

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071819\
 Data File : VX010961.D
 Acq On : 18 Jul 2019 16:09
 Operator : JC/SP
 Sample : K3884-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0605

Quant Time: Jul 19 01:34:03 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	222447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	352538	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	333606	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	181492	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	116340	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	
35) Dibromofluoromethane	5.50	113	108050	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
50) Toluene-d8	8.71	98	429082	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
62) 4-Bromofluorobenzene	11.13	95	166179	53.87	ug/l	0.00
Spiked Amount			Recovery	=	107.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	67	0.574	ug/l #	43
3) Chloromethane	1.30	50	2429	1.187	ug/l #	76
5) Bromomethane	1.65	94	607	0.516	ug/l #	40
6) Chloroethane	1.67	64	647	0.488	ug/l #	41
10) Methyl Iodide	2.52	142	677	0.256	ug/l #	92
11) Tert butyl alcohol	3.03	59	2883	5.231	ug/l #	73
13) Acrolein	2.40	56	20685	64.960	ug/l #	78
14) Allyl chloride	2.85	41	54103	18.798	ug/l #	63
15) Acrylonitrile	3.17	53	15290	13.729	ug/l #	39
16) Acetone	2.40	43	55710	52.123	ug/l #	50
18) Methyl Acetate	2.85	43	135023	55.480	ug/l #	48
25) 2-Butanone	4.55	43	5034	3.281	ug/l #	46
26) 2,2-Dichloropropane	4.40	77	10902	3.767	ug/l #	50
30) Chloroform	5.29	83	1569	0.412	ug/l	89
31) Cyclohexane	5.59	56	1345796	418.839	ug/l	99
36) 1,1-Dichloropropene	5.66	75	14853	5.129	ug/l #	49
38) Carbon Tetrachloride	5.67	117	20980	6.953	ug/l #	17
39) Methylcyclohexane	7.46	83	710212	189.124	ug/l	99
40) Benzene	6.15	78	101153	11.403	ug/l	97
43) Isopropyl Acetate	6.45	43	7599	1.559	ug/l #	63
45) 1,2-Dichloropropane	7.46	63	7175	3.178	ug/l #	1
47) Bromodichloromethane	7.85	83	865	0.301	ug/l #	37
48) Methyl methacrylate	7.73	41	20106	8.465	ug/l #	51
49) 1,4-Dioxane	7.59	88	22	0.331	ug/l #	1
51) 4-Methyl-2-Pentanone	8.66	43	3747	1.186	ug/l #	52
52) Toluene	8.79	92	194700	33.412	ug/l	100
55) 1,1,2-Trichloroethane	9.16	97	27465	11.447	ug/l #	19
56) Ethyl methacrylate	9.16	69	5721	1.630	ug/l #	1
60) Dibromochloromethane	9.33	129	76	2.554	ug/l #	11
67) Ethyl Benzene	10.26	91	5199112	445.781	ug/l	98
68) m/p-Xylenes	10.37	106	5407402	1208.683	ug/l	93
69) o-Xylene	10.70	106	2652920	607.603	ug/l	99
70) Styrene	10.70	104	135286	18.587	ug/l #	1
73) Isopropylbenzene	11.02	105	375632	30.630	ug/l	100

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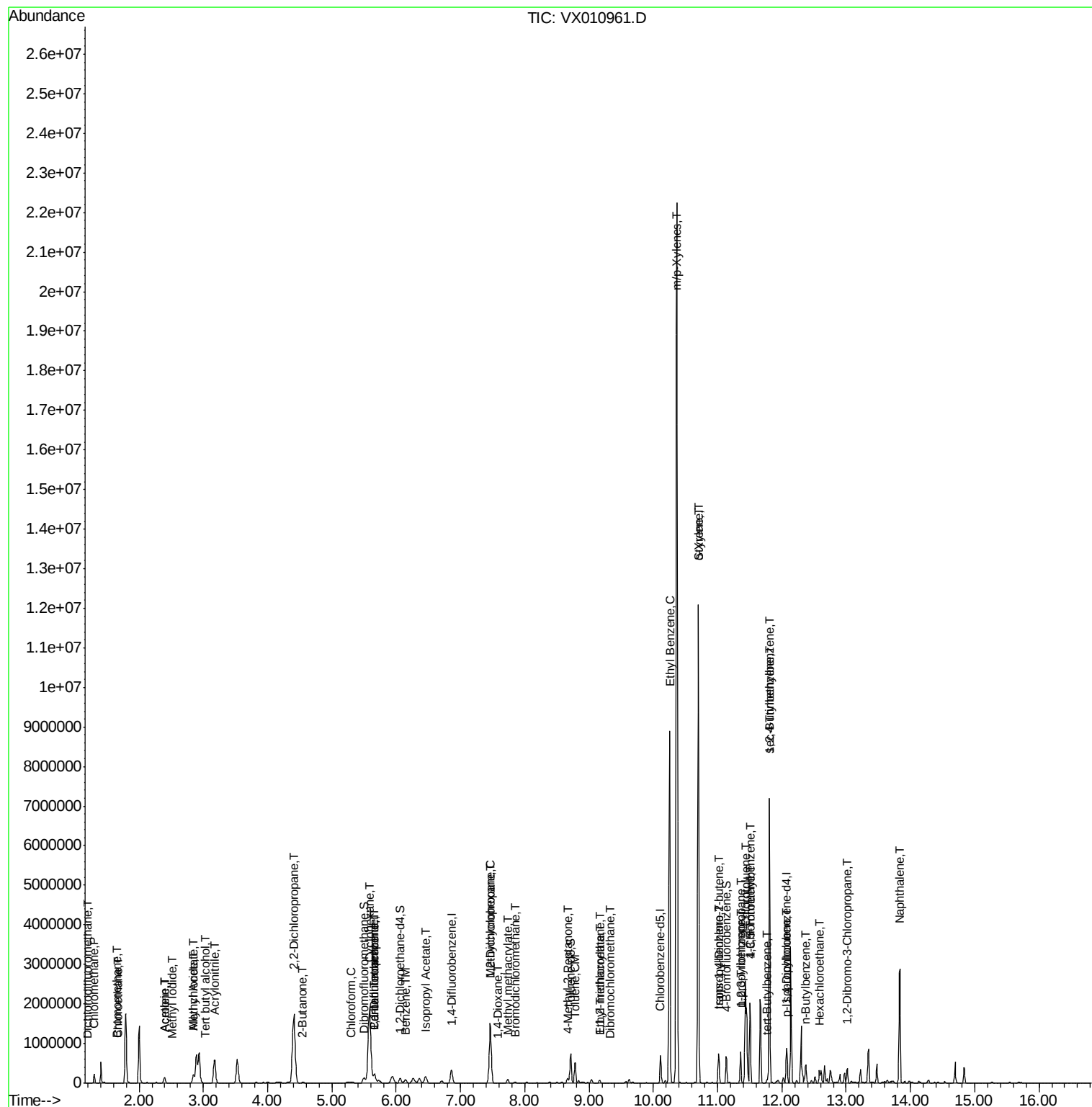
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
76) 1,2,3-Trichloropropane	11.36	75	3121	0.953	ug/l #		1
78) n-propylbenzene	11.36	91	475812	35.115	ug/l		99
79) 2-Chlorotoluene	11.43	91	249360	30.635	ug/l #		39
80) 1,3,5-Trimethylbenzene	11.51	105	834300	81.417	ug/l		100
81) trans-1,4-Dichloro-2-buten	11.02	75	4610	7.262	ug/l #		64
82) 4-Chlorotoluene	11.51	91	90595	9.563	ug/l #		43
83) tert-Butylbenzene	11.77	119	28165	2.798	ug/l		89
84) 1,2,4-Trimethylbenzene	11.80	105	3236748	313.388	ug/l		99
85) sec-Butylbenzene	11.80	105	3236748	274.439	ug/l #		55
86) p-Isopropyltoluene	12.06	119	44513	4.082	ug/l		98
89) n-Butylbenzene	12.38	91	69760	7.478	ug/l #		23
90) Hexachloroethane	12.58	117	14057	8.174	ug/l #		6
92) 1,2-Dibromo-3-Chloropropan	13.02	75	1208	1.440	ug/l #		1
95) Naphthalene	13.83	128	1860633	159.806	ug/l		100

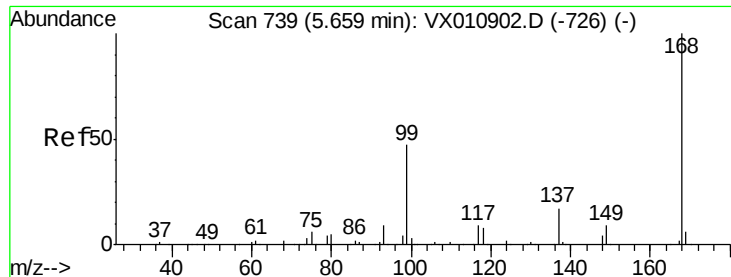
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX010961.D

Acq: 18 Jul 2019 16:09

Instrument :

MSVOA_X

ClientSampled :

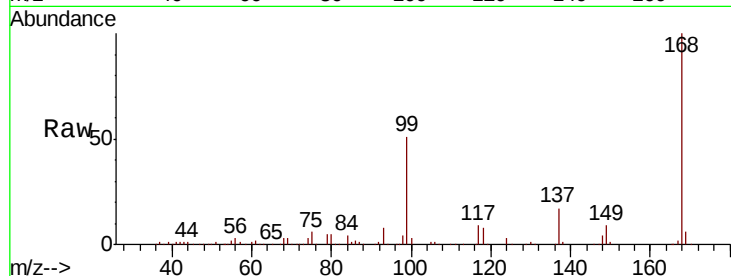
FL-0605

Tot Ion:168 Resp: 222447

Ion Ratio Lower Upper

168 100

99 50.7 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

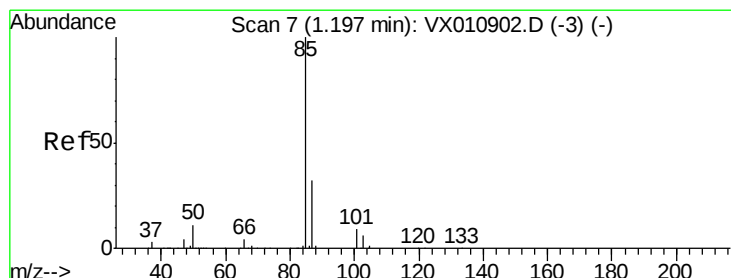
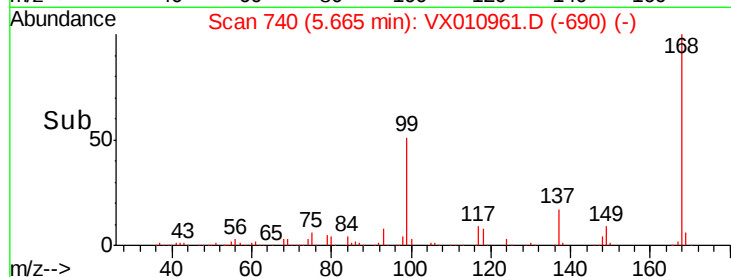
20000

0

5.60

5.70

Time-->



#2

Dichlorodifluoromethane

Concen: 0.574 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010961.D

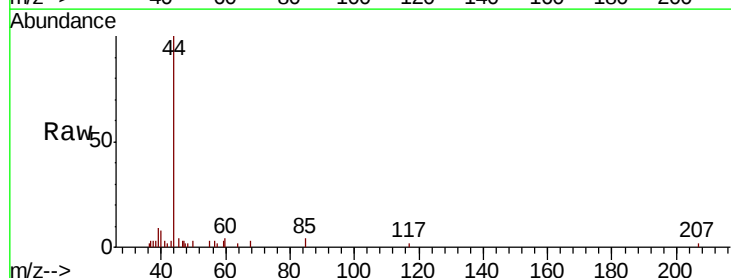
Acq: 18 Jul 2019 16:09

Tgt Ion: 85 Resp: 67

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

100

50

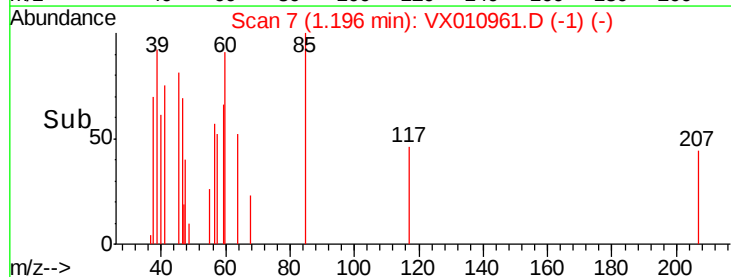
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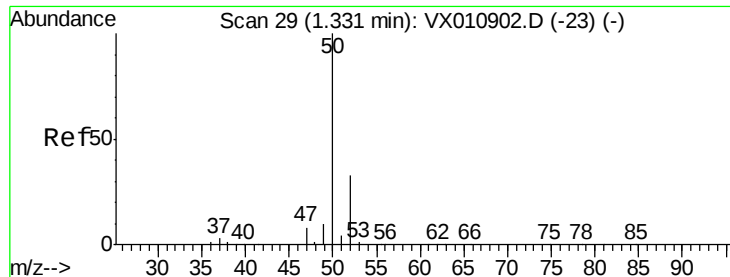
1.18

1.20

1.22

Time-->





#3

Chloromethane

Concen: 1.187 ug/l

RT: 1.30 min Scan# 24

Delta R.T. -0.03 min

Lab File: VX010961.D

Acq: 18 Jul 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

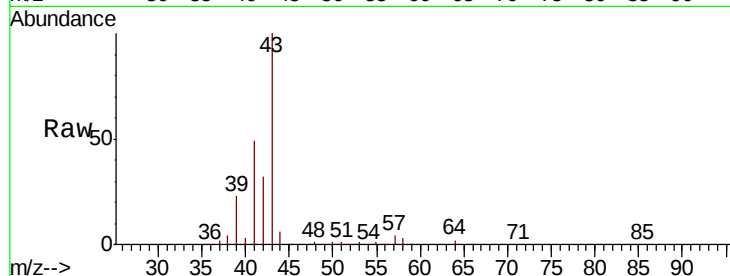
FL-0605

Tot Ion: 50 Resp: 2429

Ion Ratio Lower Upper

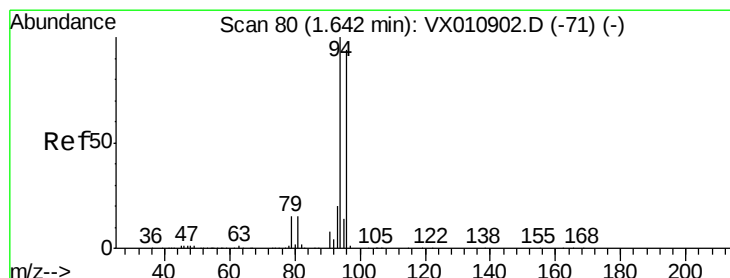
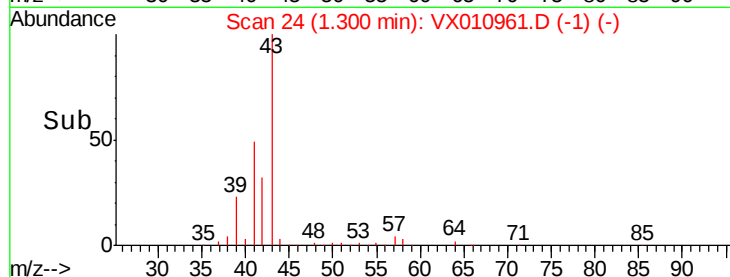
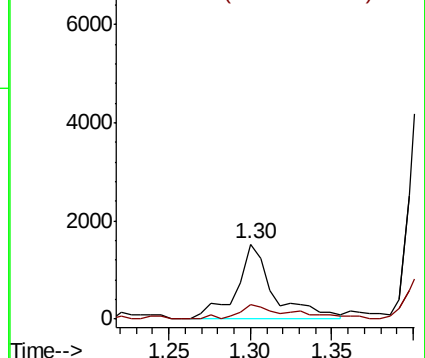
50 100

52 19.3 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: 0.516 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010961.D

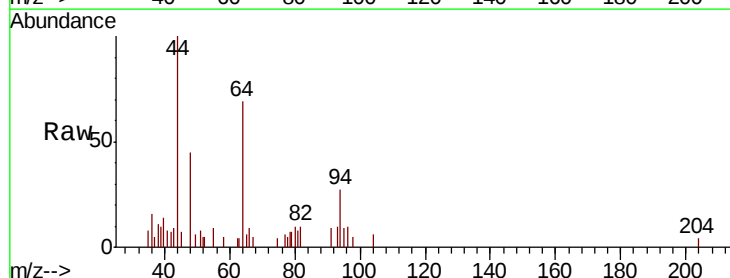
Acq: 18 Jul 2019 16:09

Tgt Ion: 94 Resp: 607

Ion Ratio Lower Upper

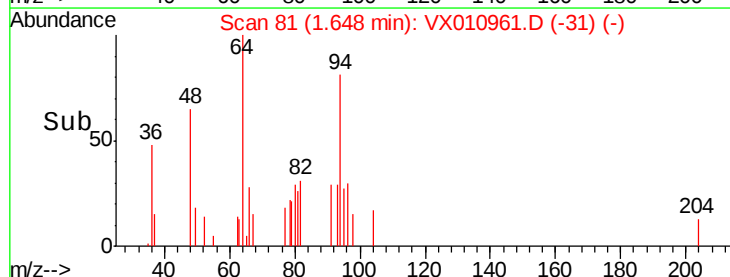
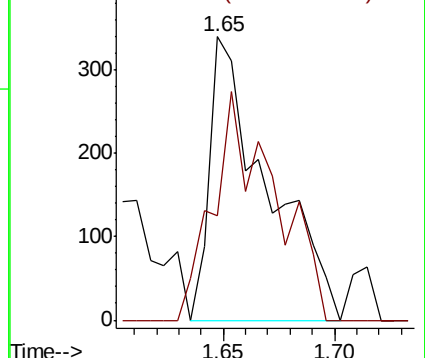
94 100

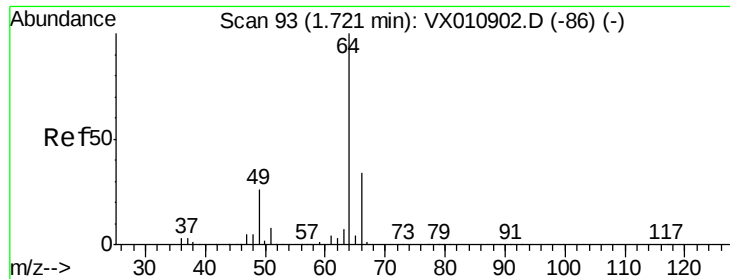
96 36.9 75.6 113.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.488 ug/l

RT: 1.67 min Scan# 85

Delta R.T. -0.05 min

Lab File: VX010961.D

Acq: 18 Jul 2019 16:09

Instrument :

MSVOA_X

ClientSampled :

