

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071719\
 Data File : VX010944.D
 Acq On : 17 Jul 2019 18:26
 Operator : JC/SP
 Sample : K3791-17DL 40X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0611DL

Quant Time: Jul 18 02:32:11 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	219031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	344588	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	320797	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	154823	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	117423	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
35) Dibromofluoromethane	5.50	113	107650	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
50) Toluene-d8	8.71	98	415786	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
62) 4-Bromofluorobenzene	11.13	95	151383	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	454	0.739	ug/l	87
3) Chloromethane	1.33	50	705	0.350	ug/l	89
4) Vinyl Chloride	1.41	62	420	0.204	ug/l #	72
5) Bromomethane	1.66	94	1052	0.909	ug/l	99
6) Chloroethane	1.62	64	311	0.238	ug/l #	41
10) Methyl Iodide	2.51	142	1604	0.616	ug/l	92
13) Acrolein	2.29	56	492	1.569	ug/l #	15
14) Allyl chloride	2.71	41	624	0.220	ug/l #	55
15) Acrylonitrile	3.15	53	590	0.538	ug/l #	77
16) Acetone	2.45	43	478	0.454	ug/l #	76
17) Carbon Disulfide	2.57	76	2866	0.573	ug/l	97
18) Methyl Acetate	2.78	43	521	0.217	ug/l #	83
20) Methylene Chloride	2.86	84	478	0.214	ug/l #	86
21) trans-1,2-Dichloroethene	3.17	96	513	0.248	ug/l	97
25) 2-Butanone	4.70	43	451	0.299	ug/l #	46
31) Cyclohexane	5.58	56	40123	12.682	ug/l	98
36) 1,1-Dichloropropene	5.81	75	578	0.204	ug/l #	61
38) Carbon Tetrachloride	5.67	117	20515	6.955	ug/l #	17
39) Methylcyclohexane	7.46	83	21488	5.854	ug/l	98
48) Methyl methacrylate	7.73	41	845	0.364	ug/l #	33
49) 1,4-Dioxane	7.77	88	22	0.339	ug/l #	28
52) Toluene	8.79	92	20813	3.654	ug/l	98
60) Dibromochloromethane	9.59	129	26	2.537	ug/l #	11
67) Ethyl Benzene	10.25	91	246326	21.964	ug/l	99
68) m/p-Xylenes	10.35	106	359203	83.496	ug/l	100
69) o-Xylene	10.69	106	45315	10.793	ug/l	100
70) Styrene	10.70	104	2906	0.415	ug/l #	1
73) Isopropylbenzene	11.02	105	20713	1.980	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	75149	26.898	ug/l #	35
78) n-propylbenzene	11.36	91	21466	1.857	ug/l	100
79) 2-Chlorotoluene	11.43	91	11218	1.616	ug/l #	46
80) 1,3,5-Trimethylbenzene	11.51	105	30926	3.538	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.13	75	75149	66.703	ug/l #	11
82) 4-Chlorotoluene	11.51	91	4802	0.594	ug/l #	63

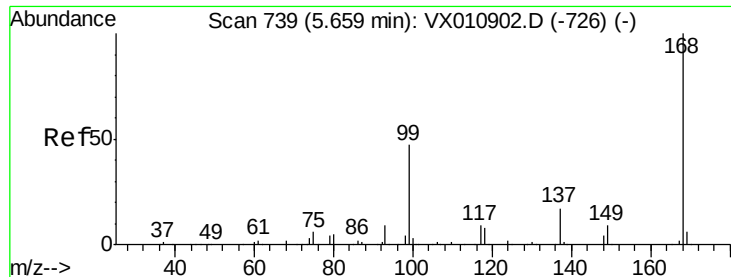
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071719\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	11.80	105	90973	10.325	ug/l	98
85) sec-Butylbenzene	11.94	105	3280	0.326	ug/l	91
86) p-Isopropyltoluene	12.02	119	2913	0.313	ug/l	88
87) 1,3-Dichlorobenzene	12.02	146	1392	0.278	ug/l	93
88) 1,4-Dichlorobenzene	12.02	146	1392	0.271	ug/l	94
89) n-Butylbenzene	12.39	91	3311	0.416	ug/l #	69
90) Hexachloroethane	12.60	117	650	0.443	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.65	180	1587	0.472	ug/l	95
94) Hexachlorobutadiene	13.78	225	589	0.353	ug/l	90
95) Naphthalene	13.83	128	35964	3.621	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	1372	0.410	ug/l	89

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX010944.D

Acq: 17 Jul 2019 18:26

Instrument :

MSVOA_X

ClientSampled :

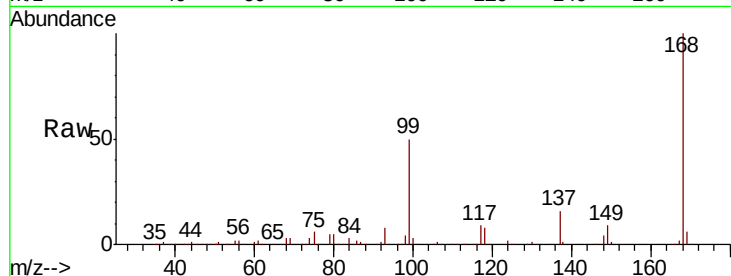
FL-0611DL

Tot Ion:168 Resp: 219031

Ion Ratio Lower Upper

168 100

99 50.1 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

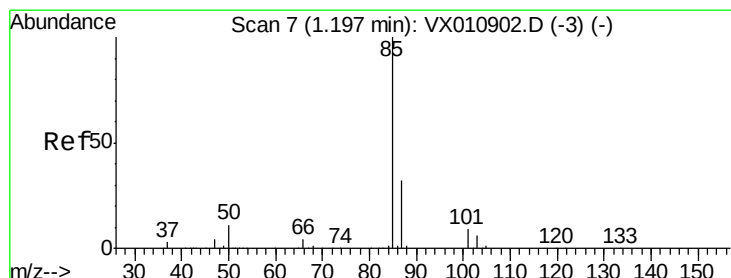
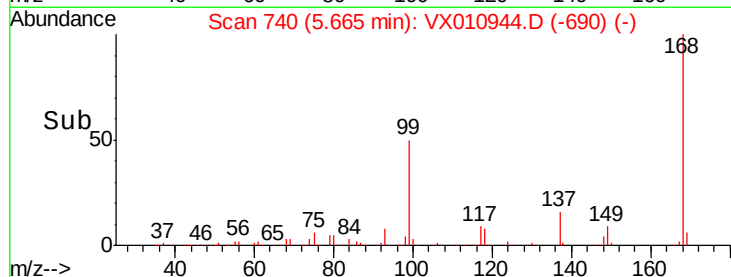
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.739 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010944.D

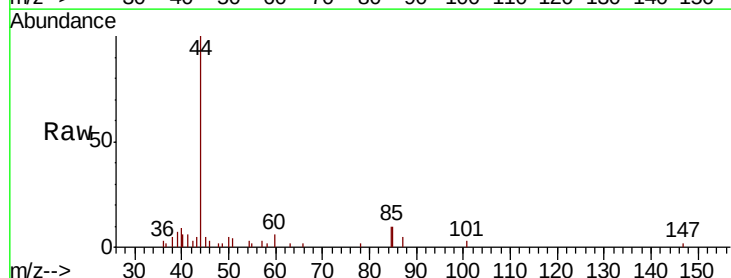
Acq: 17 Jul 2019 18:26

Tgt Ion: 85 Resp: 454

Ion Ratio Lower Upper

85 100

87 24.5 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

600

500

400

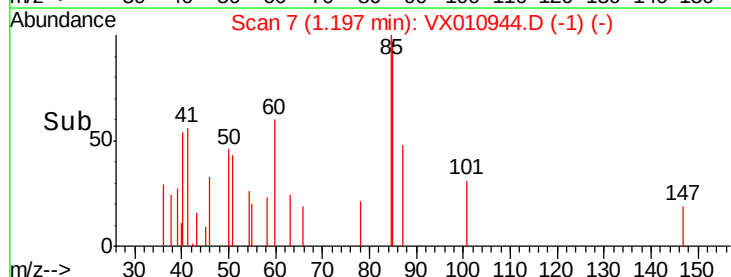
300

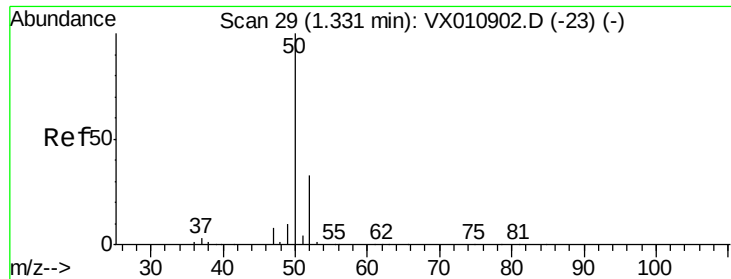
200

100

0

Time--> 1.16 1.18 1.20 1.22 1.24





#3

Chloromethane

Concen: 0.350 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX010944.D

Acq: 17 Jul 2019 18:26

Instrument :

MSVOA_X

ClientSampled :

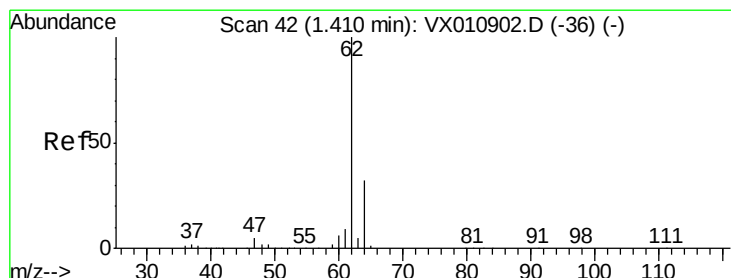
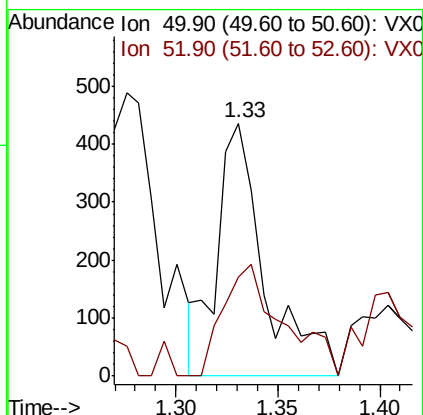
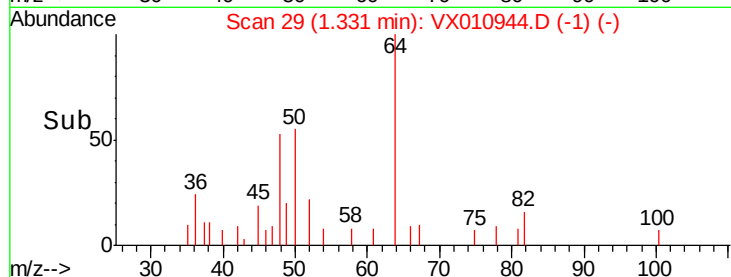
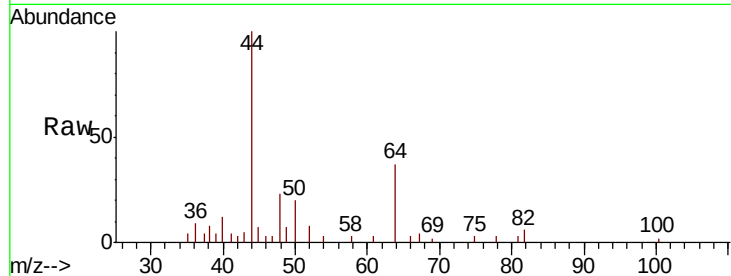
FL-0611DL

Tot Ion: 50 Resp: 705

Ion Ratio Lower Upper

50 100

52 39.2 26.4 39.6



#4

Vinyl Chloride

Concen: 0.204 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010944.D

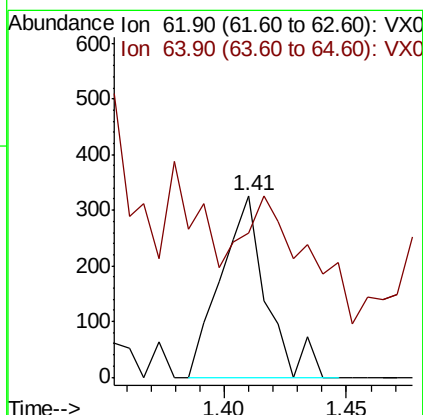
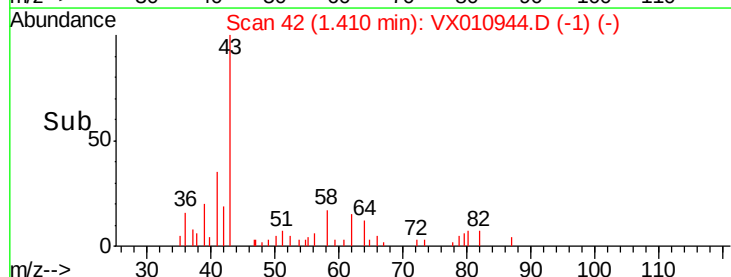
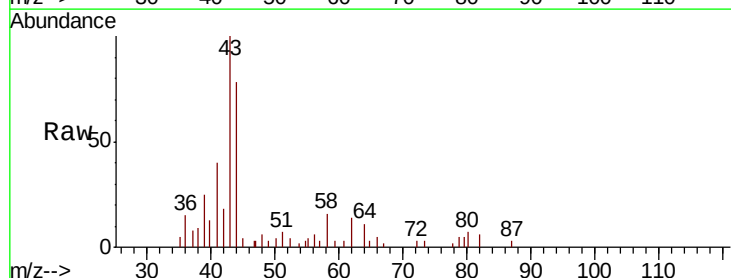
Acq: 17 Jul 2019 18:26

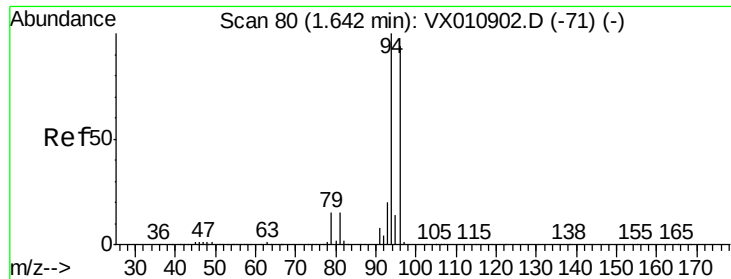
Tgt Ion: 62 Resp: 420

Ion Ratio Lower Upper

62 100

64 16.6 25.7 38.5#





#5

Bromomethane

Concen: 0.909 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX010944.D

Acq: 17 Jul 2019 18:26

Instrument :

MSVOA_X

ClientSampled :

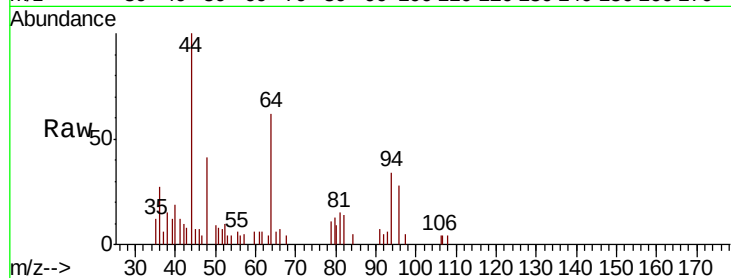
FL-0611DL

Tot Ion: 94 Resp: 1052

Ion Ratio Lower Upper

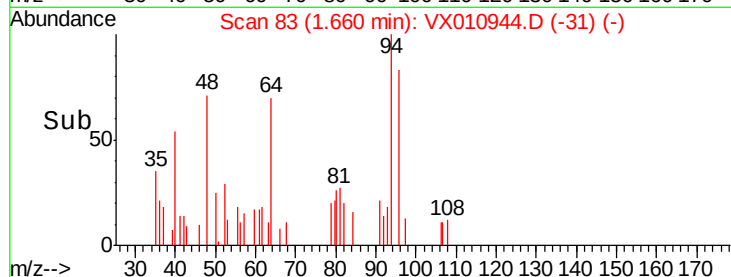
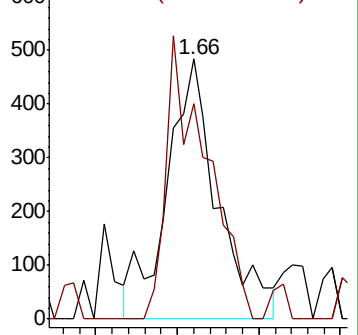
94 100

96 93.7 75.6 113.4

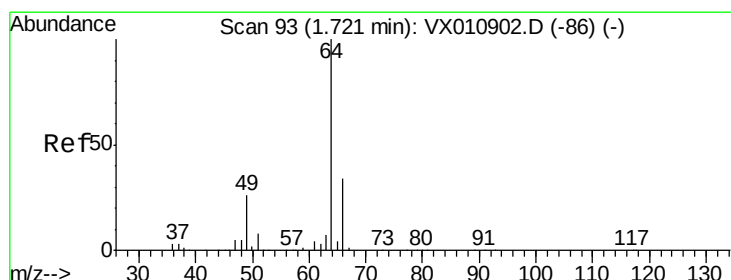


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 0.238 ug/l

RT: 1.62 min Scan# 77

Delta R.T. -0.10 min

Lab File: VX010944.D

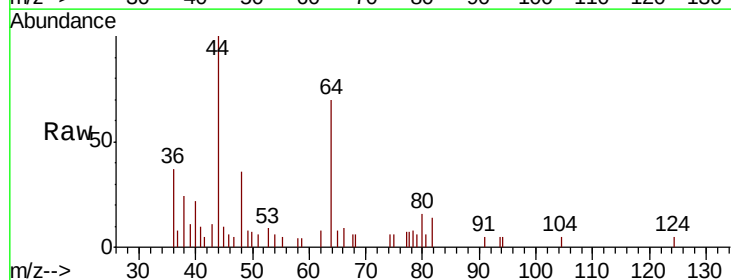
Acq: 17 Jul 2019 18:26

Tgt Ion: 64 Resp: 311

Ion Ratio Lower Upper

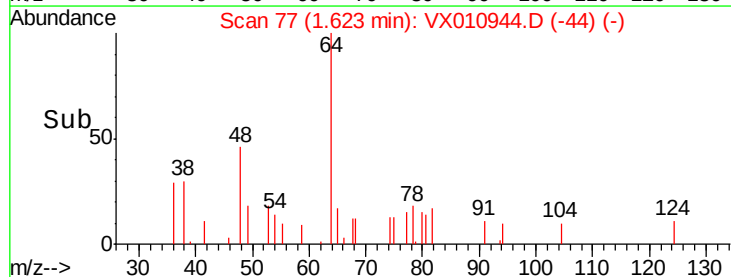
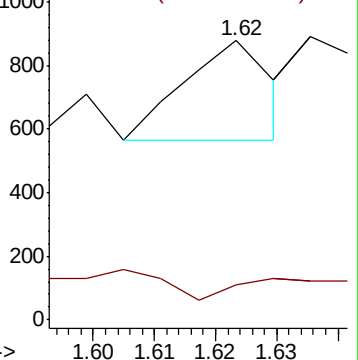
64 100

