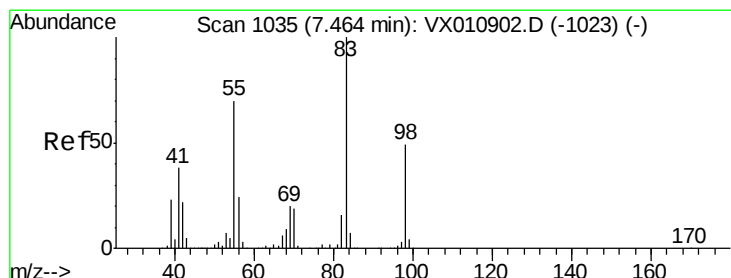
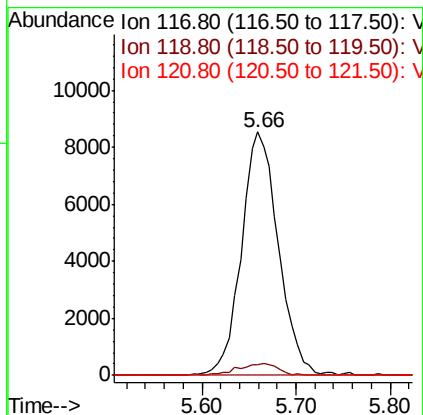
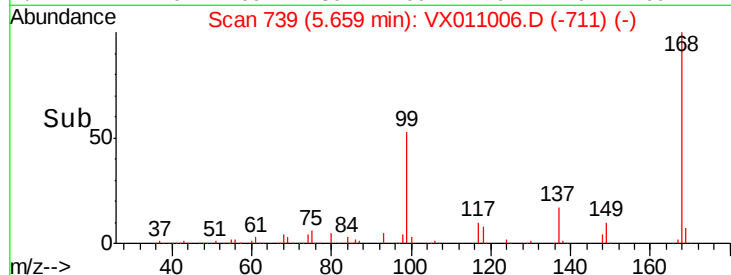
121 0.0 24.2 36.2#



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: 156.371 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX011006.D

Acq: 19 Jul 2019 16:38

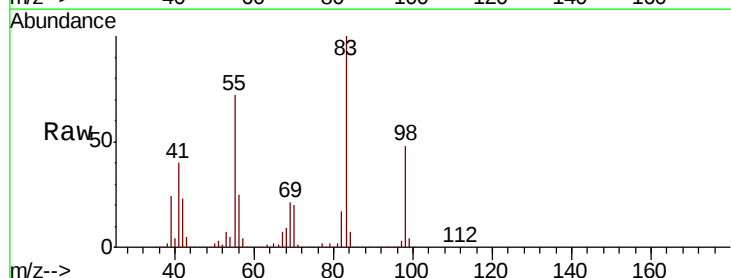
Tgt Ion: 83 Resp: 635178

Ion Ratio Lower Upper

83 100

55 71.8 56.2 84.4

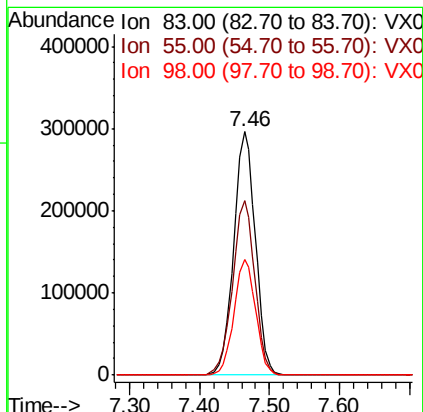
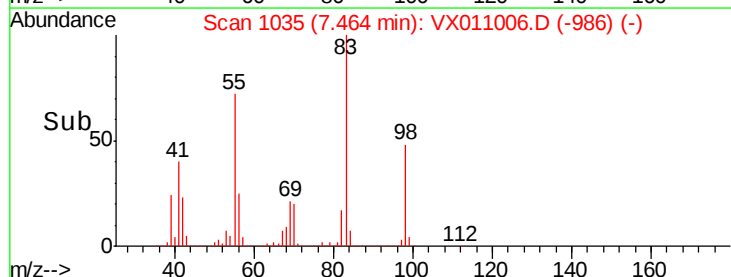
98 47.6 39.0 58.4

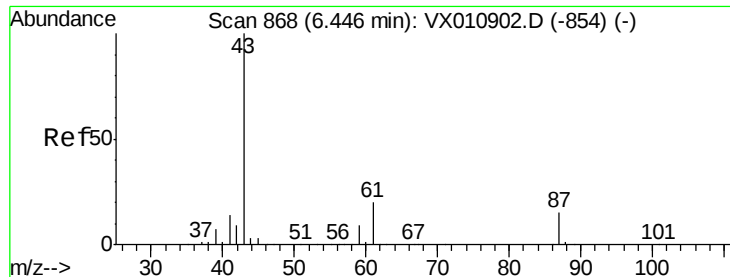


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#43

Isopropyl Acetate

Concen: 1.209 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.01 min

Lab File: VX011006.D

Acq: 19 Jul 2019 16:38

Instrument :

MSVOA_X

ClientSampled :

FL-0622

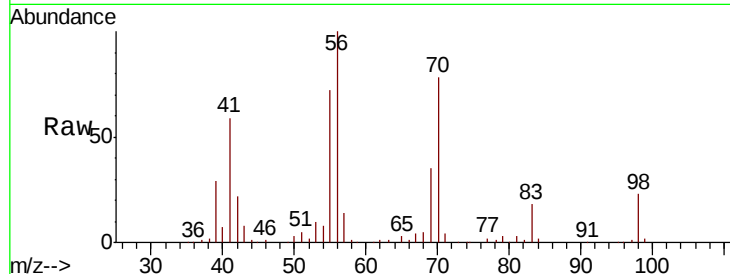
Tot Ion: 43 Resp: 6377

Ion Ratio Lower Upper

43 100

61 1.7 17.1 25.7#

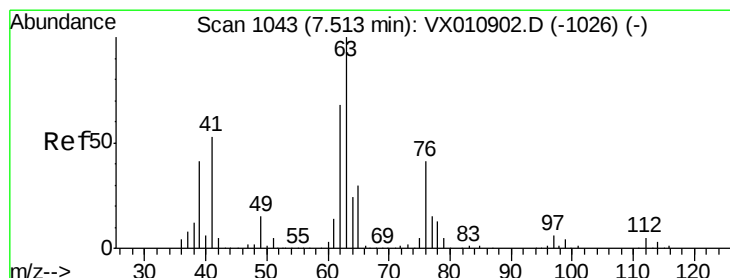
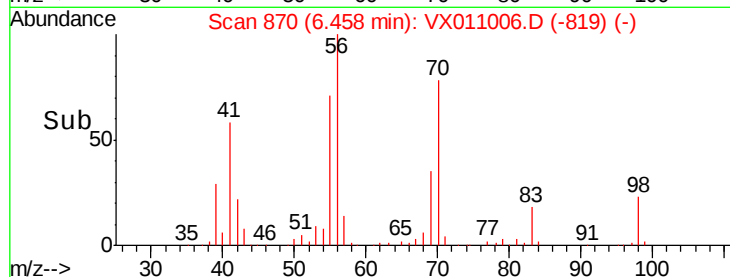
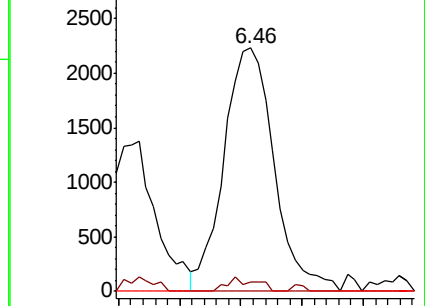
87 0.0 12.0 18.0#



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: 2.726 ug/l

RT: 7.47 min Scan# 1036

Delta R.T. -0.04 min

Lab File: VX011006.D

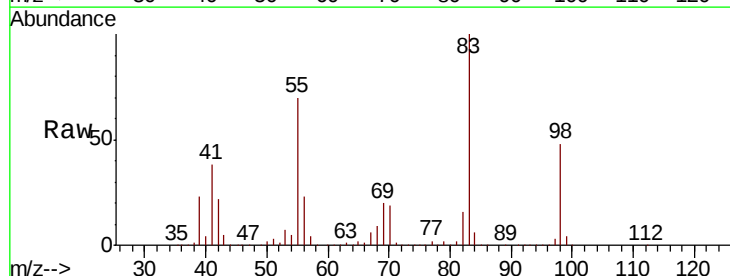
Acq: 19 Jul 2019 16:38

Tgt Ion: 63 Resp: 6658

Ion Ratio Lower Upper

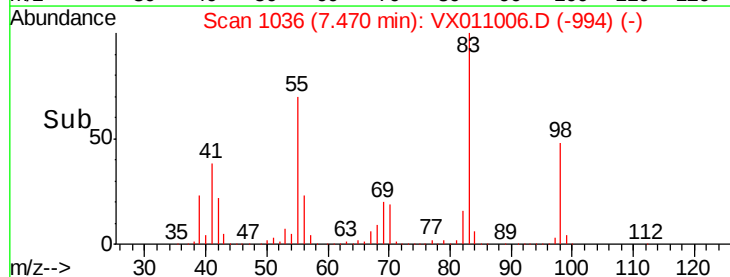
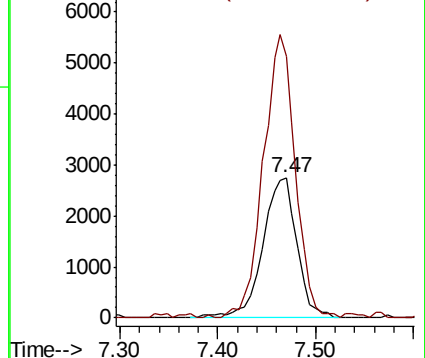
63 100

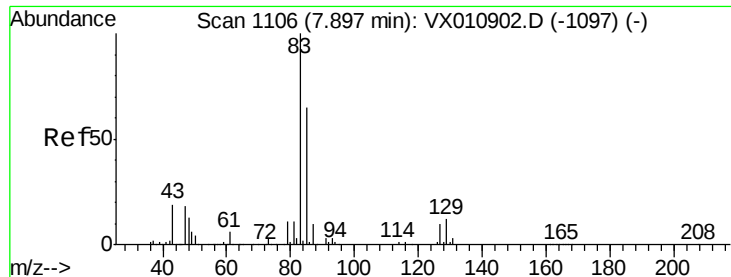
65 187.1 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0





#47

Bromodichloromethane

Concen: 0.431 ug/l

RT: 7.86 min Scan# 1100

Delta R.T. -0.04 min

Lab File: VX011006.D

Acq: 19 Jul 2019 16:38

Instrument :

MSVOA_X

ClientSampled :

FL-0622

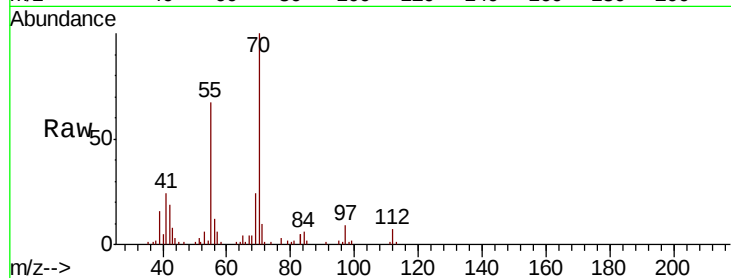
Tot Ion: 83 Resp: 1338

Ion Ratio Lower Upper

83 100

85 22.1 52.5 78.7#

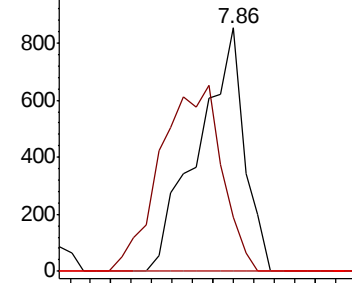
127 0.0 7.8 11.8#



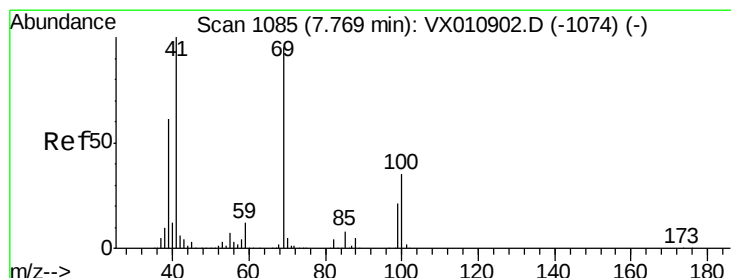
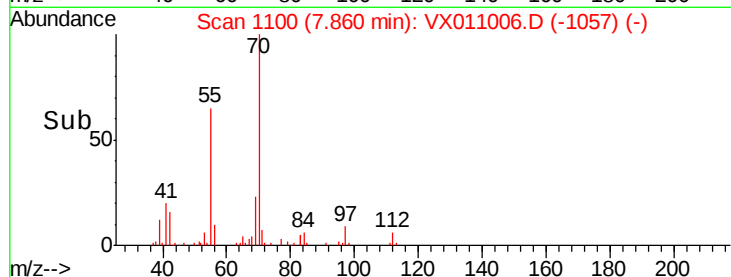
Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