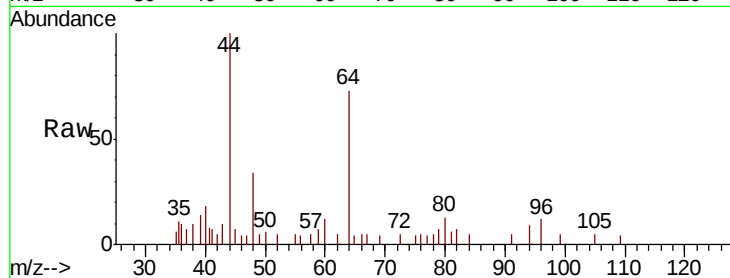
FL-0605

Tot Ion: 64 Resp: 647

Ion Ratio Lower Upper

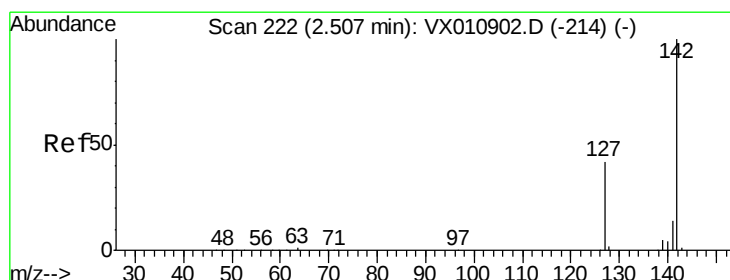
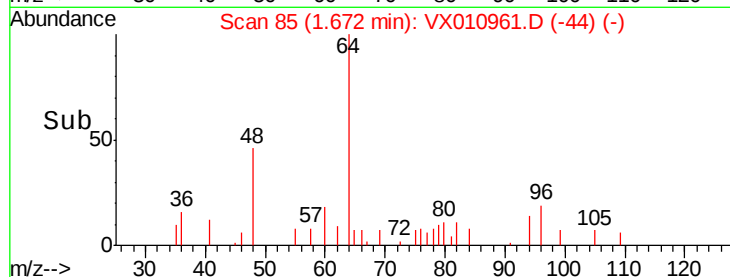
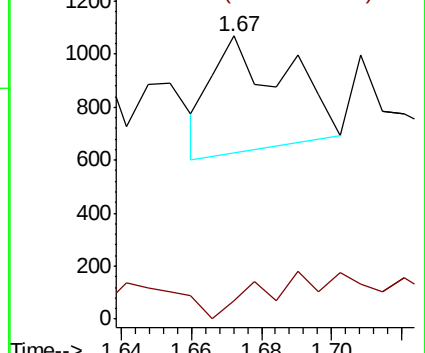
64 100

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



#10

Methyl Iodide

Concen: 0.256 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX010961.D

Acq: 18 Jul 2019 16:09

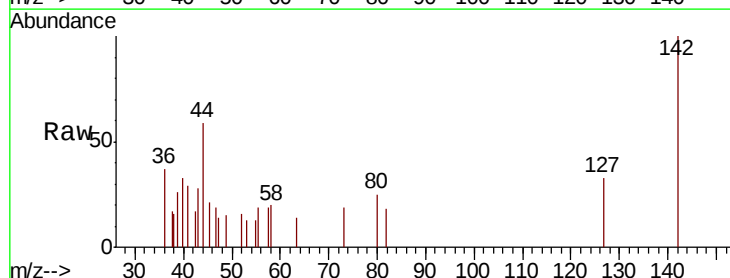
Tgt Ion:142 Resp: 677

Ion Ratio Lower Upper

142 100

127 41.4 34.2 51.4

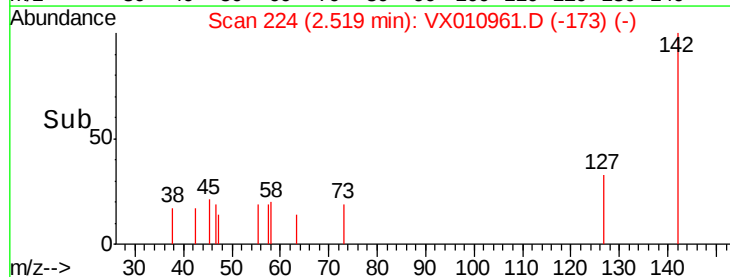
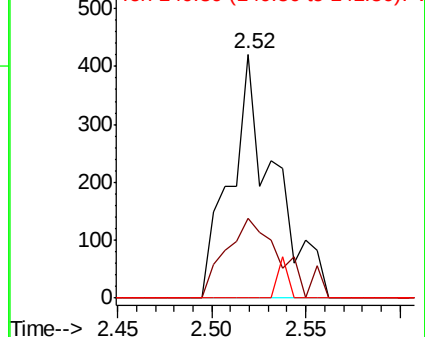
141 3.8 11.7 17.5#

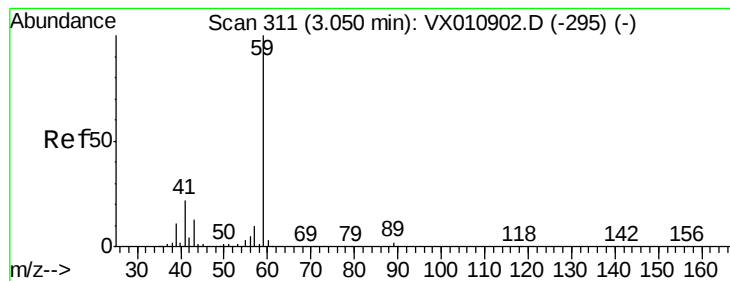


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



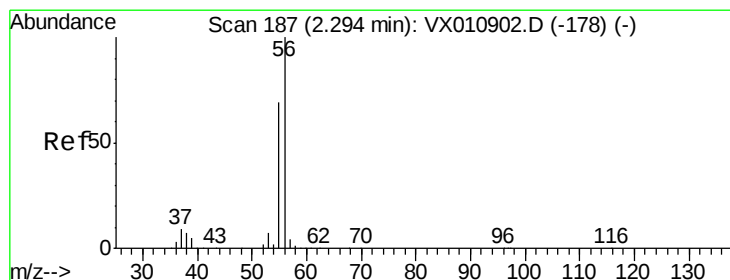
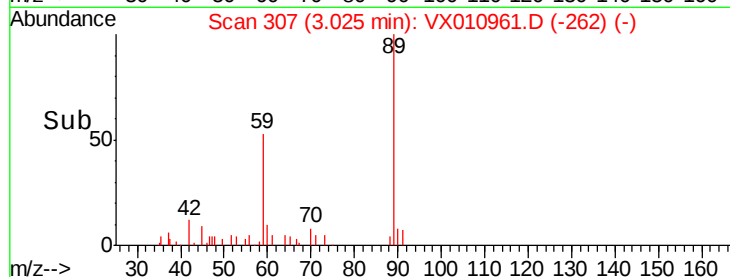
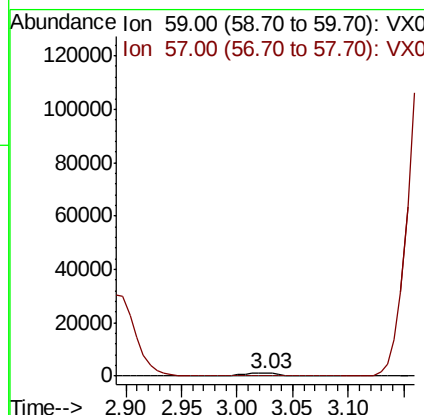
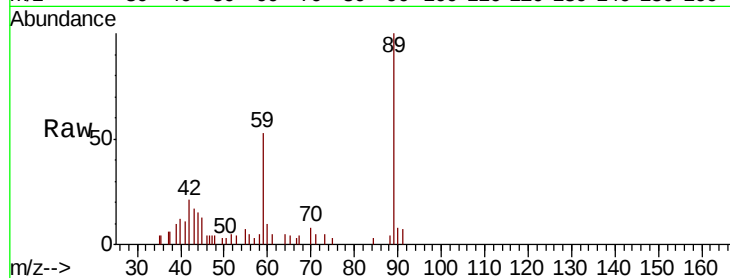


#11

Tert butyl alcohol
 Concen: 5.231 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.02 min
 Lab File: VX010961.D
 Acq: 18 Jul 2019 16:09

Instrument :
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 ClientSampleId :
 FL-0605

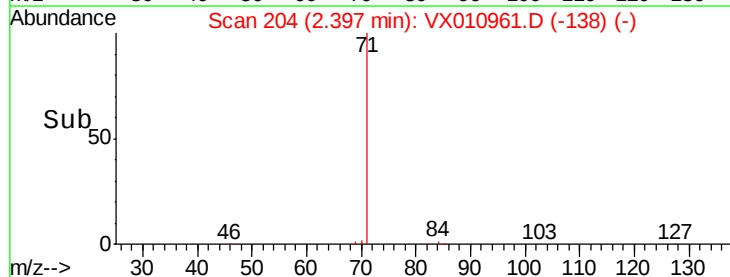
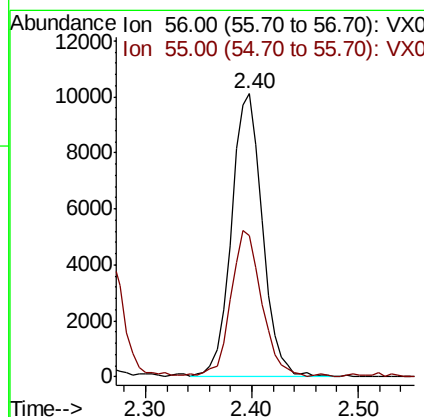
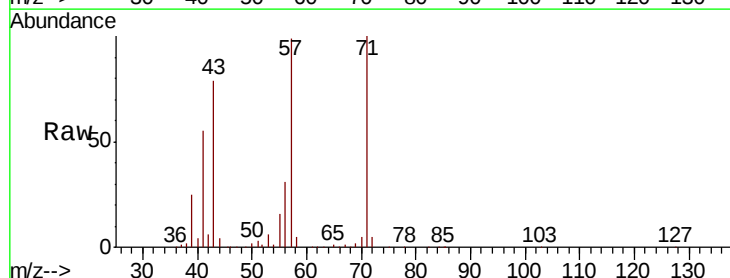
Tot Ion: 59 Resp: 2883
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

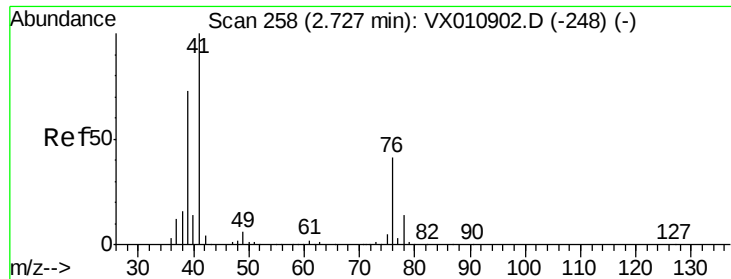


#13

Acrolein
 Concen: 64.960 ug/l
 RT: 2.40 min Scan# 204
 Delta R.T. 0.10 min
 Lab File: VX010961.D
 Acq: 18 Jul 2019 16:09

Tgt Ion: 56 Resp: 20685
 Ion Ratio Lower Upper
 56 100
 55 51.7 55.9 83.9#





#14

Allvl chloride

Concen: 18.798 ug/l

RT: 2.85 min Scan# 278

Delta R.T. 0.12 min

Lab File: VX010961.D

Acq: 18 Jul 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

FL-0605

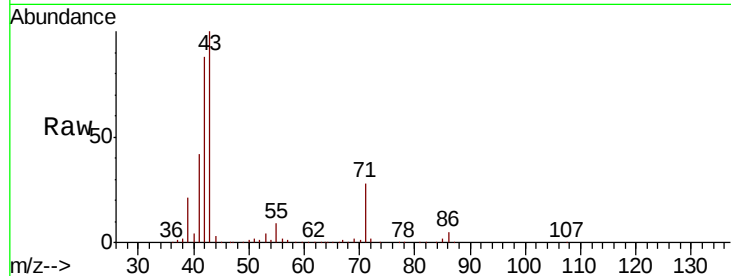
Tot Ion: 41 Resp: 54103

Ion Ratio Lower Upper

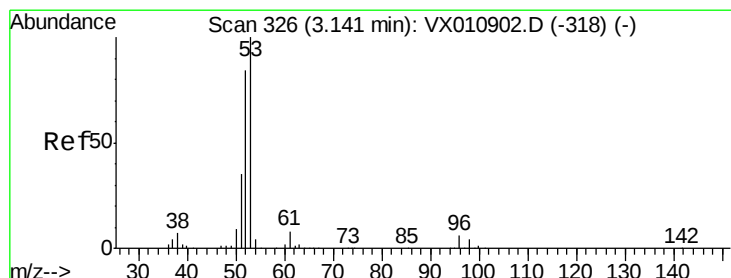
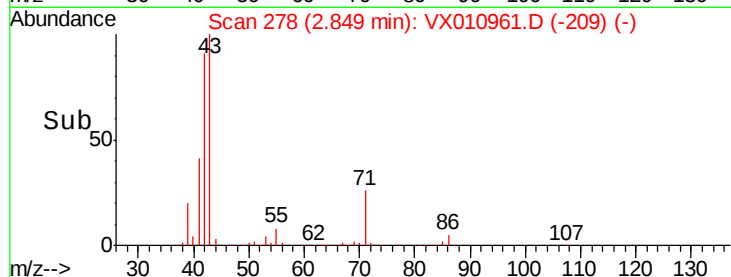
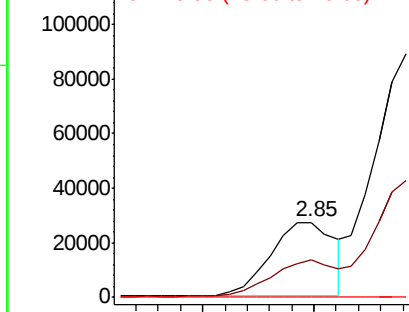
41 100

39 48.4 53.6 80.4#

76 0.0 29.7 44.5#



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 75.90 (75.60 to 76.60): VX0



#15

Acrylonitrile

Concen: 13.729 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.03 min

Lab File: VX010961.D

Acq: 18 Jul 2019 16:09

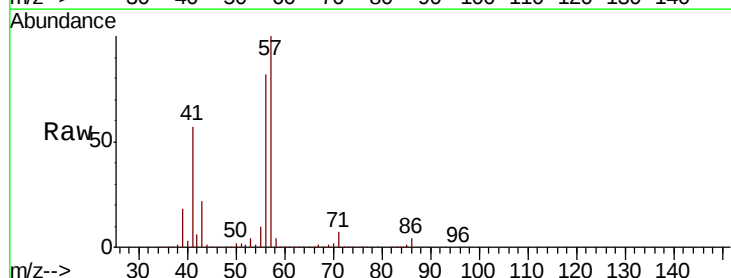
Tgt Ion: 53 Resp: 15290

Ion Ratio Lower Upper

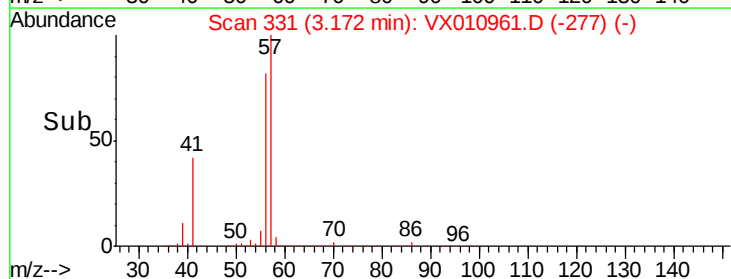
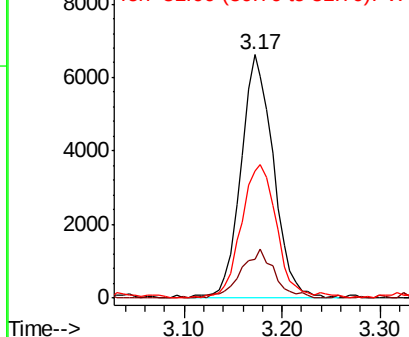
53 100

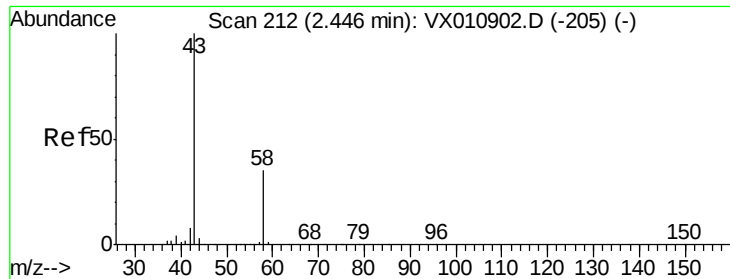
52 20.7 66.5 99.7#

51 59.6 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: 52.123 ug/l

RT: 2.40 min Scan# 204

Delta R.T. -0.05 min

Lab File: VX010961.D

Acq: 18 Jul 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

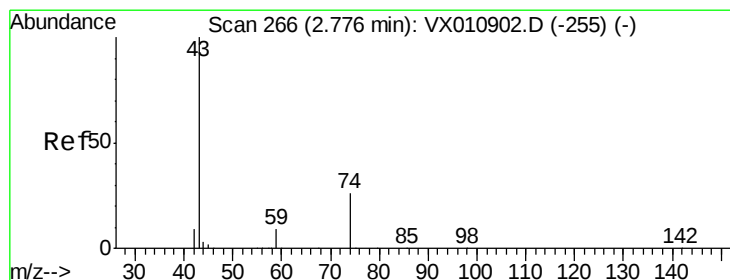
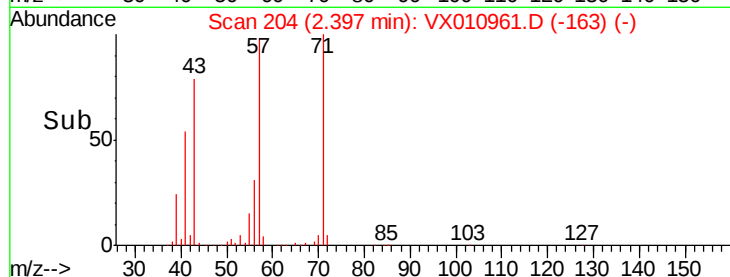
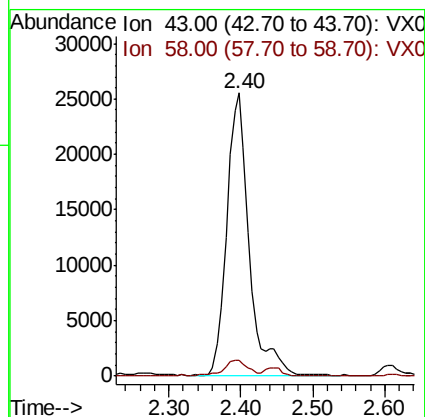
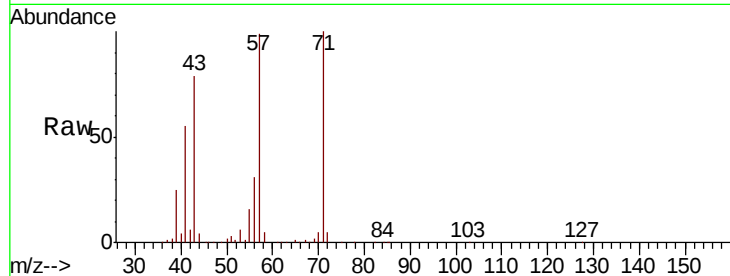
FL-0605

Tot Ion: 43 Resp: 55710

Ion Ratio Lower Upper

43 100

58 5.7 27.7 41.5#



#18

Methyl Acetate

Concen: 55.480 ug/l

RT: 2.85 min Scan# 278

Delta R.T. 0.07 min

Lab File: VX010961.D

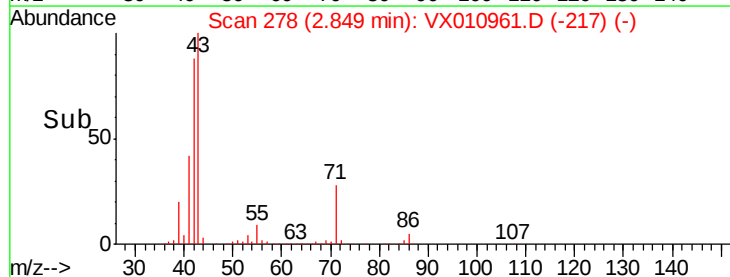
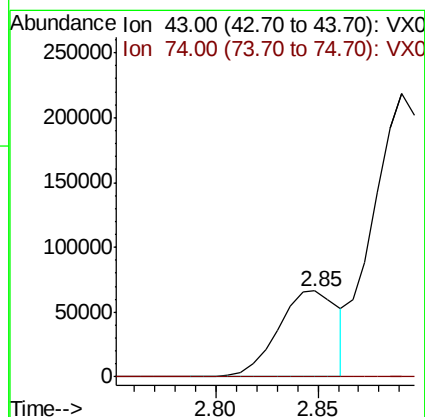
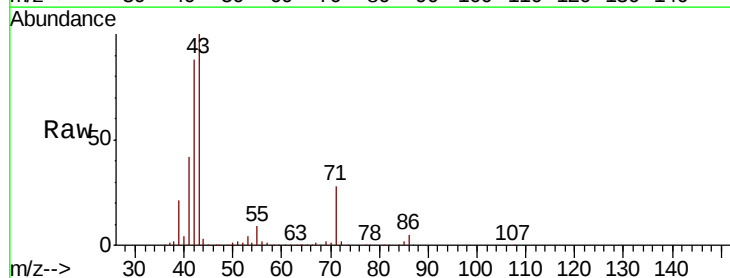
Acq: 18 Jul 2019 16:09