66 0.0 27.0 40.6#

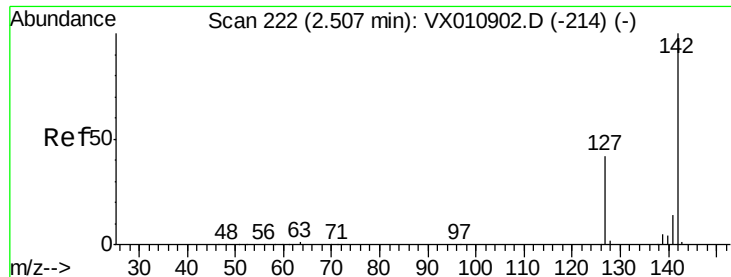


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



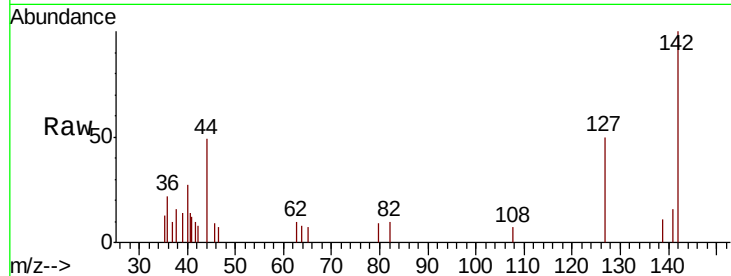
Time-->



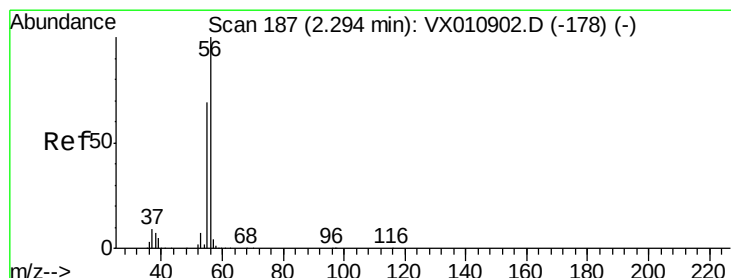
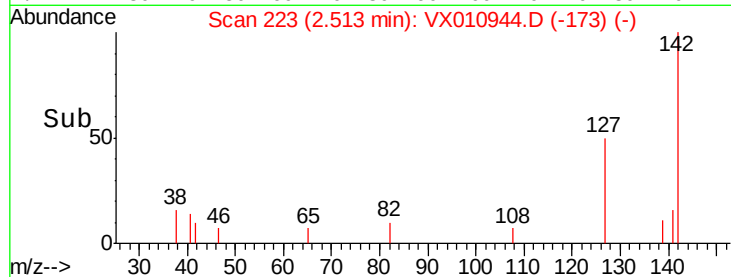
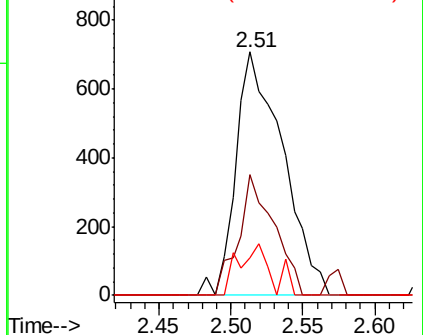
#10
Methvl Iodide
Concen: 0.616 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX010944.D
Acq: 17 Jul 2019 18:26

Instrument :
MSVOA_X
ClientSampleId :
FL-0611DL

Tot Ion:142 Resp: 1604
Ion Ratio Lower Upper
142 100
127 37.4 34.2 51.4
141 12.4 11.7 17.5

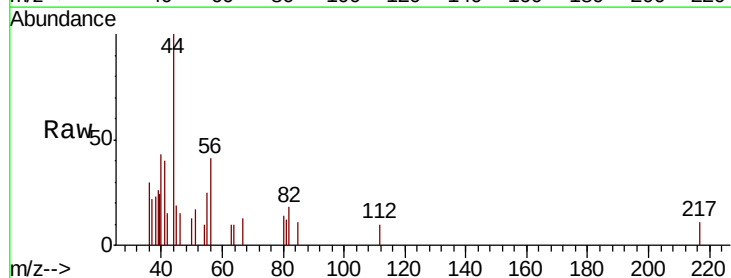


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

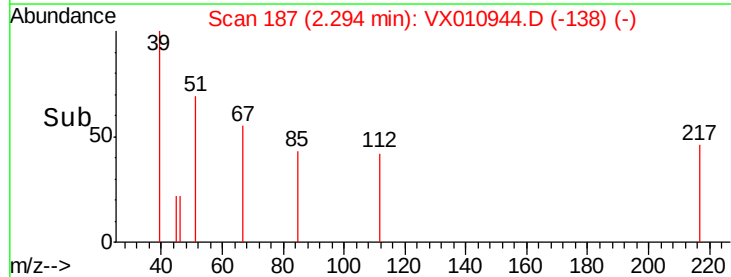
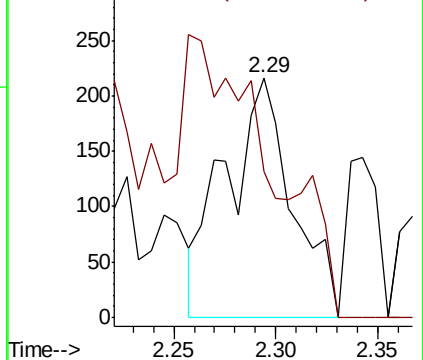


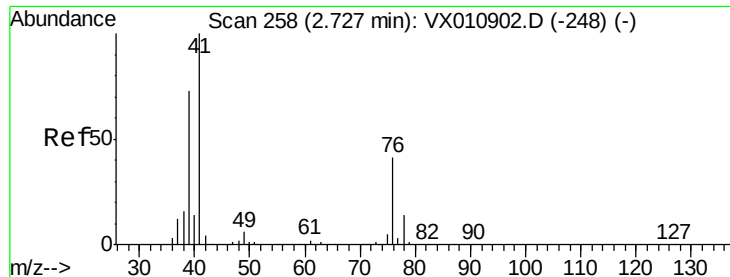
#13
Acrolein
Concen: 1.569 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX010944.D
Acq: 17 Jul 2019 18:26

Tgt Ion: 56 Resp: 492
Ion Ratio Lower Upper
56 100
55 0.0 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0

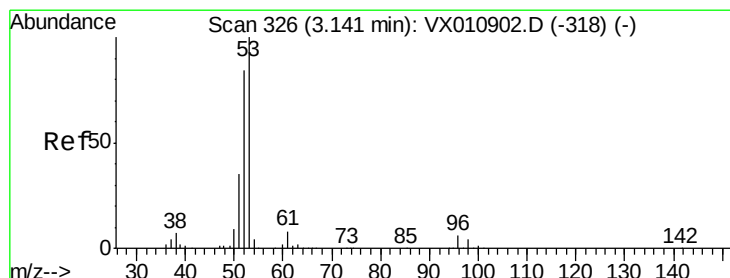
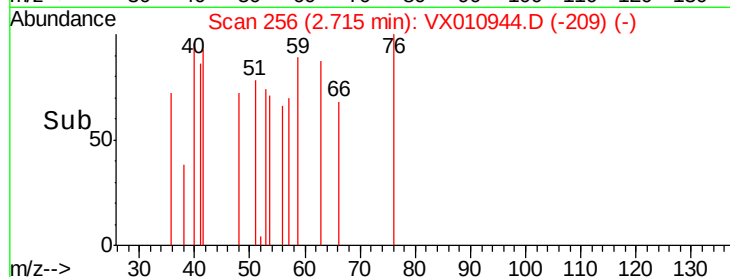
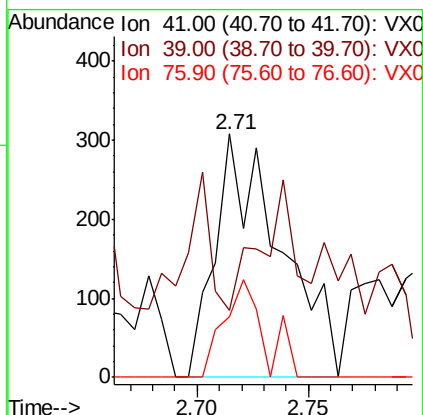
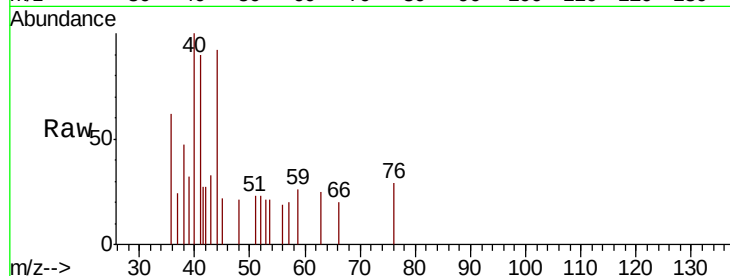




#14
Allvl chloride
Concen: 0.220 ug/l
RT: 2.71 min Scan# 256
Delta R.T. -0.01 min
Lab File: VX010944.D
Acq: 17 Jul 2019 18:26

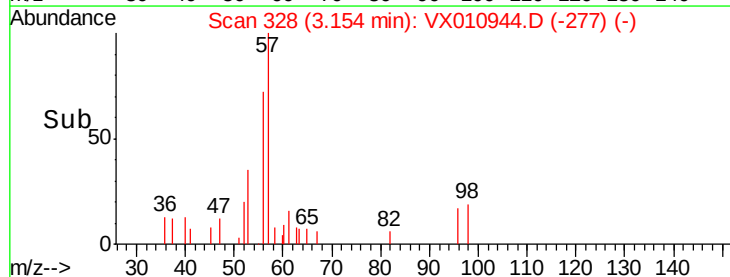
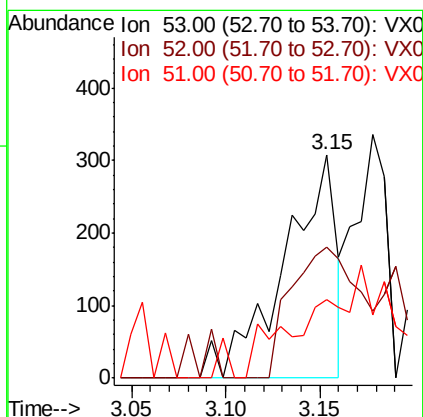
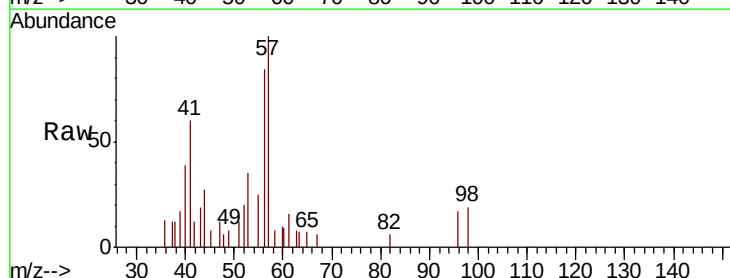
Instrument :
MSVOA_X
ClientSampled :
FL-0611DL

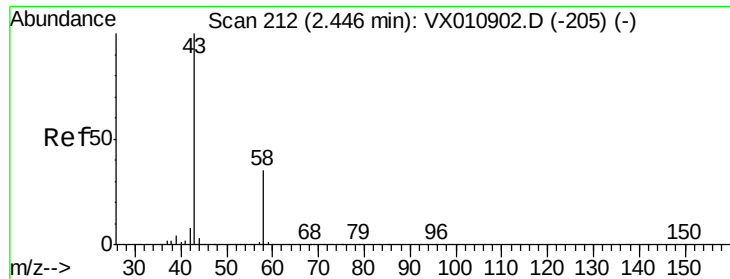
Tot Ion: 41 Resp: 624
Ion Ratio Lower Upper
41 100
39 20.5 53.6 80.4#
76 24.8 29.7 44.5#



#15
Acrylonitrile
Concen: 0.538 ug/l
RT: 3.15 min Scan# 328
Delta R.T. 0.01 min
Lab File: VX010944.D
Acq: 17 Jul 2019 18:26

Tgt Ion: 53 Resp: 590
Ion Ratio Lower Upper
53 100
52 76.6 66.5 99.7
51 0.0 28.2 42.4#





#16

Acetone

Concen: 0.454 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010944.D

Acq: 17 Jul 2019 18:26

Instrument :

MSVOA_X

ClientSampled :

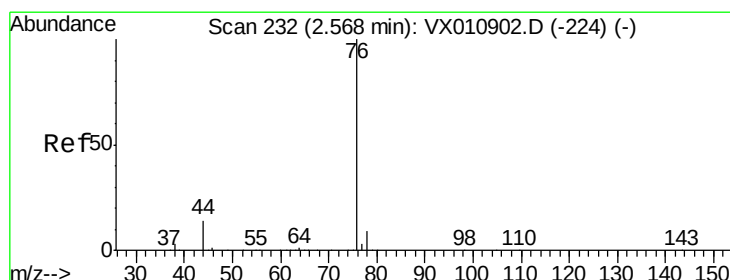
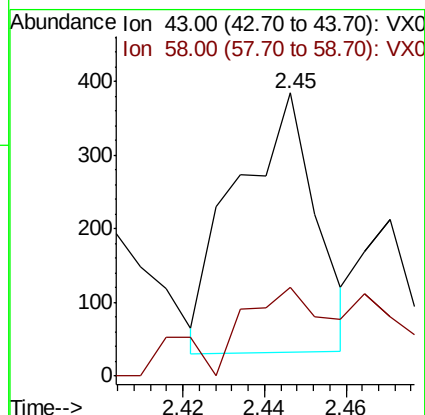
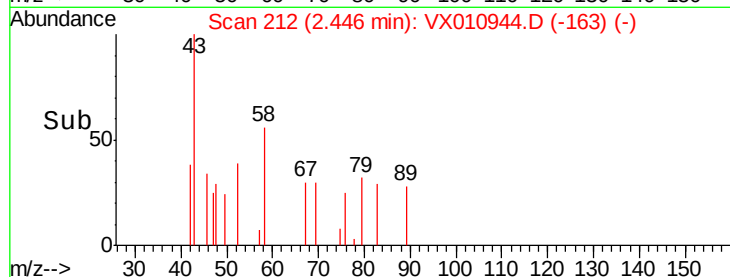
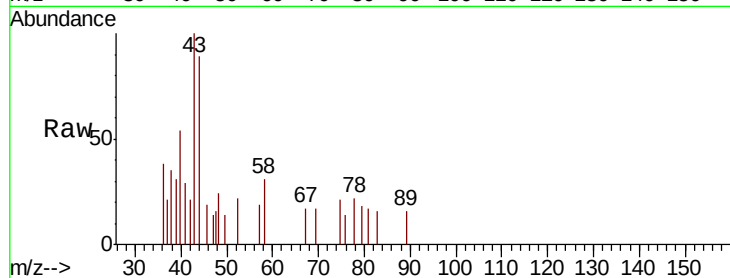
FL-0611DL

Tot Ion: 43 Resp: 478

Ion Ratio Lower Upper

43 100

58 21.0 27.7 41.5#



#17

Carbon Disulfide

Concen: 0.573 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX010944.D

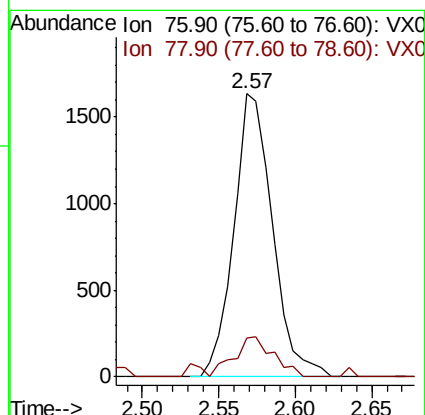
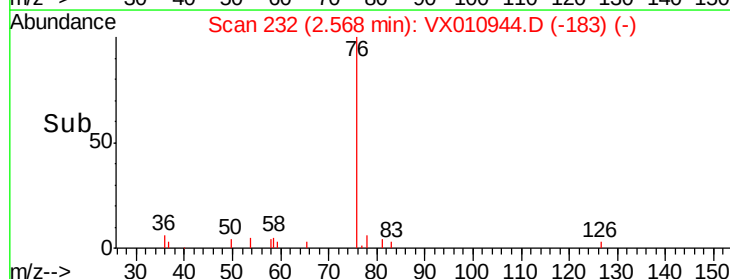
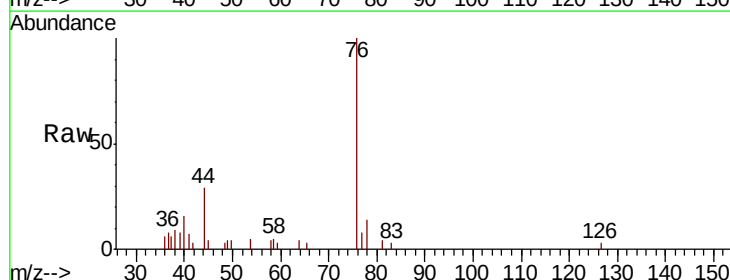
Acq: 17 Jul 2019 18:26