Time-->



#48

Methyl methacrylate

Concen: 12.249 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.04 min

Lab File: VX011006.D

Acq: 19 Jul 2019 16:38

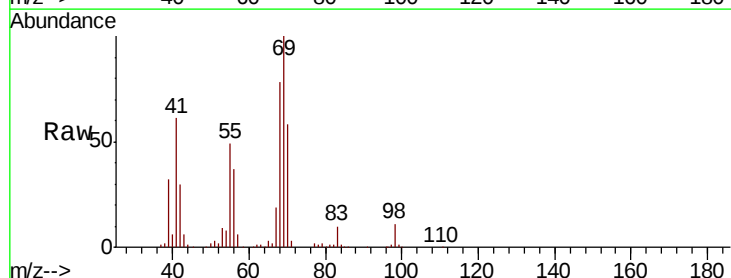
Tgt Ion: 41 Resp: 31471

Ion Ratio Lower Upper

41 100

69 157.4 74.4 111.6#

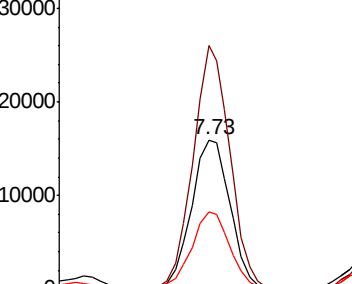
39 53.1 48.9 73.3



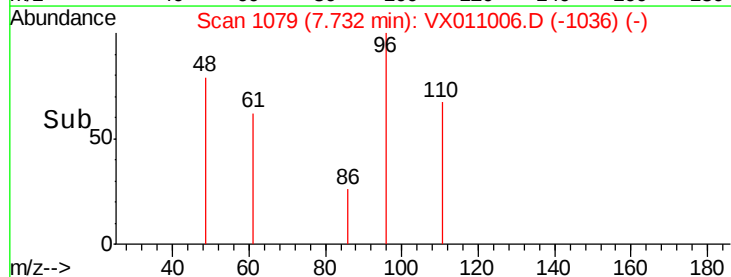
Abundance Ion 41.00 (40.70 to 41.70): VX0

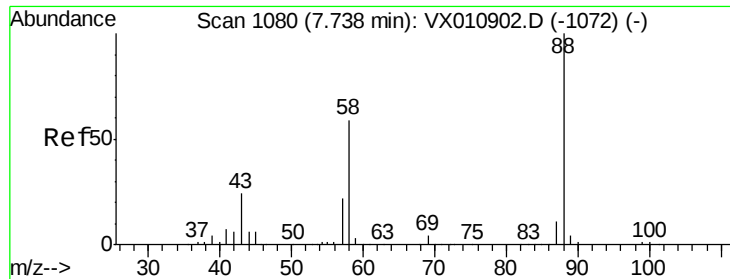
Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



Time-->

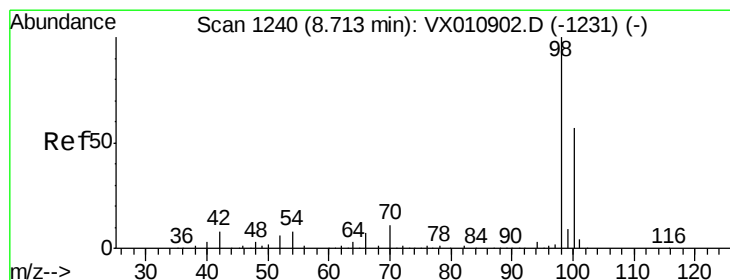
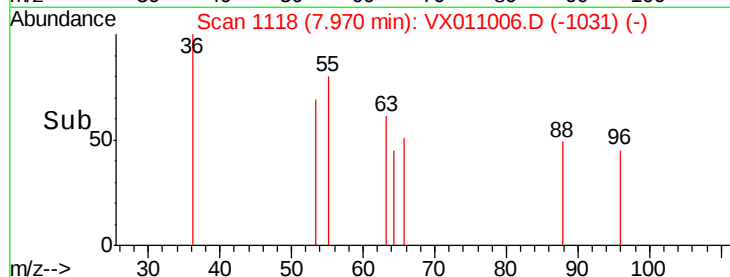
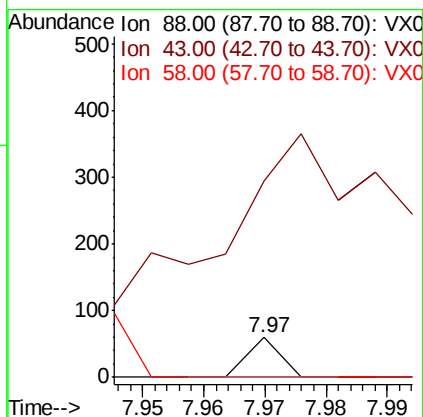
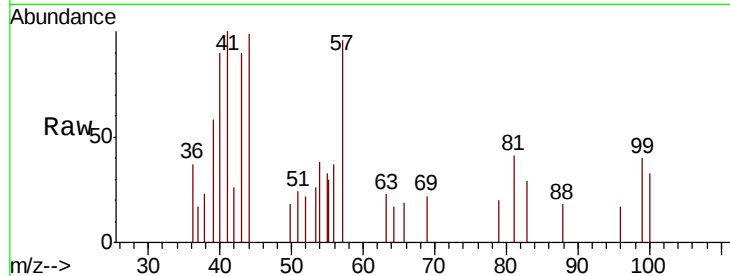




#49
 1,4-Dioxane
 Concen: 0.306 ug/l
 RT: 7.97 min Scan# 1118
 Delta R.T. 0.23 min
 Lab File: VX011006.D
 Acq: 19 Jul 2019 16:38

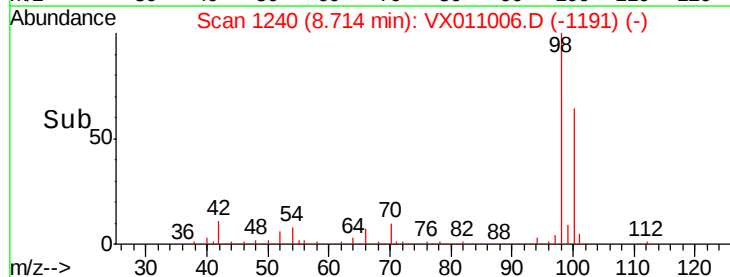
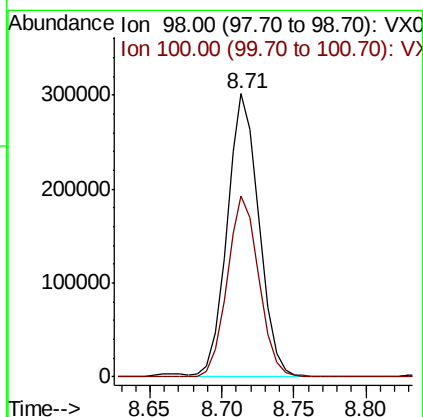
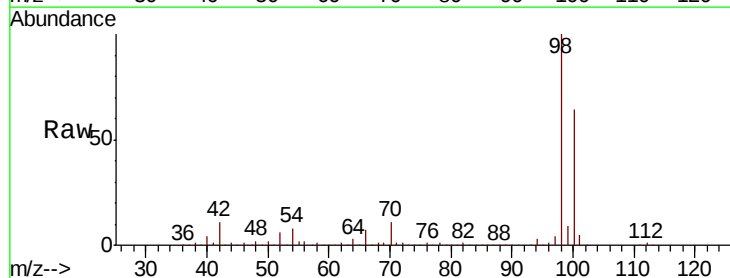
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0622

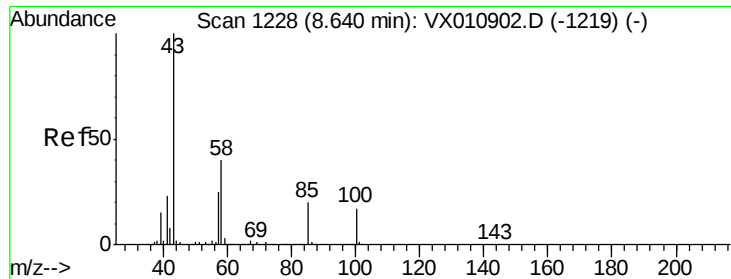
Tot Ion: 88 Resp: 22
 Ion Ratio Lower Upper
 88 100
 43 0.0 22.9 34.3#
 58 0.0 49.8 74.8#



#50
 Toluene-d8
 Concen: 51.043 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX011006.D
 Acq: 19 Jul 2019 16:38

Tgt Ion: 98 Resp: 463369
 Ion Ratio Lower Upper
 98 100
 100 63.8 50.6 75.8

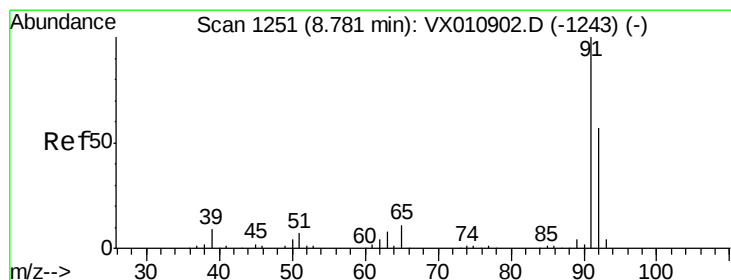
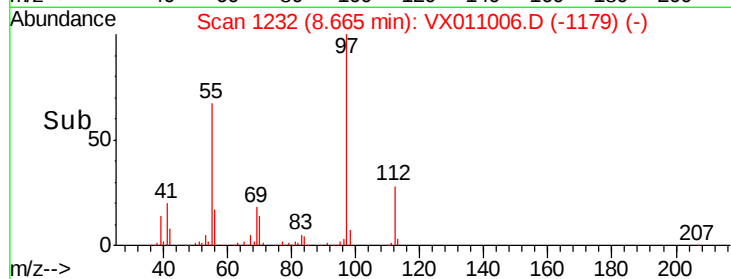
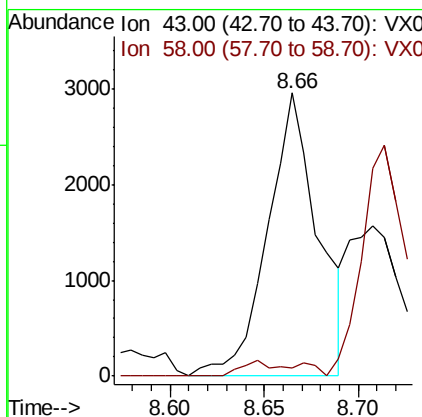
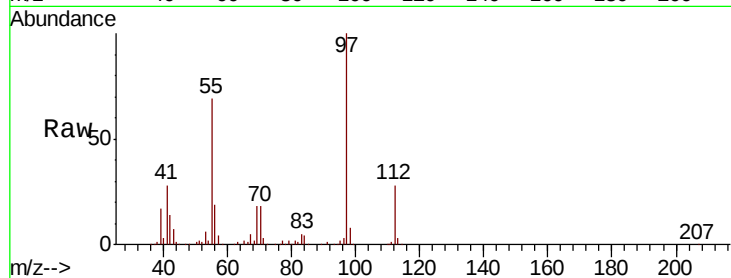




