

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072019\
 Data File : VX011016.D
 Acq On : 19 Jul 2019 20:31
 Operator : JC/SP
 Sample : K3884-02DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0609DL

Quant Time: Jul 20 01:06:25 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	5.66	168	211636	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	335933	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	318909	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	160785	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	114042	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
35) Dibromofluoromethane	5.49	113	100442	47.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.22%	
50) Toluene-d8	8.71	98	400679	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
62) 4-Bromofluorobenzene	11.13	95	153178	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.26	85	20	0.555	ug/l #	43
5) Bromomethane	1.64	94	744	0.665	ug/l #	54
6) Chloroethane	1.72	64	308	0.244	ug/l	100
11) Tert butyl alcohol	3.02	59	18439	35.165	ug/l #	79
13) Acrolein	2.31	56	128	0.423	ug/l #	15
15) Acrylonitrile	3.15	53	309	0.292	ug/l #	1
16) Acetone	2.45	43	1672	1.644	ug/l	99
18) Methyl Acetate	2.83	43	6364	2.748	ug/l #	49
20) Methylene Chloride	2.85	84	820	0.381	ug/l #	89
25) 2-Butanone	4.70	43	425	0.291	ug/l	100
31) Cyclohexane	5.57	56	40315	13.188	ug/l	99
36) 1,1-Dichloropropene	5.65	75	13797	5.000	ug/l #	49
38) Carbon Tetrachloride	5.66	117	19638	6.830	ug/l #	18
39) Methylcyclohexane	7.46	83	30606	8.553	ug/l	98
40) Benzene	6.13	78	3694	0.437	ug/l #	90
48) Methyl methacrylate	7.74	41	1793	0.792	ug/l #	78
49) 1,4-Dioxane	7.66	88	23	0.363	ug/l #	1
51) 4-Methyl-2-Pentanone	8.65	43	668	0.222	ug/l #	35
52) Toluene	8.78	92	21391	3.852	ug/l	98
55) 1,1,2-Trichloroethane	9.16	97	2327	1.018	ug/l #	22
60) Dibromochloromethane	9.35	129	70	2.553	ug/l #	11
67) Ethyl Benzene	10.25	91	523031	46.912	ug/l	100
68) m/p-Xylenes	10.35	106	638413	149.277	ug/l	100
69) o-Xylene	10.69	106	159997	38.333	ug/l	100
70) Styrene	10.69	104	7944	1.142	ug/l #	1
73) Isopropylbenzene	11.02	105	42615	3.923	ug/l	100
76) 1,2,3-Trichloropropane	11.13	75	77669	26.769	ug/l #	35
78) n-propylbenzene	11.36	91	61890	5.156	ug/l	99
79) 2-Chlorotoluene	11.43	91	32611	4.522	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.51	105	114088	12.567	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.13	75	77669	66.402	ug/l #	11
82) 4-Chlorotoluene	11.51	91	12680	1.511	ug/l #	43
83) tert-Butylbenzene	11.77	119	2241	0.251	ug/l	88
84) 1,2,4-Trimethylbenzene	11.80	105	322704	35.269	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072019\
Data File : VX011016.D
Acq On : 19 Jul 2019 20:31
Operator : JC/SP
Sample : K3884-02DL 20X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FL-0609DL

Quant Time: Jul 20 01:06:25 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