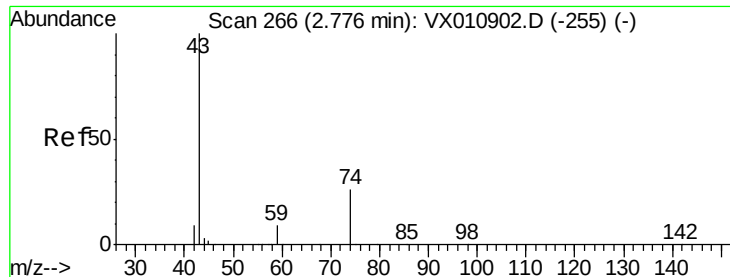
Tgt Ion: 76 Resp: 2866

Ion Ratio Lower Upper

76 100

78 10.2 7.4 11.0

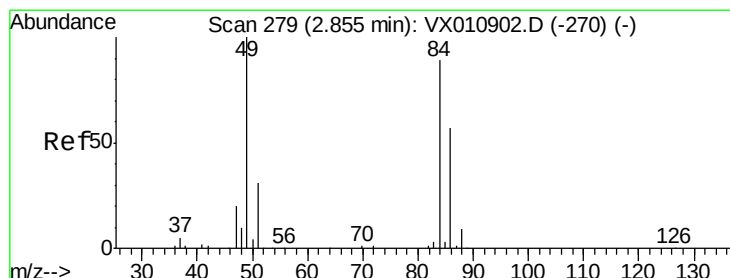
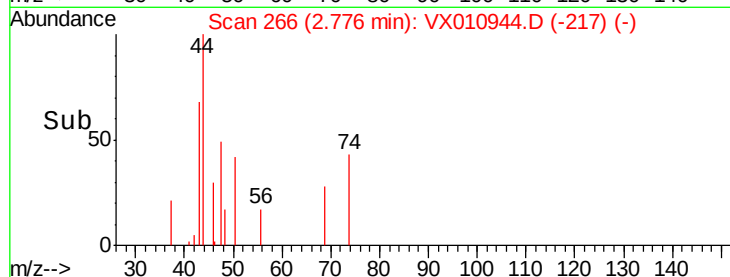
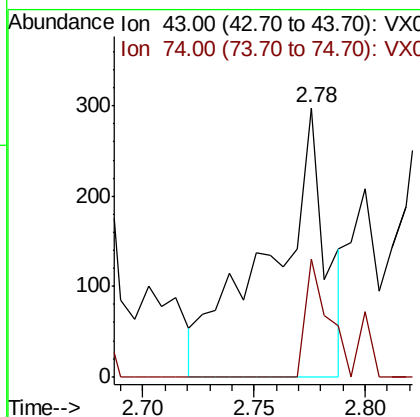
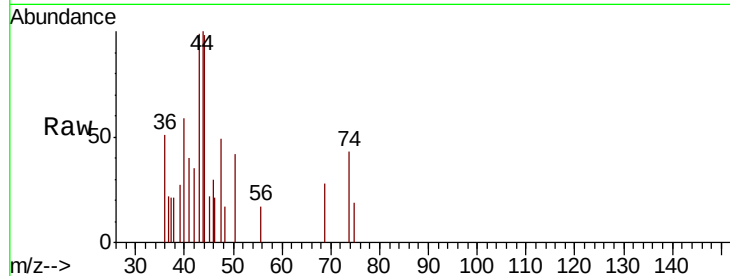




#18
Methvl Acetate
Concen: 0.217 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX010944.D
Acq: 17 Jul 2019 18:26

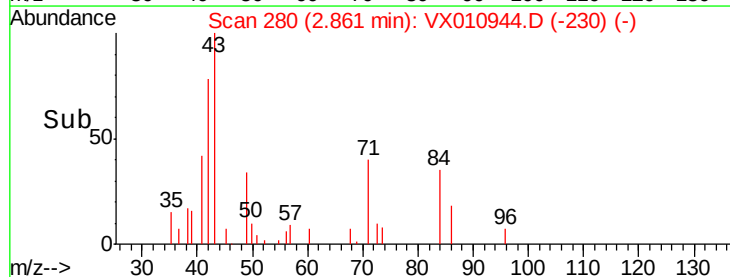
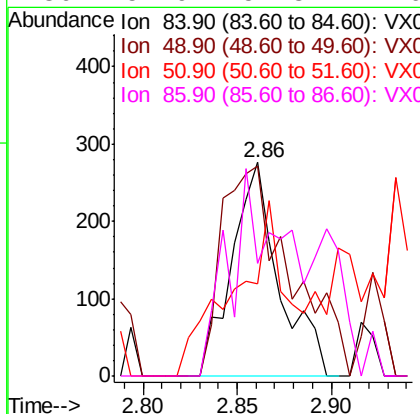
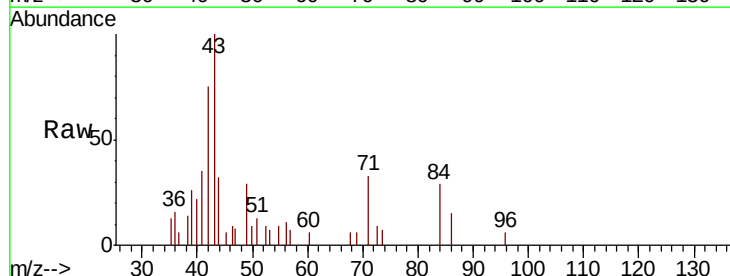
Instrument :
MSVOA_X
ClientSampled :
FL-0611DL

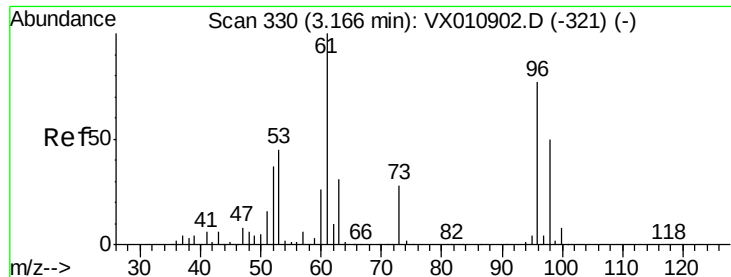
Tot Ion: 43 Resp: 521
Ion Ratio Lower Upper
43 100
74 17.9 21.5 32.3#



#20
Methylene Chloride
Concen: 0.214 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010944.D
Acq: 17 Jul 2019 18:26

Tgt Ion: 84 Resp: 478
Ion Ratio Lower Upper
84 100
49 98.2 89.9 134.9
51 25.0 27.8 41.6#
86 52.9 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 0.248 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.01 min

Lab File: VX010944.D

Acq: 17 Jul 2019 18:26

Instrument :

MSVOA_X

ClientSampleId :

FL-0611DL

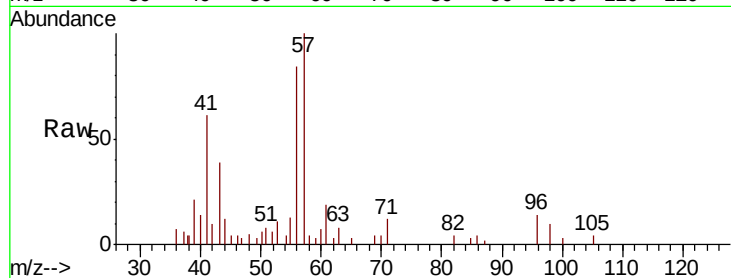
Tot Ion: 96 Resp: 513

Ion Ratio Lower Upper

96 100

61 132.0 104.2 156.2

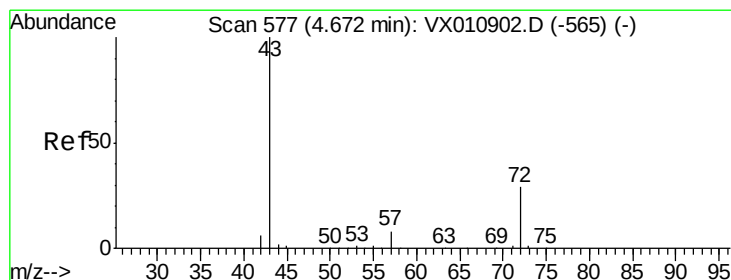
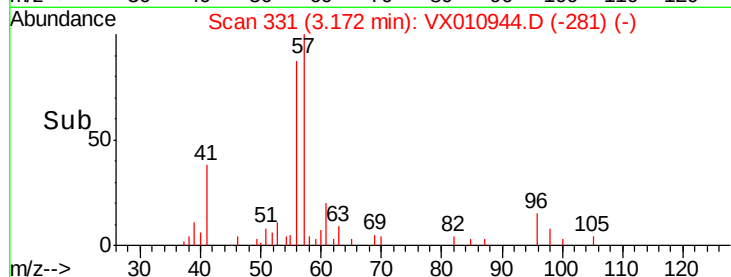
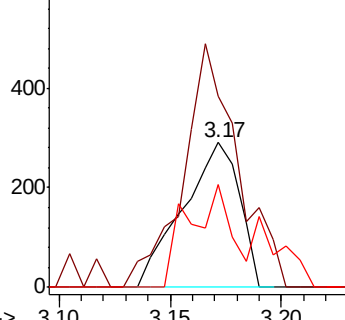
98 70.8 52.2 78.4



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#25

2-Butanone

Concen: 0.299 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX010944.D

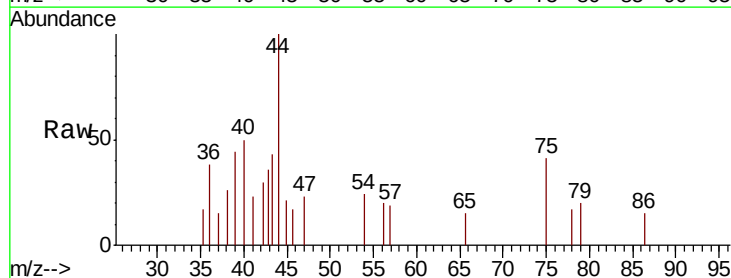
Acq: 17 Jul 2019 18:26

Tgt Ion: 43 Resp: 451

Ion Ratio Lower Upper

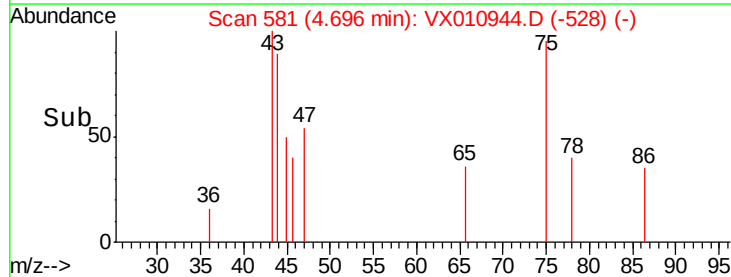
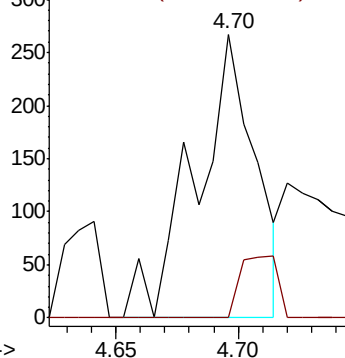
43 100

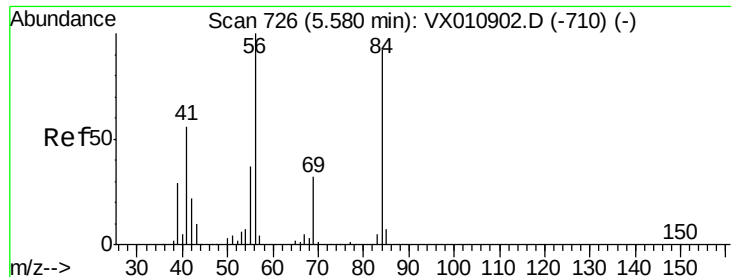
72 0.0 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

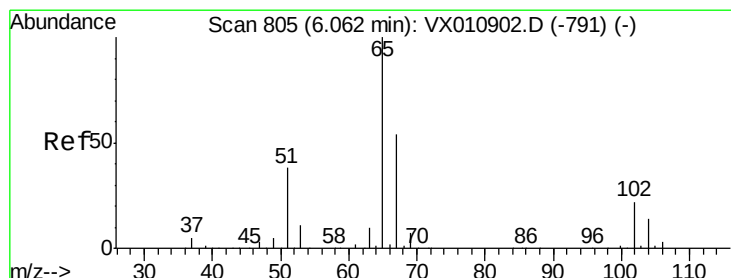
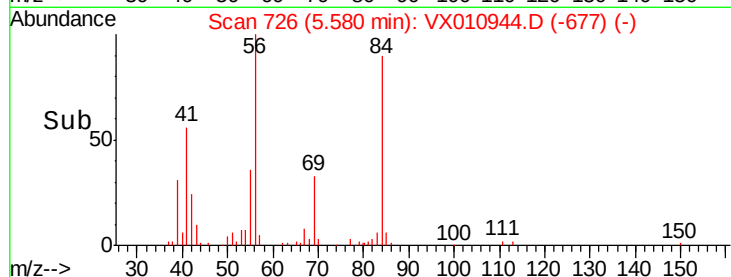
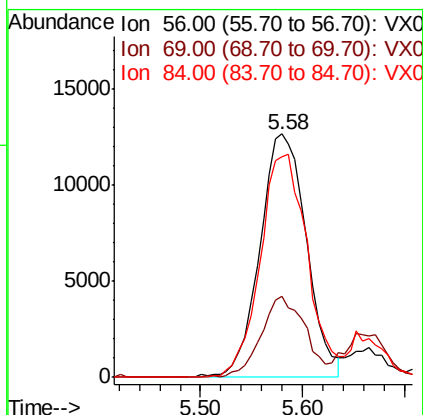
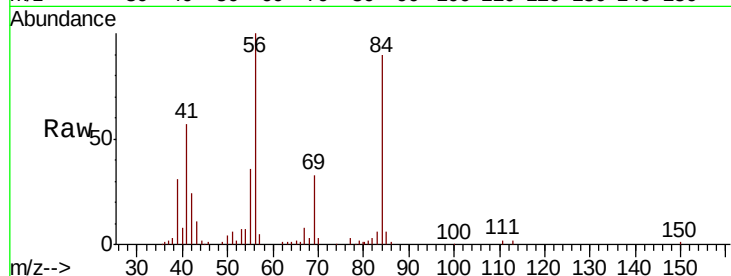




#31
Cyclohexane
Concen: 12.682 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX010944.D
Acq: 17 Jul 2019 18:26

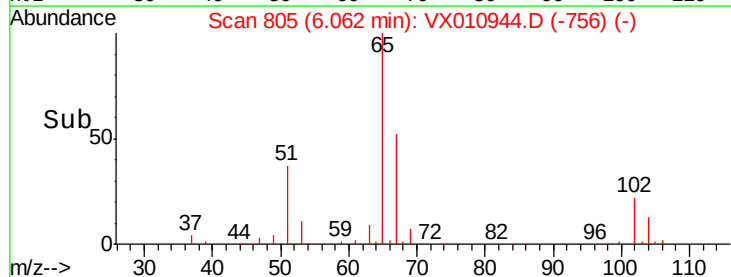
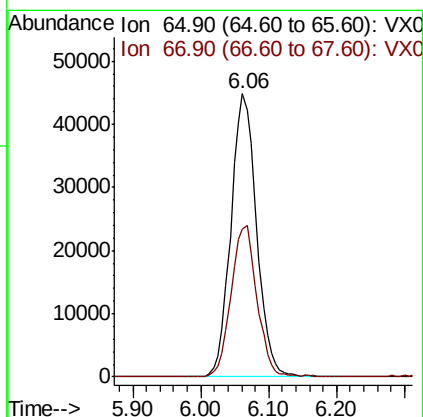
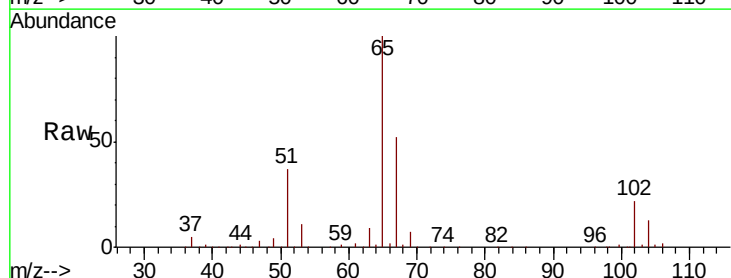
Instrument :
MSVOA_X
ClientSampleId :
FL-0611DL

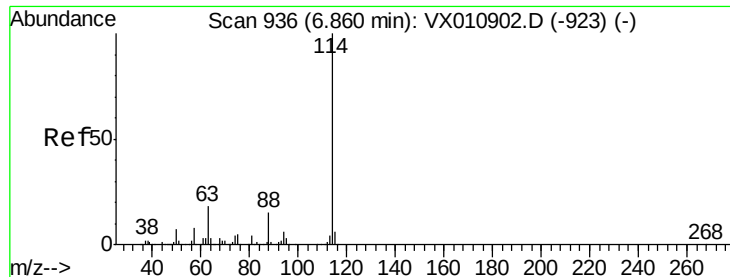
Tot Ion: 56 Resp: 40123
Ion Ratio Lower Upper
56 100
69 33.4 25.8 38.8
84 90.3 73.8 110.6



#33
1,2-Dichloroethane-d4
Concen: 50.393 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX010944.D
Acq: 17 Jul 2019 18:26

Tgt Ion: 65 Resp: 117423
Ion Ratio Lower Upper
65 100
67 53.7 0.0 107.8

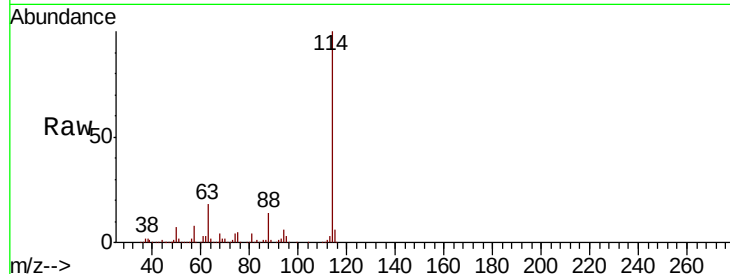




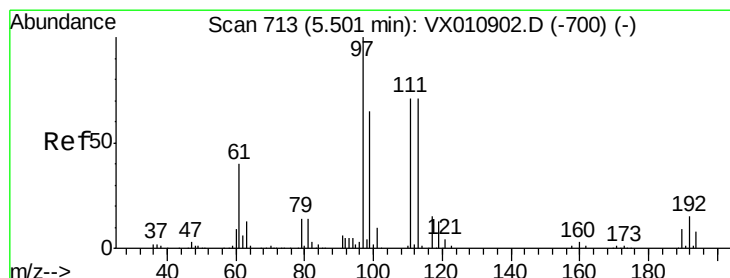
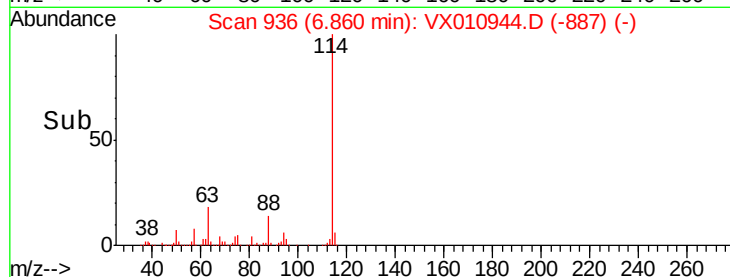
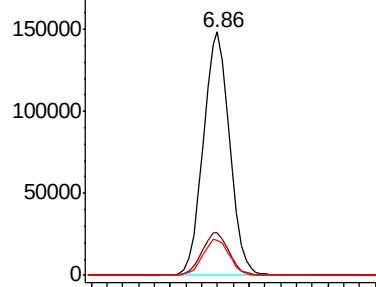
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX010944.D
Acq: 17 Jul 2019 18:26