#51
 4-Methyl-2-Pentanone
 Concen: 1.600 ug/l
 RT: 8.66 min Scan# 1232
 Delta R.T. 0.02 min
 Lab File: VX011006.D
 Acq: 19 Jul 2019 16:38

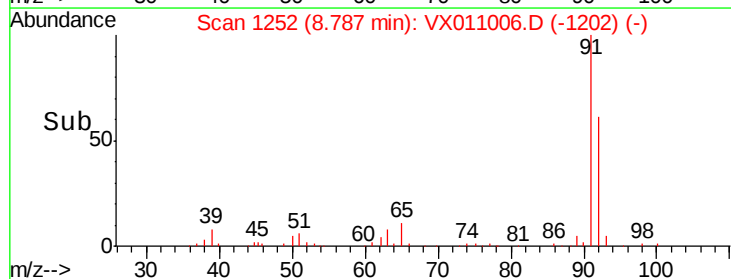
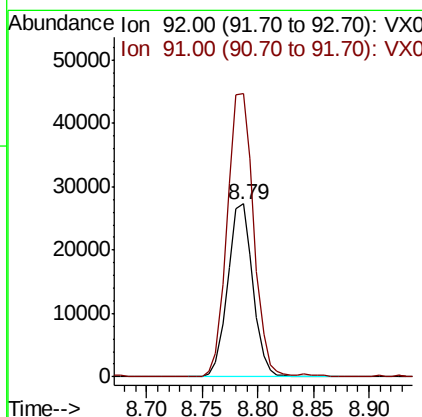
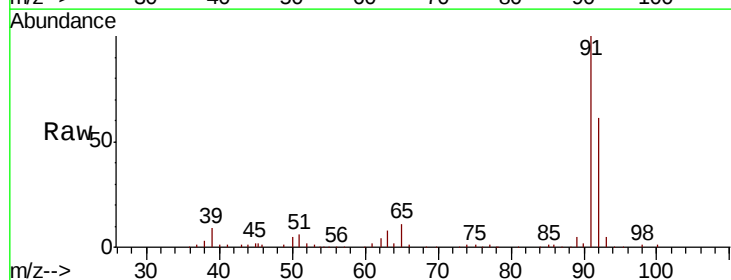
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0622

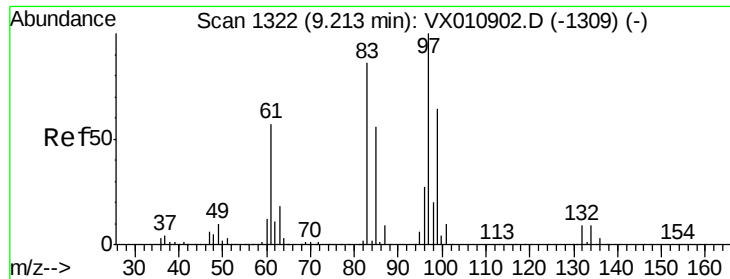
Tot Ion: 43 Resp: 5470
 Ion Ratio Lower Upper
 43 100
 58 4.1 32.2 48.4#



#52
 Toluene
 Concen: 6.781 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. 0.01 min
 Lab File: VX011006.D
 Acq: 19 Jul 2019 16:38

Tgt Ion: 92 Resp: 42741
 Ion Ratio Lower Upper
 92 100
 91 173.2 139.4 209.0

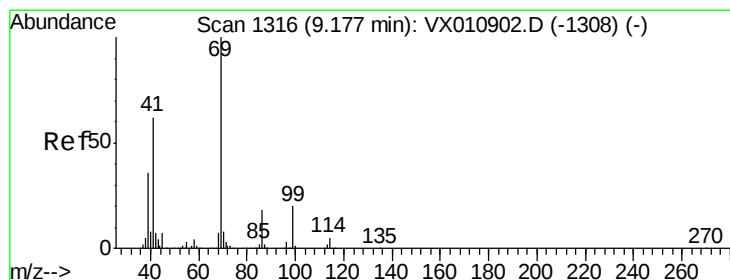
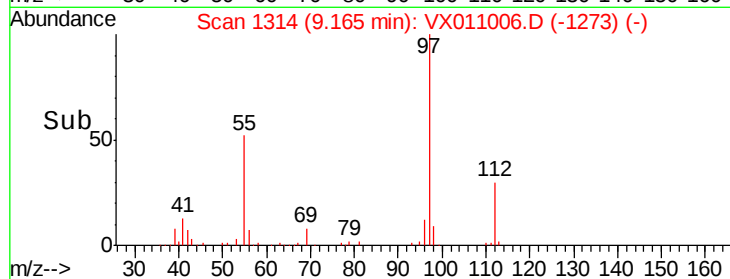
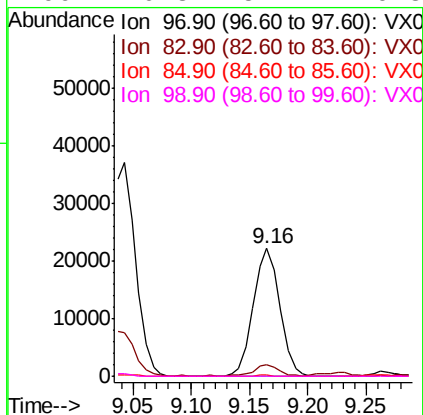
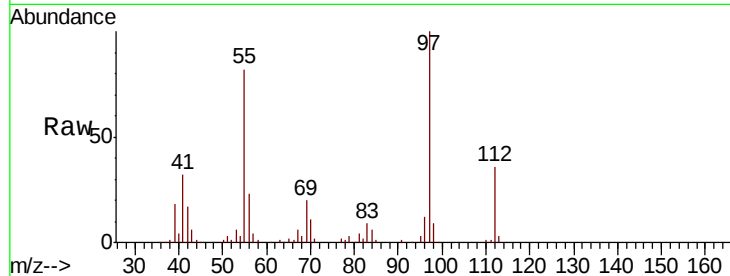




#55
 1,1,2-Trichloroethane
 Concen: 13.557 ug/l
 RT: 9.16 min Scan# 1314
 Delta R.T. -0.05 min
 Lab File: VX011006.D
 Acq: 19 Jul 2019 16:38

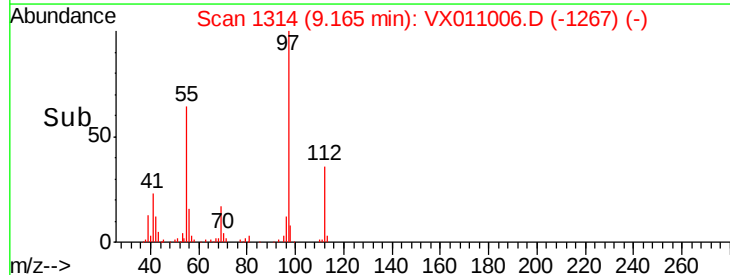
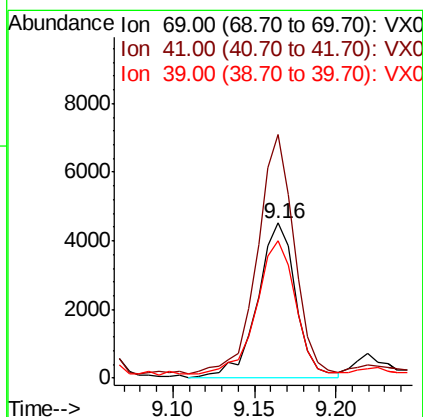
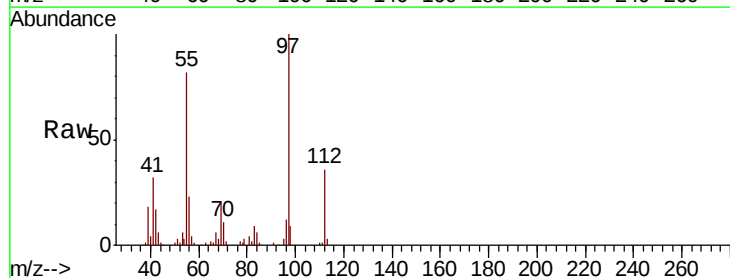
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0622

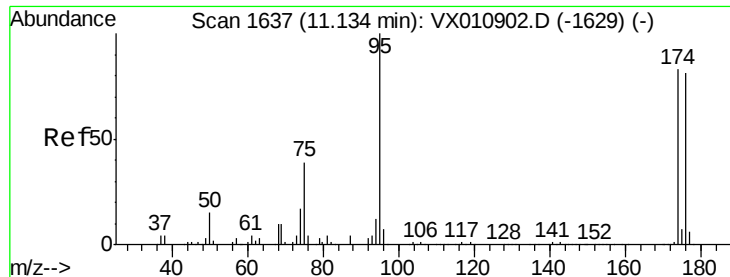
Tot Ion:	97	Resp:	35185
Ion	Ratio	Lower	Upper
97	100		
83	8.2	69.2	103.8#
85	0.6	44.6	66.8#
99	0.3	51.2	76.8#



#56
 Ethyl methacrylate
 Concen: 1.954 ug/l
 RT: 9.16 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VX011006.D
 Acq: 19 Jul 2019 16:38

Tgt Ion:	69	Resp:	7418
Ion	Ratio	Lower	Upper
69	100		
41	146.1	49.7	74.5#
39	86.0	29.6	44.4#





#62

4-Bromofluorobenzene

Concen: 54.556 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011006.D

Acq: 19 Jul 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

FL-0622

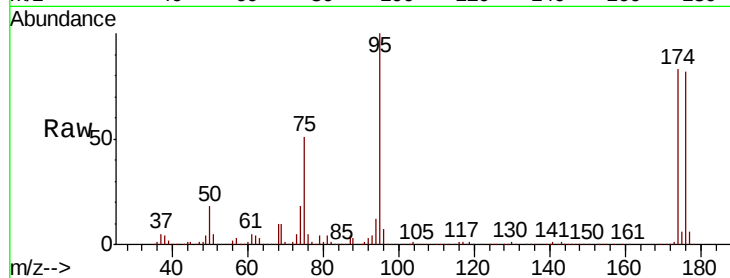
Tot Ion: 95 Resp: 182044

Ion Ratio Lower Upper

95 100

174 88.0 0.0 180.6

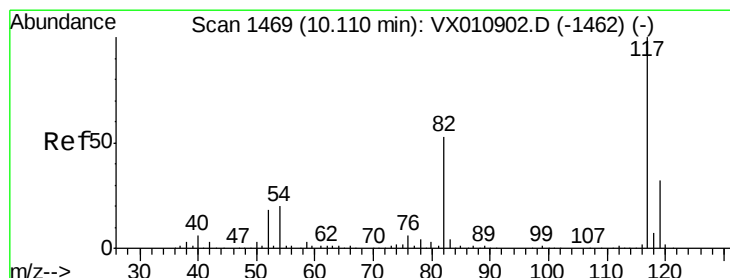
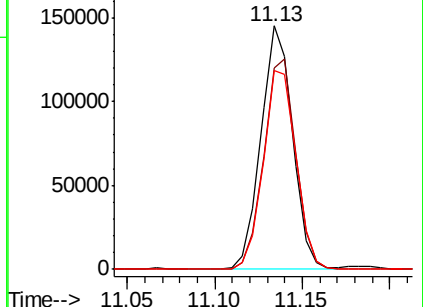
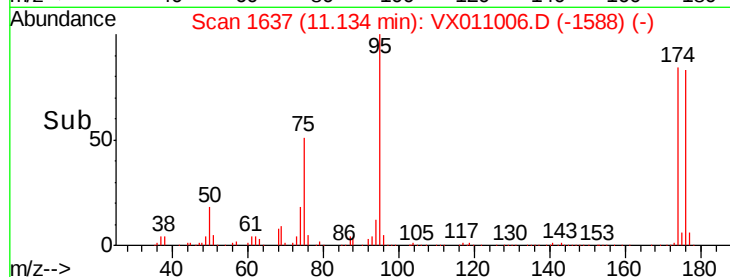
176 84.8 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VX011006.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX011006.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX011006.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011006.D