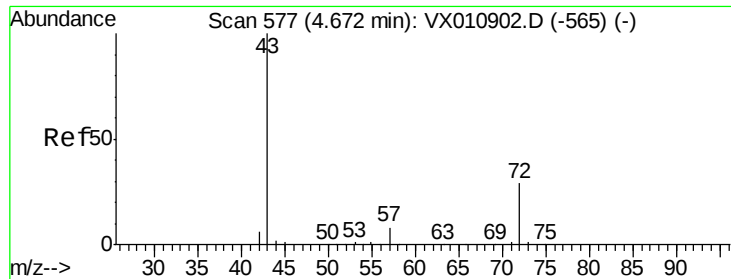
Tgt Ion: 43 Resp: 135023

Ion Ratio Lower Upper

43 100

74 0.1 21.5 32.3#





#25

2-Butanone

Concen: 3.281 ug/l

RT: 4.55 min Scan# 557

Delta R.T. -0.12 min

Lab File: VX010961.D

Acq: 18 Jul 2019 16:09

Instrument :

MSVOA_X

ClientSampled :

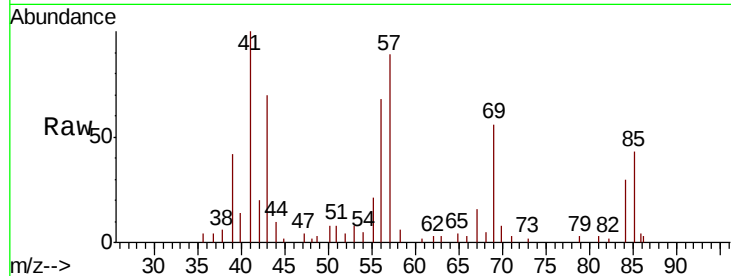
FL-0605

Tot Ion: 43 Resp: 5034

Ion Ratio Lower Upper

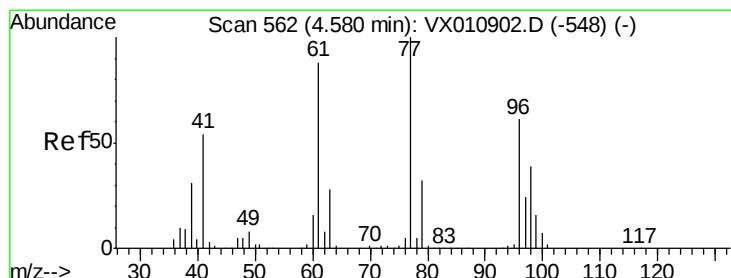
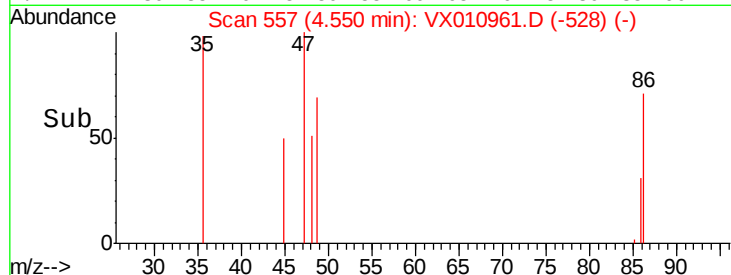
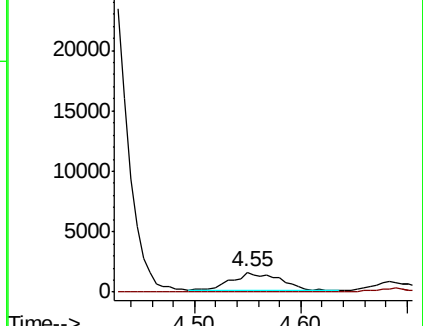
43 100

72 0.0 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 3.767 ug/l

RT: 4.40 min Scan# 533

Delta R.T. -0.18 min

Lab File: VX010961.D

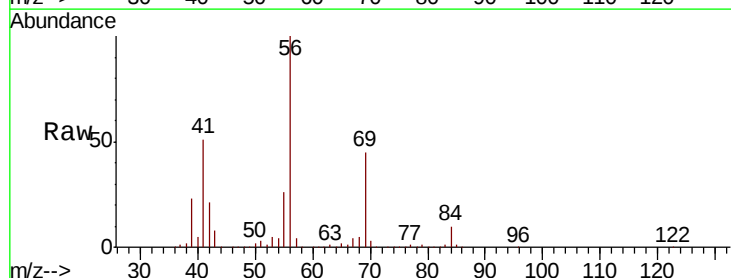
Acq: 18 Jul 2019 16:09

Tgt Ion: 77 Resp: 10902

Ion Ratio Lower Upper

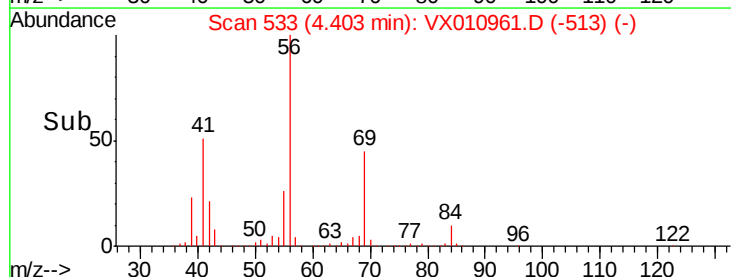
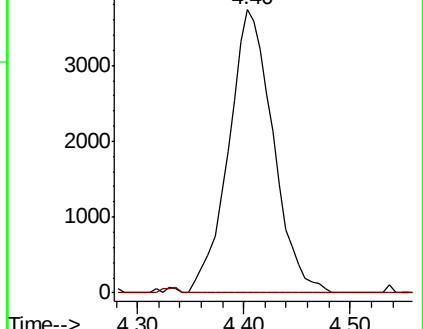
77 100

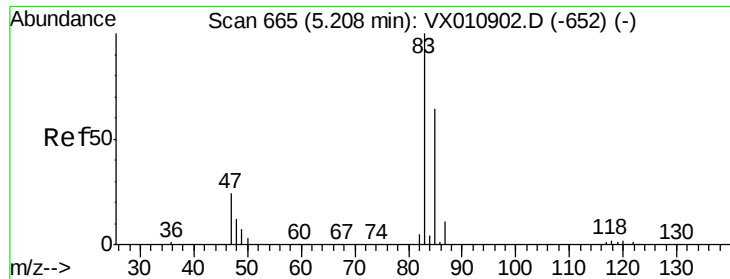
97 0.0 12.6 37.6#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

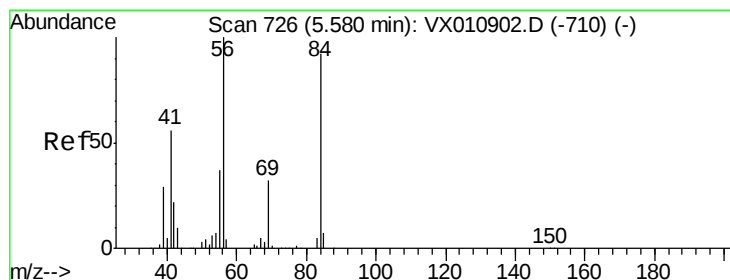
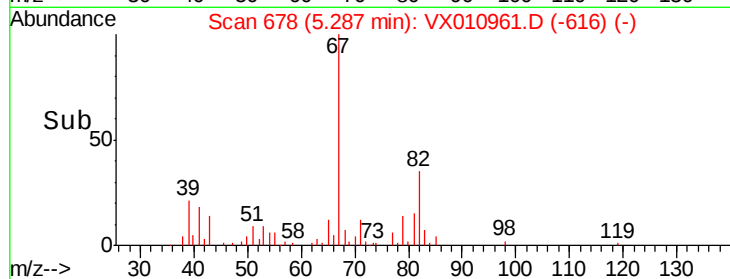
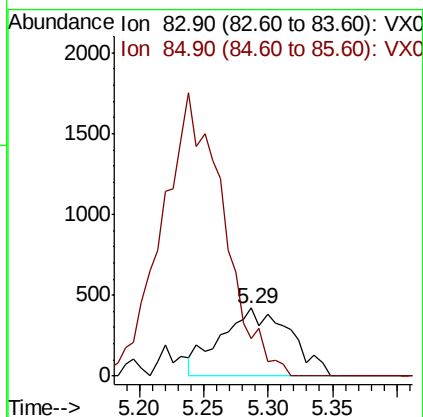
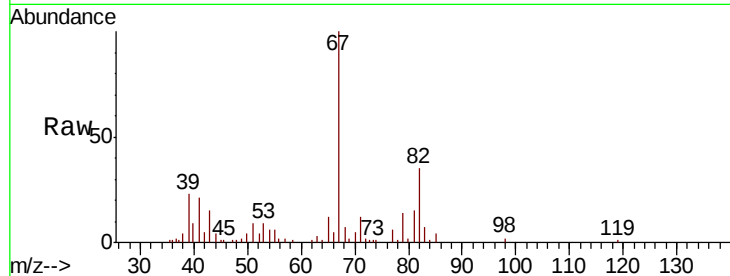




#30
Chloroform
Concen: 0.412 ug/l
RT: 5.29 min Scan# 678
Delta R.T. 0.08 min
Lab File: VX010961.D
Acq: 18 Jul 2019 16:09

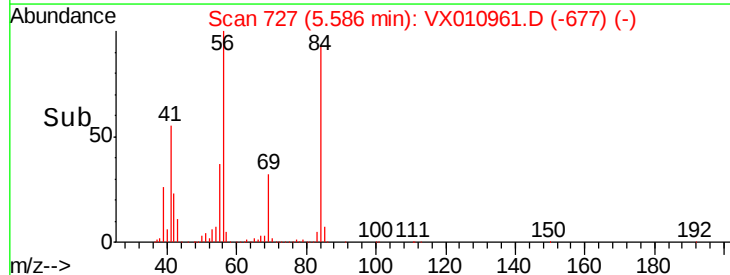
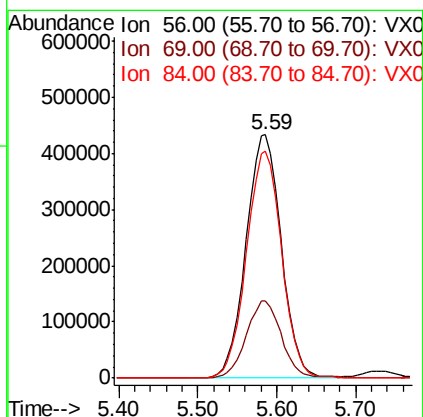
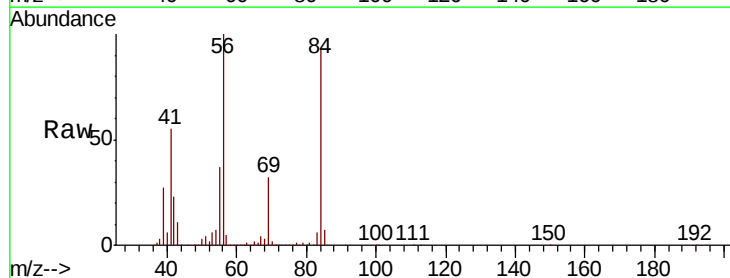
Instrument :
MSVOA_X
ClientSampleId :
FL-0605

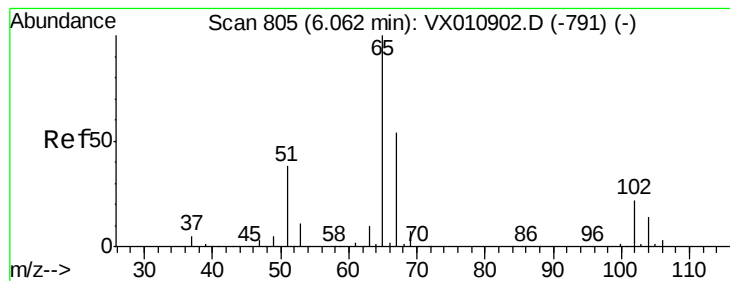
Tot Ion: 83 Resp: 1569
Ion Ratio Lower Upper
83 100
85 55.7 51.4 77.0



#31
Cyclohexane
Concen: 418.839 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX010961.D
Acq: 18 Jul 2019 16:09

Tgt Ion: 56 Resp: 1345796
Ion Ratio Lower Upper
56 100
69 31.9 25.8 38.8
84 93.2 73.8 110.6





#33

1,2-Dichloroethane-d4

Concen: 49.161 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX010961.D

Acq: 18 Jul 2019 16:09

Instrument :

MSVOA_X

ClientSampled :

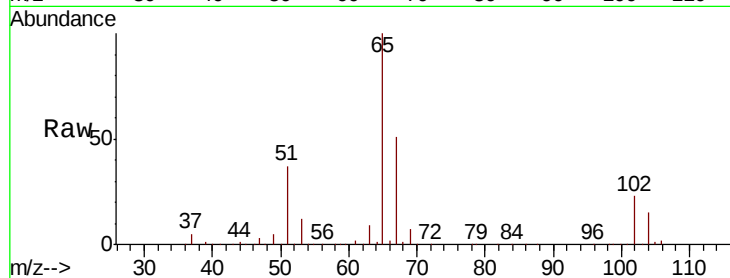
FL-0605

Tot Ion: 65 Resp: 116340

Ion Ratio Lower Upper

65 100

67 53.9 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

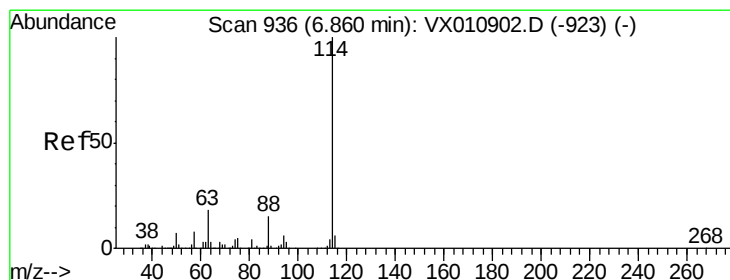
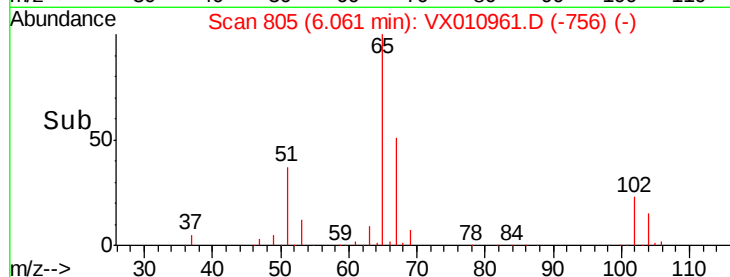
20000

10000

0

Time-->

6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010961.D

Acq: 18 Jul 2019 16:09

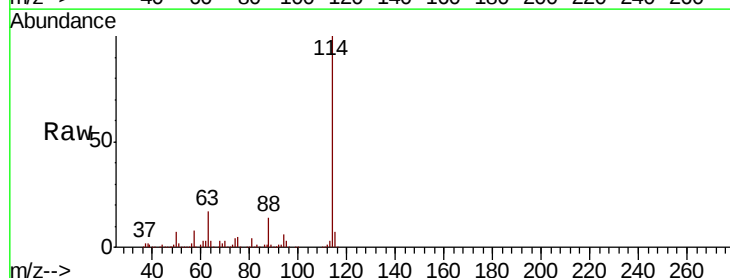
Tgt Ion: 114 Resp: 352538

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.6

88 14.2 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

200000

150000

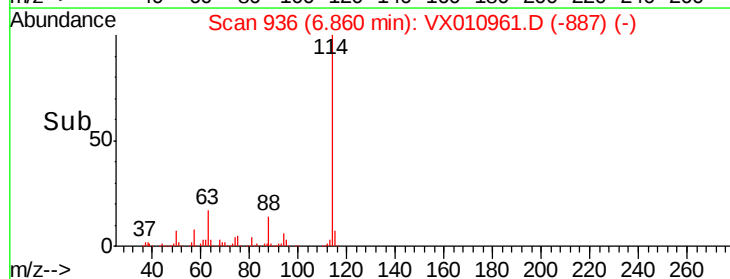
100000

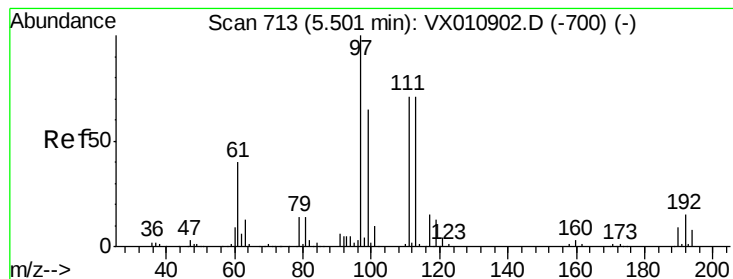
50000

0

Time-->

6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 48.288 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010961.D

Acq: 18 Jul 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

FL-0605

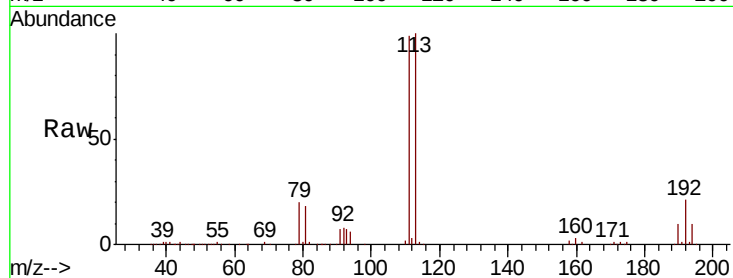
Tot Ion:113 Resp: 108050

Ion Ratio Lower Upper

113 100

111 101.7 82.3 123.5

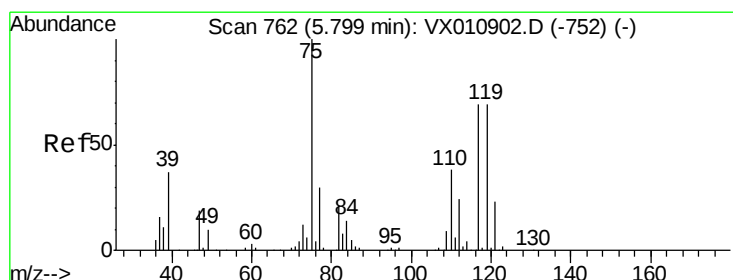
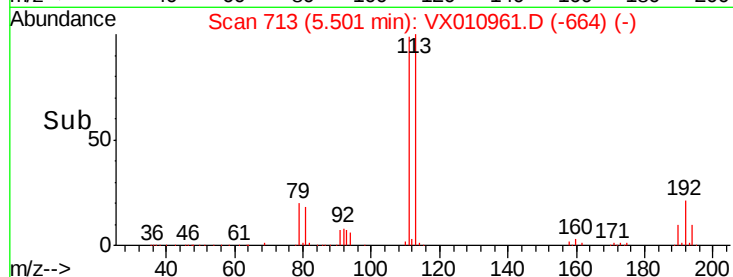
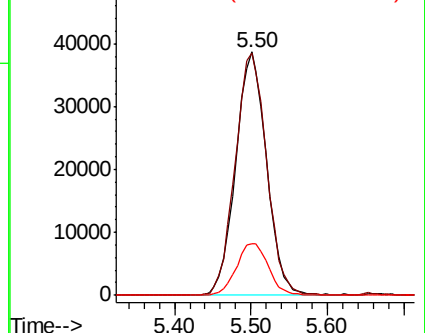
192 22.2 17.4 26.2



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: 5.129 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010961.D