Instrument :
MSVOA_X
ClientSampleId :
FL-0611DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	35.6
88	14.2	0.0	29.8

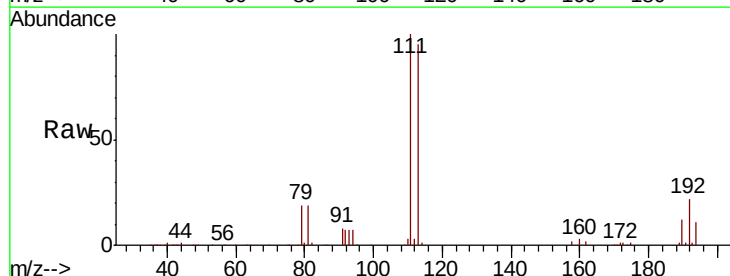


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

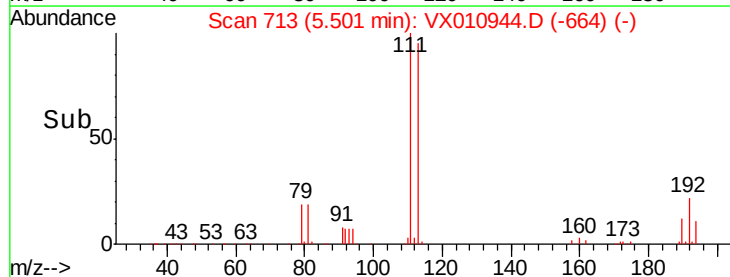
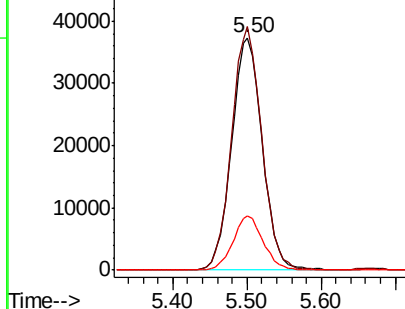


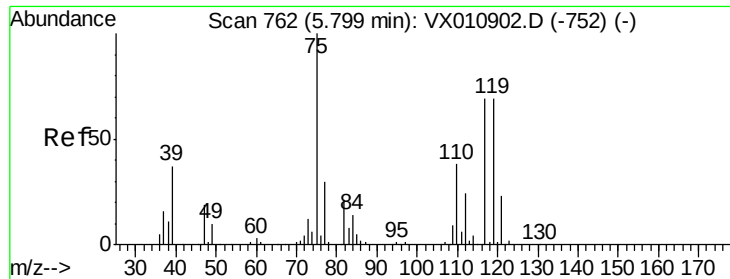
#35
Dibromofluoromethane
Concen: 49.219 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX010944.D
Acq: 17 Jul 2019 18:26

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.3	123.5
192	22.7	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

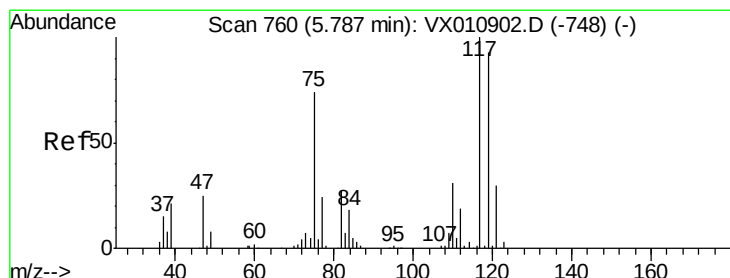
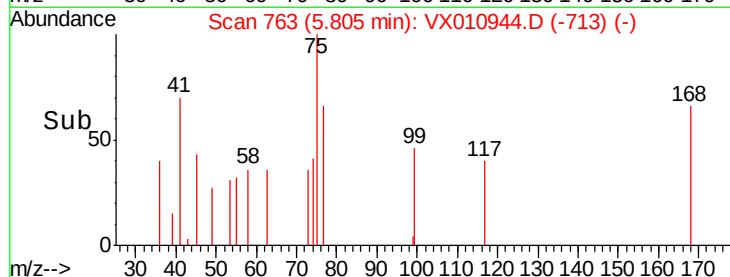
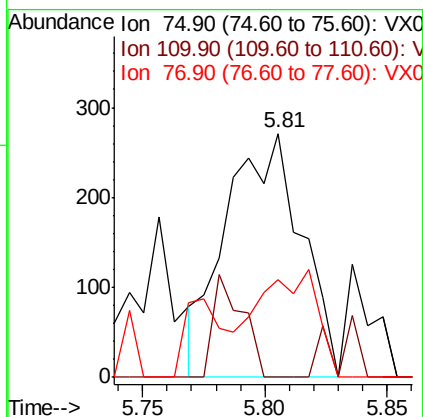
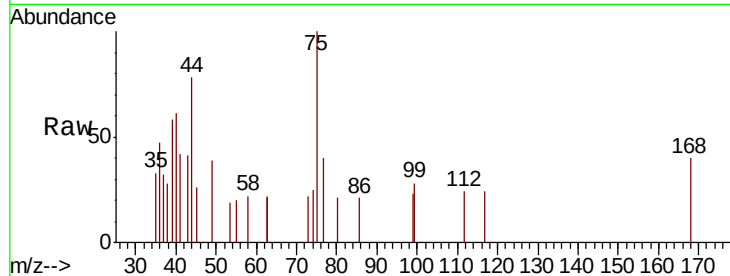




#36
 1,1-Dichloropropene
 Concen: 0.204 ug/l
 RT: 5.81 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VX010944.D
 Acq: 17 Jul 2019 18:26

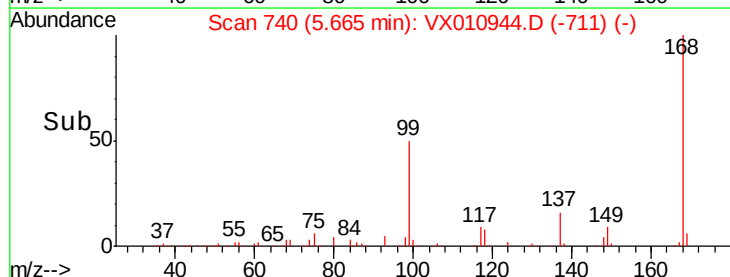
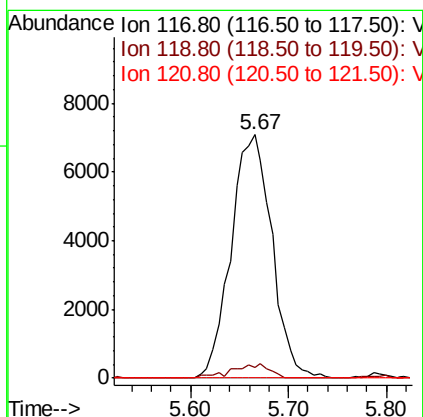
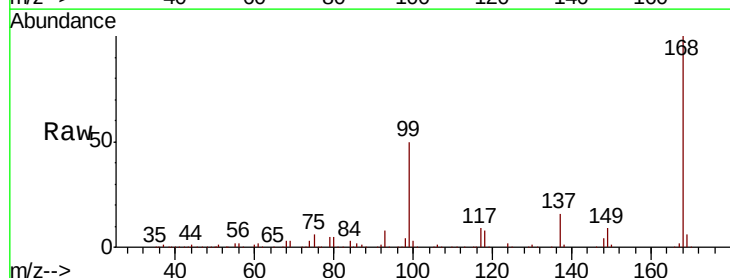
Instrument :
 MSVOA_X
 ClientSampleID :
 FL-0611DL

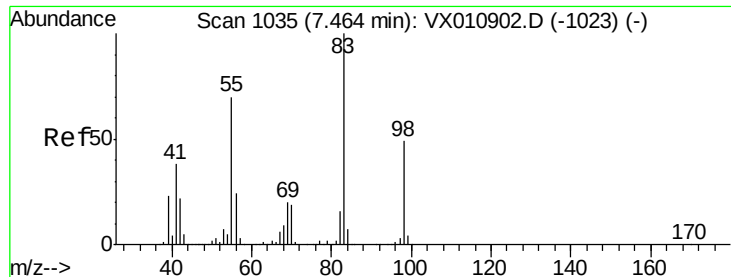
Tot Ion: 75 Resp: 578
 Ion Ratio Lower Upper
 75 100
 110 0.0 19.9 59.7#
 77 34.3 25.0 37.4



#38
 Carbon Tetrachloride
 Concen: 6.955 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX010944.D
 Acq: 17 Jul 2019 18:26

Tgt Ion: 117 Resp: 20515
 Ion Ratio Lower Upper
 117 100
 119 4.5 74.2 111.2#
 121 0.0 24.2 36.2#

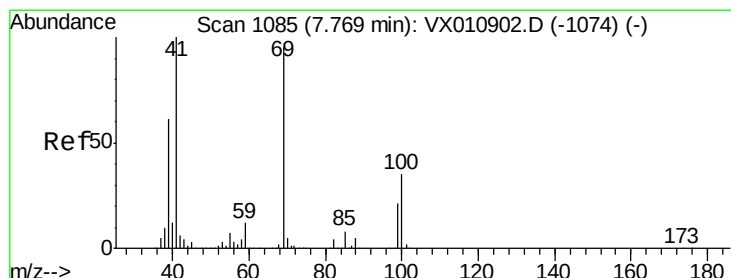
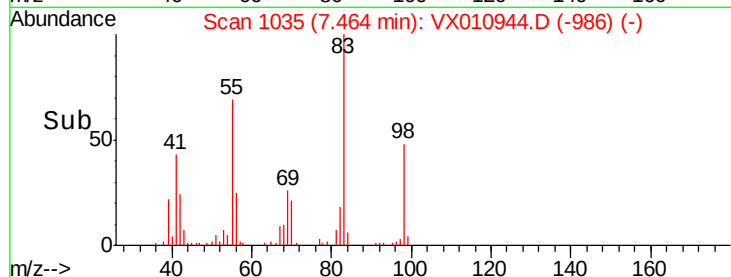
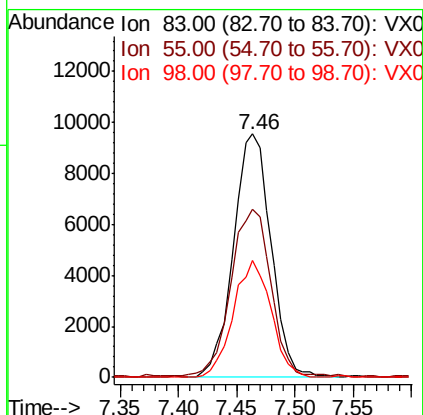
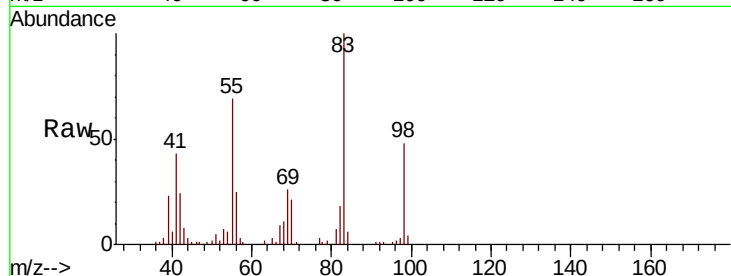




#39
Methylvlcyclohexane
Concen: 5.854 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010944.D
Acq: 17 Jul 2019 18:26

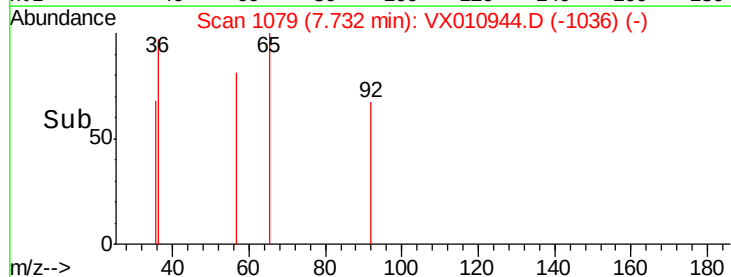
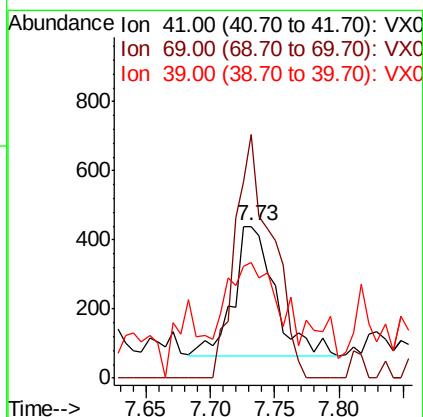
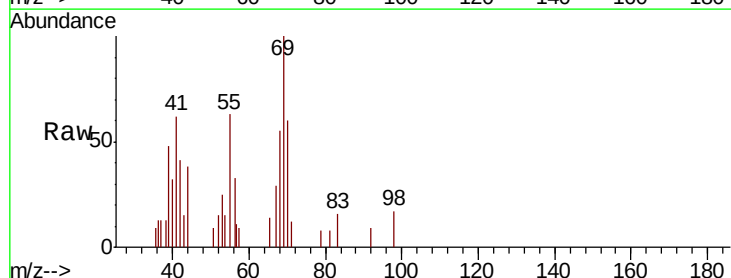
Instrument :
MSVOA_X
ClientSampled :
FL-0611DL

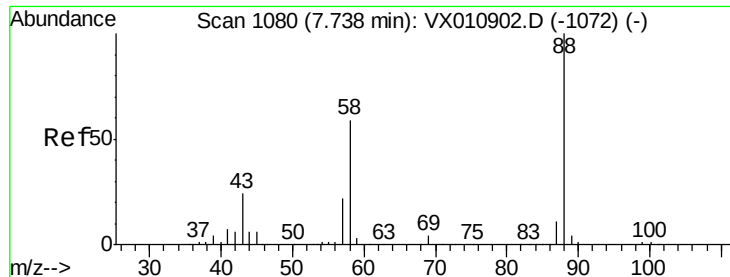
Tot Ion: 83 Resp: 21488
Ion Ratio Lower Upper
83 100
55 68.0 56.2 84.4
98 48.1 39.0 58.4



#48
Methyl methacrylate
Concen: 0.364 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.04 min
Lab File: VX010944.D
Acq: 17 Jul 2019 18:26

Tgt Ion: 41 Resp: 845
Ion Ratio Lower Upper
41 100
69 166.7 74.4 111.6#
39 101.7 48.9 73.3#

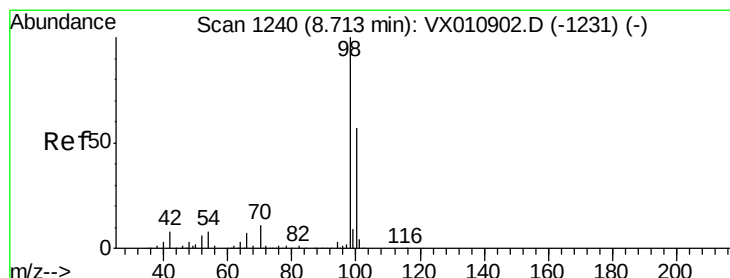
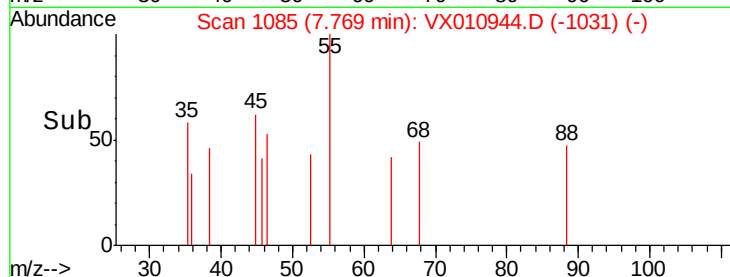
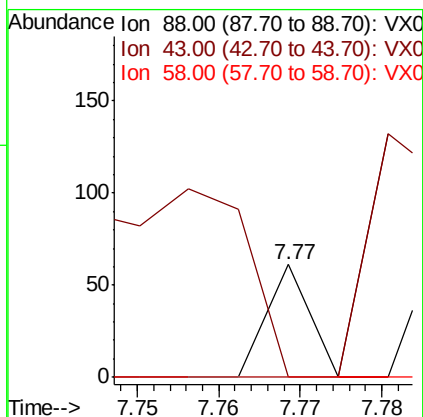
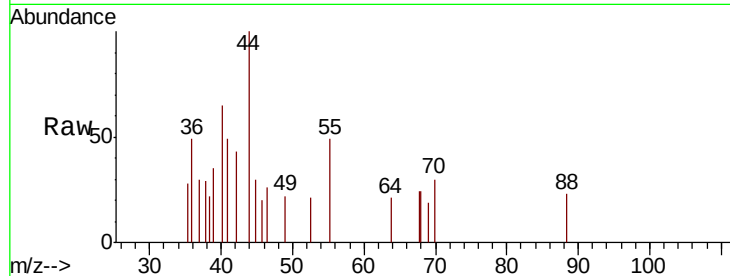




#49
1,4-Dioxane
Concen: 0.339 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.03 min
Lab File: VX010944.D
Acq: 17 Jul 2019 18:26

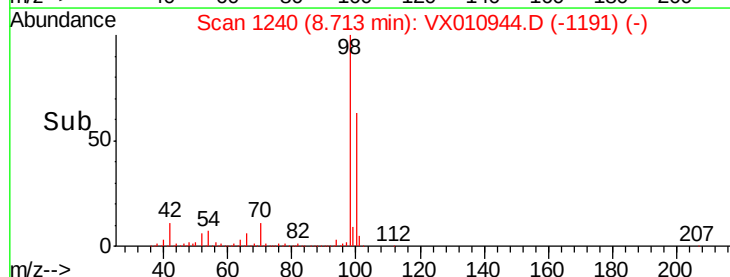
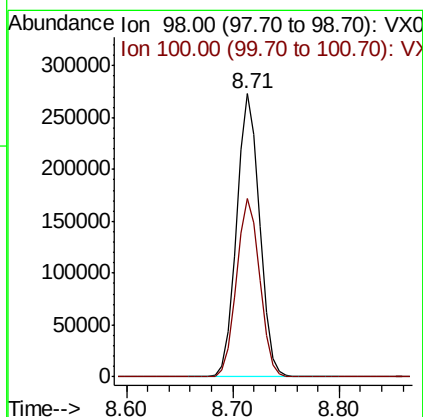
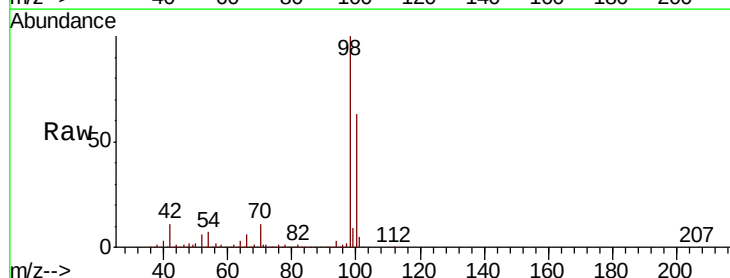
Instrument :
MSVOA_X
ClientSampled :
FL-0611DL