Acq: 19 Jul 2019 16:38

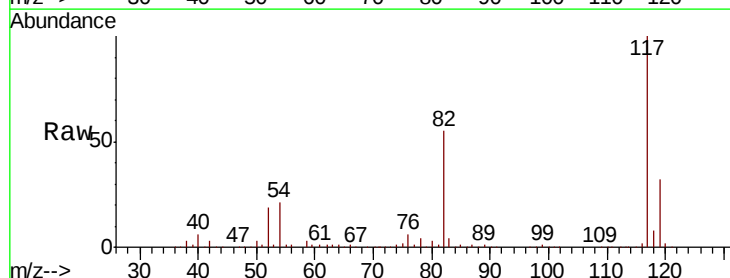
Tgt Ion: 117 Resp: 355110

Ion Ratio Lower Upper

117 100

82 55.0 42.6 63.8

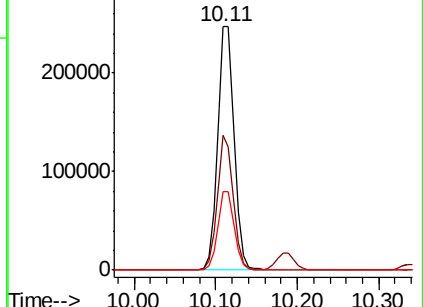
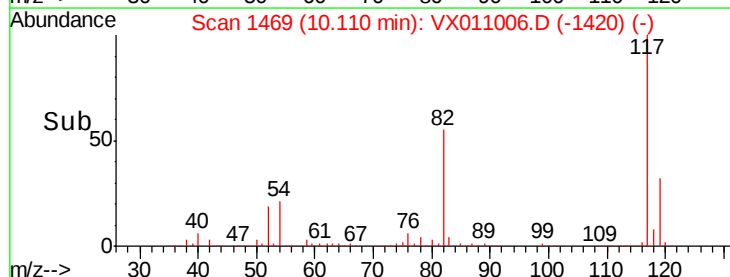
119 32.5 25.9 38.9

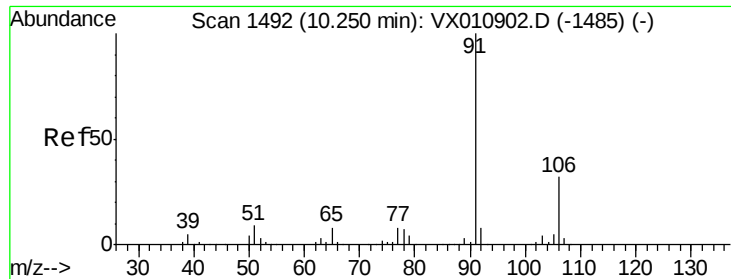


Abundance Ion 116.90 (116.60 to 117.60): VX011006.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX011006.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX011006.D (-1420) (-)

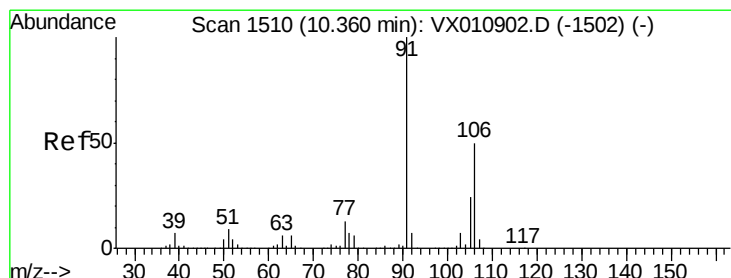
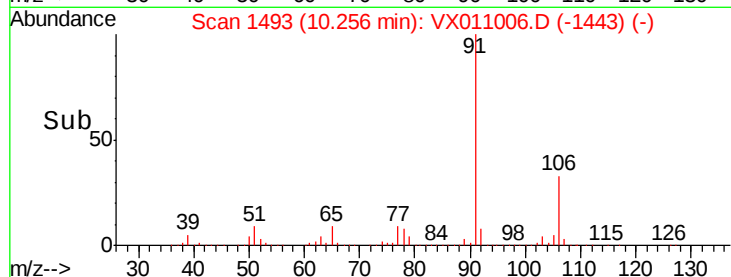
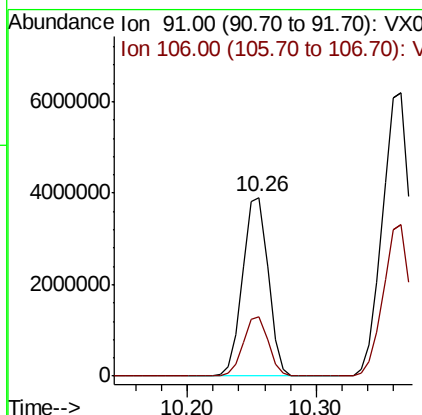
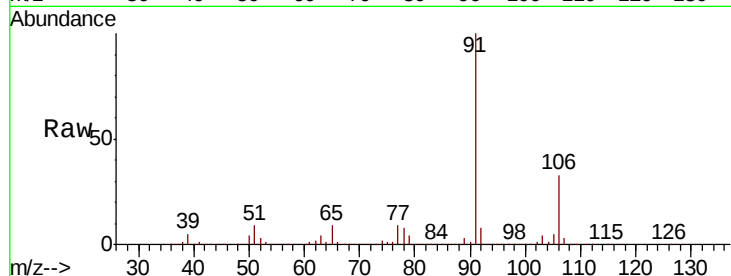




#67
Ethyl Benzene
Concen: 431.499 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VX011006.D
Acq: 19 Jul 2019 16:38

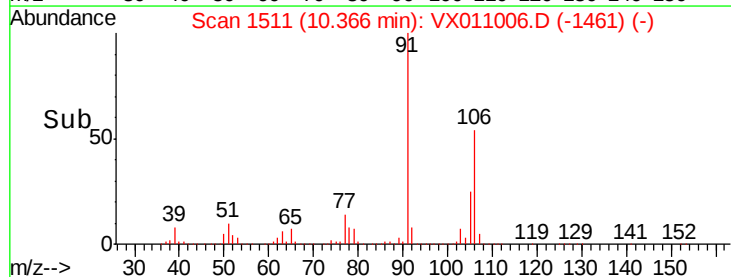
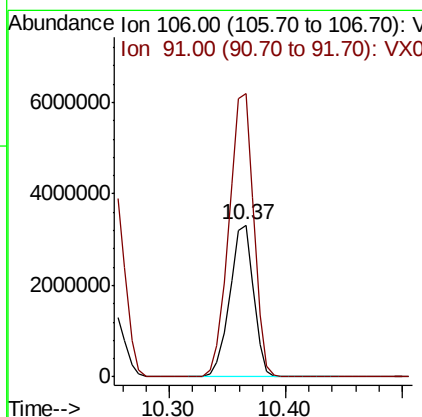
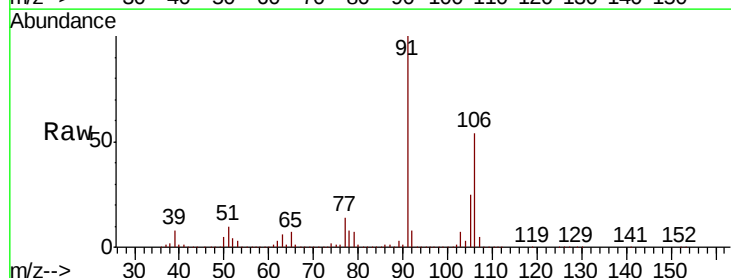
Instrument :
MSVOA_X
ClientSampleId :
FL-0622

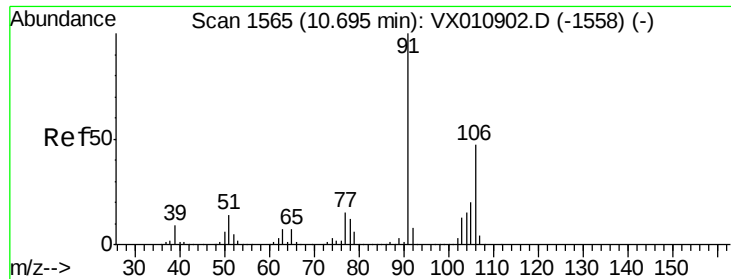
Tot Ion: 91 Resp: 5356934
Ion Ratio Lower Upper
91 100
106 33.1 25.4 38.2



#68
m/p-Xylenes
Concen: 993.363 ug/l
RT: 10.37 min Scan# 1511
Delta R.T. 0.01 min
Lab File: VX011006.D
Acq: 19 Jul 2019 16:38

Tgt Ion: 106 Resp: 4730566
Ion Ratio Lower Upper
106 100
91 193.2 160.1 240.1

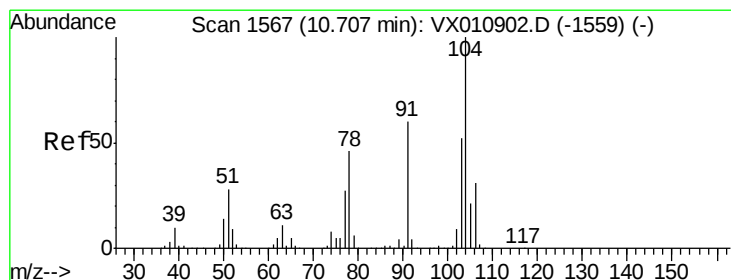
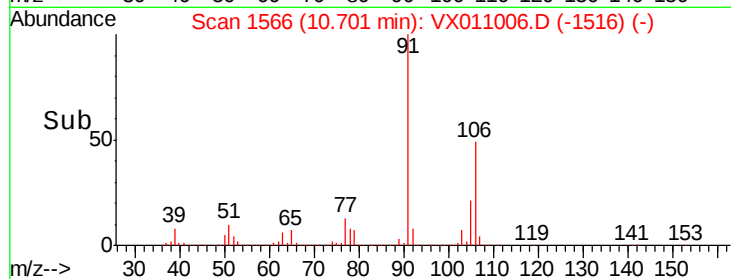
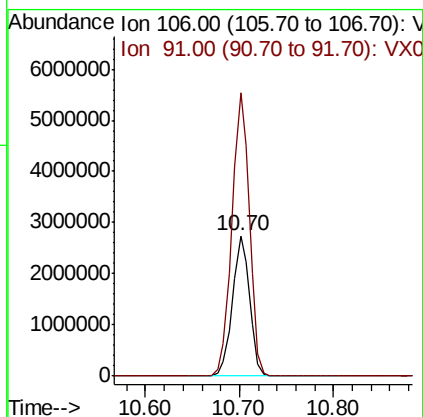
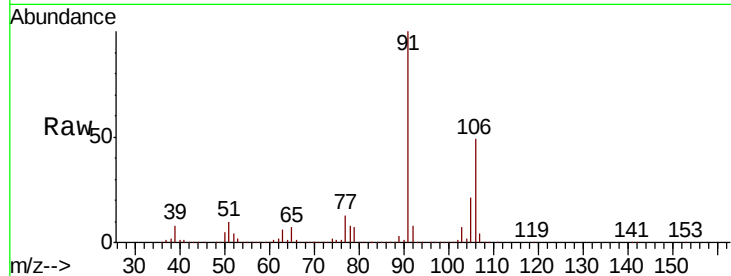




#69
o-Xylene
Concen: 738.909 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX011006.D
Acq: 19 Jul 2019 16:38