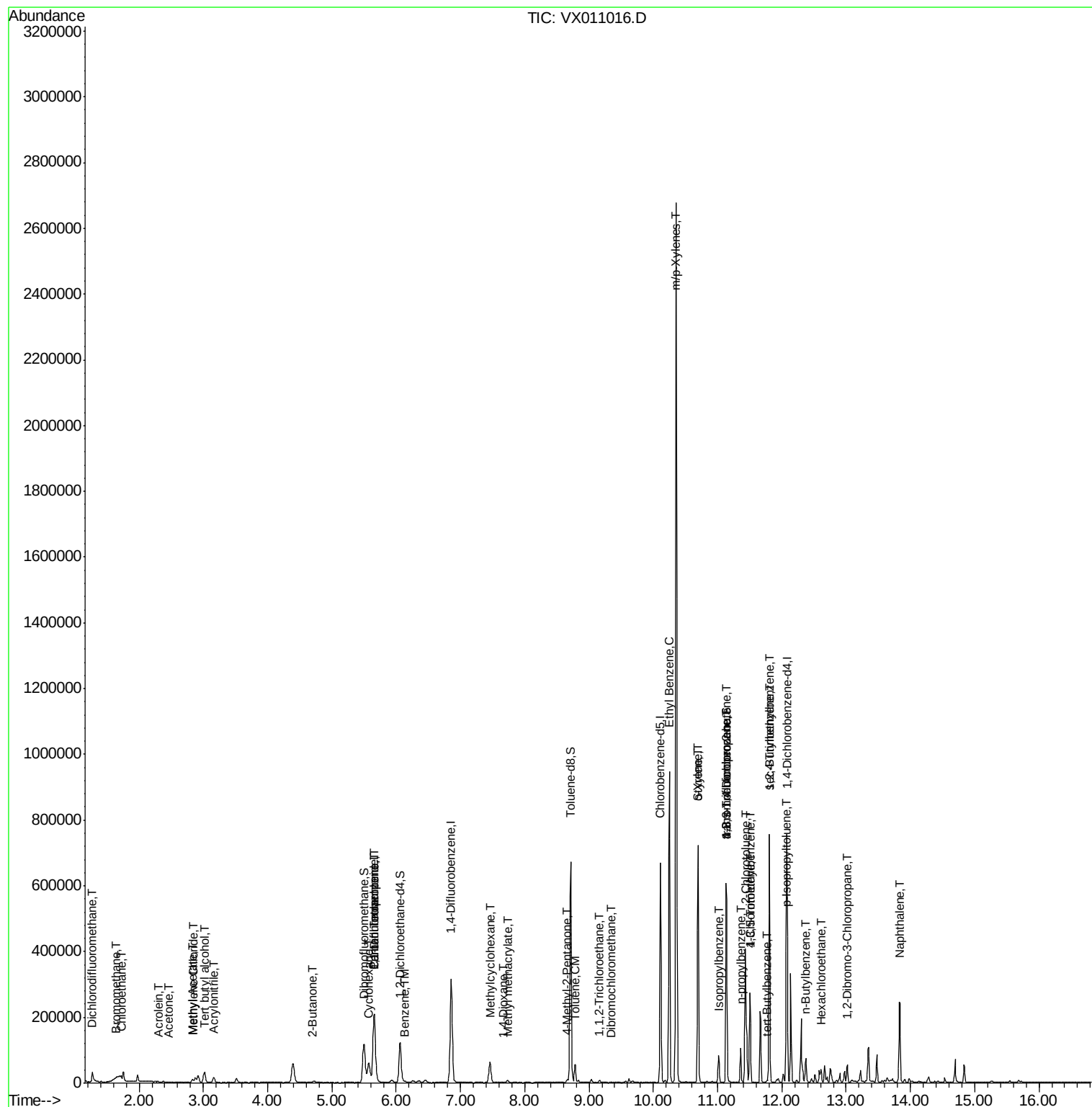
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	11.80	105	322666	30.882	ug/l #	55
86) p-Isopropyltoluene	12.06	119	5934	0.614	ug/l	91
89) n-Butylbenzene	12.38	91	9776	1.183	ug/l #	25
90) Hexachloroethane	12.61	117	3100	2.035	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	13.01	75	269	0.362	ug/l #	1
95) Naphthalene	13.83	128	159655	15.478	ug/l	99

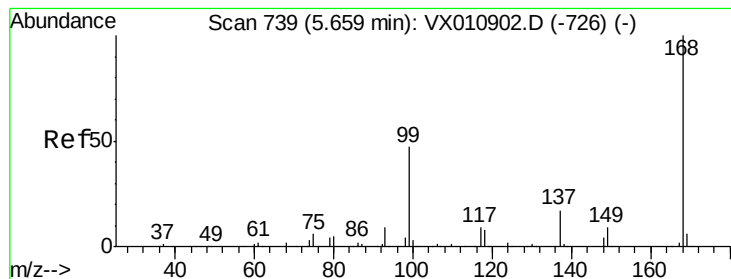
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072019\
Data File : VX011016.D
Acq On : 19 Jul 2019 20:31
Operator : JC/SP
Sample : K3884-02DL 20X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FL-0609DL

Quant Time: Jul 20 01:06:25 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX011016.D

Acq: 19 Jul 2019 20:31

Instrument :

MSVOA_X

ClientSampleId :