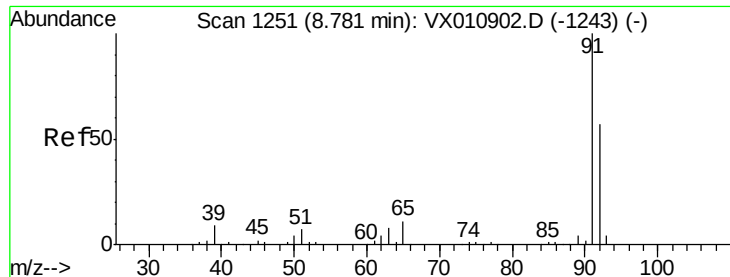
Tot Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 22.9 34.3#
58 0.0 49.8 74.8#



#50
Toluene-d8
Concen: 50.685 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010944.D
Acq: 17 Jul 2019 18:26

Tgt Ion: 98 Resp: 415786
Ion Ratio Lower Upper
98 100
100 63.7 50.6 75.8





#52

Toluene

Concen: 3.654 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX010944.D

Acq: 17 Jul 2019 18:26

Instrument :

MSVOA_X

ClientSampled :

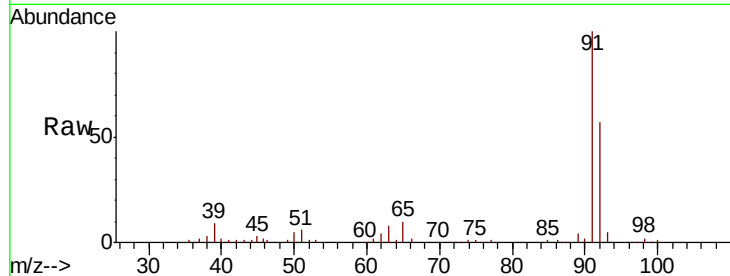
FL-0611DL

Tot Ion: 92 Resp: 20813

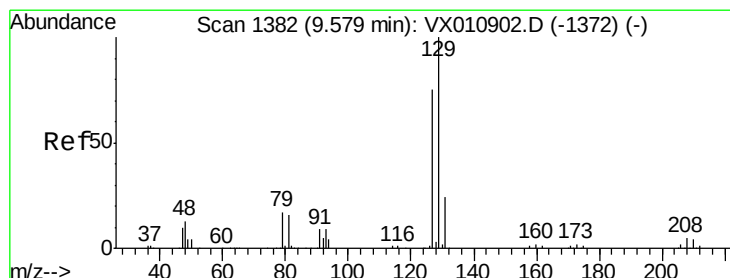
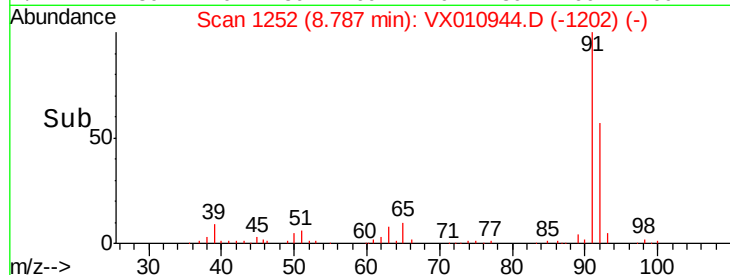
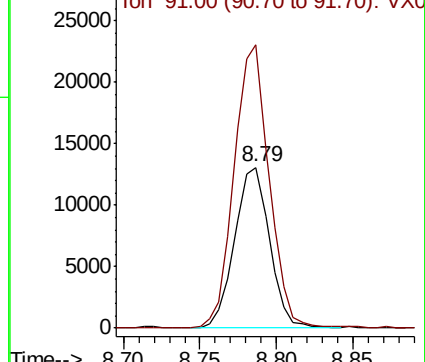
Ion Ratio Lower Upper

92 100

91 176.6 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VX010902.D (-1243) (-)



#60

Dibromochloromethane

Concen: 2.537 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.01 min

Lab File: VX010944.D

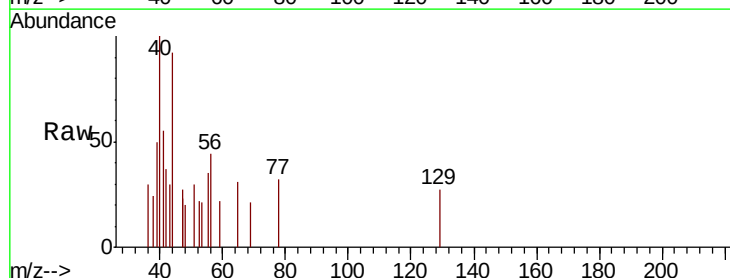
Acq: 17 Jul 2019 18:26

Tgt Ion: 129 Resp: 26

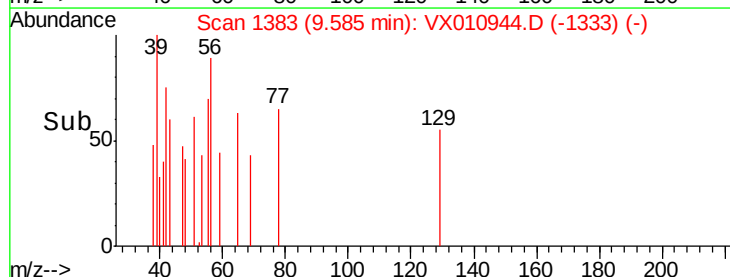
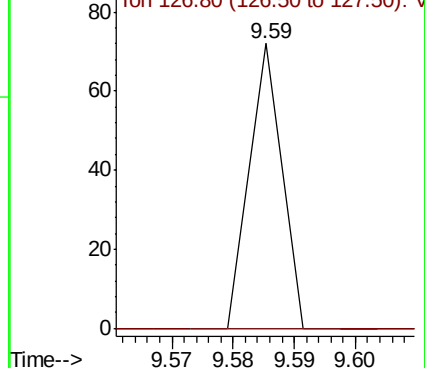
Ion Ratio Lower Upper

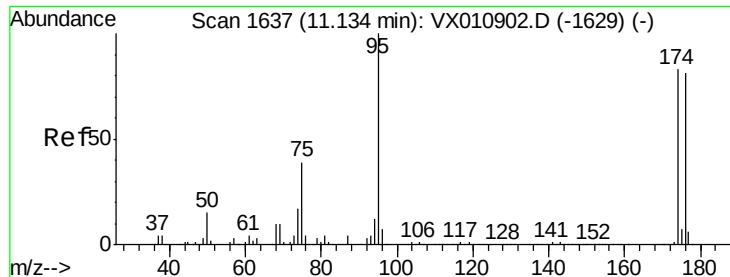
129 100

127 0.0 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): VX010902.D (-1372) (-)





#62

4-Bromofluorobenzene

Concen: 50.205 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010944.D

Acq: 17 Jul 2019 18:26

Instrument :

MSVOA_X

ClientSampleId :

FL-0611DL

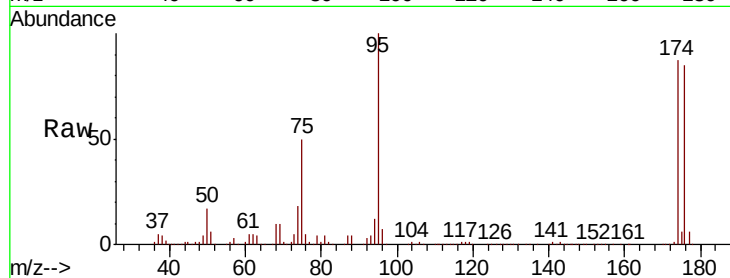
Tot Ion: 95 Resp: 151383

Ion Ratio Lower Upper

95 100

174 90.6 0.0 180.6

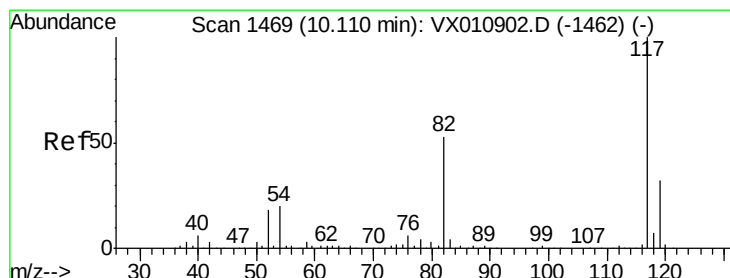
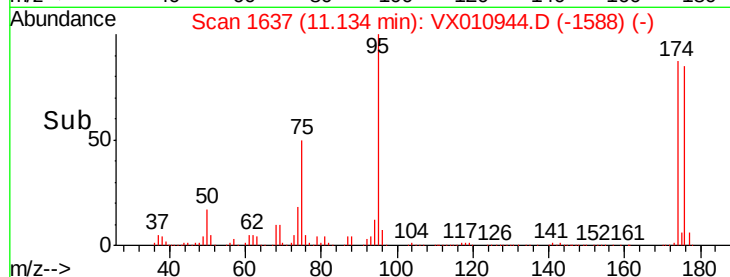
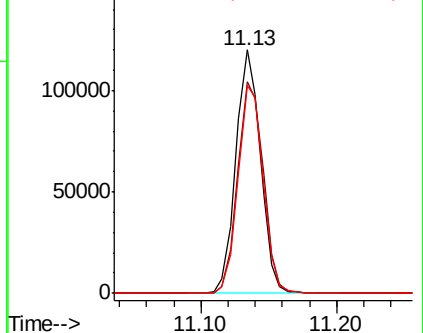
176 87.1 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010944.D

Acq: 17 Jul 2019 18:26

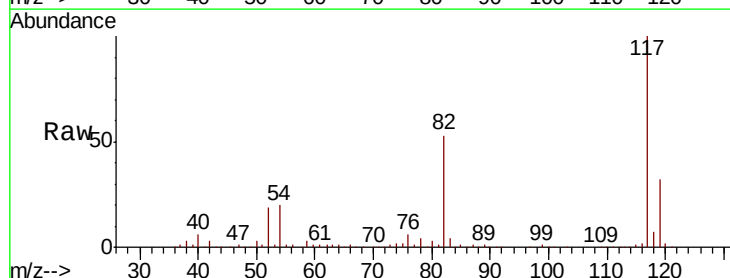
Tgt Ion: 117 Resp: 320797

Ion Ratio Lower Upper

117 100

82 53.4 42.6 63.8

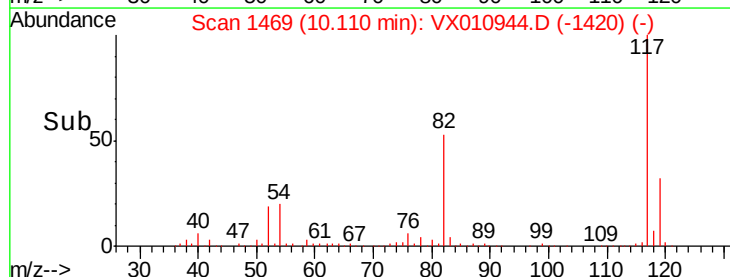
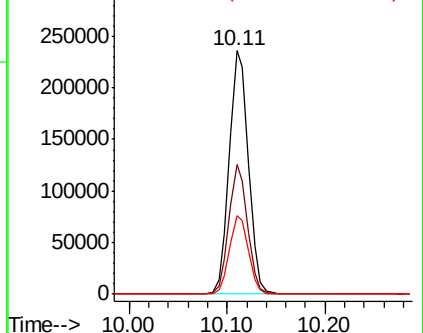
119 32.4 25.9 38.9

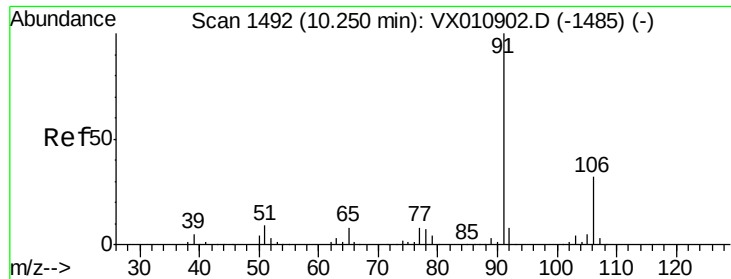


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

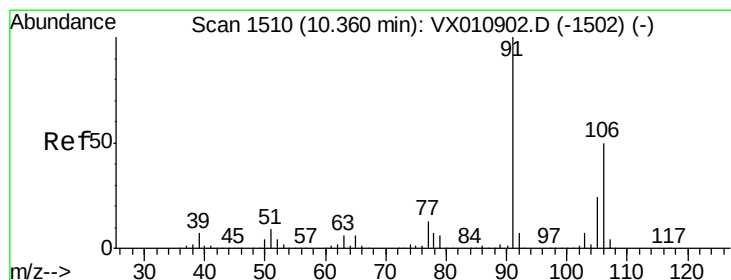
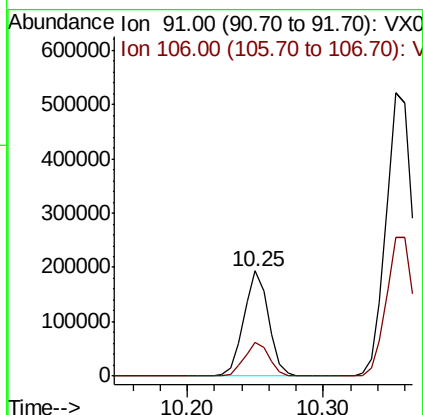
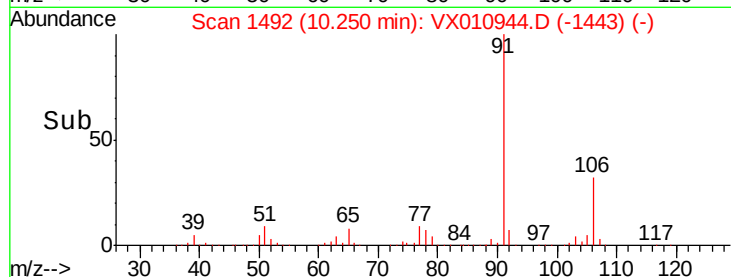
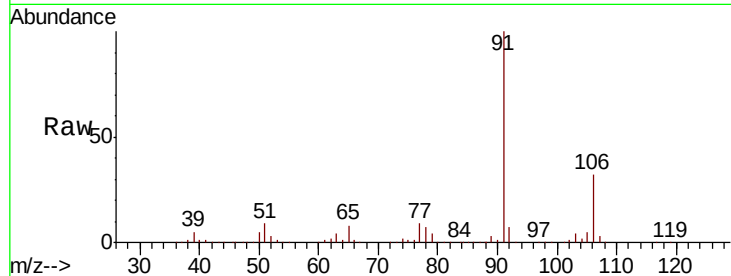




#67
Ethyl Benzene
Concen: 21.964 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010944.D
Acq: 17 Jul 2019 18:26

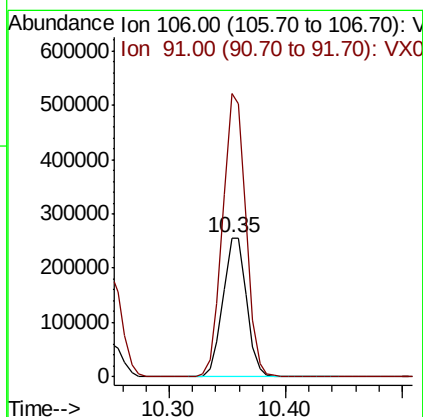
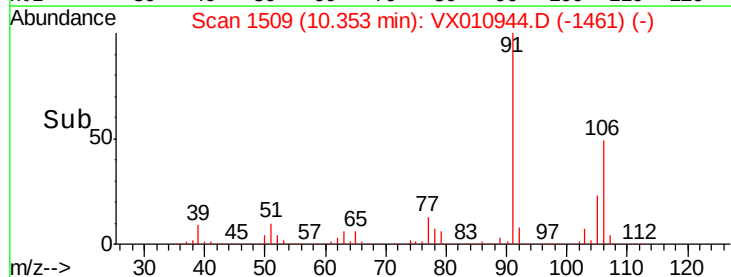
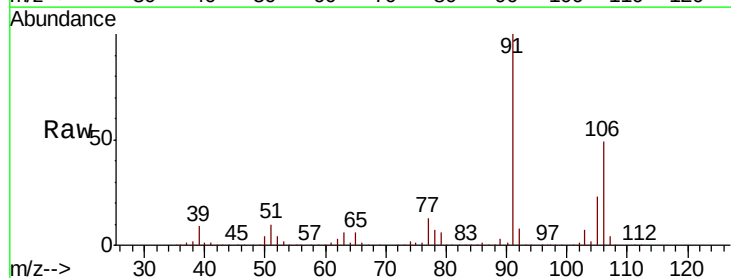
Instrument :
MSVOA_X
ClientSampleID :
FL-0611DL

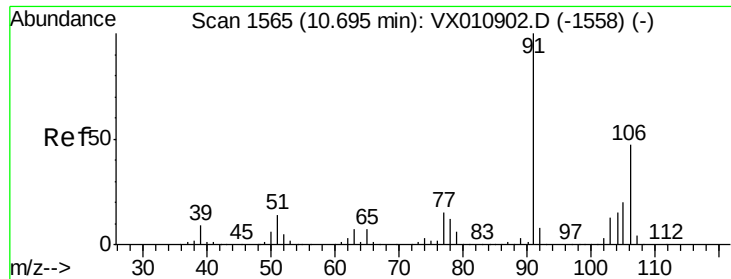
Tot Ion: 91 Resp: 246326
Ion Ratio Lower Upper
91 100
106 32.4 25.4 38.2



#68
m/p-Xylenes
Concen: 83.496 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX010944.D
Acq: 17 Jul 2019 18:26