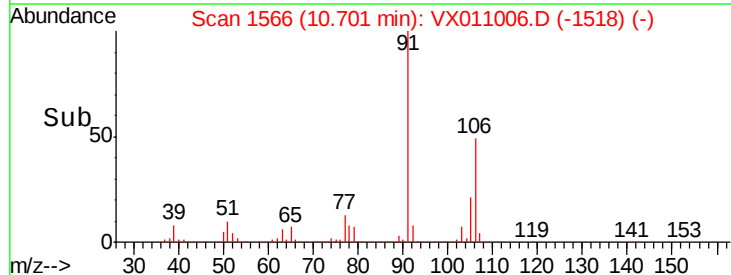
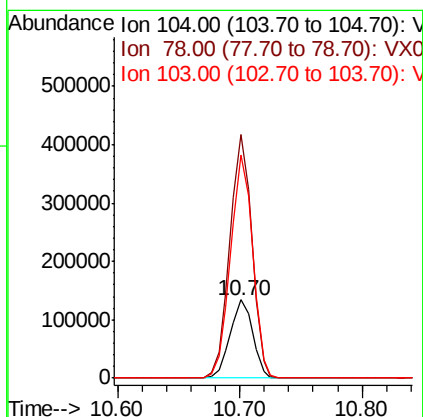
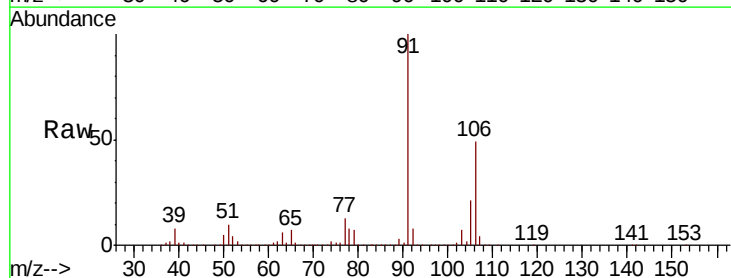
Instrument :
MSVOA_X
ClientSampleId :
FL-0622

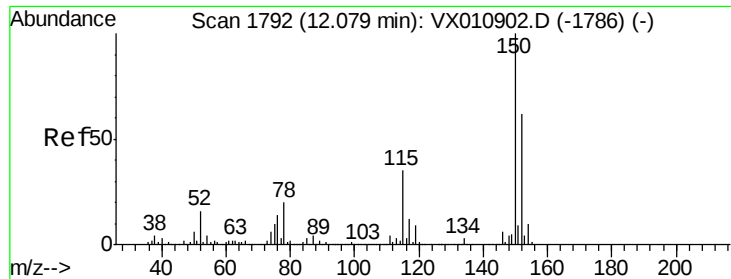
Tot Ion:106 Resp: 3434188
Ion Ratio Lower Upper
106 100
91 207.1 105.1 315.3



#70
Styrene
Concen: 21.935 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VX011006.D
Acq: 19 Jul 2019 16:38

Tgt Ion:104 Resp: 169941
Ion Ratio Lower Upper
104 100
78 305.6 38.8 58.2#
103 281.5 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: VX011006.D

Acq: 19 Jul 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

FL-0622

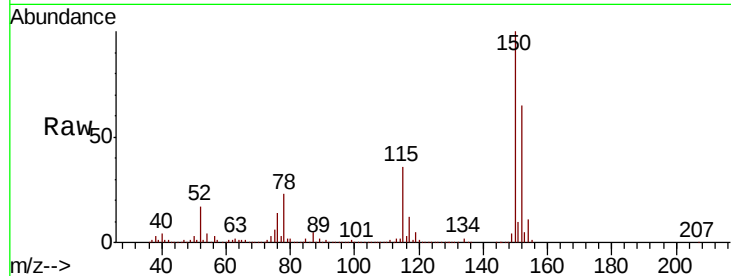
Tot Ion:152 Resp: 194933

Ion Ratio Lower Upper

152 100

115 62.6 39.7 119.1

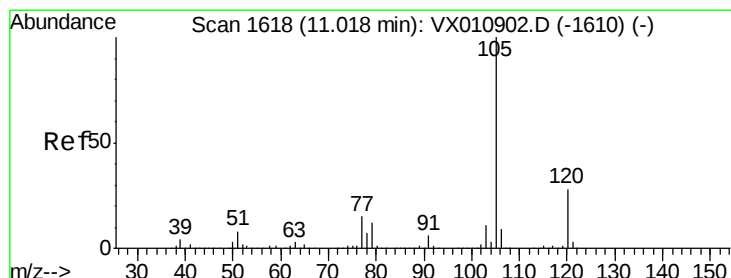
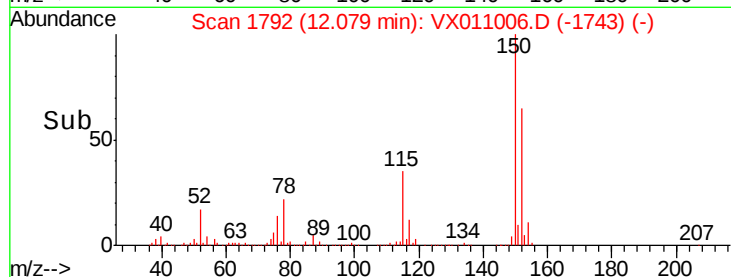
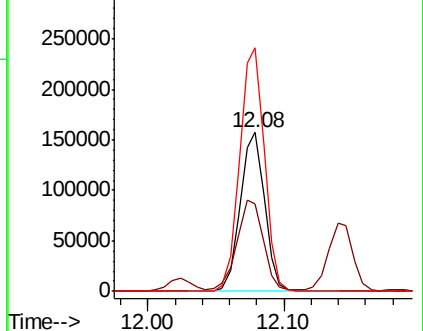
150 155.6 0.0 345.6



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: 54.768 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011006.D

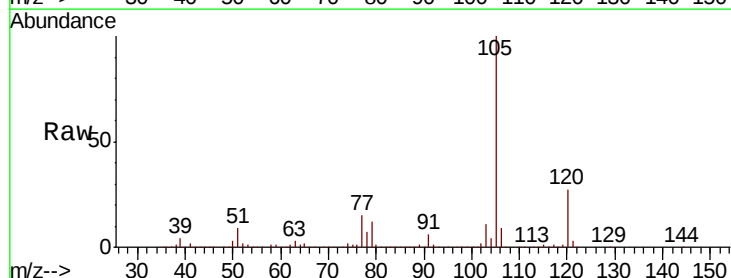
Acq: 19 Jul 2019 16:38

Tgt Ion:105 Resp: 721387

Ion Ratio Lower Upper

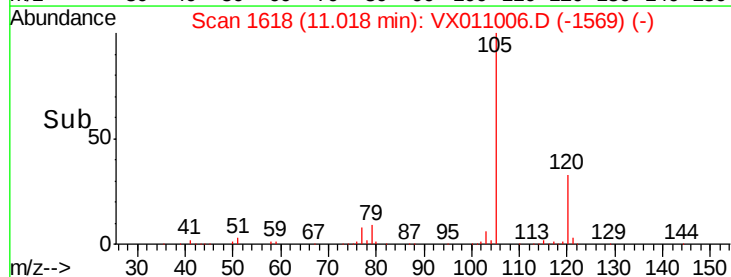
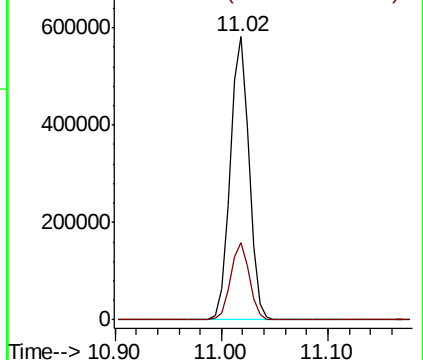
105 100

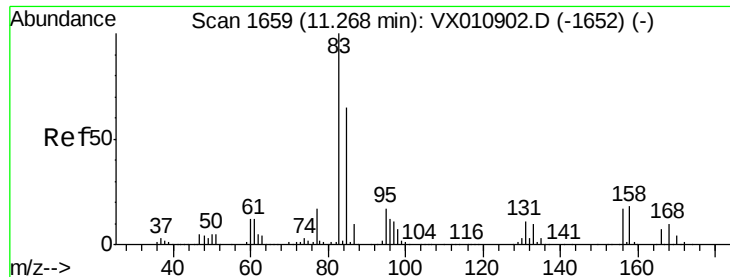
120 27.1 13.7 41.1



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: 0.459 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX011006.D

Acq: 19 Jul 2019 16:38

Instrument :

MSVOA_X

ClientSampled :

FL-0622

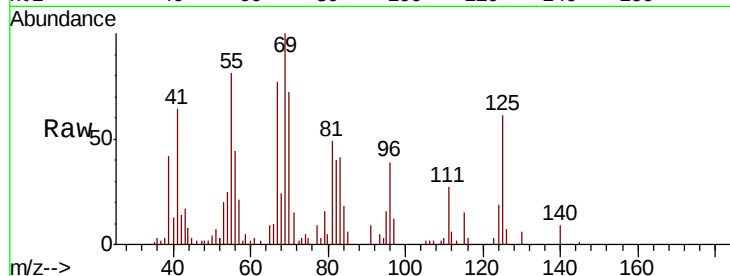
Tot Ion: 83 Resp: 1979

Ion Ratio Lower Upper

83 100

131 12.9 5.5 16.4

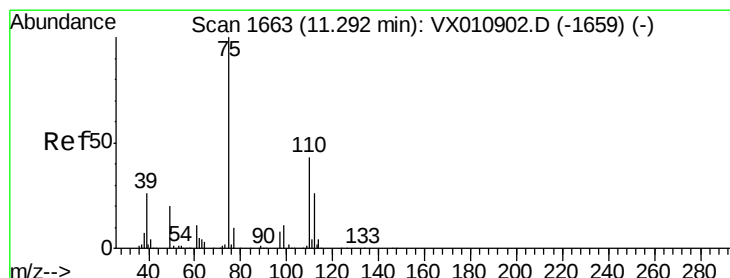
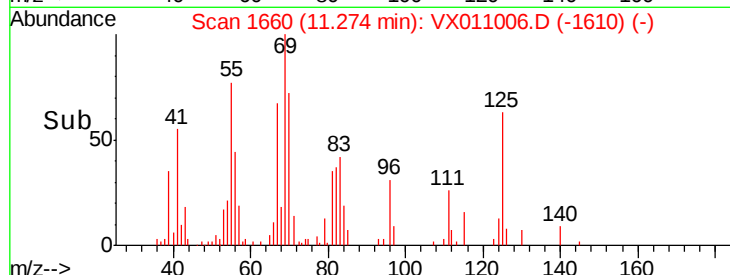
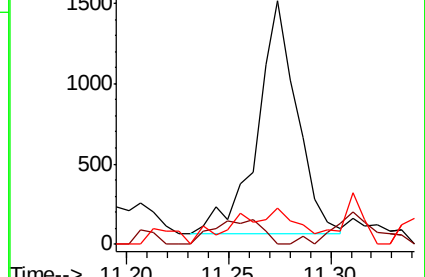
85 24.2 32.3 96.9#



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: 1.770 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.07 min

Lab File: VX011006.D

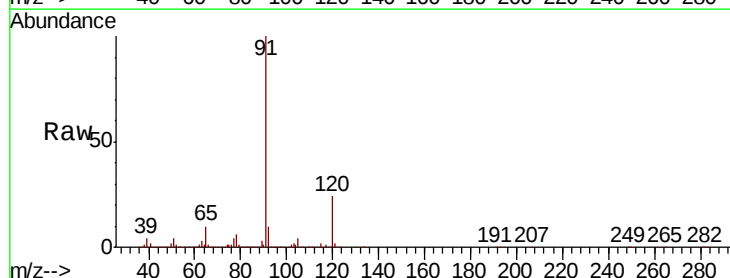
Acq: 19 Jul 2019 16:38

Tgt Ion: 75 Resp: 6225

Ion Ratio Lower Upper

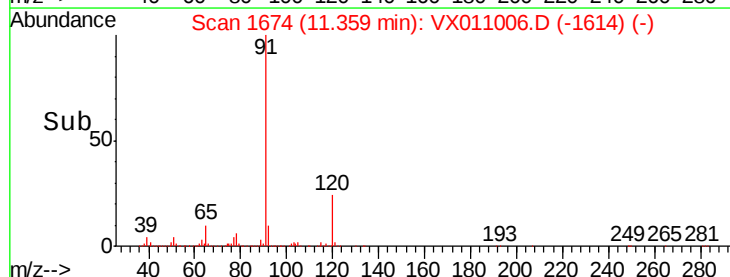
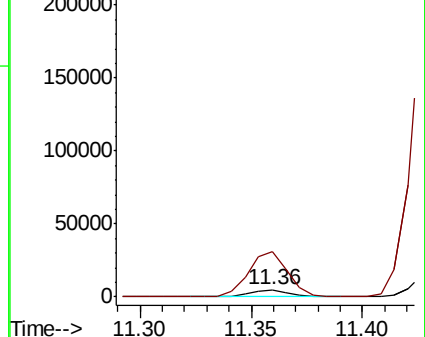
75 100