Acq: 18 Jul 2019 16:09

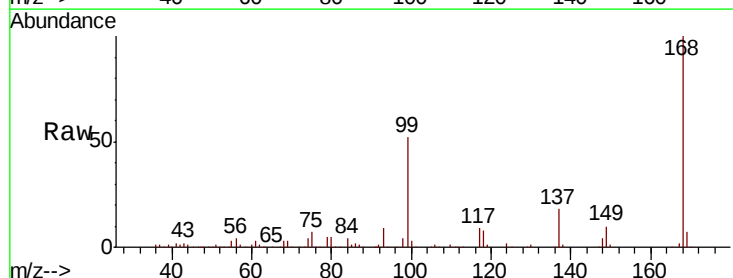
Tgt Ion: 75 Resp: 14853

Ion Ratio Lower Upper

75 100

110 10.9 19.9 59.7#

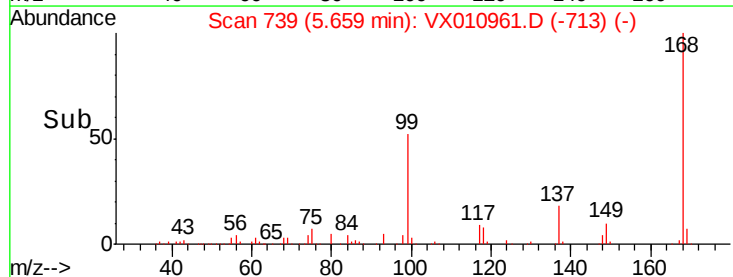
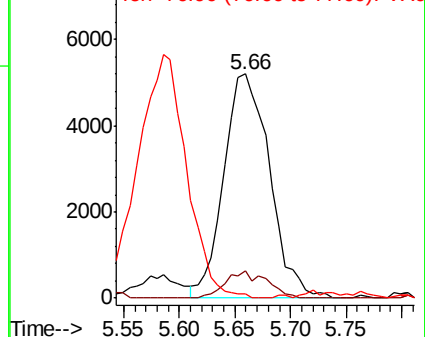
77 0.0 25.0 37.4#

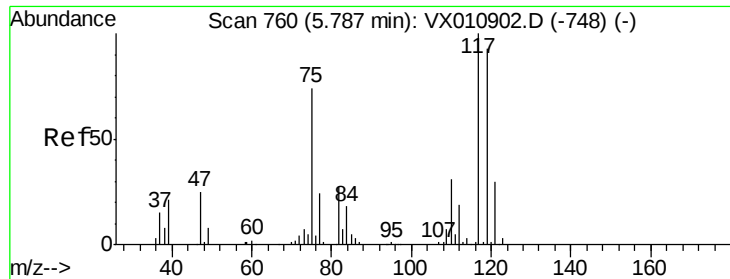


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.953 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010961.D

Acq: 18 Jul 2019 16:09

Instrument :

MSVOA_X

ClientSampled :

FL-0605

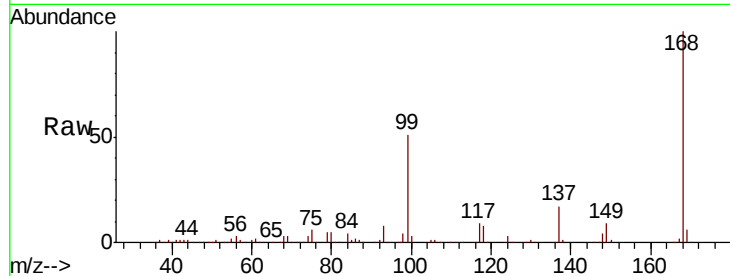
Tot Ion:117 Resp: 20980

Ion Ratio Lower Upper

117 100

119 5.1 74.2 111.2#

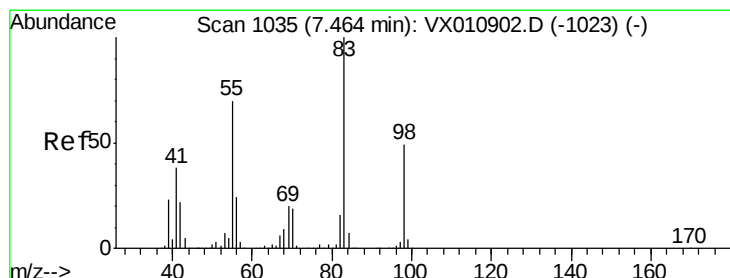
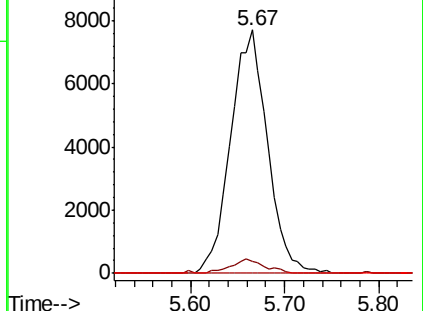
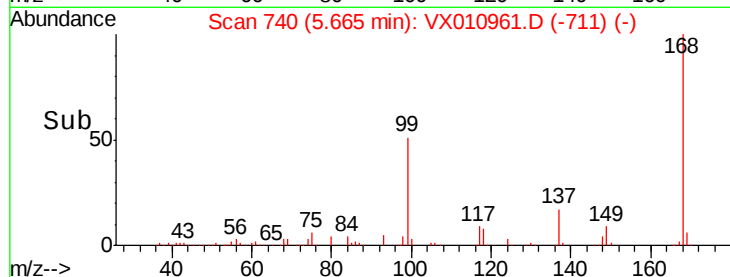
121 0.0 24.2 36.2#



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: 189.124 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX010961.D

Acq: 18 Jul 2019 16:09

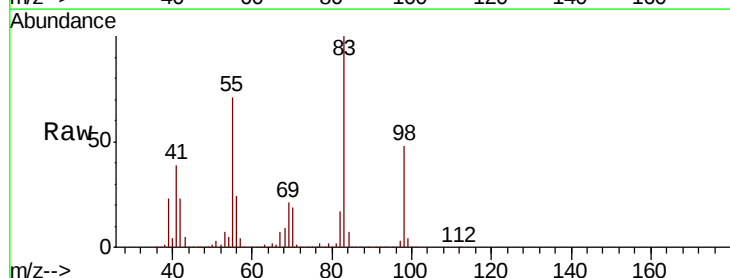
Tgt Ion: 83 Resp: 710212

Ion Ratio Lower Upper

83 100

55 71.4 56.2 84.4

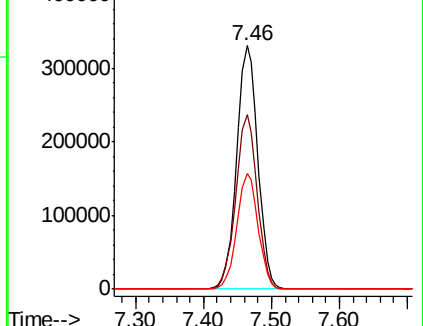
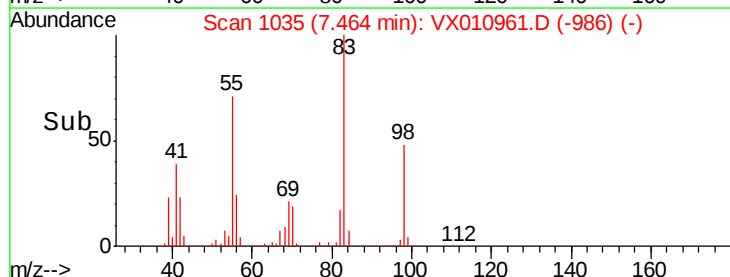
98 47.7 39.0 58.4

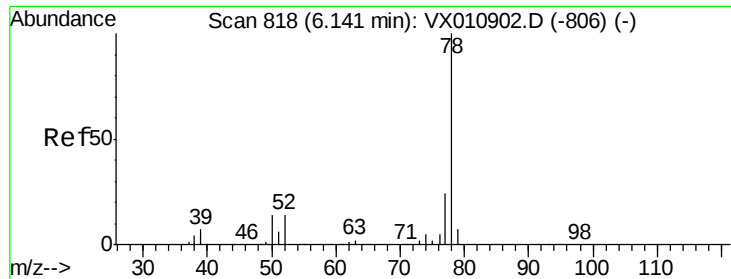


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 11.403 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX010961.D

Acq: 18 Jul 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

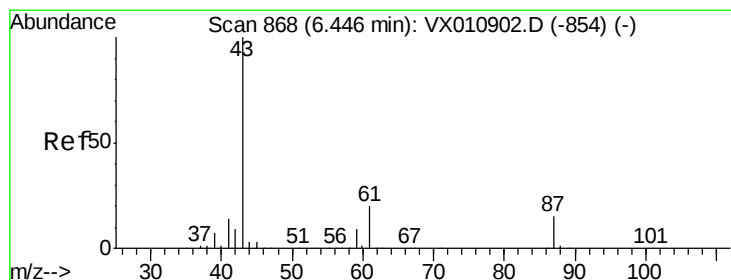
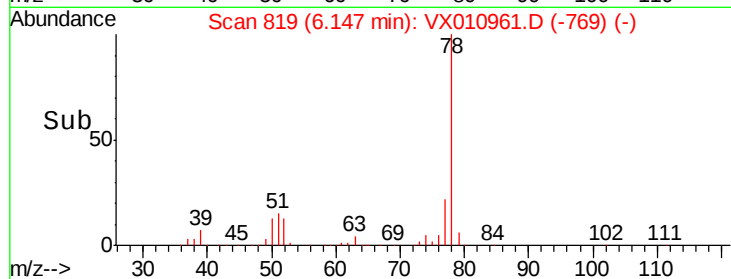
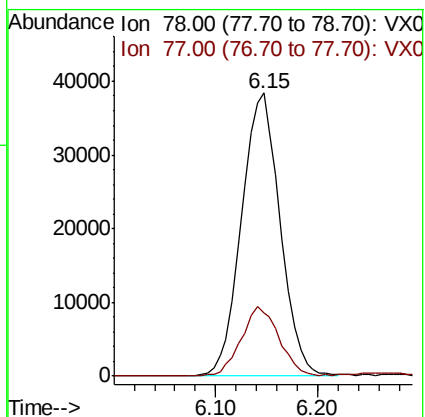
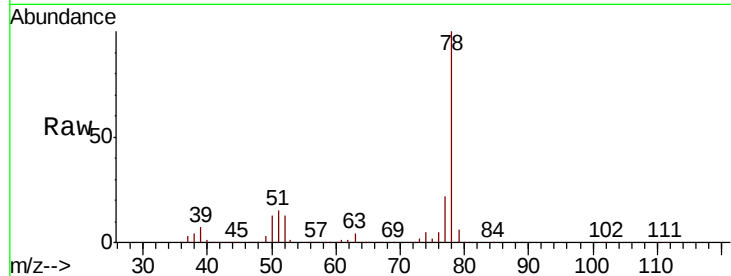
FL-0605

Tot Ion: 78 Resp: 101153

Ion Ratio Lower Upper

78 100

77 22.4 19.0 28.6



#43

Isopropyl Acetate

Concen: 1.559 ug/l

RT: 6.45 min Scan# 869

Delta R.T. 0.01 min

Lab File: VX010961.D

Acq: 18 Jul 2019 16:09

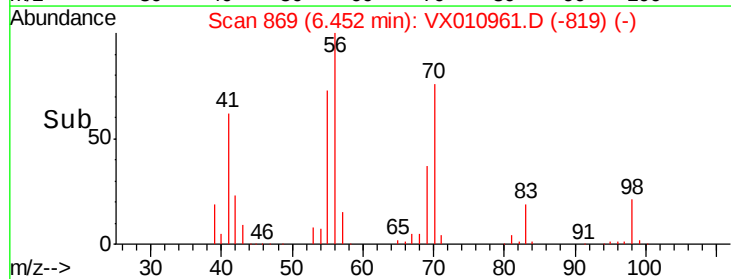
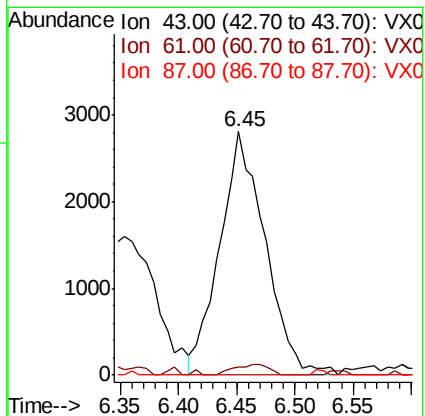
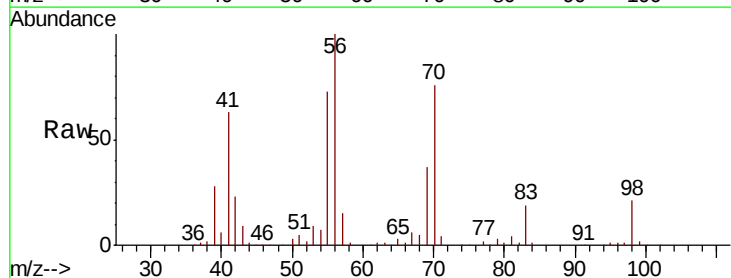
Tgt Ion: 43 Resp: 7599

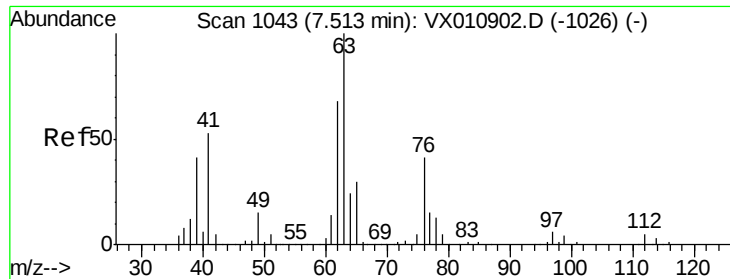
Ion Ratio Lower Upper

43 100

61 3.4 17.1 25.7#

87 0.0 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 3.178 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.05 min

Lab File: VX010961.D

Acq: 18 Jul 2019 16:09

Instrument :

MSVOA_X

ClientSampled :

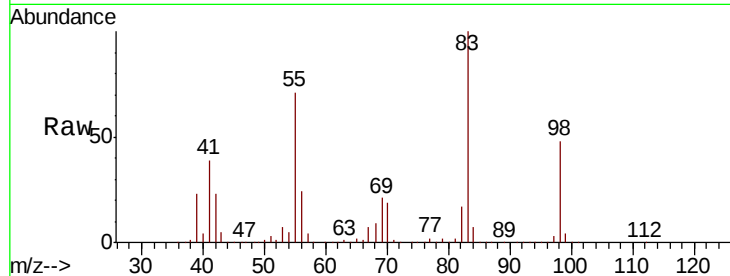
FL-0605

Tot Ion: 63 Resp: 7175

Ion Ratio Lower Upper

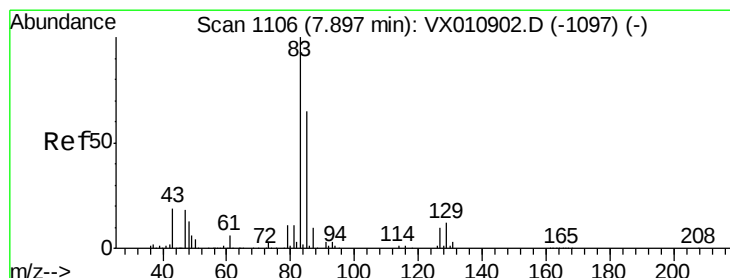
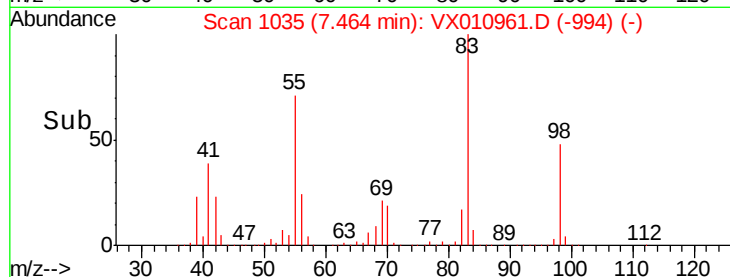
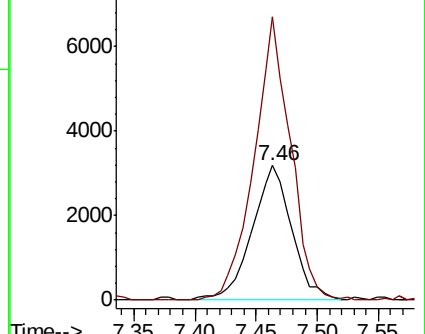
63 100

65 210.6 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: 0.301 ug/l

RT: 7.85 min Scan# 1098

Delta R.T. -0.05 min

Lab File: VX010961.D

Acq: 18 Jul 2019 16:09

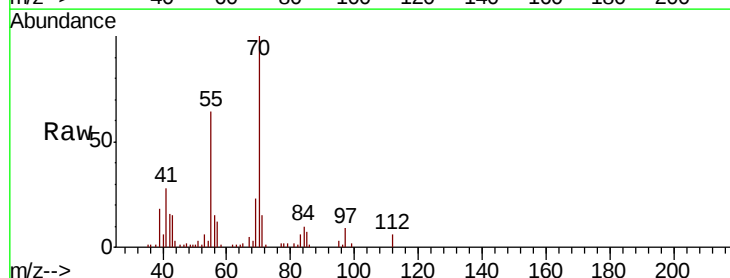
Tgt Ion: 83 Resp: 865

Ion Ratio Lower Upper

83 100

85 120.2 52.5 78.7#

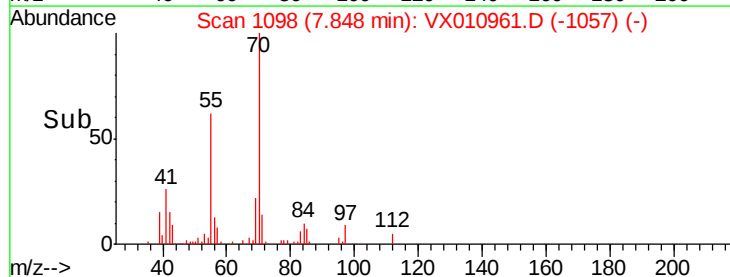
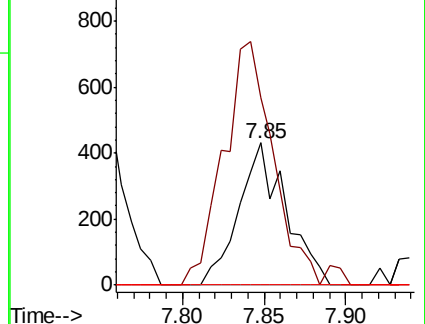
127 0.0 7.8 11.8#

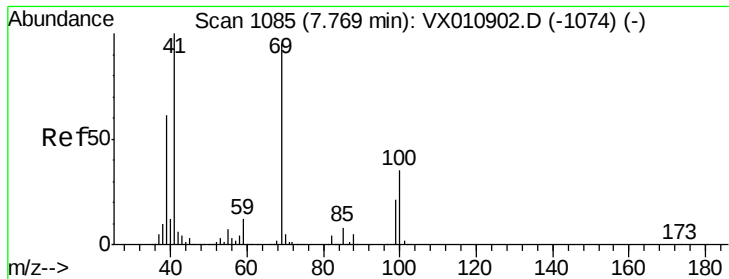


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V





#48

Methyl methacrylate

Concen: 8.465 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.04 min

Lab File: VX010961.D

Acq: 18 Jul 2019 16:09

Instrument :

MSVOA_X

ClientSampled :