Tgt Ion: 106 Resp: 359203
Ion Ratio Lower Upper
106 100
91 199.7 160.1 240.1

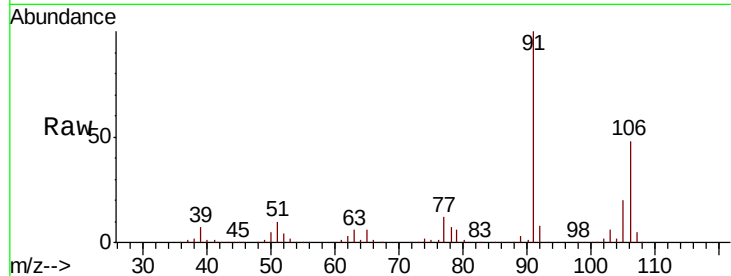




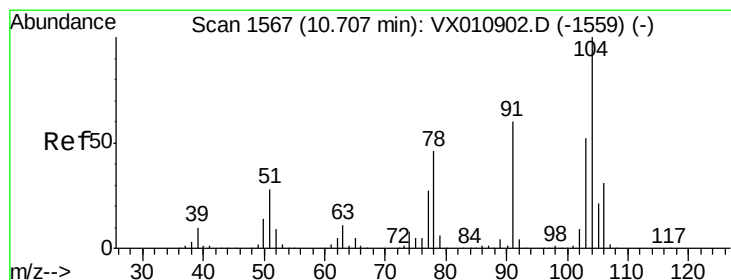
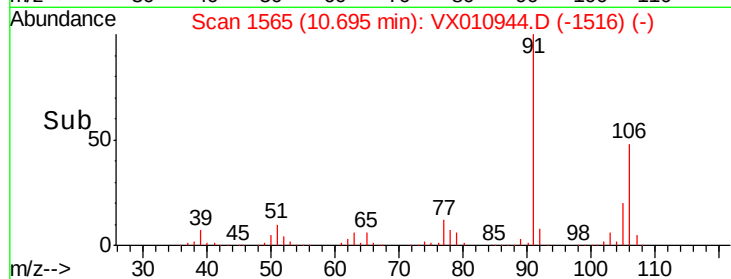
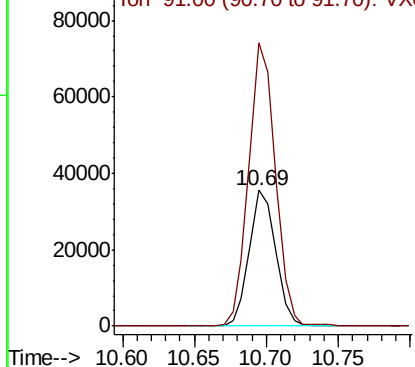
#69
o-Xylene
Concen: 10.793 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010944.D
Acq: 17 Jul 2019 18:26

Instrument :
MSVOA_X
ClientSampled :
FL-0611DL

Tot Ion:106 Resp: 45315
Ion Ratio Lower Upper
106 100
91 210.3 105.1 315.3

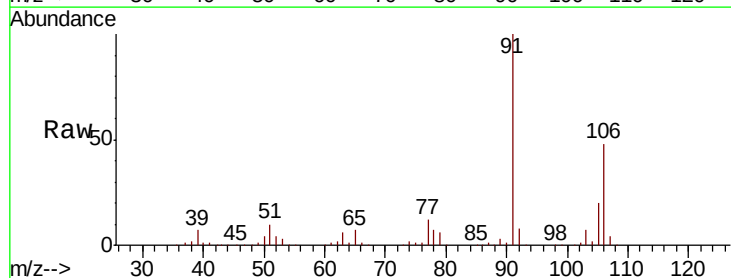


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

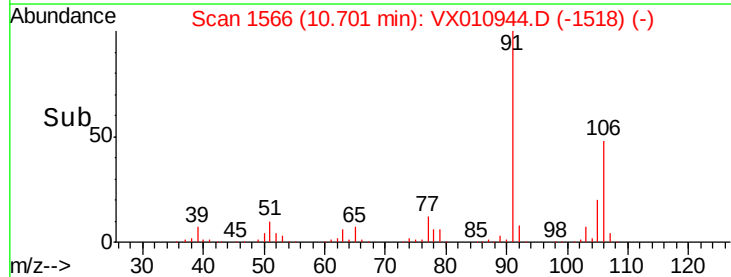
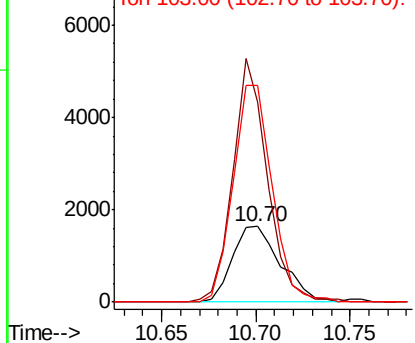


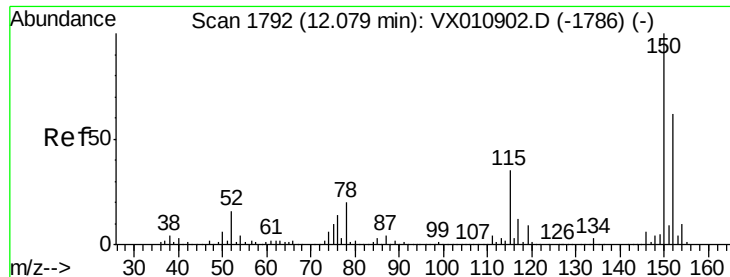
#70
Styrene
Concen: 0.415 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VX010944.D
Acq: 17 Jul 2019 18:26

Tgt Ion:104 Resp: 2906
Ion Ratio Lower Upper
104 100
78 230.6 38.8 58.2#
103 232.9 44.2 66.4#



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



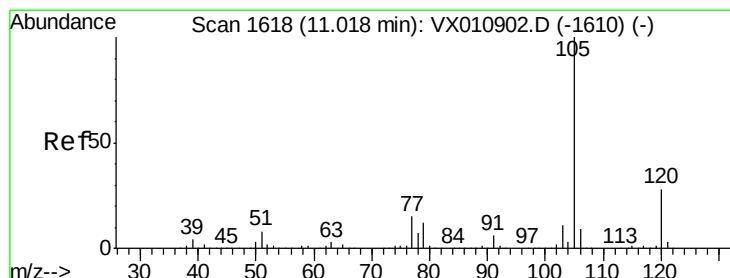
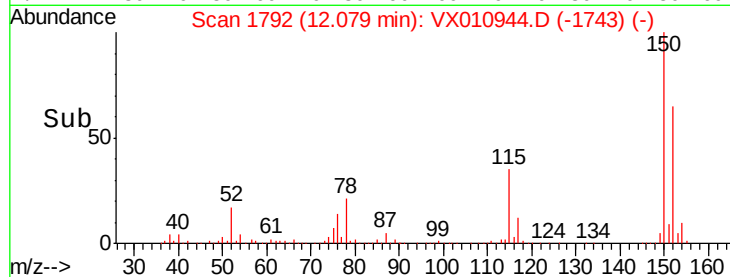
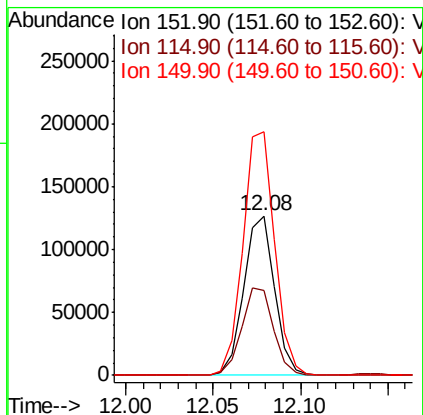
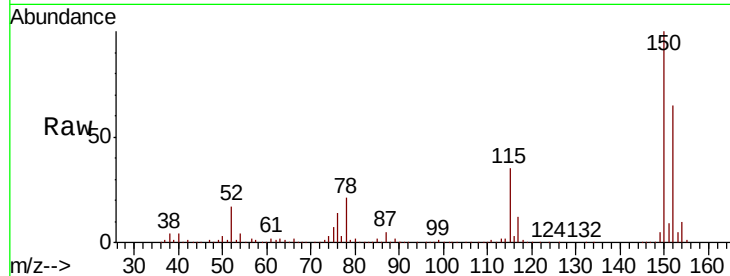


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010944.D
Acq: 17 Jul 2019 18:26

Instrument :
MSVOA_X
ClientSampled :
FL-0611DL

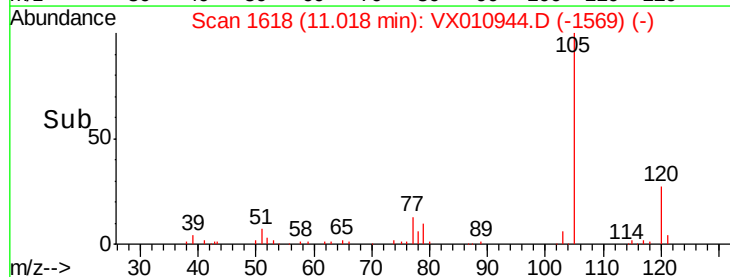
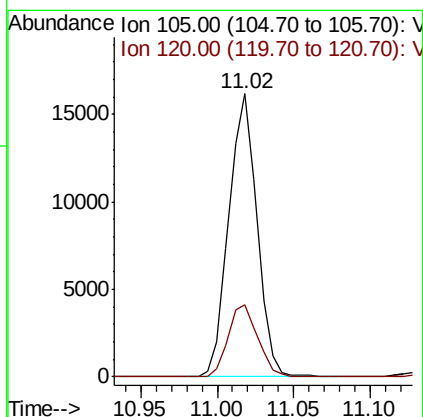
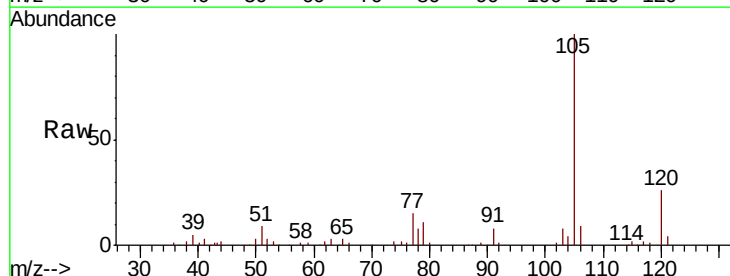
Tot Ion:152 Resp: 154823
Ion Ratio Lower Upper
152 100
115 56.0 39.7 119.1
150 156.8 0.0 345.6

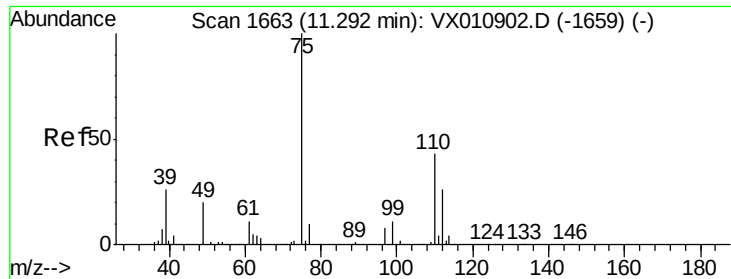


#73

Isopropylbenzene
Concen: 1.980 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX010944.D
Acq: 17 Jul 2019 18:26

Tgt Ion:105 Resp: 20713
Ion Ratio Lower Upper
105 100
120 26.5 13.7 41.1

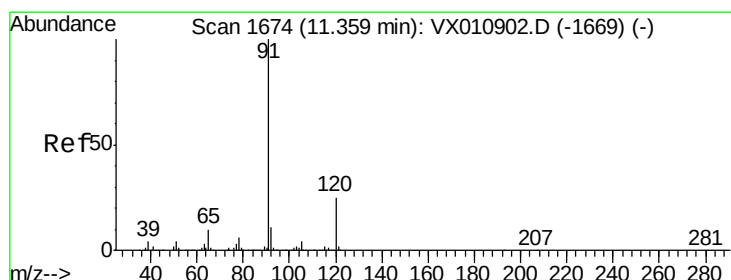
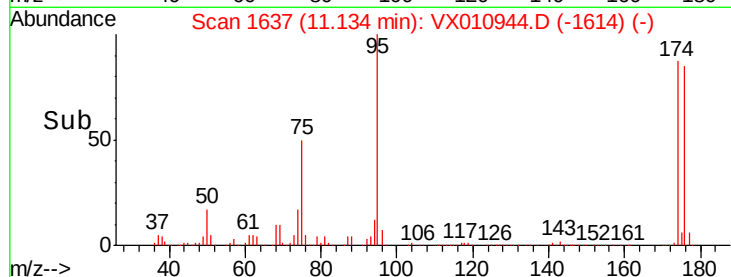
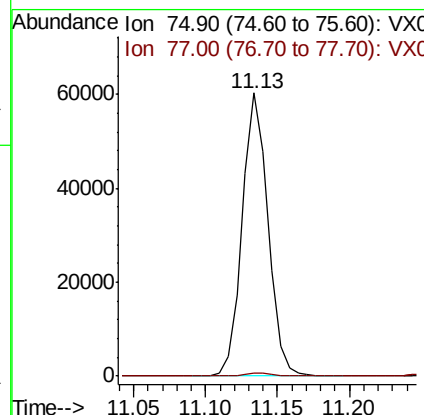
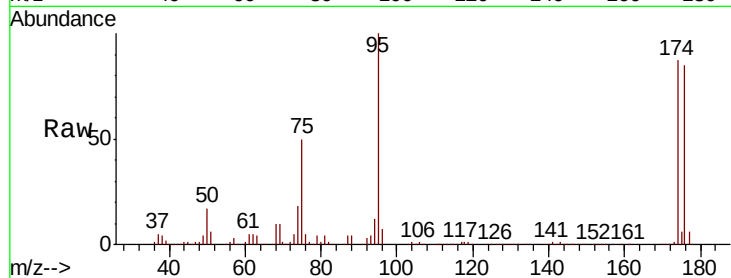




#76
1,2,3-Trichloropropane
Concen: 26.898 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX010944.D
Acq: 17 Jul 2019 18:26

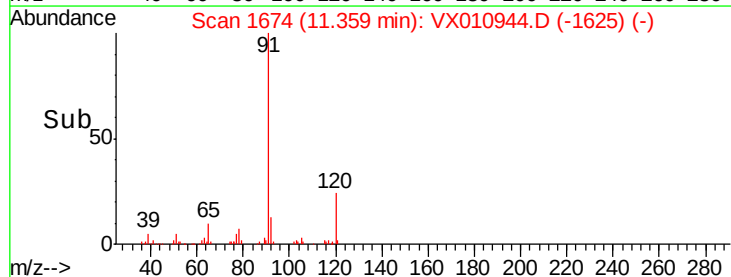
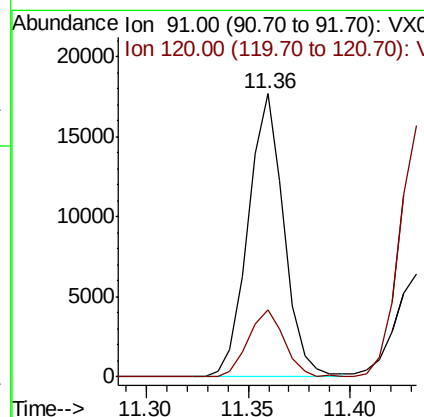
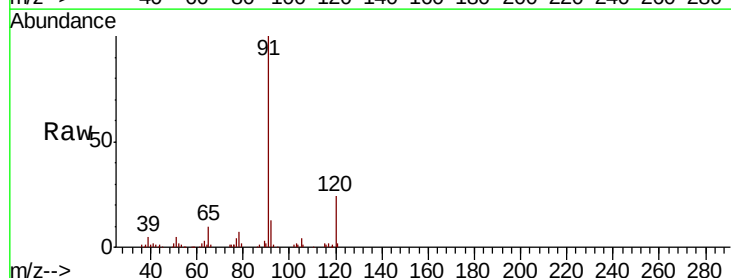
Instrument :
MSVOA_X
ClientSampled :
FL-0611DL

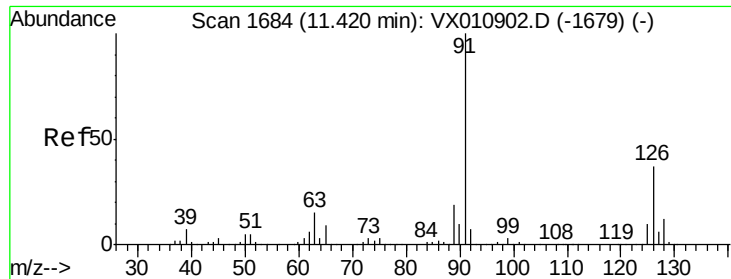
Tot Ion: 75 Resp: 75149
Ion Ratio Lower Upper
75 100
77 1.1 21.3 64.0#



#78
n-propylbenzene
Concen: 1.857 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX010944.D
Acq: 17 Jul 2019 18:26

Tgt Ion: 91 Resp: 21466
Ion Ratio Lower Upper
91 100
120 24.3 12.3 36.8





#79

2-Chlorotoluene

Concen: 1.616 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX010944.D

Acq: 17 Jul 2019 18:26

Instrument :

MSVOA_X

ClientSampleID :

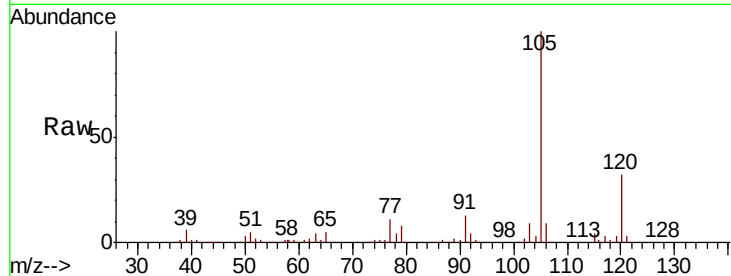
FL-0611DL

Tot Ion: 91 Resp: 11218

Ion Ratio Lower Upper

91 100

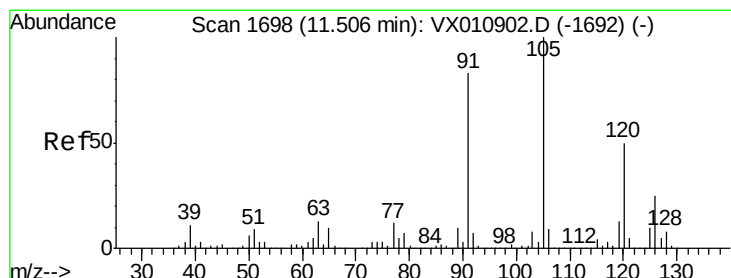
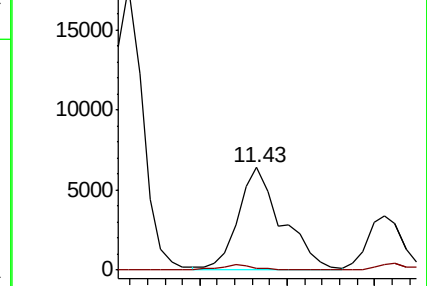
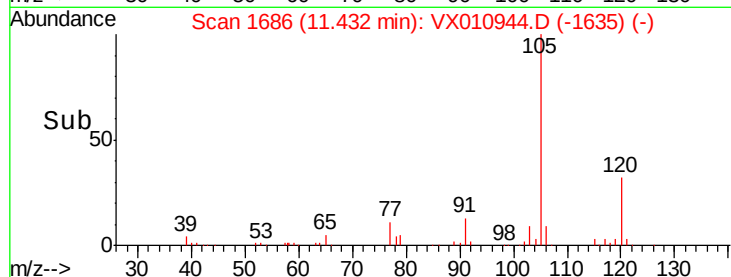
126 4.3 18.0 54.0#