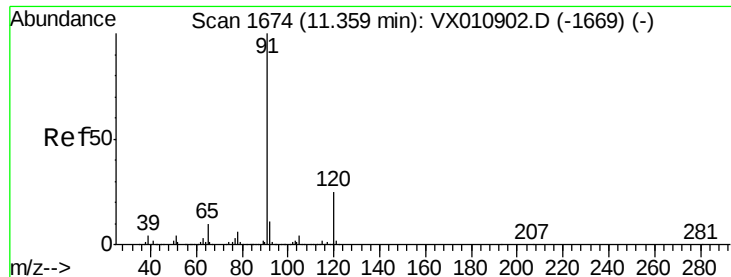
77 613.8 21.3 64.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 66.378 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011006.D

Acq: 19 Jul 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

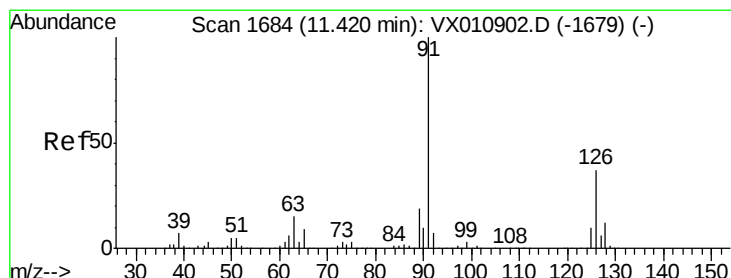
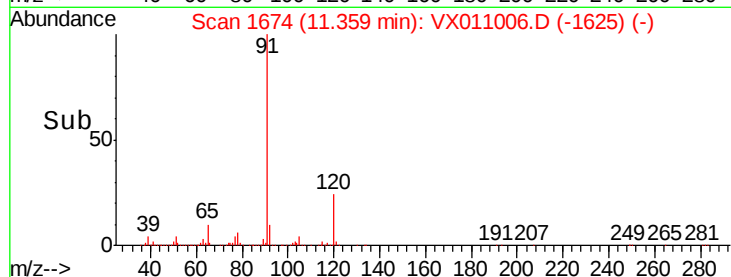
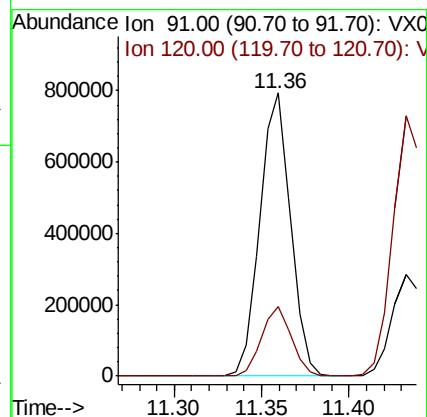
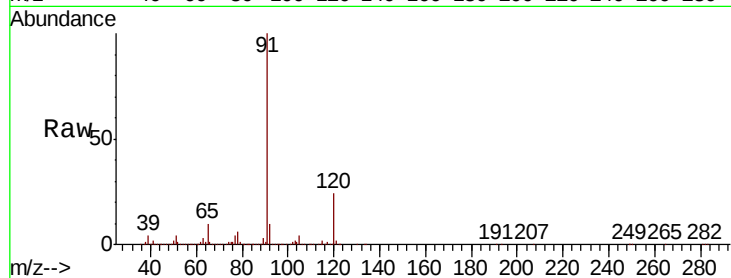
FL-0622

Tot Ion: 91 Resp: 966033

Ion Ratio Lower Upper

91 100

120 24.1 12.3 36.8



#79

2-Chlorotoluene

Concen: 59.768 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX011006.D

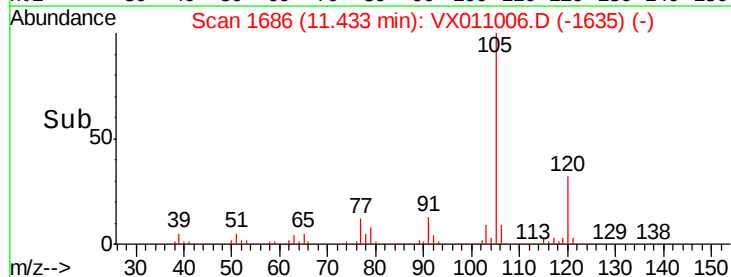
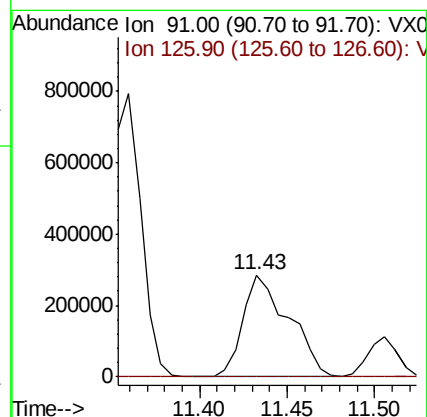
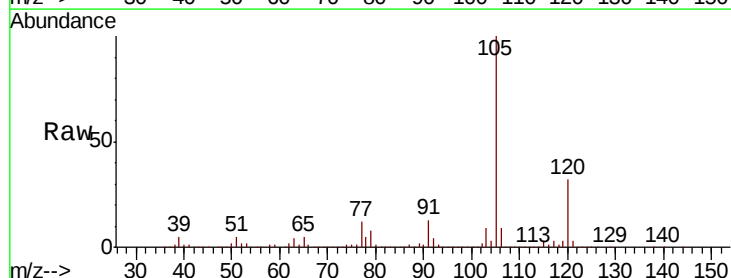
Acq: 19 Jul 2019 16:38

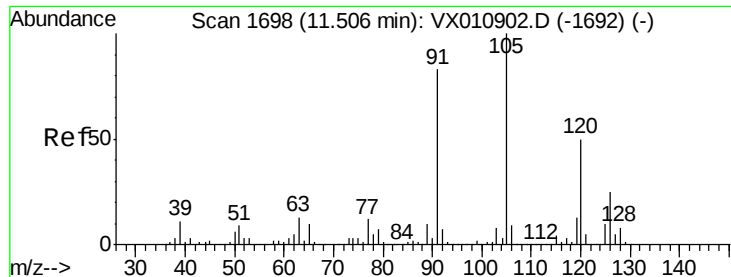
Tgt Ion: 91 Resp: 522531

Ion Ratio Lower Upper

91 100

126 0.1 18.0 54.0#

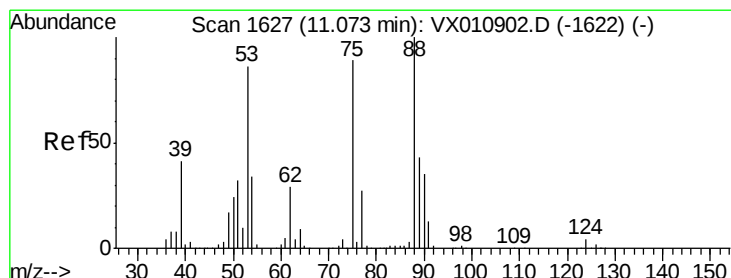
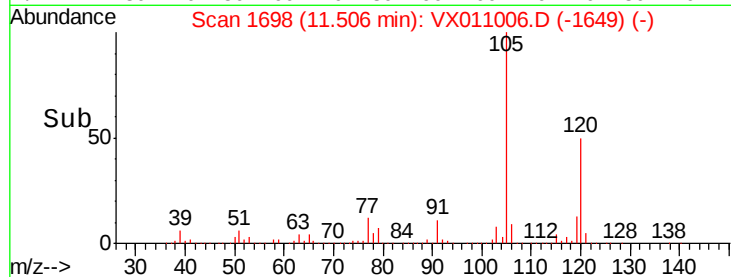
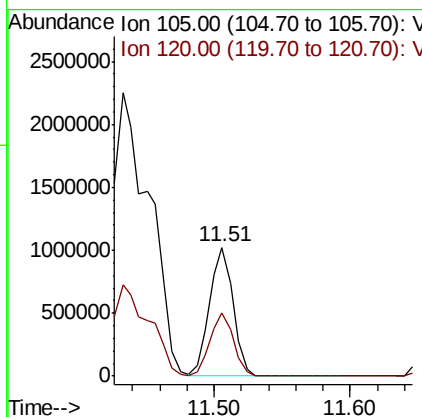
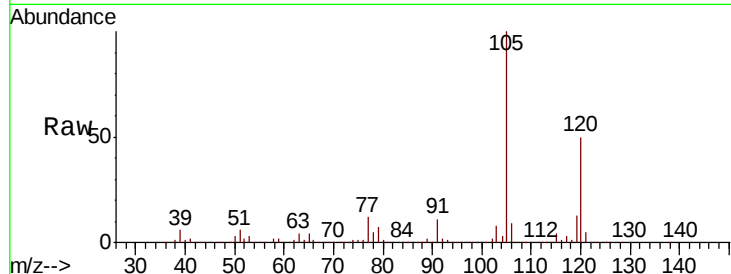




#80
 1,3,5-Trimethylbenzene
 Concen: 111.526 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX011006.D
 Acq: 19 Jul 2019 16:38

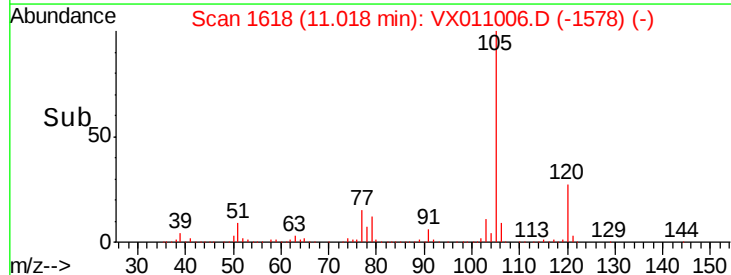
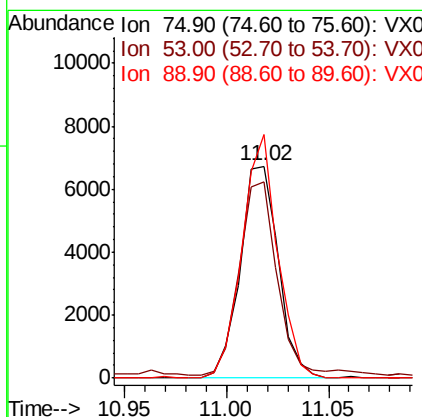
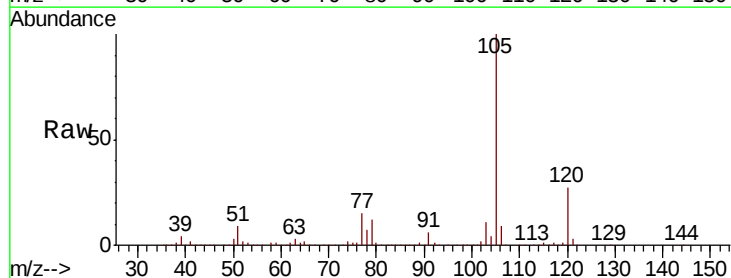
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0622