FL-0605

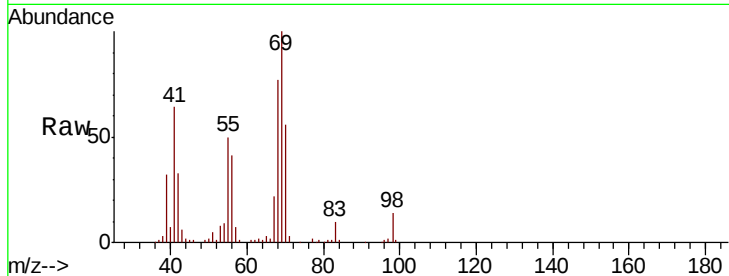
Tot Ion: 41 Resp: 20106

Ion Ratio Lower Upper

41 100

69 163.5 74.4 111.6#

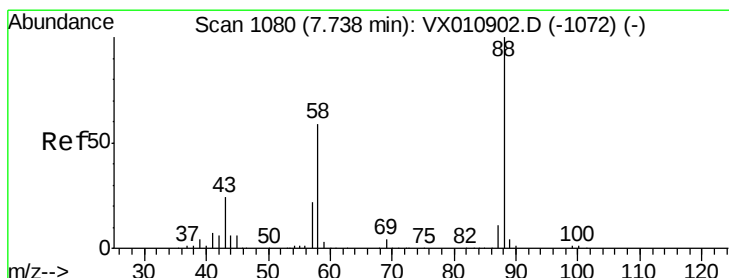
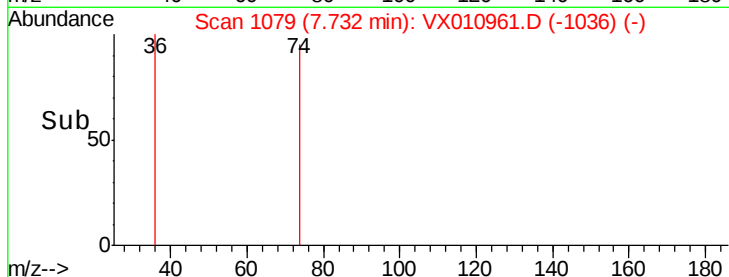
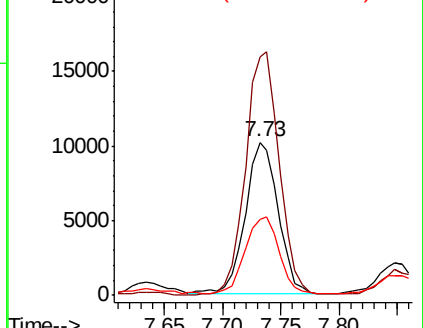
39 52.1 48.9 73.3



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



#49

1,4-Dioxane

Concen: 0.331 ug/l

RT: 7.59 min Scan# 1056

Delta R.T. -0.15 min

Lab File: VX010961.D

Acq: 18 Jul 2019 16:09

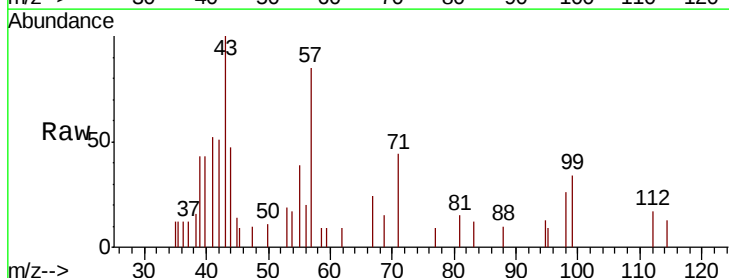
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 11854.5 22.9 34.3#

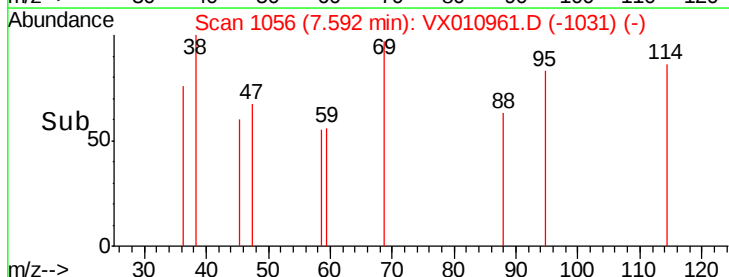
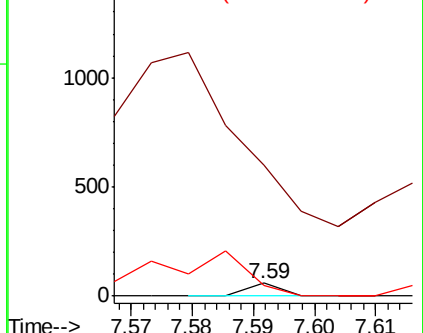
58 1754.5 49.8 74.8#

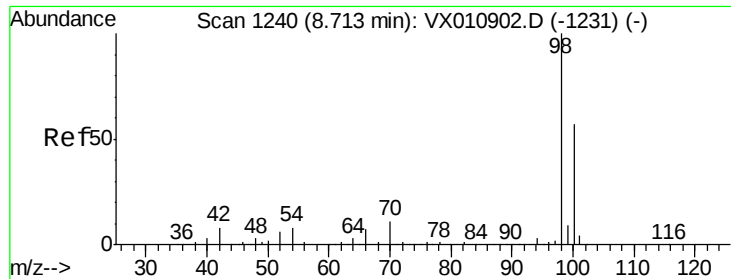


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.127 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX010961.D

Acq: 18 Jul 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

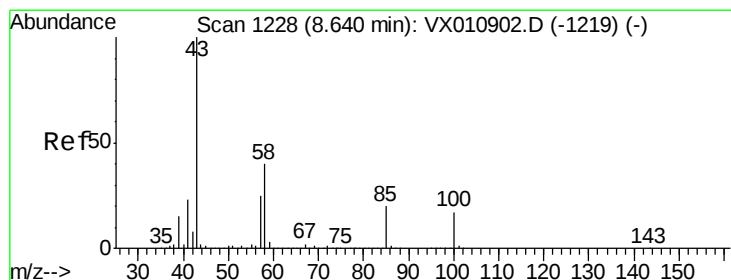
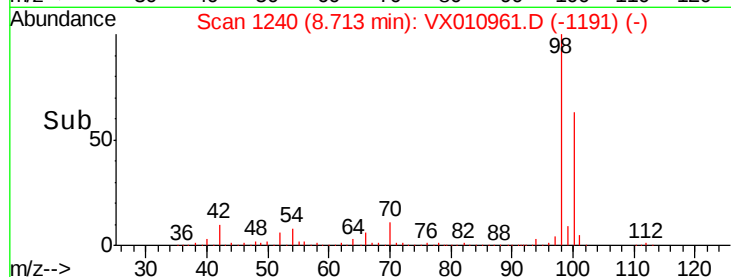
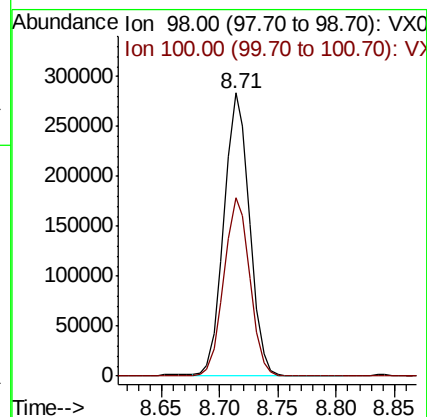
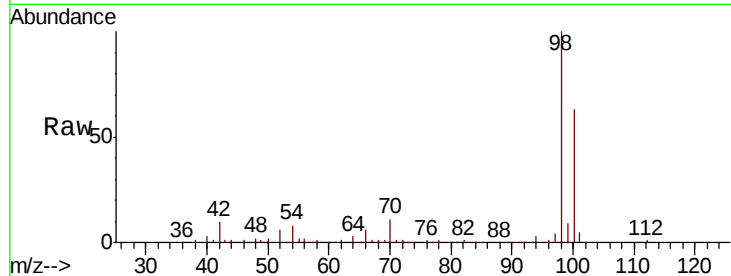
FL-0605

Tot Ion: 98 Resp: 429082

Ion Ratio Lower Upper

98 100

100 63.8 50.6 75.8



#51

4-Methyl-2-Pentanone

Concen: 1.186 ug/l

RT: 8.66 min Scan# 1231

Delta R.T. 0.02 min

Lab File: VX010961.D

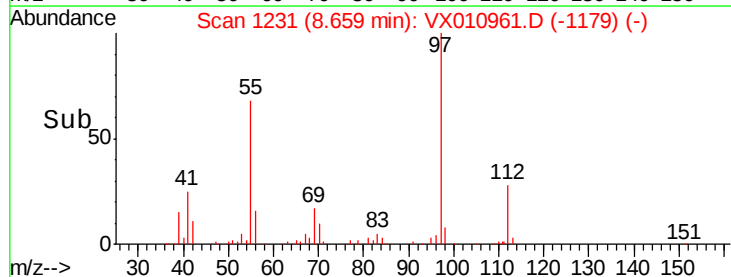
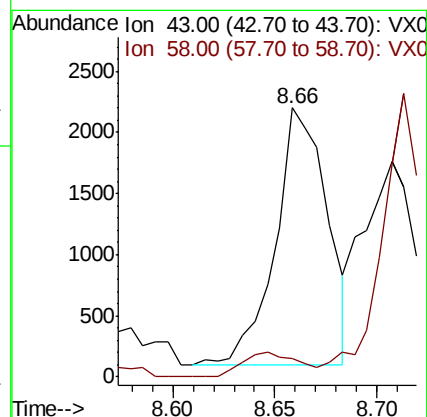
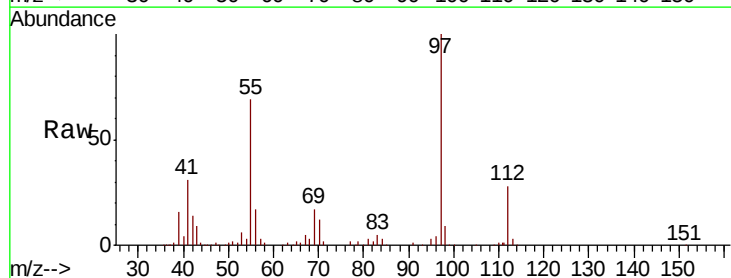
Acq: 18 Jul 2019 16:09

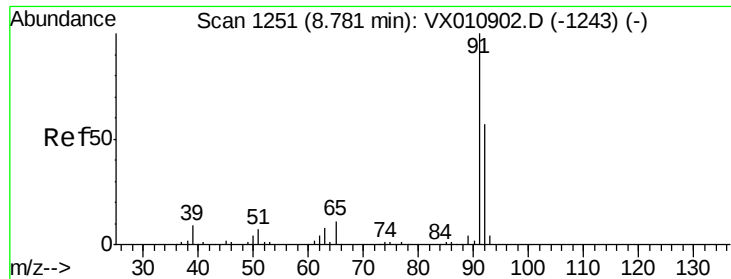
Tgt Ion: 43 Resp: 3747

Ion Ratio Lower Upper

43 100

58 10.4 32.2 48.4#





#52

Toluene

Concen: 33.412 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX010961.D

Acq: 18 Jul 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

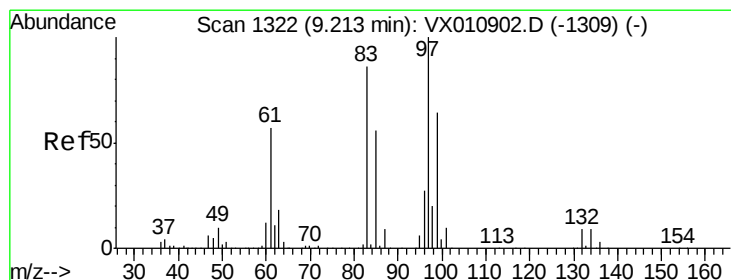
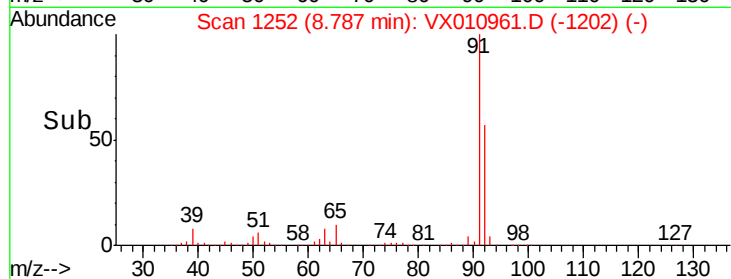
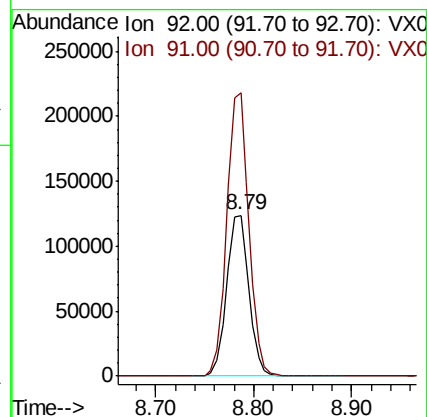
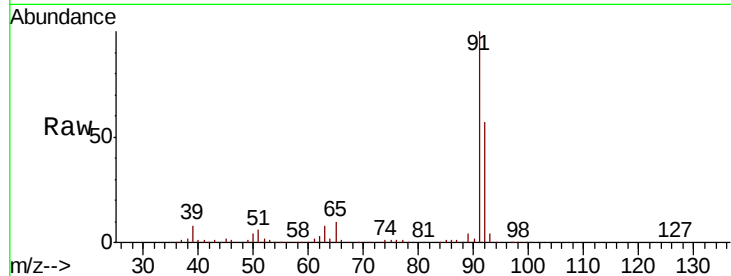
FL-0605

Tot Ion: 92 Resp: 194700

Ion Ratio Lower Upper

92 100

91 174.9 139.4 209.0



#55

1,1,2-Trichloroethane

Concen: 11.447 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX010961.D

Acq: 18 Jul 2019 16:09

Tgt Ion: 97 Resp: 27465

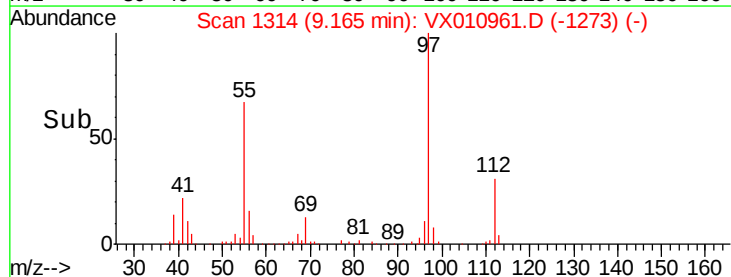
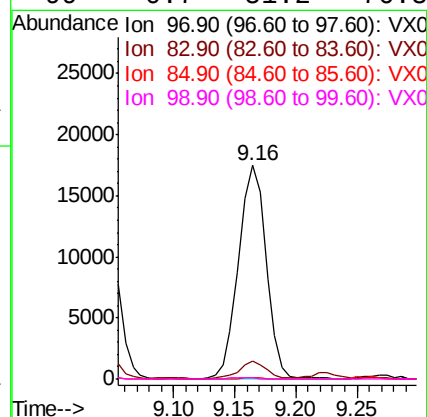
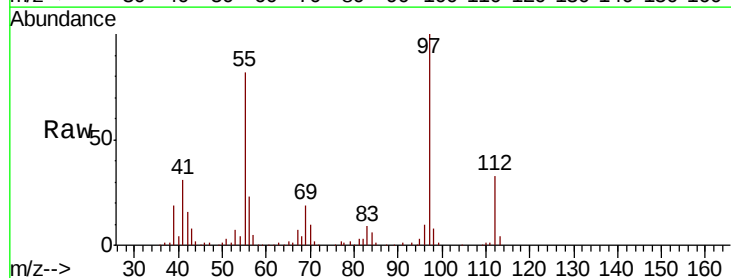
Ion Ratio Lower Upper

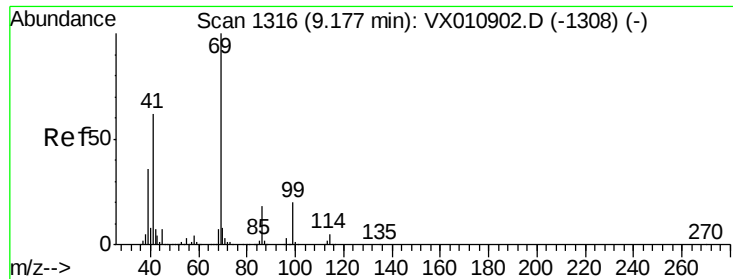
97 100

83 8.5 69.2 103.8#

85 0.8 44.6 66.8#

99 0.7 51.2 76.8#





#56

Ethyl methacrylate

Concen: 1.630 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VX010961.D

Acq: 18 Jul 2019 16:09

Instrument :

MSVOA_X

ClientSampled :

FL-0605

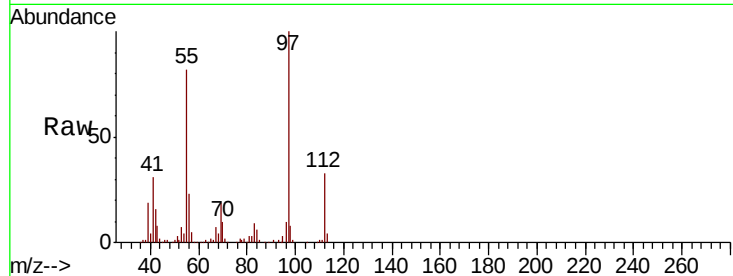
Tot Ion: 69.00 Resp: 5721

Ion Ratio Lower Upper

69 100

41 151.9 49.7 74.5#

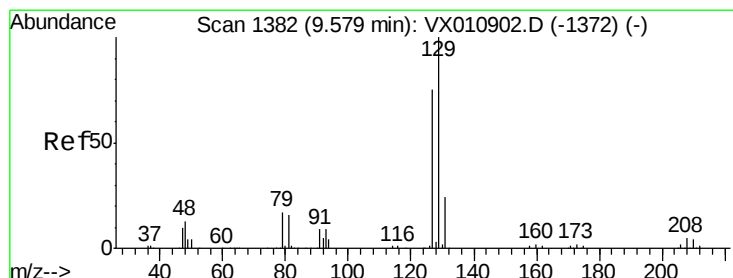
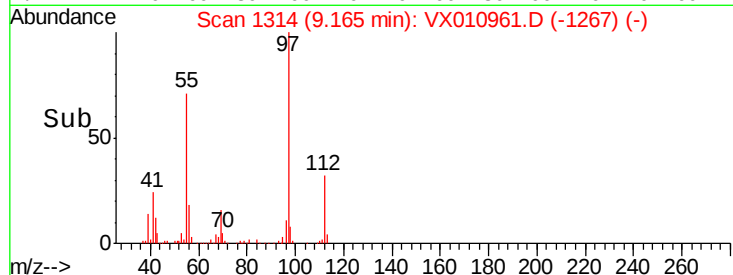
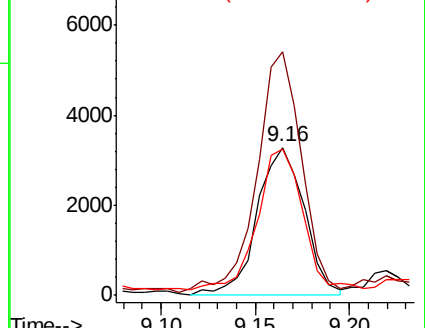
39 89.4 29.6 44.4#



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



#60

Dibromochloromethane

Concen: 2.554 ug/l

RT: 9.33 min Scan# 1341

Delta R.T. -0.25 min

Lab File: VX010961.D

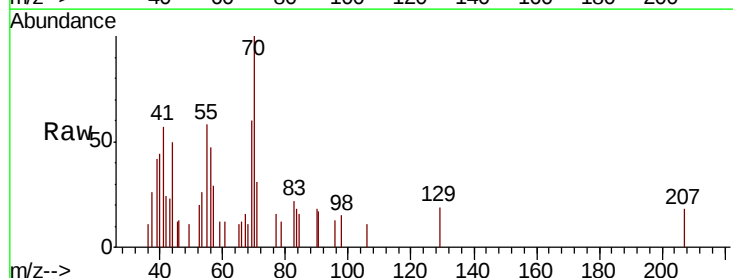
Acq: 18 Jul 2019 16:09

Tgt Ion: 129 Resp: 76

Ion Ratio Lower Upper

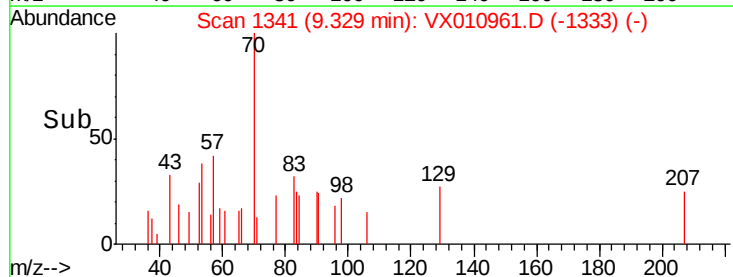
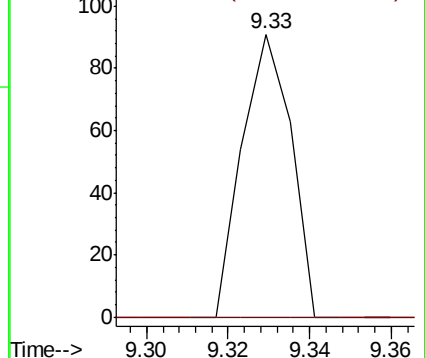
129 100