Abundance Ion 91.00 (90.70 to 91.70): VX010902.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX010902.D (-1679) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 3.538 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010944.D

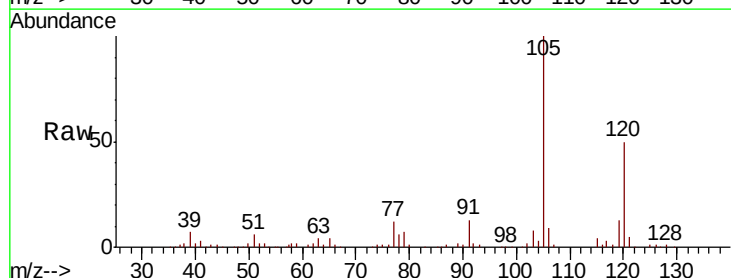
Acq: 17 Jul 2019 18:26

Tgt Ion: 105 Resp: 30926

Ion Ratio Lower Upper

105 100

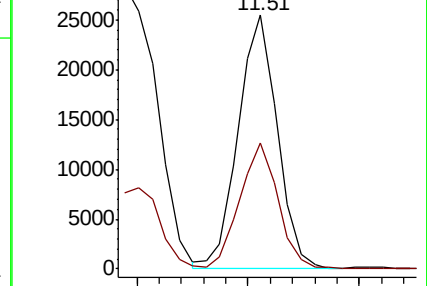
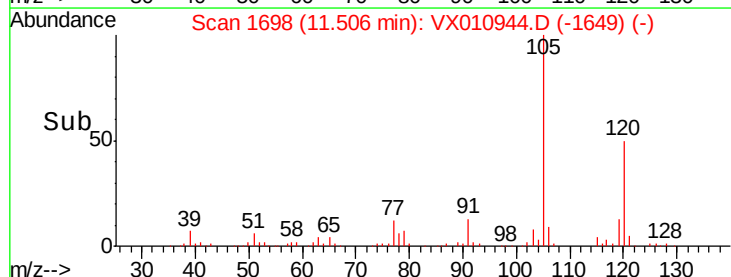
120 49.3 24.6 73.8

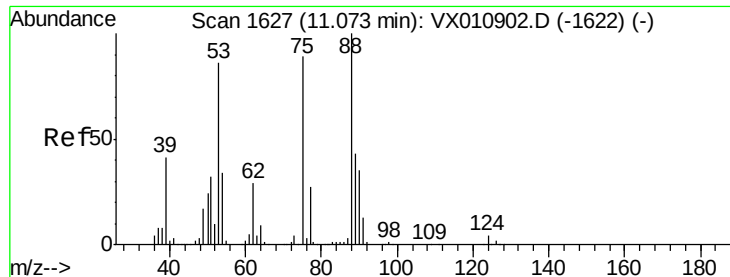


Abundance Ion 105.00 (104.70 to 105.70): VX010902.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX010902.D (-1692) (-)

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 66.703 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010944.D

Acq: 17 Jul 2019 18:26

Instrument :

MSVOA_X

ClientSampleId :

FL-0611DL

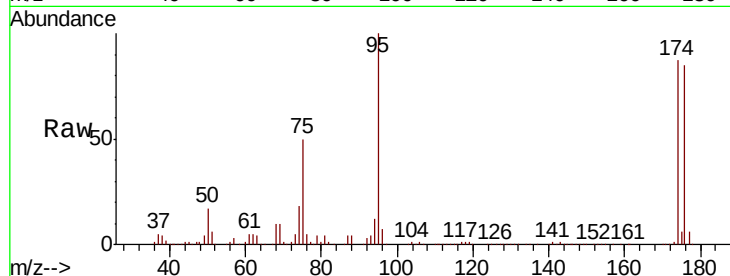
Tot Ion: 75 Resp: 75149

Ion Ratio Lower Upper

75 100

53 0.0 76.7 115.1#

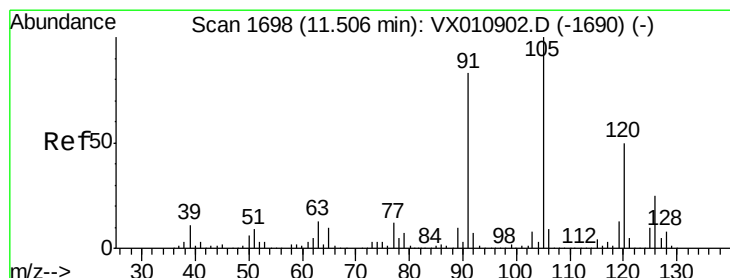
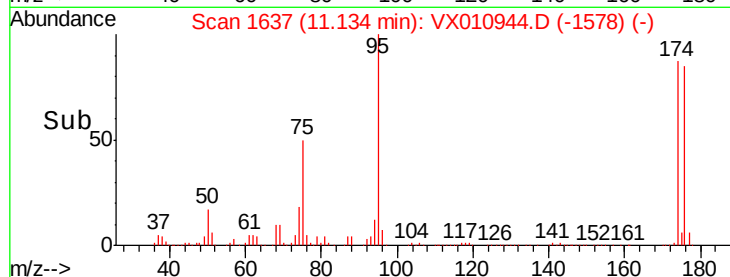
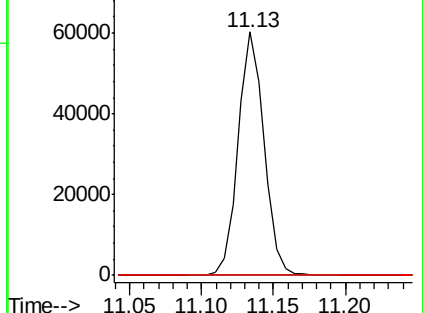
89 0.0 38.5 57.7#



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: 0.594 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010944.D

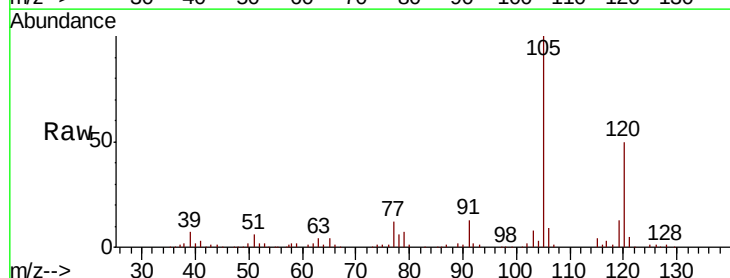
Acq: 17 Jul 2019 18:26

Tgt Ion: 91 Resp: 4802

Ion Ratio Lower Upper

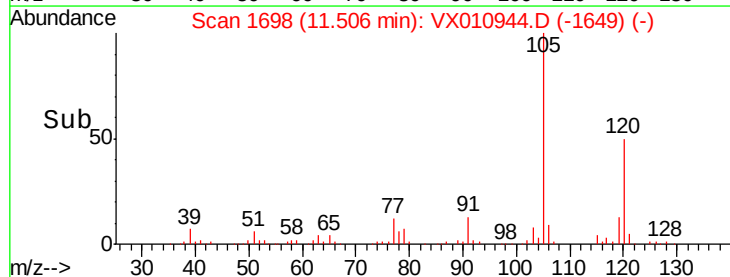
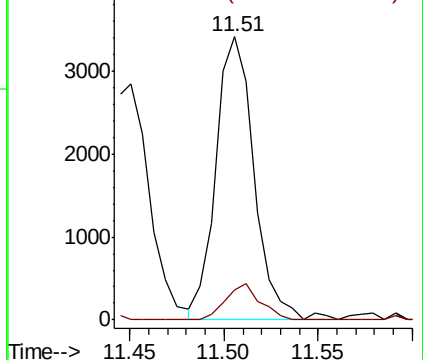
91 100

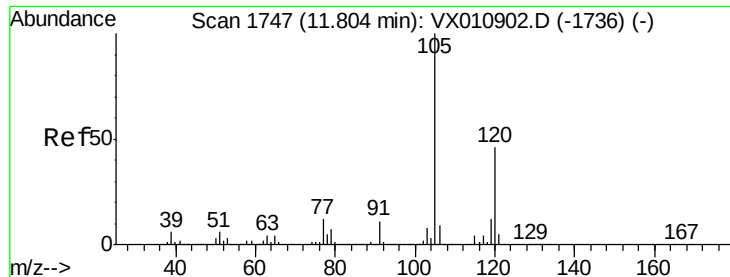
126 11.5 15.9 47.7#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

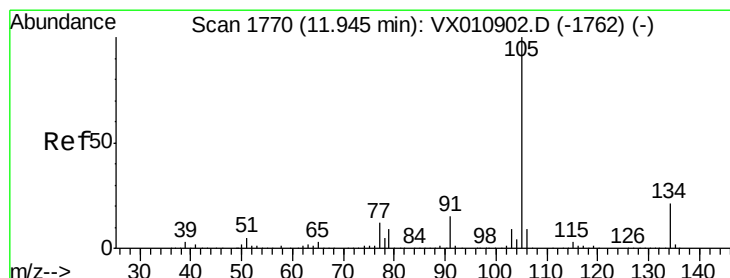
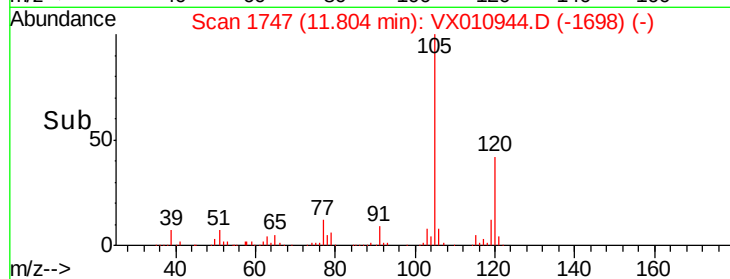
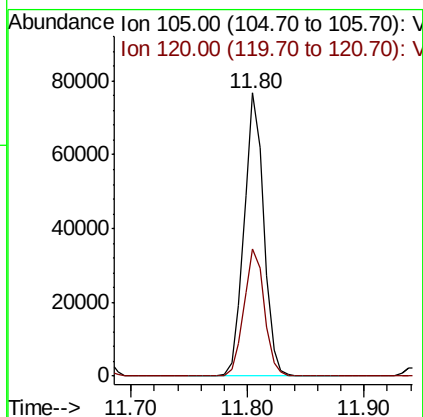
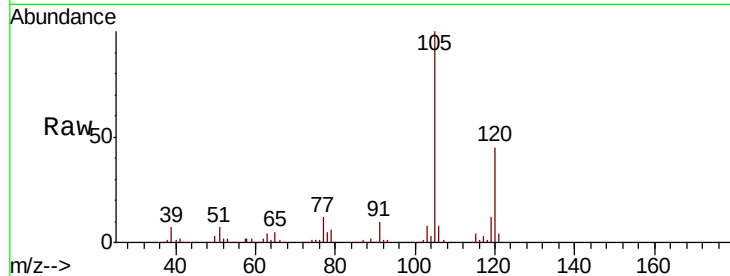




#84
 1,2,4-Trimethylbenzene
 Concen: 10.325 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX010944.D
 Acq: 17 Jul 2019 18:26

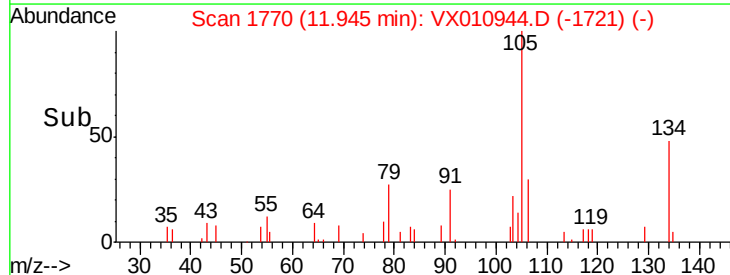
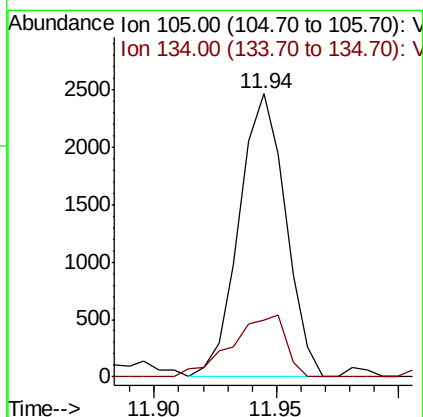
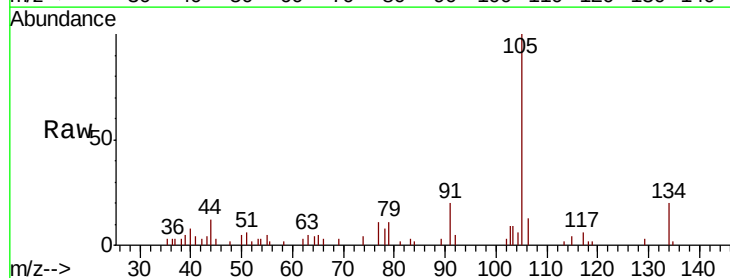
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0611DL

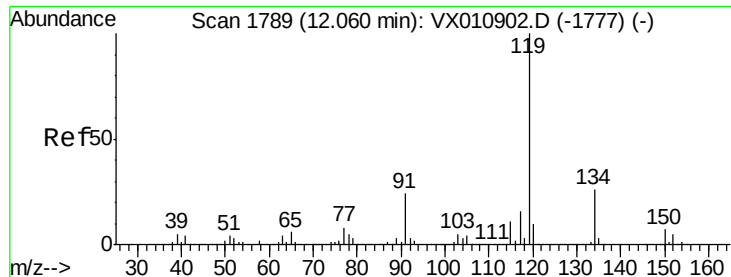
Tot Ion:105 Resp: 90973
 Ion Ratio Lower Upper
 105 100
 120 46.8 22.9 68.5



#85
 sec-Butylbenzene
 Concen: 0.326 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX010944.D
 Acq: 17 Jul 2019 18:26

Tgt Ion:105 Resp: 3280
 Ion Ratio Lower Upper
 105 100
 134 25.2 10.4 31.4

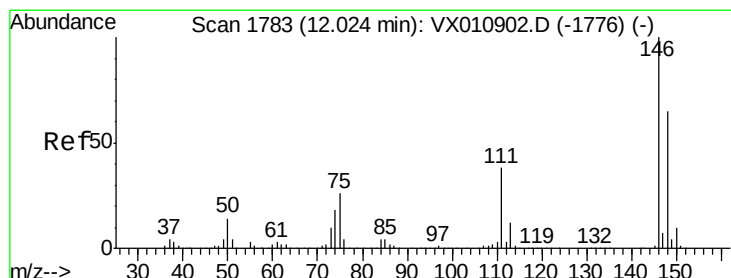
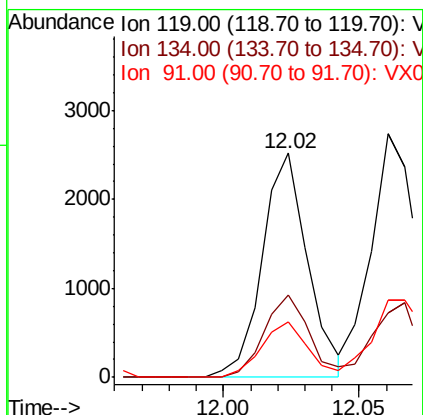
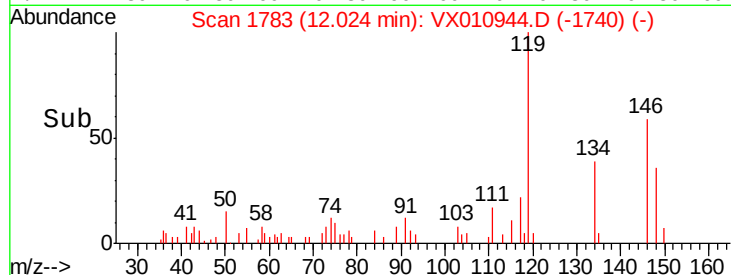
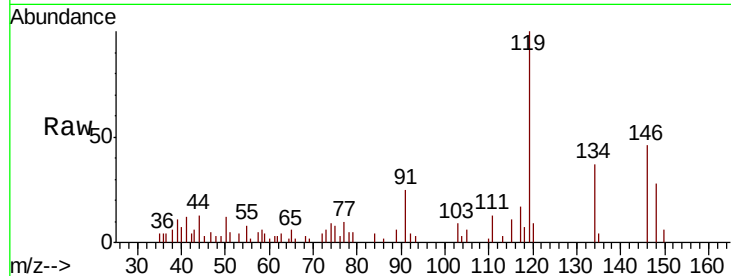




#86
p-Isopropyltoluene
Concen: 0.313 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. -0.04 min
Lab File: VX010944.D
Acq: 17 Jul 2019 18:26

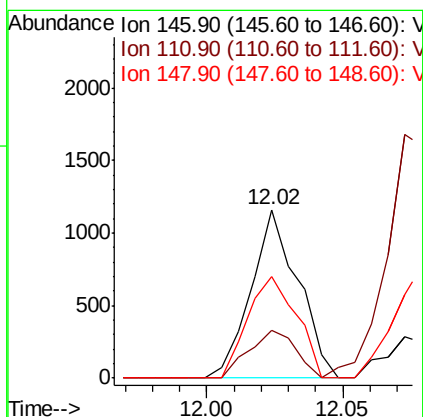
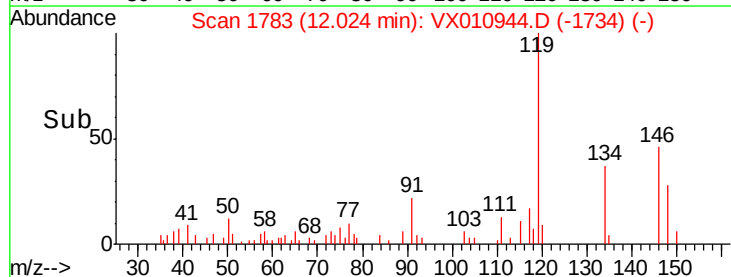
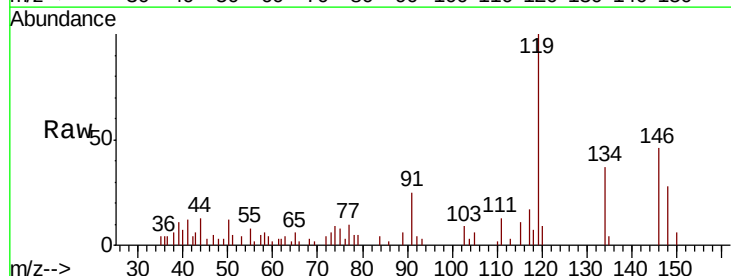
Instrument :
MSVOA_X
ClientSampleId :
FL-0611DL