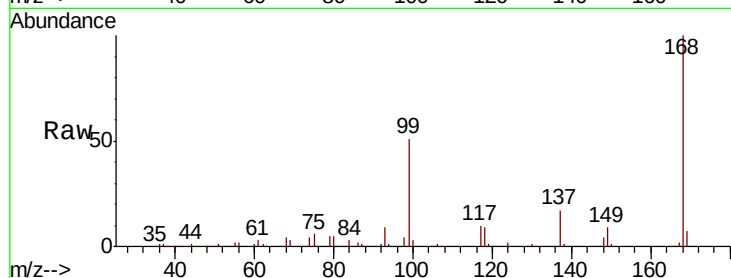
FL-0609DL

Tot Ion:168 Resp: 211636

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

5.66

80000

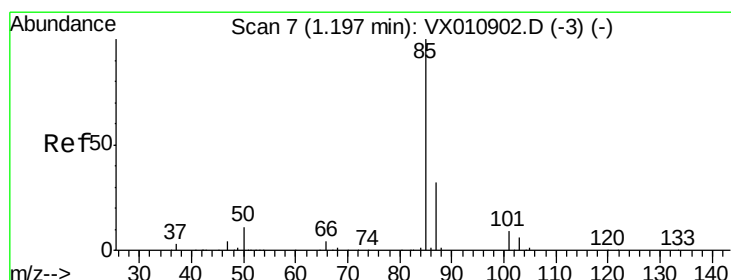
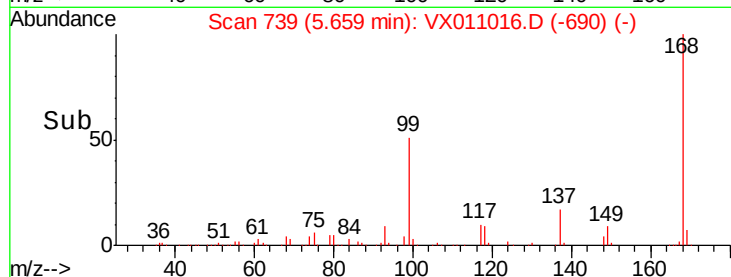
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.555 ug/l

RT: 1.26 min Scan# 18

Delta R.T. 0.07 min

Lab File: VX011016.D

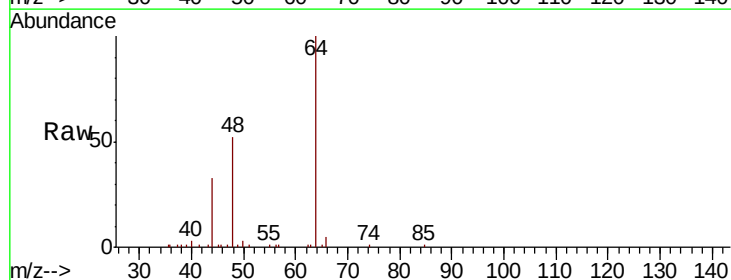
Acq: 19 Jul 2019 20:31

Tgt Ion: 85 Resp: 20

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

1.26

60

50

40

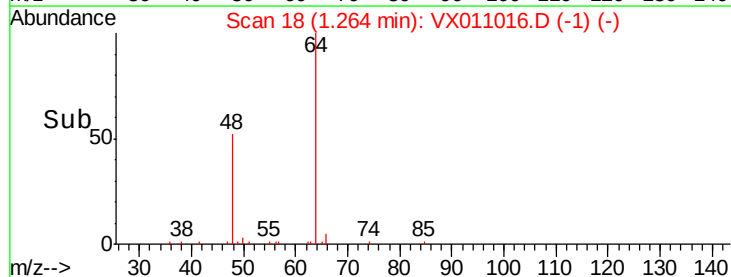
30

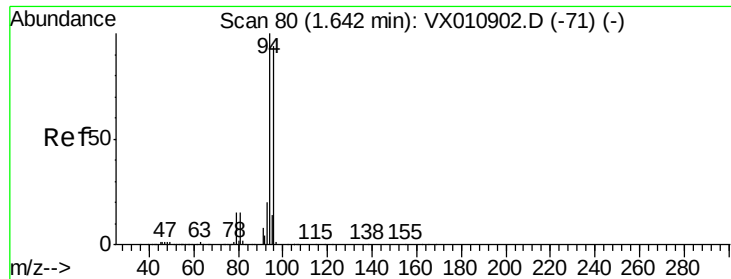
20

10

0

Time--> 1.24 1.25 1.26 1.27 1.28





#5

Bromomethane

Concen: 0.665 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX011016.D

Acq: 19 Jul 2019 20:31

Instrument :

MSVOA_X

ClientSampleID :