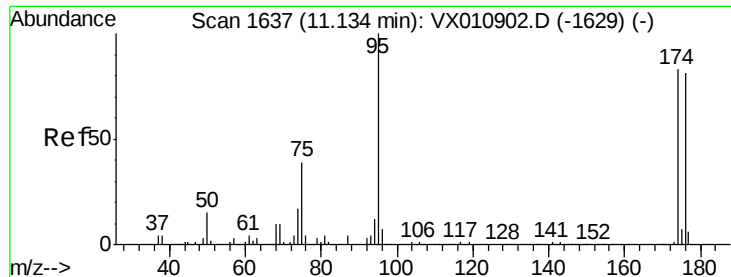
127 0.0 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 53.869 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010961.D

Acq: 18 Jul 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

FL-0605

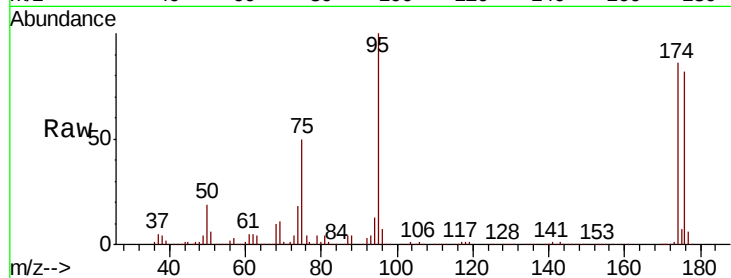
Tot Ion: 95 Resp: 166179

Ion Ratio Lower Upper

95 100

174 89.8 0.0 180.6

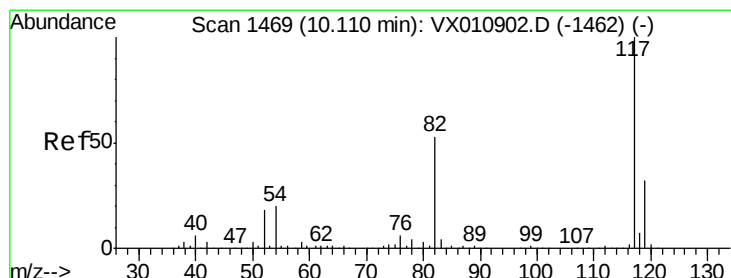
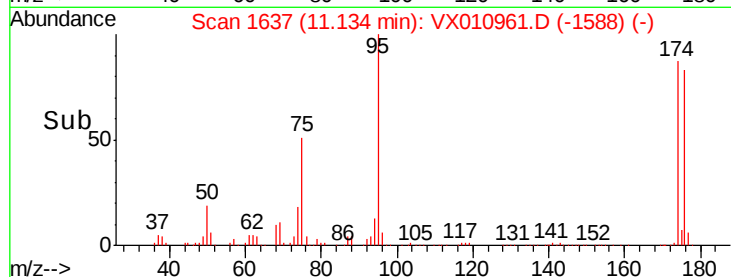
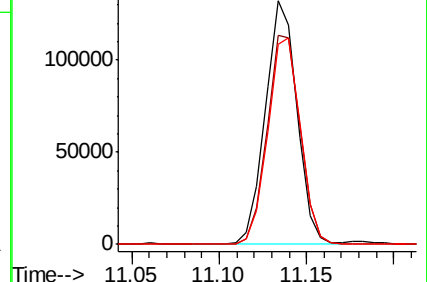
176 87.5 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VX010902.D (-1629) (-)

Ion 173.80 (173.50 to 174.50): VX010902.D (-1629) (-)

Ion 175.80 (175.50 to 176.50): VX010902.D (-1629) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX010961.D

Acq: 18 Jul 2019 16:09

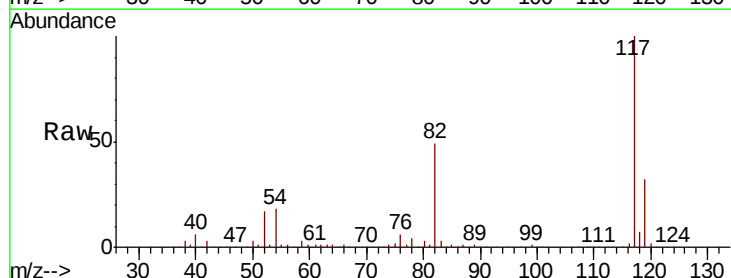
Tgt Ion: 117 Resp: 333606

Ion Ratio Lower Upper

117 100

82 49.3 42.6 63.8

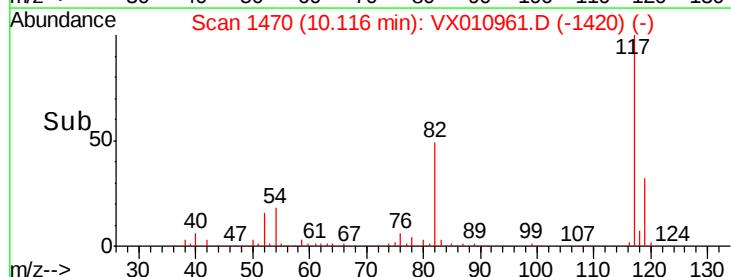
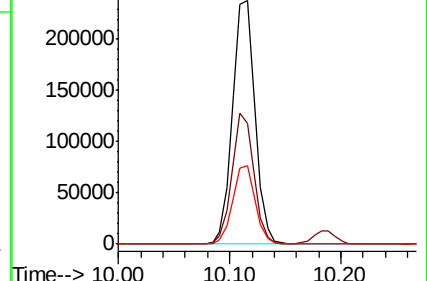
119 32.4 25.9 38.9

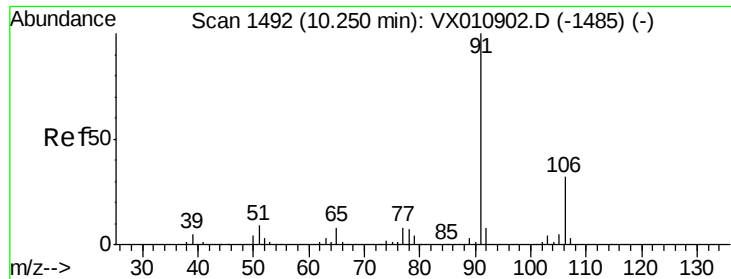


Abundance Ion 116.90 (116.60 to 117.60): VX010902.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010902.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010902.D (-1462) (-)





#67

Ethyl Benzene

Concen: 445.781 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VX010961.D

Acq: 18 Jul 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

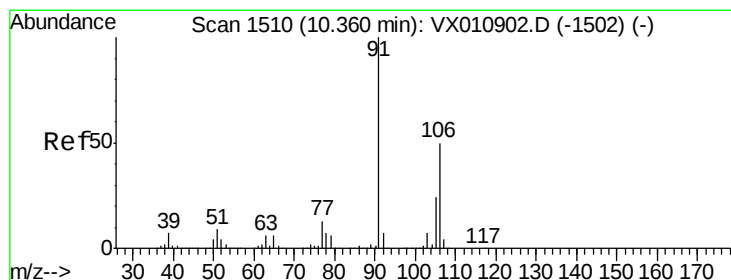
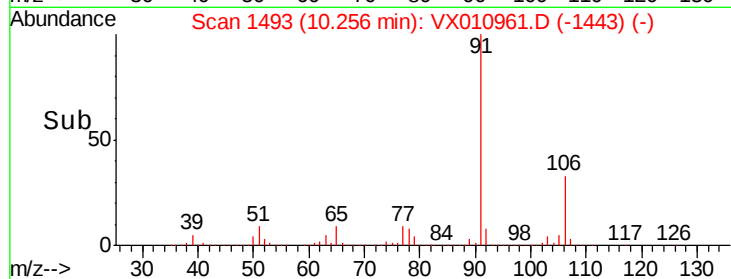
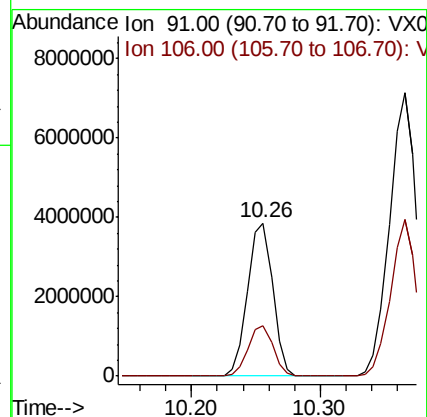
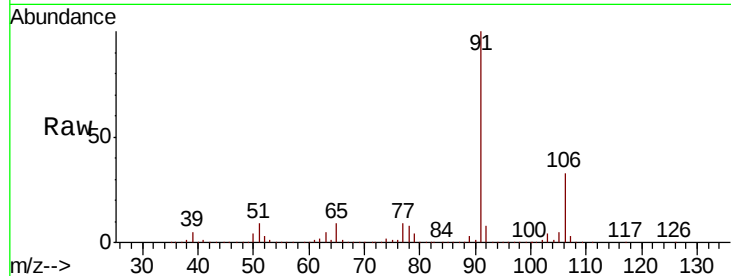
FL-0605

Tot Ion: 91 Resp: 5199112

Ion Ratio Lower Upper

91 100

106 33.0 25.4 38.2



#68

m/p-Xylenes

Concen: 1208.683 ug/l

RT: 10.37 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VX010961.D

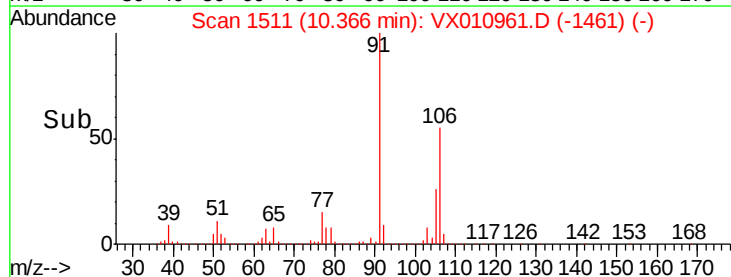
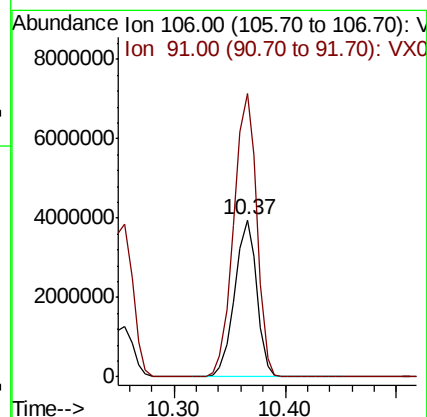
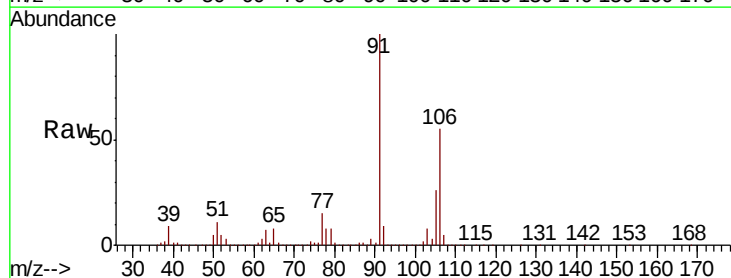
Acq: 18 Jul 2019 16:09

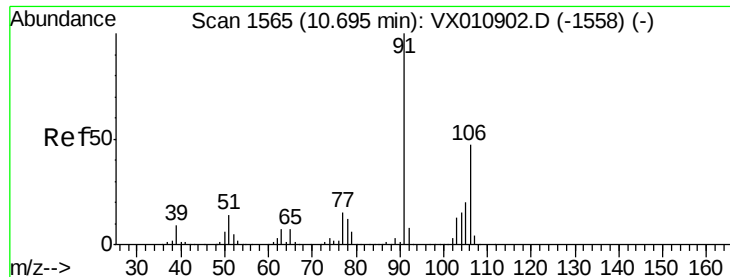
Tgt Ion: 106 Resp: 5407402

Ion Ratio Lower Upper

106 100

91 189.4 160.1 240.1

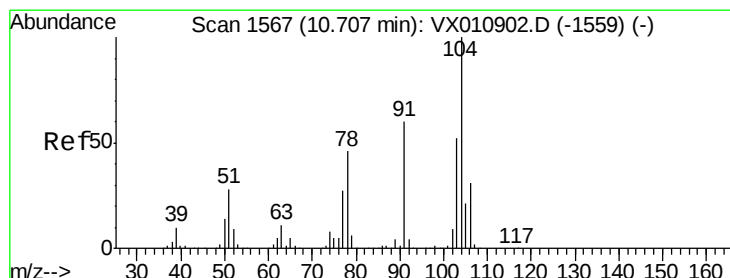
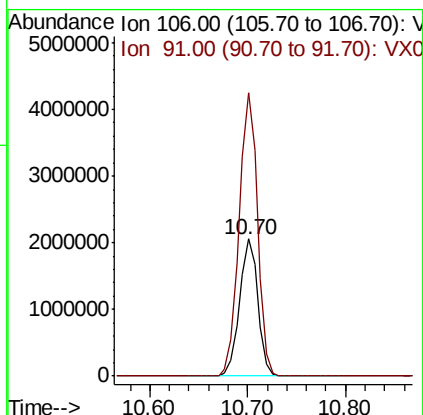
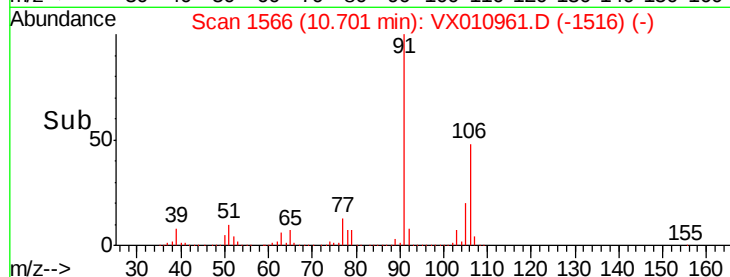
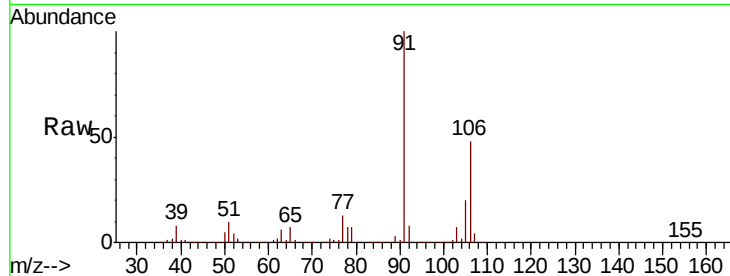




#69
o-Xylene
Concen: 607.603 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX010961.D
Acq: 18 Jul 2019 16:09

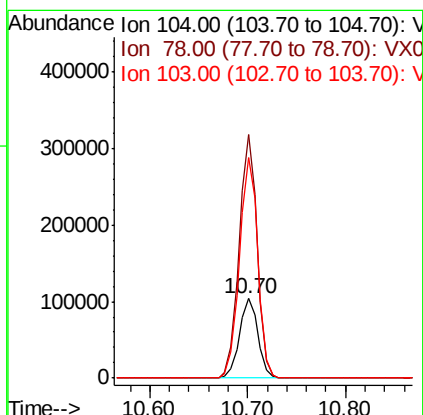
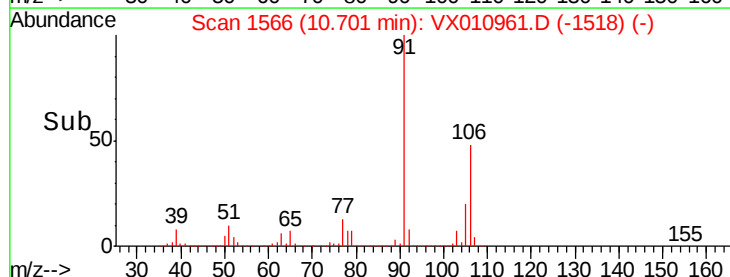
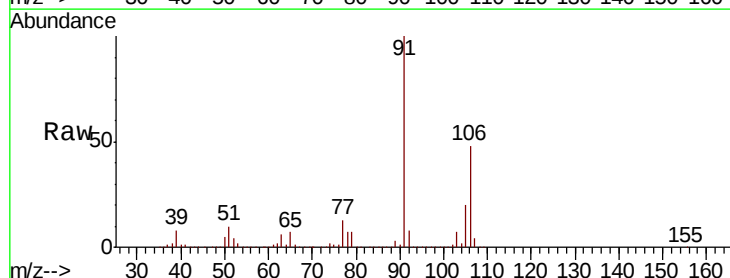
Instrument :
MSVOA_X
ClientSampled :
FL-0605

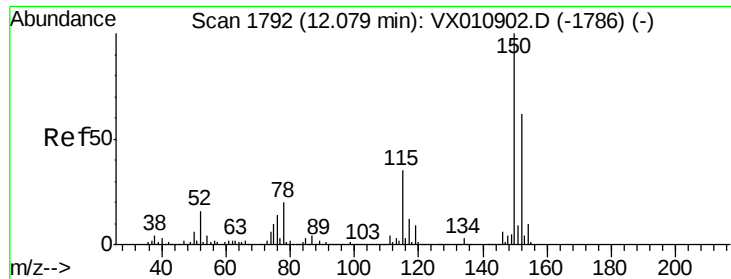
Tot Ion:106 Resp: 2652920
Ion Ratio Lower Upper
106 100
91 208.9 105.1 315.3



#70
Styrene
Concen: 18.587 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VX010961.D
Acq: 18 Jul 2019 16:09

Tgt Ion:104 Resp: 135286
Ion Ratio Lower Upper
104 100
78 299.1 38.8 58.2#
103 275.1 44.2 66.4#



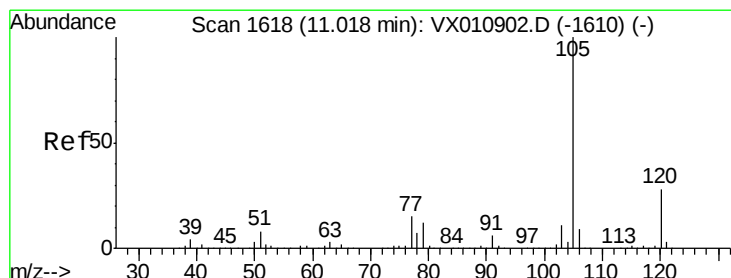
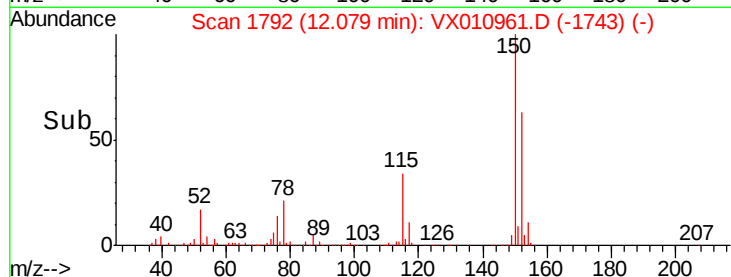
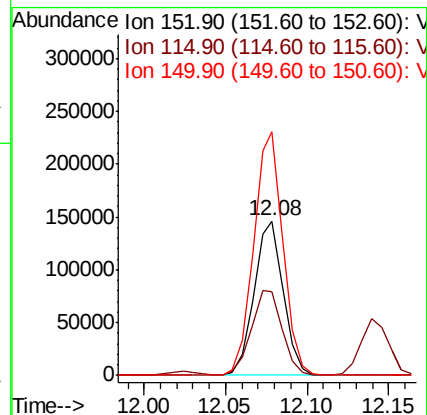
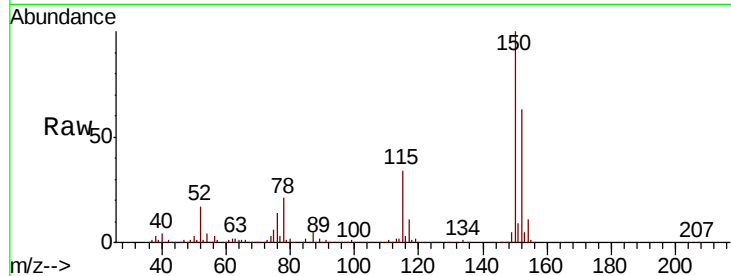