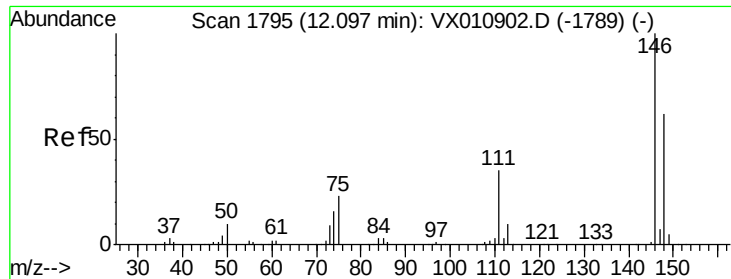
Tot Ion:119 Resp: 2913
Ion Ratio Lower Upper
119 100
134 36.5 13.4 40.1
91 25.6 11.8 35.4



#87
1,3-Dichlorobenzene
Concen: 0.278 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VX010944.D
Acq: 17 Jul 2019 18:26

Tgt Ion:146 Resp: 1392
Ion Ratio Lower Upper
146 100
111 28.4 18.9 56.9
148 62.4 32.2 96.6





#88

1,4-Dichlorobenzene

Concen: 0.271 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.07 min

Lab File: VX010944.D

Acq: 17 Jul 2019 18:26

Instrument :

MSVOA_X

ClientSampleId :

FL-0611DL

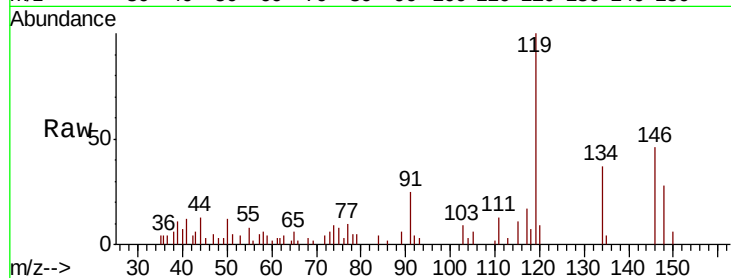
Tot Ion:146 Resp: 1392

Ion Ratio Lower Upper

146 100

111 28.4 18.6 55.8

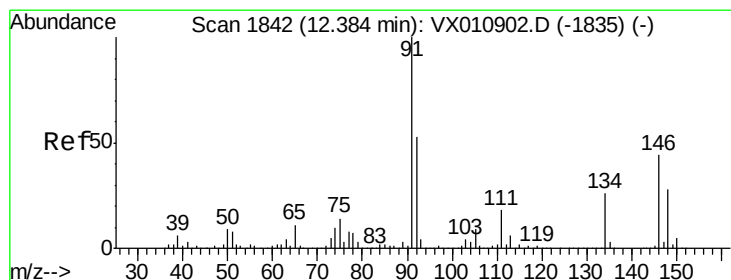
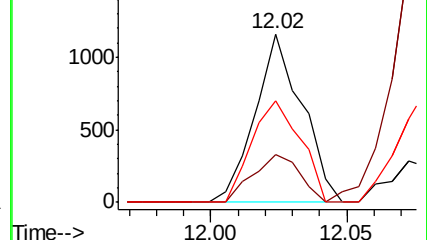
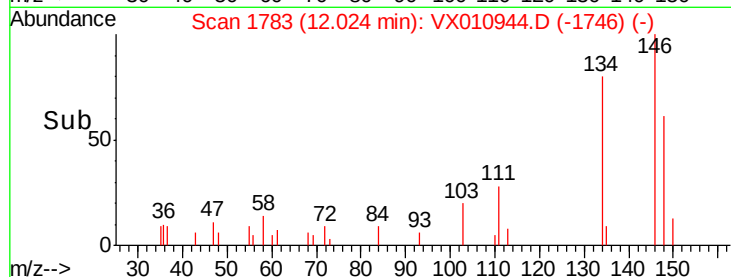
148 62.4 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.416 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.01 min

Lab File: VX010944.D

Acq: 17 Jul 2019 18:26

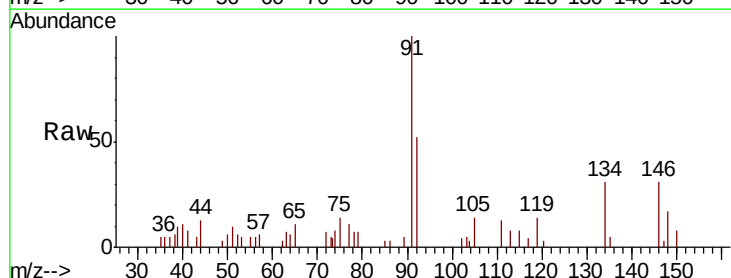
Tgt Ion: 91 Resp: 3311

Ion Ratio Lower Upper

91 100

92 44.6 26.2 78.5

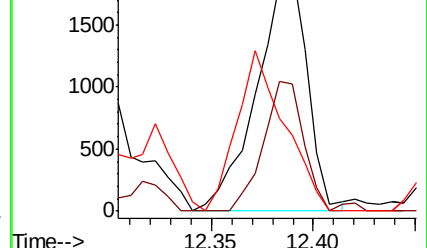
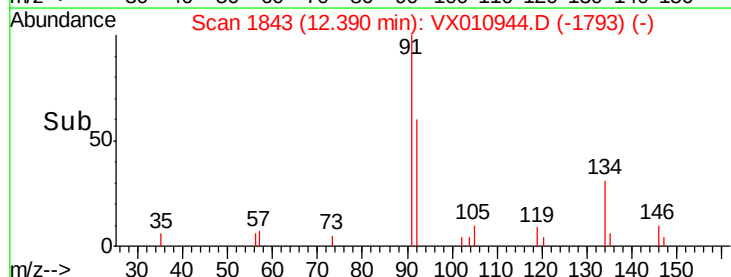
134 63.3 13.8 41.3#

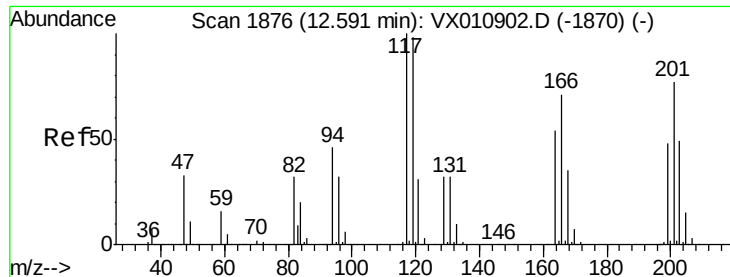


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 0.443 ug/l

RT: 12.60 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VX010944.D

Acq: 17 Jul 2019 18:26

Instrument :

MSVOA_X

ClientSampled :

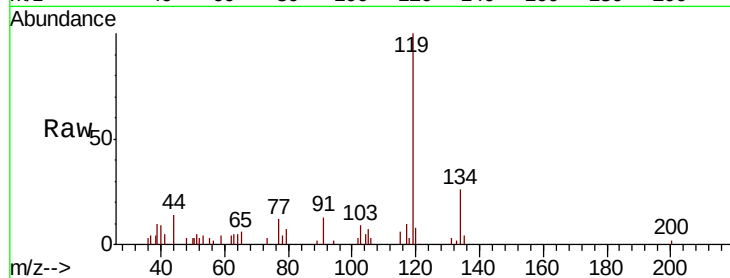
FL-0611DL

Tot Ion:117 Resp: 650

Ion Ratio Lower Upper

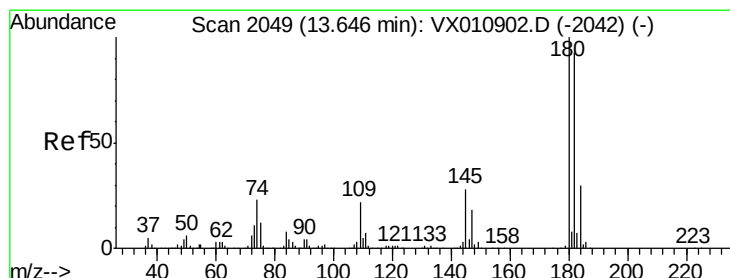
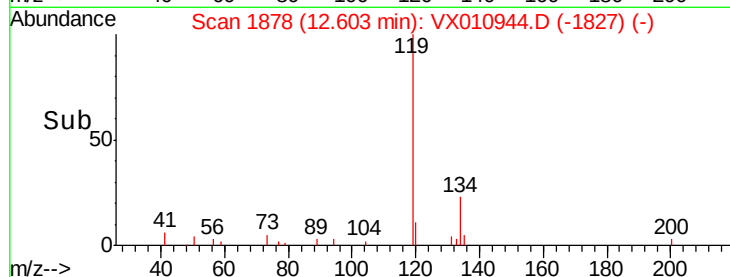
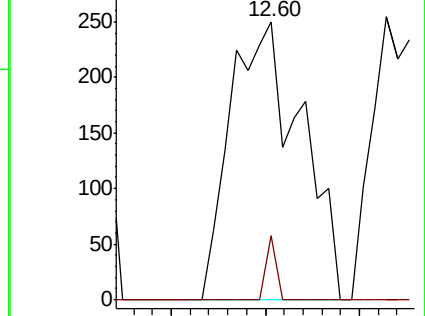
117 100

201 3.2 43.3 129.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#93

1,2,4-Trichlorobenzene

Concen: 0.472 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX010944.D

Acq: 17 Jul 2019 18:26

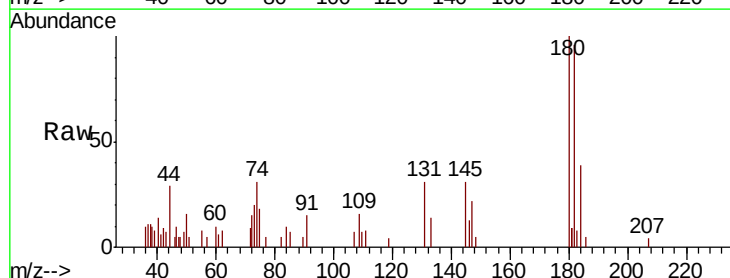
Tgt Ion:180 Resp: 1587

Ion Ratio Lower Upper

180 100

182 97.0 47.1 141.3

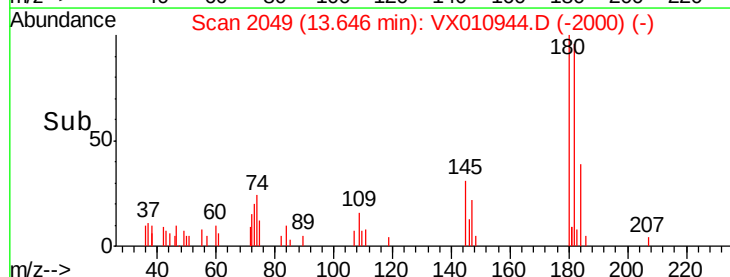
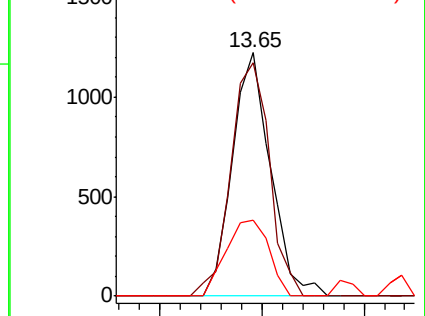
145 35.0 14.8 44.4

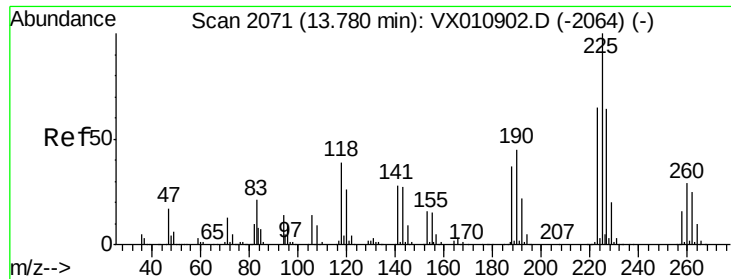


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.353 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX010944.D

Acq: 17 Jul 2019 18:26

Instrument :

MSVOA_X

ClientSampleId :

FL-0611DL

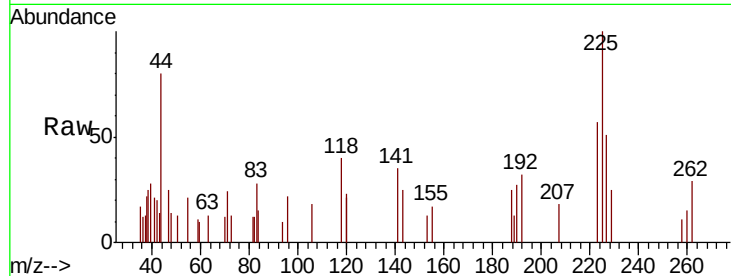
Tot Ion:225 Resp: 589

Ion Ratio Lower Upper

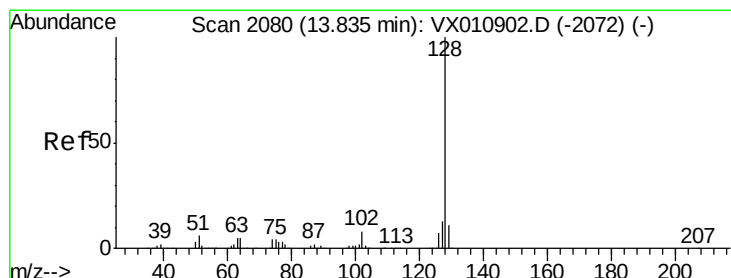
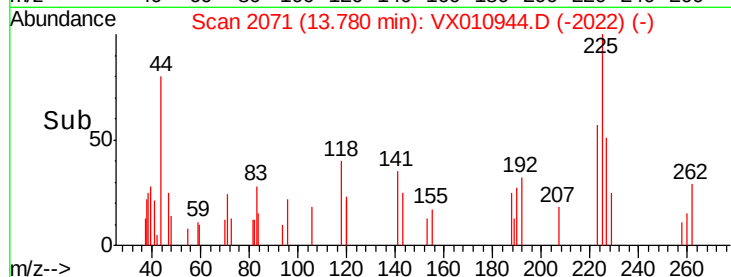
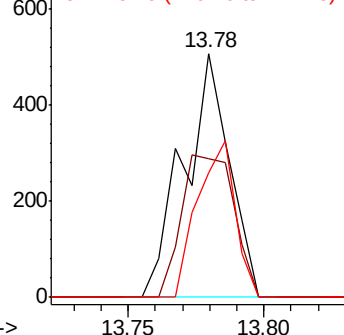
225 100

223 66.9 31.9 95.9

227 53.0 32.5 97.4



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 3.621 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX010944.D

Acq: 17 Jul 2019 18:26

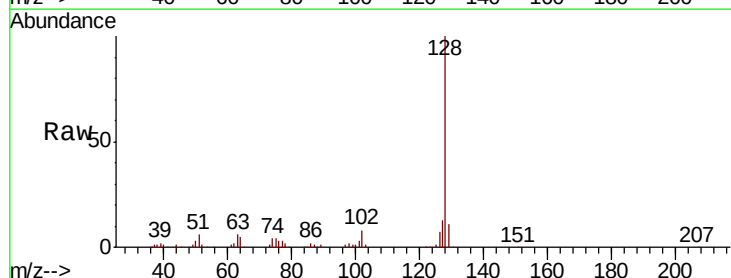
Tgt Ion:128 Resp: 35964

Ion Ratio Lower Upper

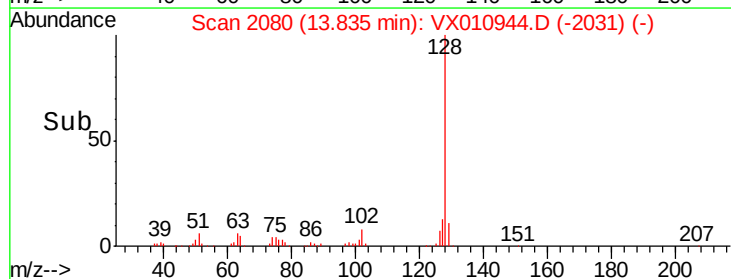
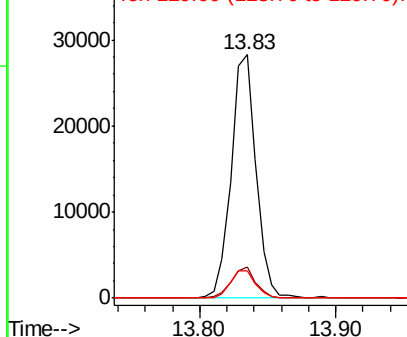
128 100

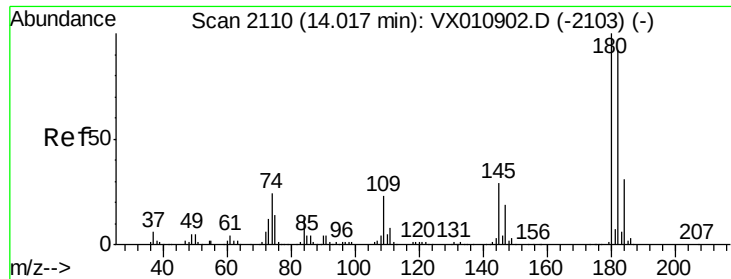
127 12.7 10.4 15.6

129 11.5 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

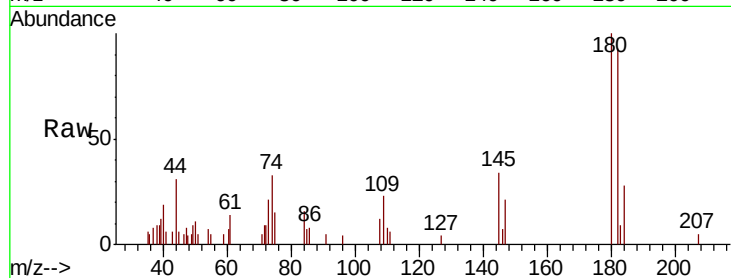




#96
 1,2,3-Trichlorobenzene
 Concen: 0.410 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX010944.D
 Acq: 17 Jul 2019 18:26

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0611DL

Tot Ion	Ratio	Lower	Upper
180	100		
182	104.0	47.4	142.3
145	39.3	15.1	45.3



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