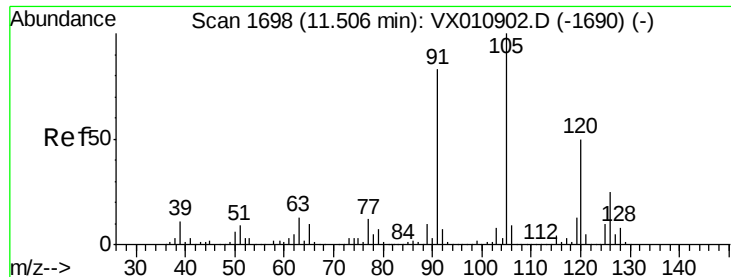
Tot Ion:105 Resp: 1227472
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.6 73.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 9.774 ug/l
 RT: 11.02 min Scan# 1618
 Delta R.T. -0.05 min
 Lab File: VX011006.D
 Acq: 19 Jul 2019 16:38

Tgt Ion: 75 Resp: 8740
 Ion Ratio Lower Upper
 75 100
 53 92.4 76.7 115.1
 89 107.0 38.5 57.7#

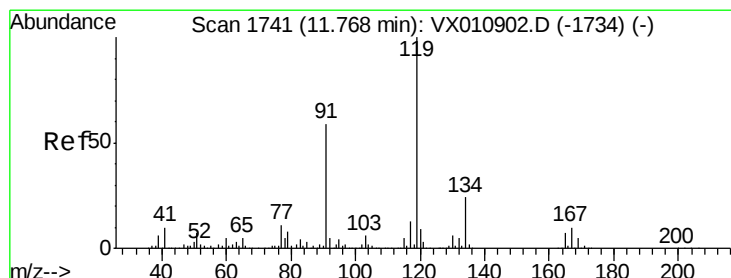
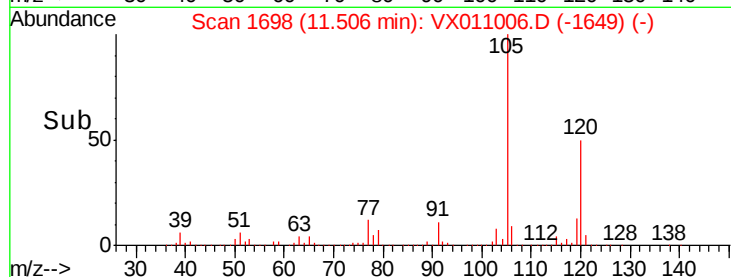
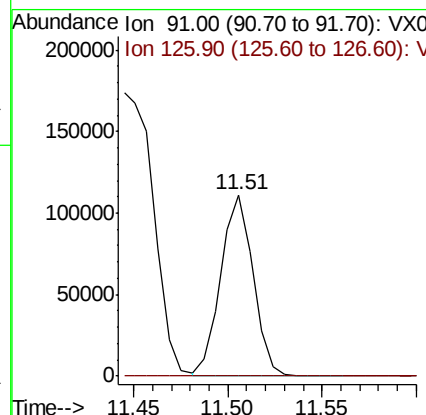
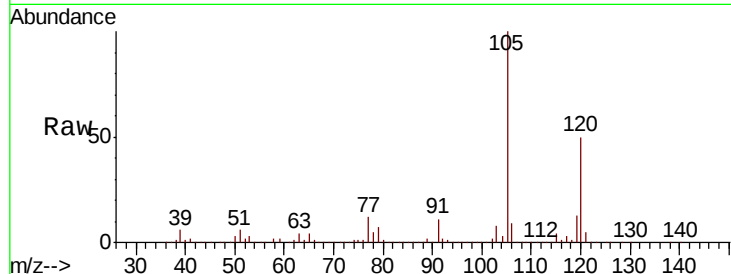




#82
4-Chlorotoluene
Concen: 12.971 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011006.D
Acq: 19 Jul 2019 16:38

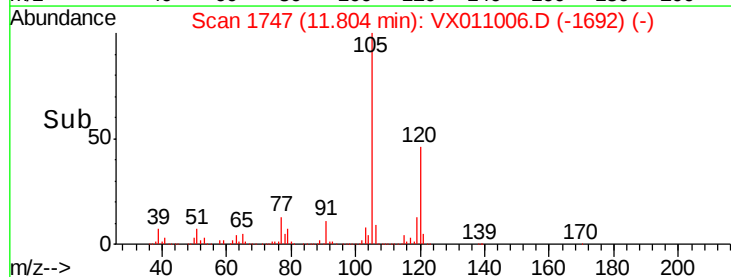
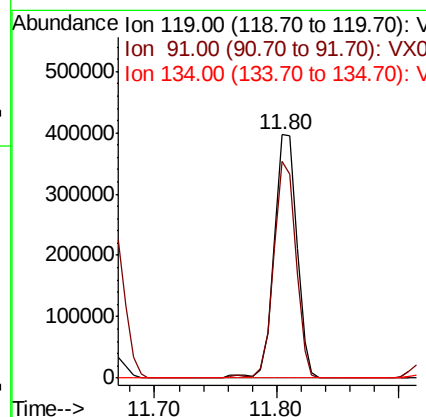
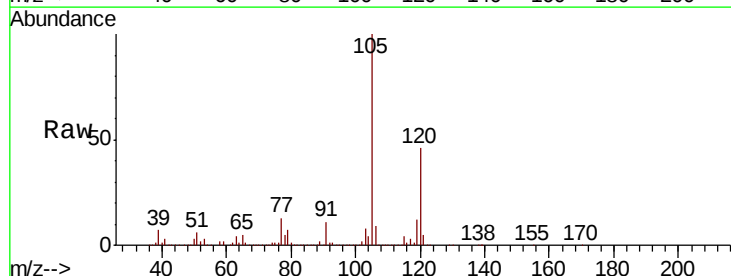
Instrument :
MSVOA_X
ClientSampleId :
FL-0622

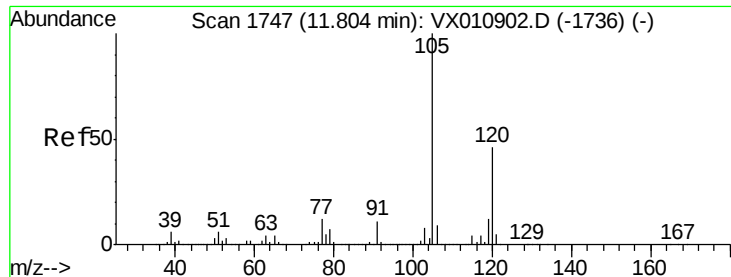
Tot Ion: 91 Resp: 131982
Ion Ratio Lower Upper
91 100
126 0.1 15.9 47.7#



#83
tert-Butylbenzene
Concen: 47.606 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.04 min
Lab File: VX011006.D
Acq: 19 Jul 2019 16:38

Tgt Ion: 119 Resp: 514665
Ion Ratio Lower Upper
119 100
91 86.6 28.6 85.8#
134 0.0 11.6 34.8#

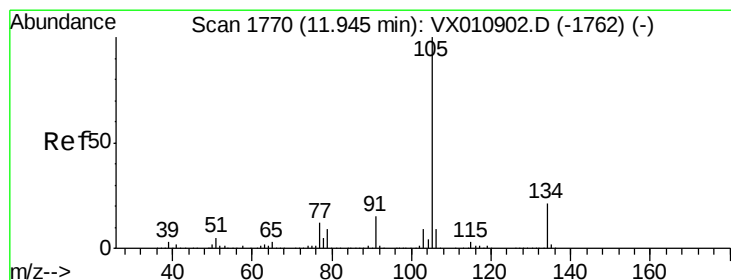
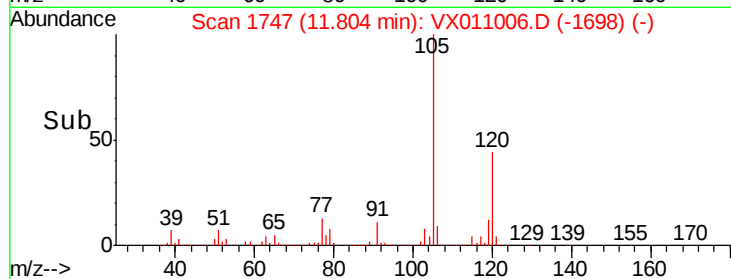
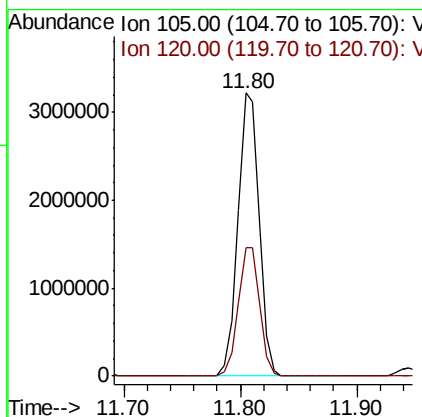
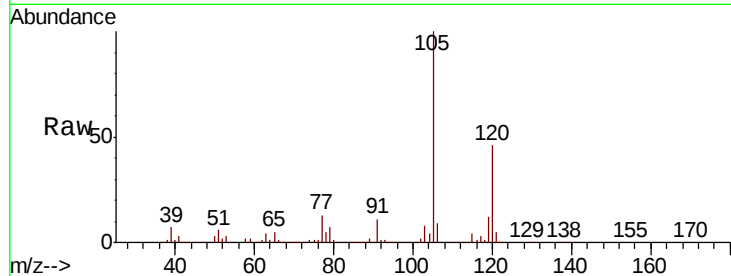




#84
 1,2,4-Trimethylbenzene
 Concen: 368.137 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011006.D
 Acq: 19 Jul 2019 16:38

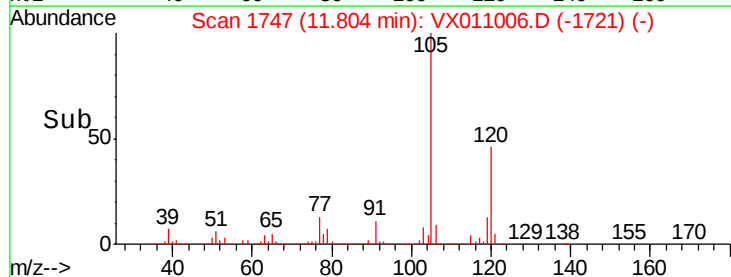
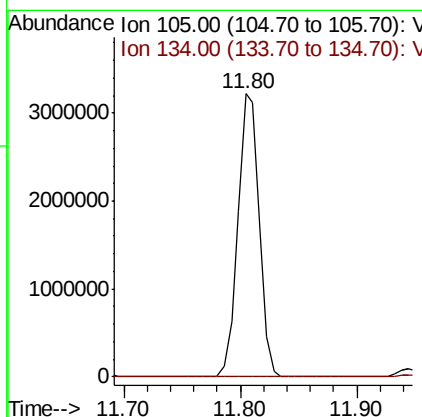
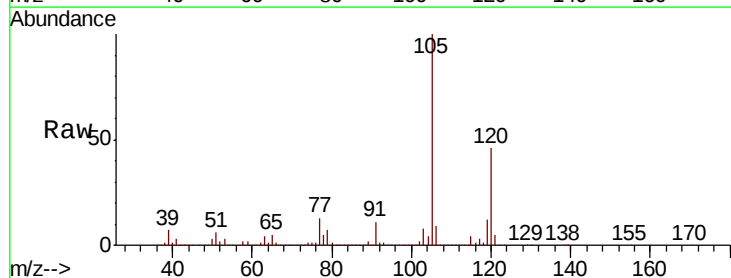
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0622

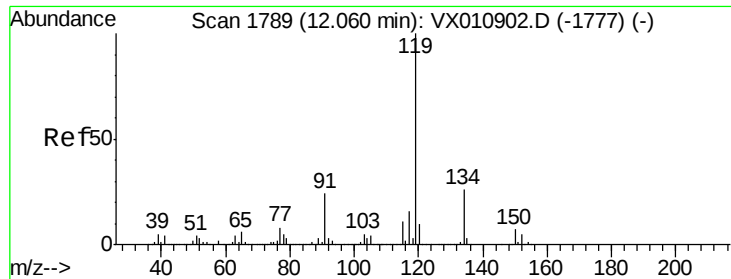
Tot Ion:105 Resp: 4083803
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.9 68.5