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010961.D
Acq: 18 Jul 2019 16:09

Instrument :
MSVOA_X
ClientSampleId :
FL-0605

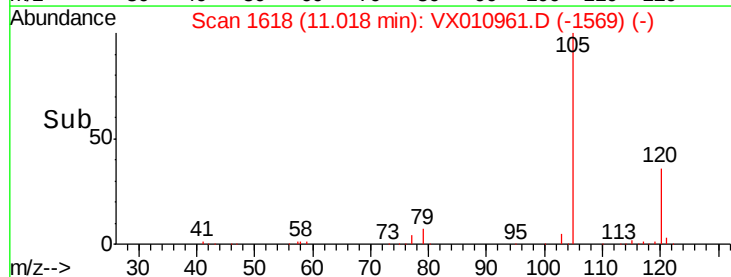
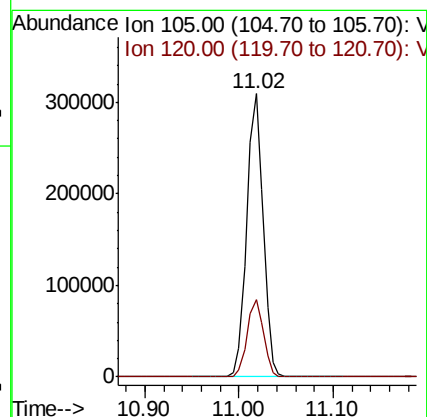
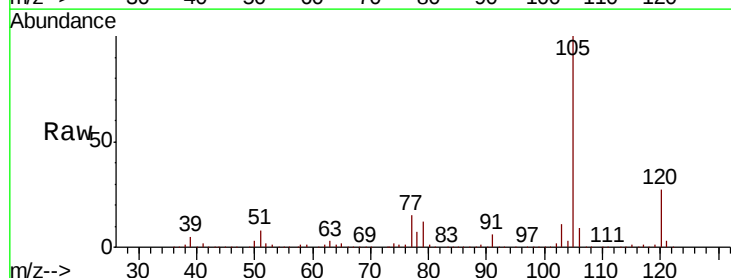
Tot Ion:152 Resp: 181492
Ion Ratio Lower Upper
152 100
115 58.5 39.7 119.1
150 158.0 0.0 345.6

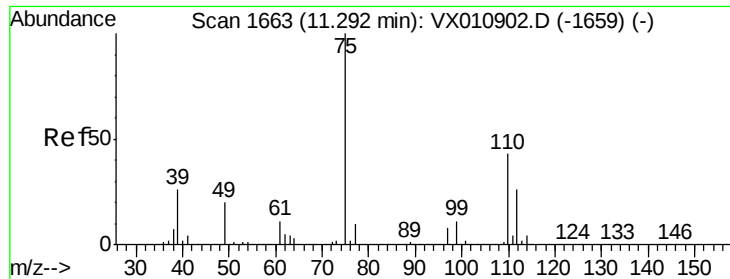


#73

Isopropylbenzene
Concen: 30.630 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX010961.D
Acq: 18 Jul 2019 16:09

Tgt Ion:105 Resp: 375632
Ion Ratio Lower Upper
105 100
120 27.2 13.7 41.1





#76

1,2,3-Trichloropropane

Concen: 0.953 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.07 min

Lab File: VX010961.D

Acq: 18 Jul 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

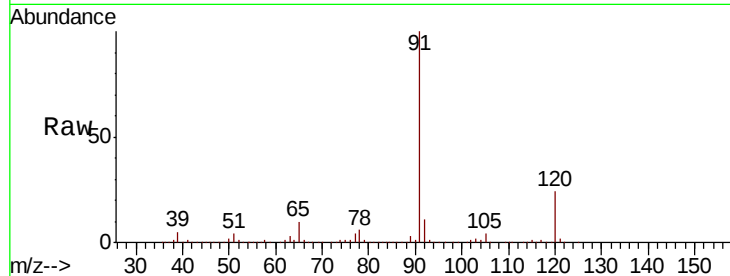
FL-0605

Tot Ion: 75 Resp: 3121

Ion Ratio Lower Upper

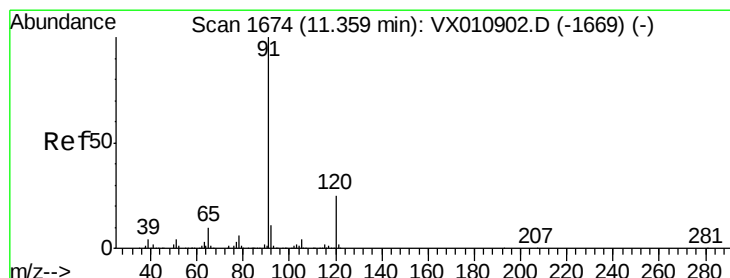
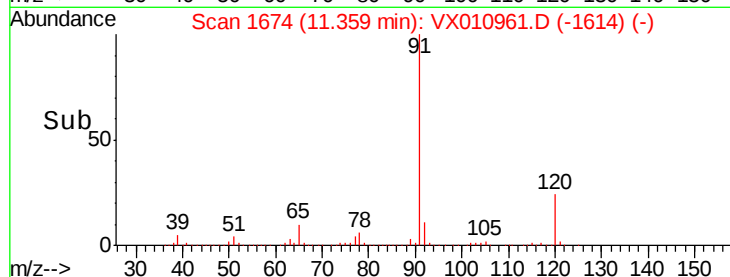
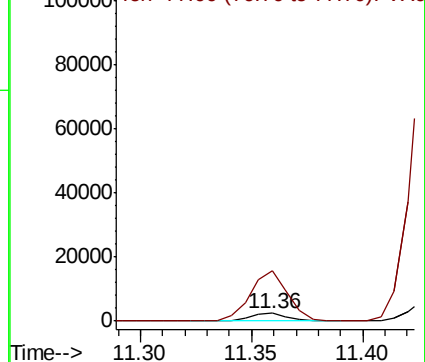
75 100

77 584.9 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: 35.115 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010961.D

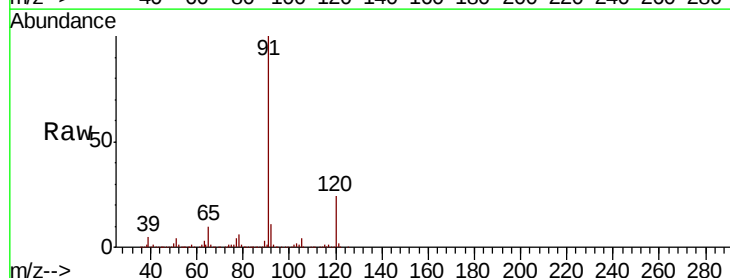
Acq: 18 Jul 2019 16:09

Tgt Ion: 91 Resp: 475812

Ion Ratio Lower Upper

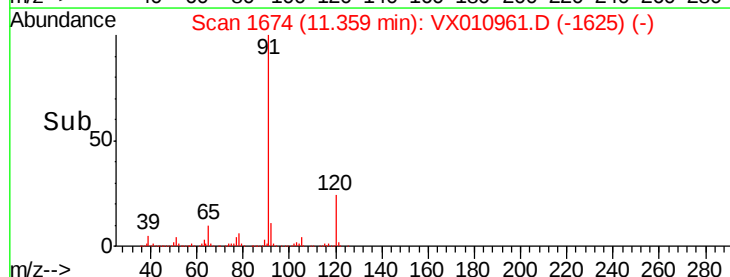
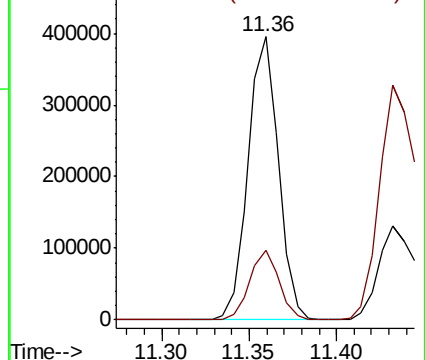
91 100

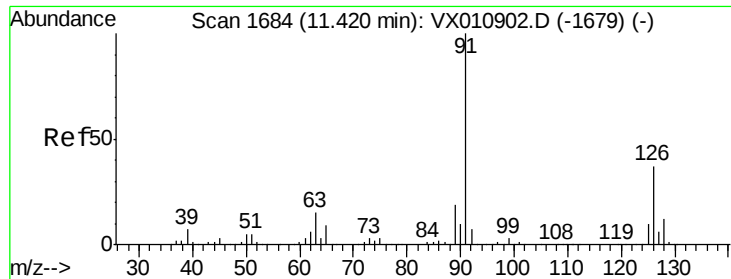
120 23.9 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

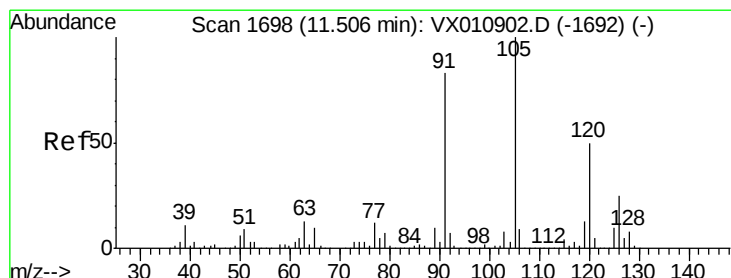
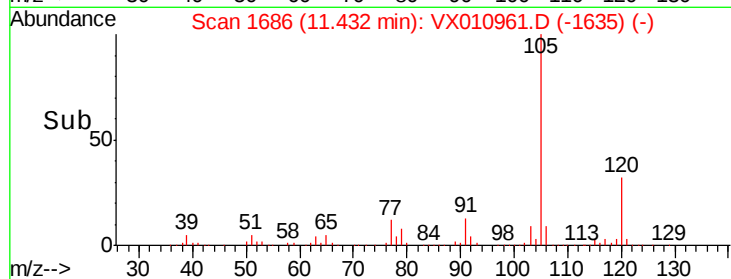
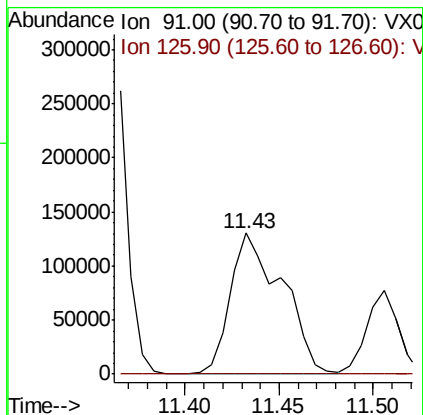
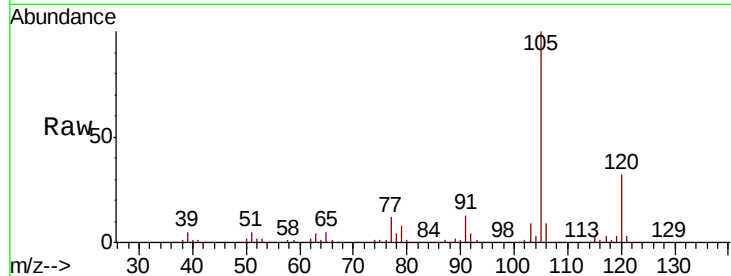




#79
 2-Chlorotoluene
 Concen: 30.635 ug/l
 RT: 11.43 min Scan# 1686
 Delta R.T. 0.01 min
 Lab File: VX010961.D
 Acq: 18 Jul 2019 16:09

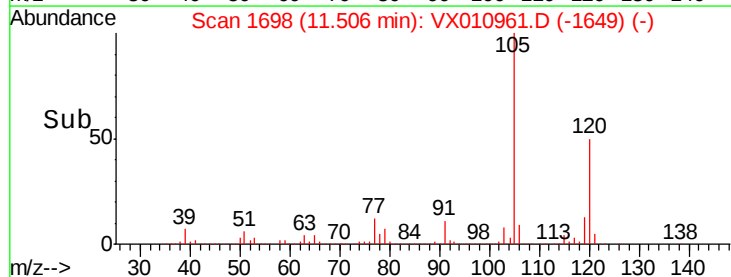
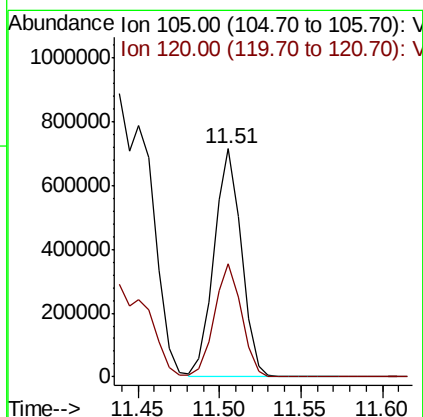
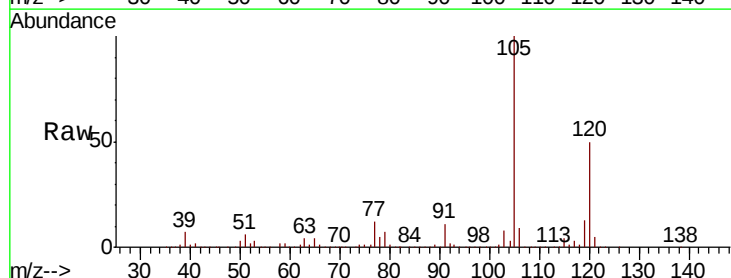
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0605

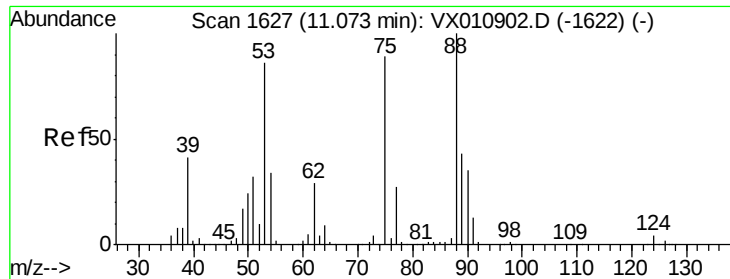
Tot Ion: 91 Resp: 249360
 Ion Ratio Lower Upper
 91 100
 126 0.1 18.0 54.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 81.417 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX010961.D
 Acq: 18 Jul 2019 16:09

Tgt Ion: 105 Resp: 834300
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 7.262 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.05 min

Lab File: VX010961.D

Acq: 18 Jul 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

FL-0605

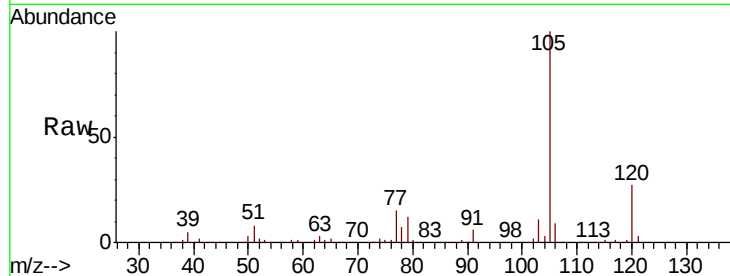
Tot Ion: 75 Resp: 4610

Ion Ratio Lower Upper

75 100

53 105.9 76.7 115.1

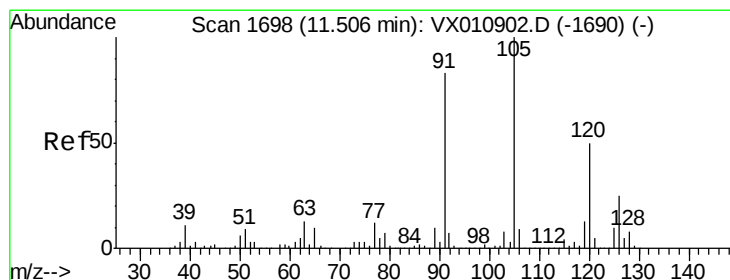
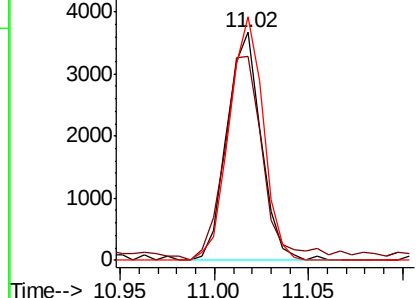
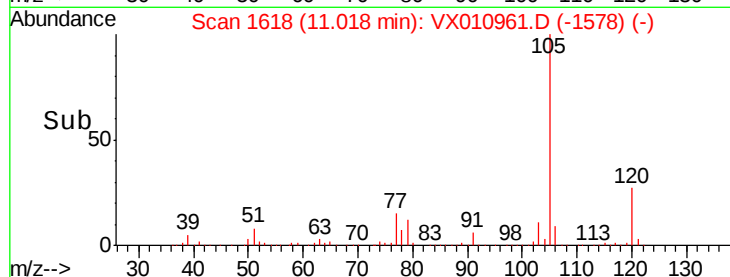
89 106.6 38.5 57.7#



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: 9.563 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010961.D

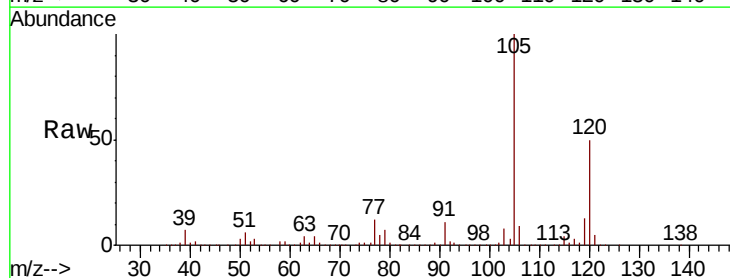
Acq: 18 Jul 2019 16:09

Tgt Ion: 91 Resp: 90595

Ion Ratio Lower Upper

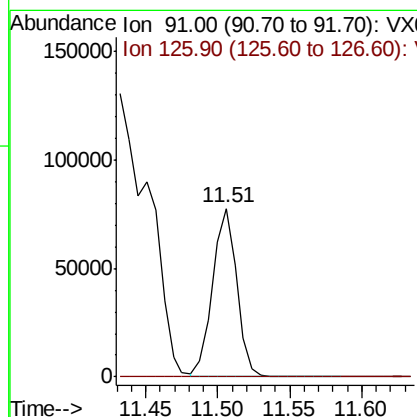
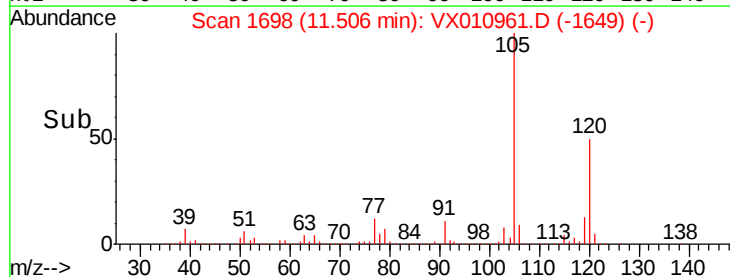
91 100

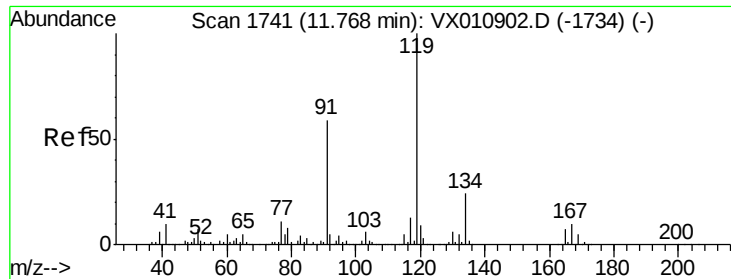
126 0.2 15.9 47.7#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 2.798 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX010961.D

Acq: 18 Jul 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

FL-0605

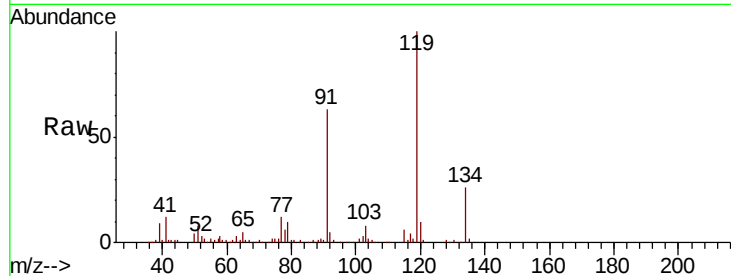
Tot Ion:119 Resp: 28165

Ion Ratio Lower Upper

119 100

91 67.0 28.6 85.8

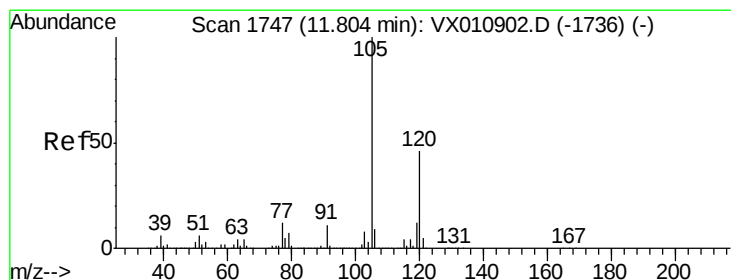
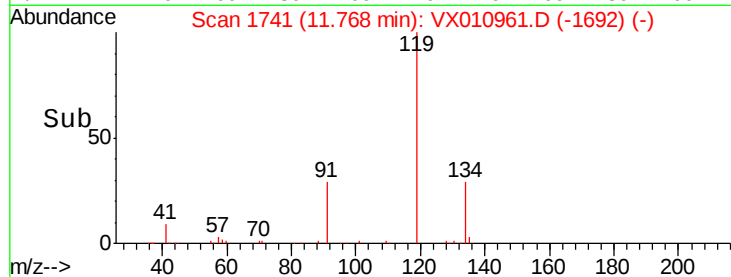
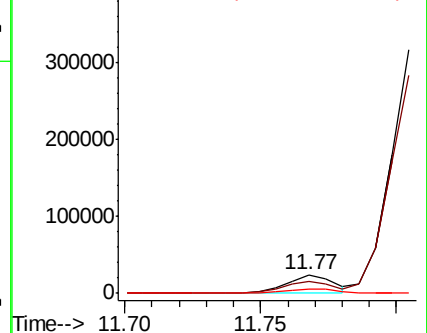
134 26.7 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 313.388 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX010961.D

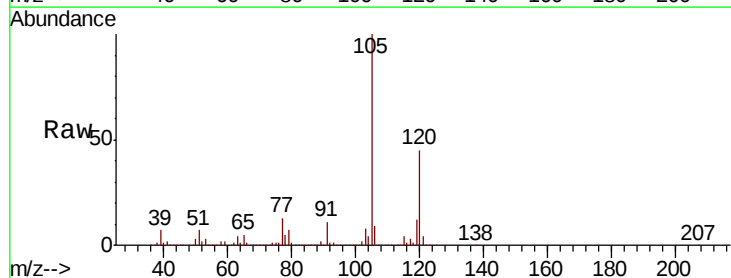
Acq: 18 Jul 2019 16:09

Tgt Ion:105 Resp: 3236748

Ion Ratio Lower Upper

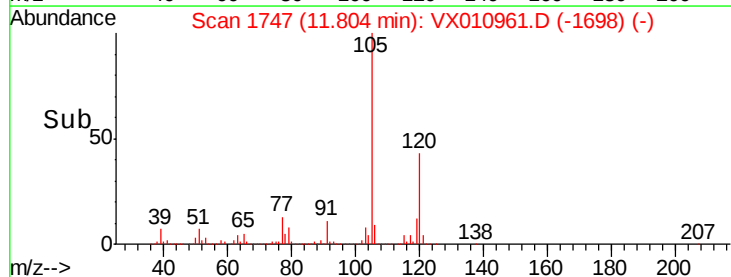
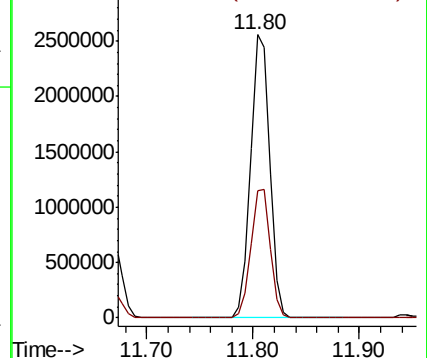
105 100

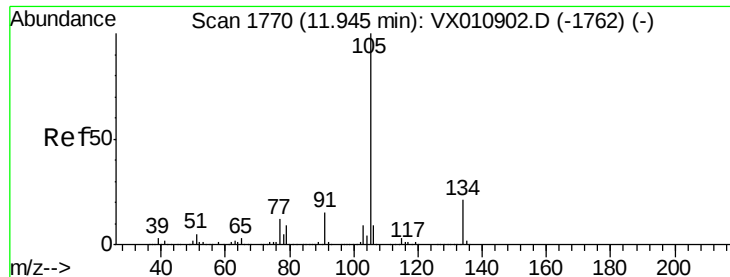
120 46.0 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 274.439 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.14 min

Lab File: VX010961.D

Acq: 18 Jul 2019 16:09

Instrument :

MSVOA_X

ClientSampled :

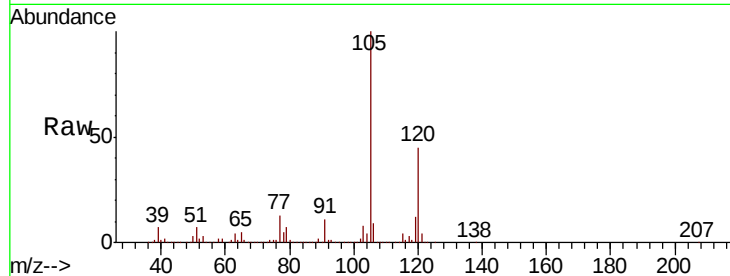
FL-0605

Tot Ion:105 Resp: 3236748

Ion Ratio Lower Upper

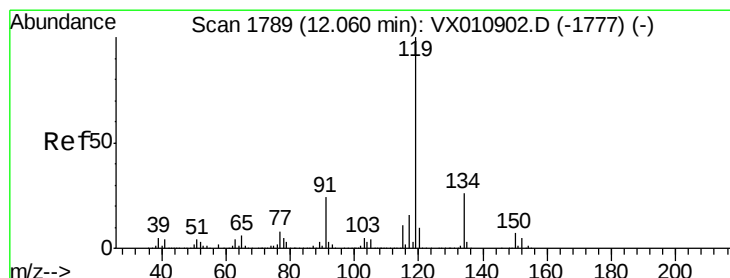
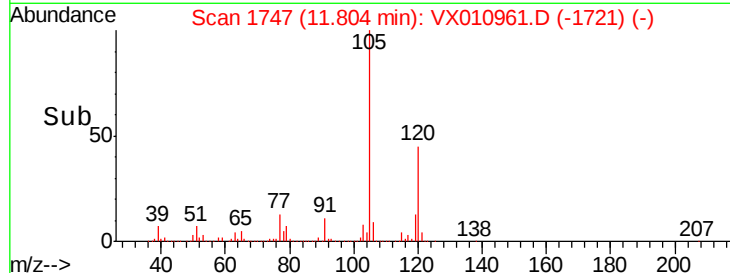
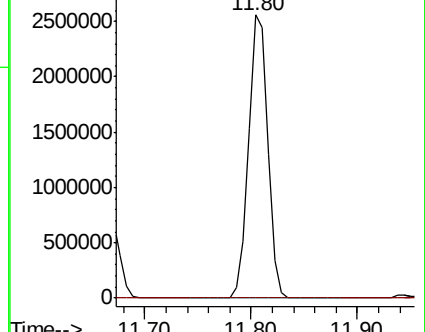
105 100

134 0.0 10.4 31.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.082 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010961.D

Acq: 18 Jul 2019 16:09

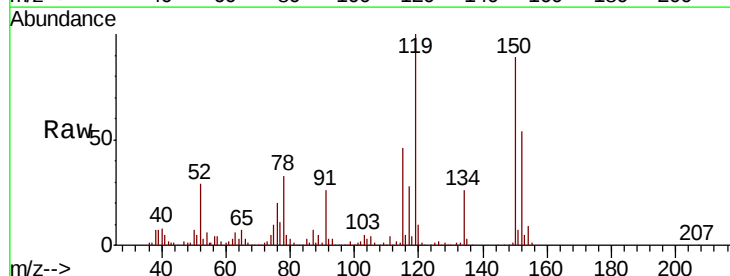
Tgt Ion:119 Resp: 44513

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.1

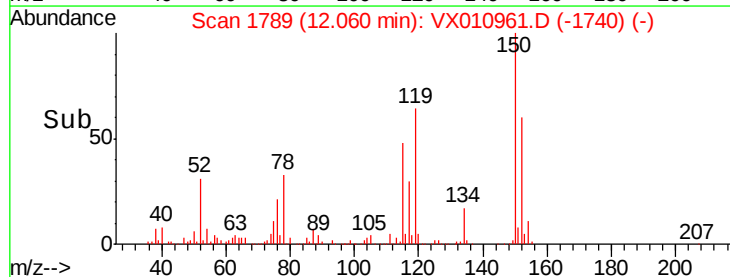
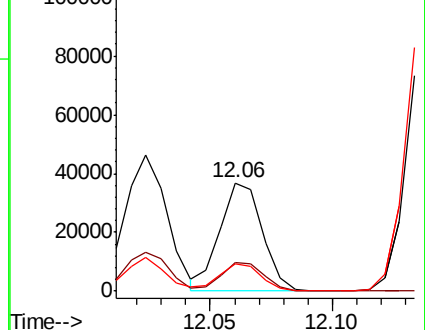
91 25.0 11.8 35.4

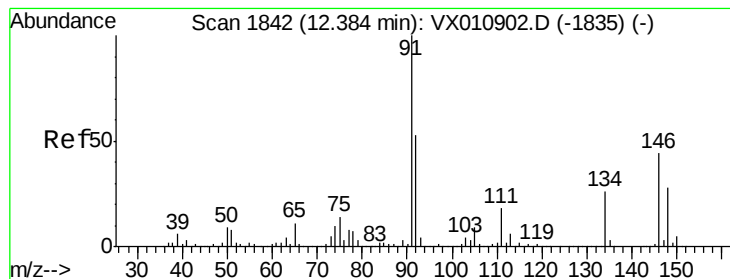


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#89

n-Butylbenzene

Concen: 7.478 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX010961.D

Acq: 18 Jul 2019 16:09

Instrument :

MSVOA_X

ClientSampled :

FL-0605

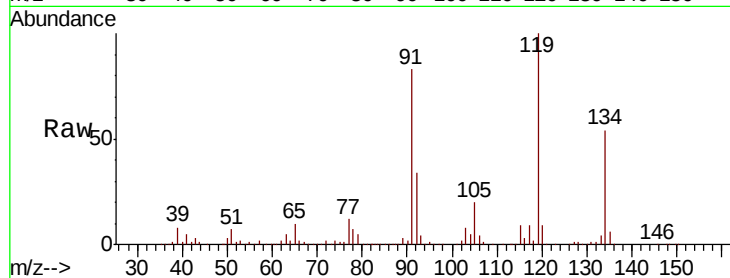
Tot Ion: 91 Resp: 69760

Ion Ratio Lower Upper

91 100

92 30.3 26.2 78.5

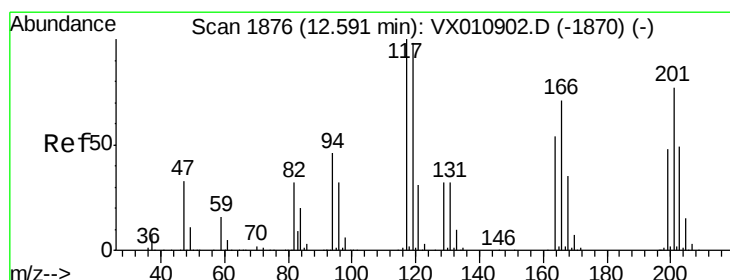
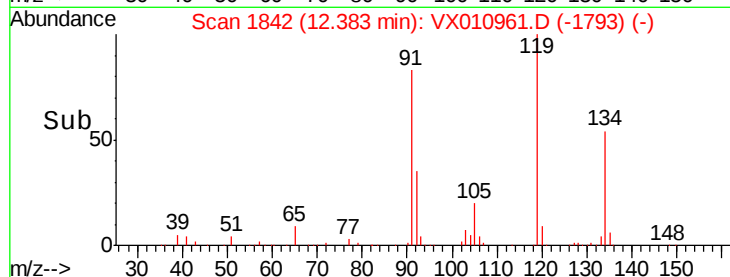
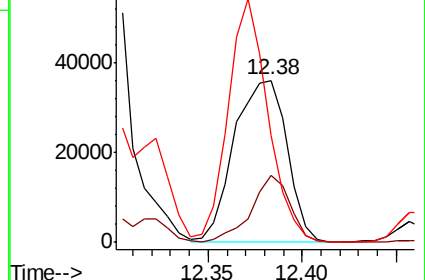
134 113.9 13.8 41.3#



Abundance Ion 91.00 (90.70 to 91.70): VX010902.D (-1835) (-)

Ion 92.00 (91.70 to 92.70): VX010902.D (-1835) (-)

Ion 134.00 (133.70 to 134.70): VX010902.D (-1835) (-)



#90

Hexachloroethane

Concen: 8.174 ug/l

RT: 12.58 min Scan# 1875

Delta R.T. -0.01 min

Lab File: VX010961.D

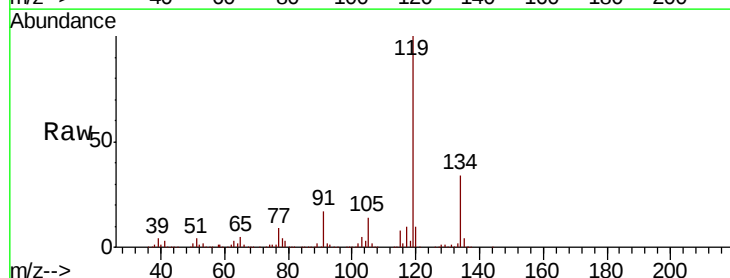
Acq: 18 Jul 2019 16:09

Tgt Ion: 117 Resp: 14057

Ion Ratio Lower Upper

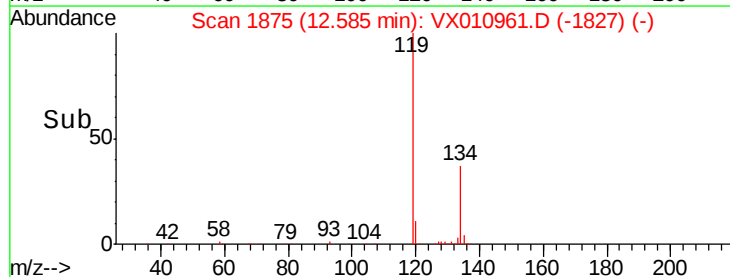
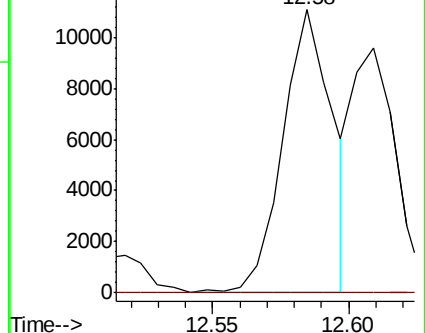
117 100

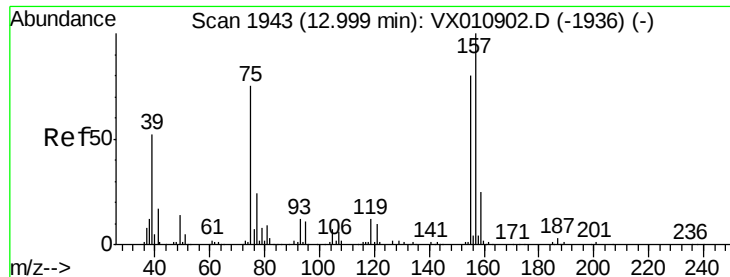
201 0.0 43.3 129.8#



Abundance Ion 116.80 (116.50 to 117.50): VX010902.D (-1870) (-)

Ion 200.70 (200.40 to 201.40): VX010902.D (-1870) (-)

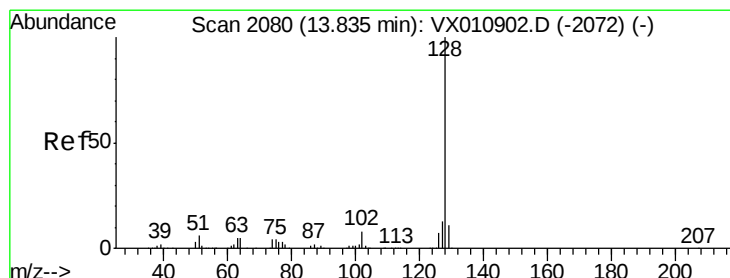
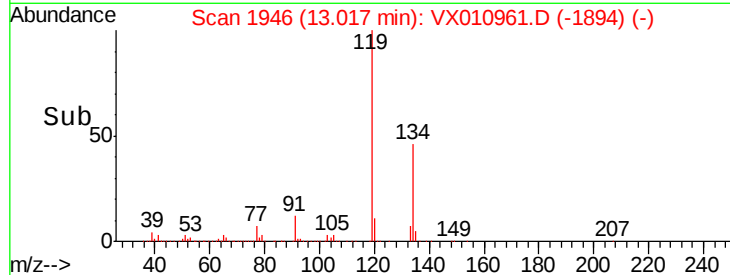
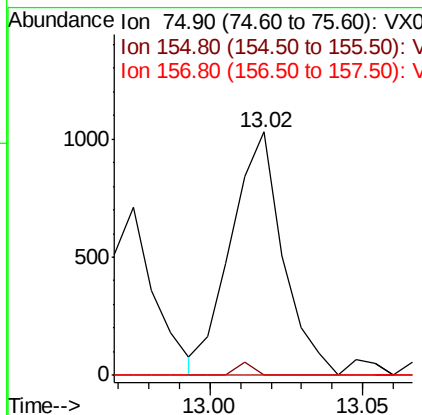
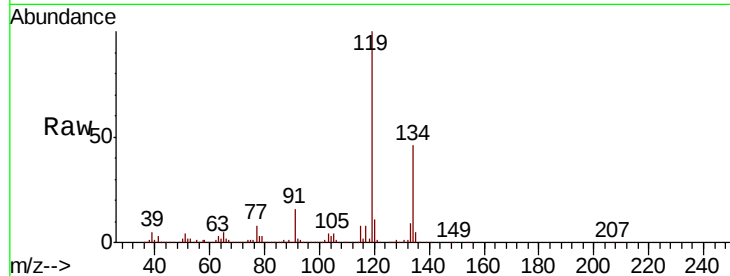




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.440 ug/l
 RT: 13.02 min Scan# 1946
 Delta R.T. 0.02 min
 Lab File: VX010961.D
 Acq: 18 Jul 2019 16:09

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0605

Tot Ion: 75 Resp: 1208
 Ion Ratio Lower Upper
 75 100
 155 1.7 48.7 146.1#
 157 0.0 62.5 187.6#



#95
 Naphthalene
 Concen: 159.806 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX010961.D
 Acq: 18 Jul 2019 16:09

Tgt Ion:128 Resp: 1860633
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.4 15.6
 129 11.1 8.9 13.3