#85
 sec-Butylbenzene
 Concen: 322.369 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.14 min
 Lab File: VX011006.D
 Acq: 19 Jul 2019 16:38

Tgt Ion:105 Resp: 4083603
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.4#

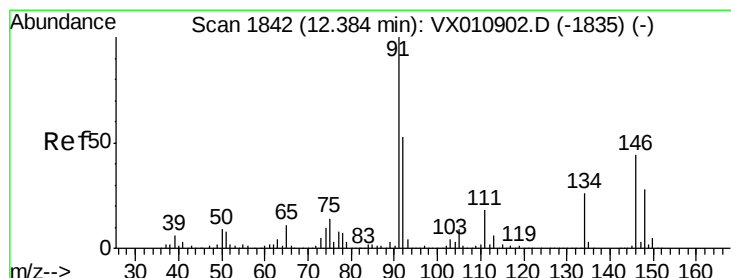
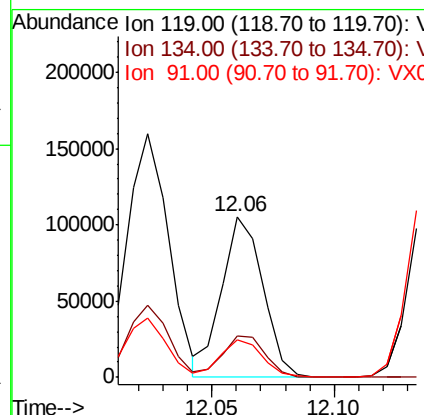
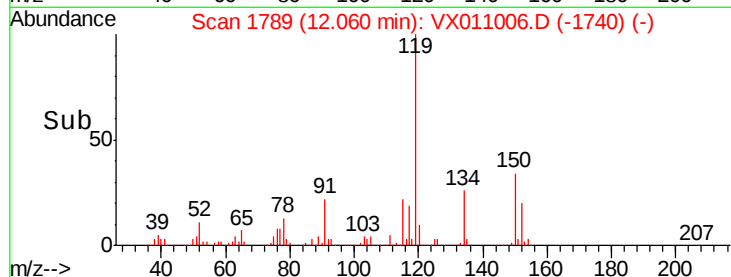
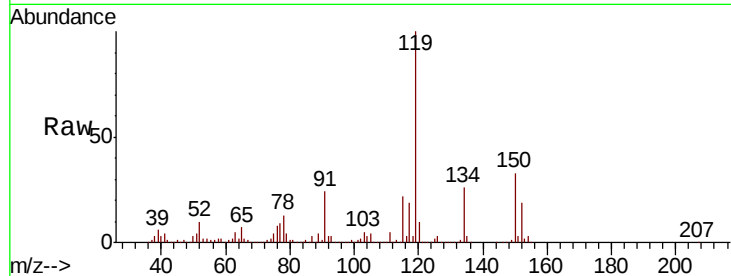




#86
p-Isopropyltoluene
Concen: 10.503 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX011006.D
Acq: 19 Jul 2019 16:38

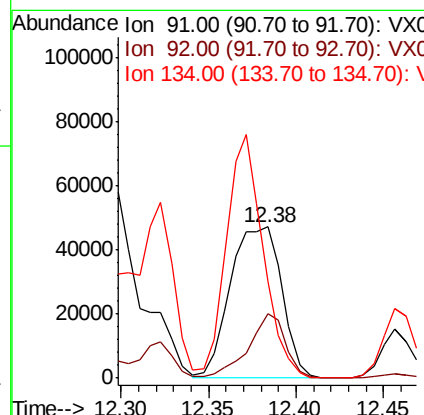
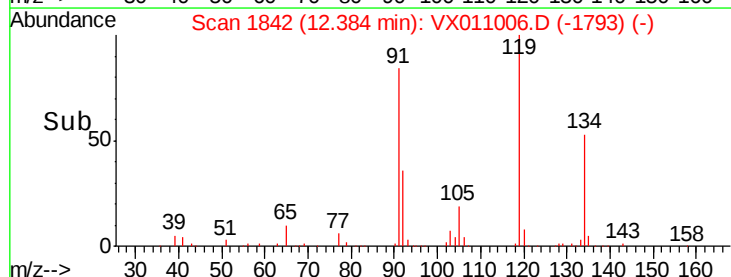
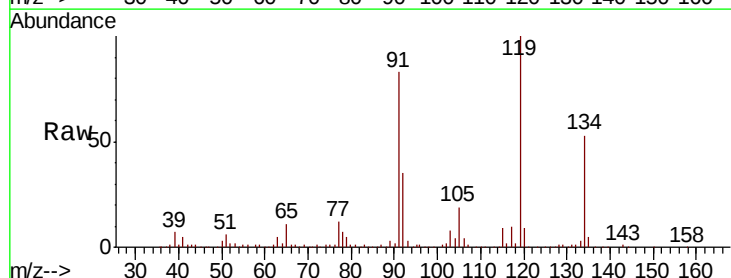
Instrument :
MSVOA_X
ClientSampled :
FL-0622

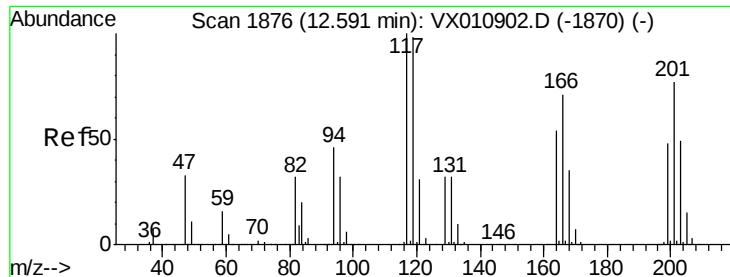
Tot Ion:119 Resp: 123006
Ion Ratio Lower Upper
119 100
134 27.3 13.4 40.1
91 23.9 11.8 35.4



#89
n-Butylbenzene
Concen: 9.570 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011006.D
Acq: 19 Jul 2019 16:38

Tgt Ion: 91 Resp: 95882
Ion Ratio Lower Upper
91 100
92 30.6 26.2 78.5
134 115.2 13.8 41.3#





#90

Hexachloroethane

Concen: 11.119 ug/l

RT: 12.58 min Scan# 1875

Delta R.T. -0.01 min

Lab File: VX011006.D

Acq: 19 Jul 2019 16:38

Instrument :

MSVOA_X

ClientSampled :

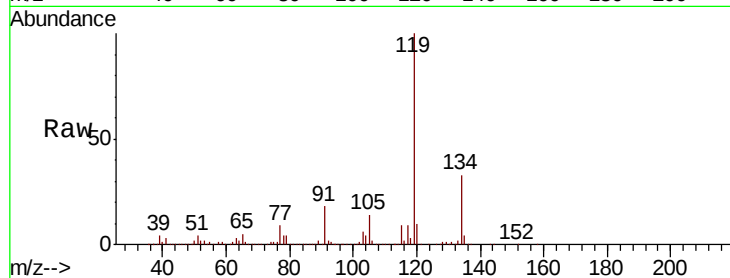
FL-0622

Tot Ion:117 Resp: 20539

Ion Ratio Lower Upper

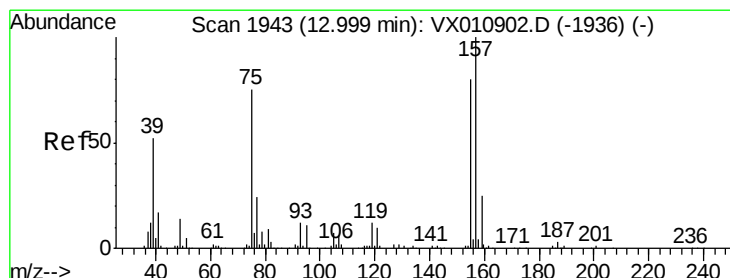
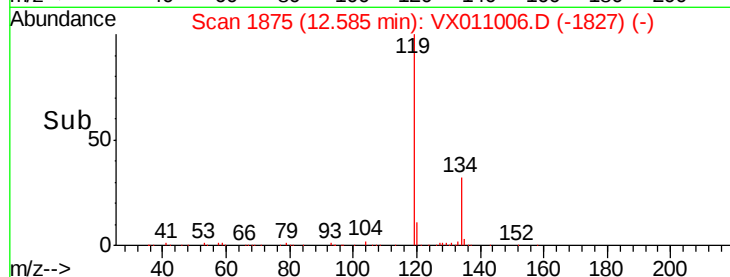
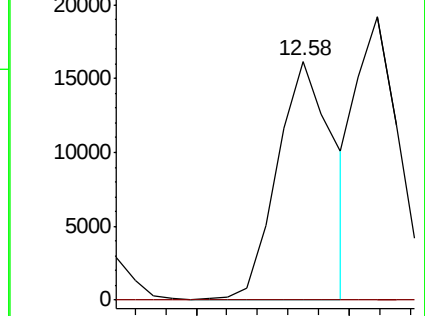
117 100

201 0.0 43.3 129.8#



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: 1.957 ug/l

RT: 13.02 min Scan# 1946

Delta R.T. 0.02 min

Lab File: VX011006.D

Acq: 19 Jul 2019 16:38

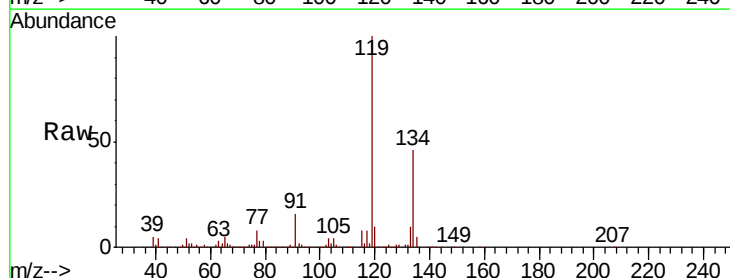
Tgt Ion: 75 Resp: 1763

Ion Ratio Lower Upper

75 100

155 0.0 48.7 146.1#

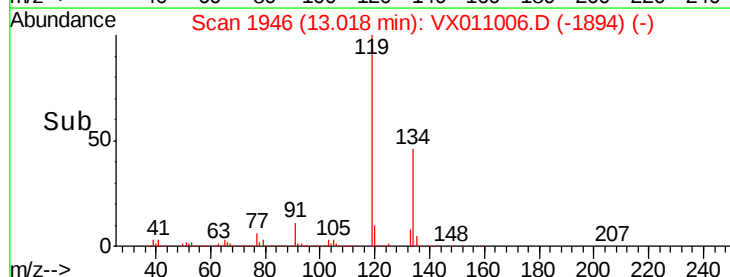
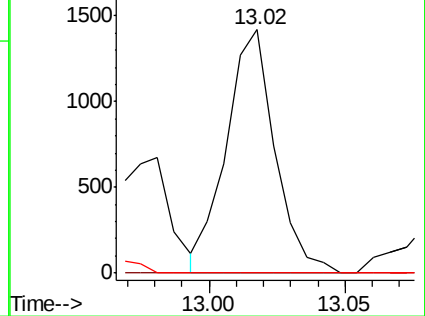
157 0.0 62.5 187.6#

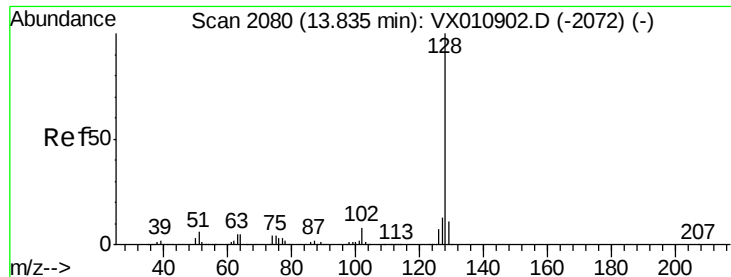


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95
Naphthalene
Concen: 52.111 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX011006.D
Acq: 19 Jul 2019 16:38

Instrument :
MSVOA_X
ClientSampleId :
FL-0622

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.2	8.9	13.3