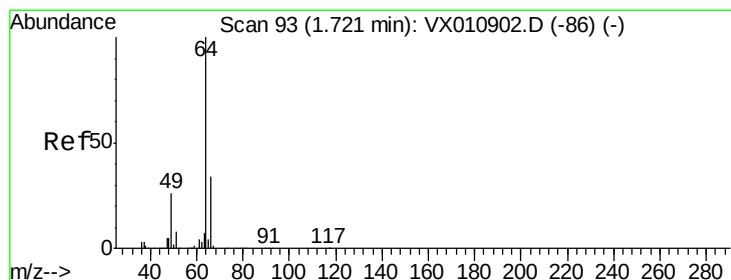
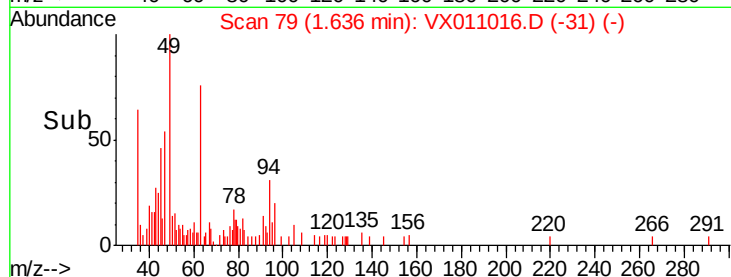
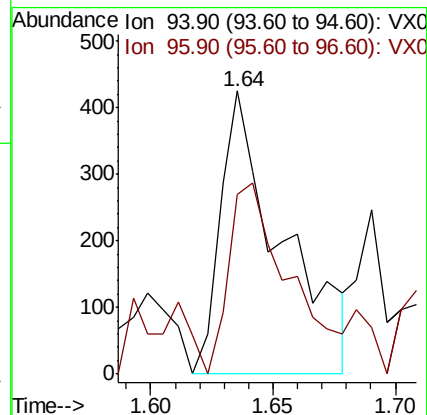
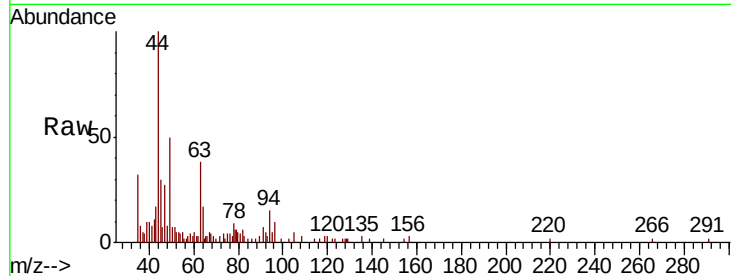
FL-0609DL

Tot Ion: 94 Resp: 744

Ion Ratio Lower Upper

94 100

96 49.9 75.6 113.4#



#6

Chloroethane

Concen: 0.244 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX011016.D

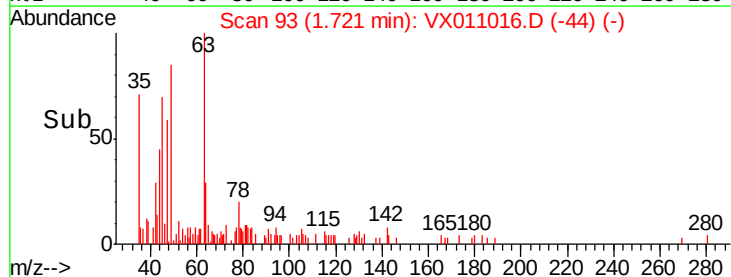
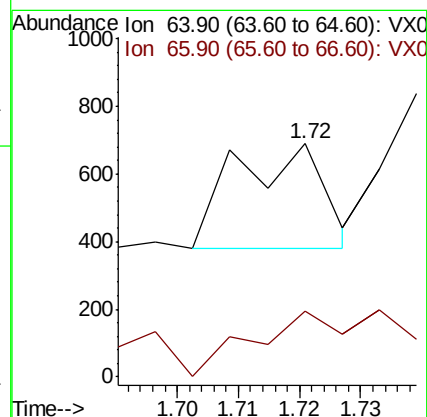
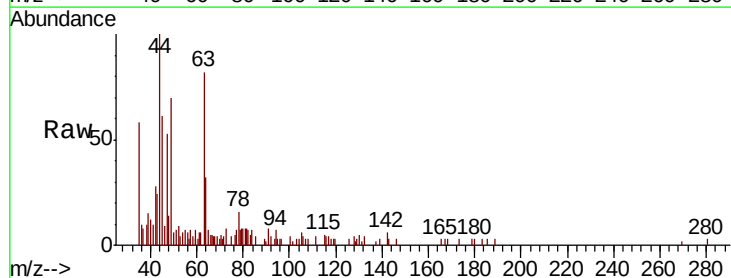
Acq: 19 Jul 2019 20:31

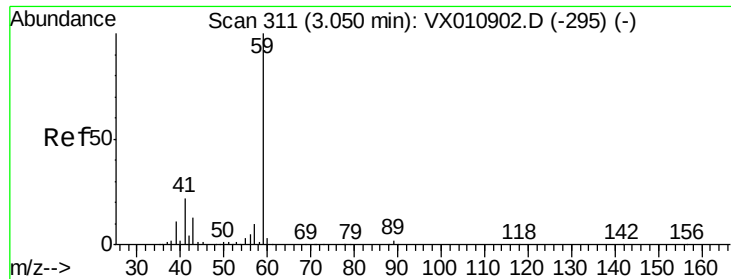
Tgt Ion: 64 Resp: 308

Ion Ratio Lower Upper

64 100

66 34.1 27.0 40.6

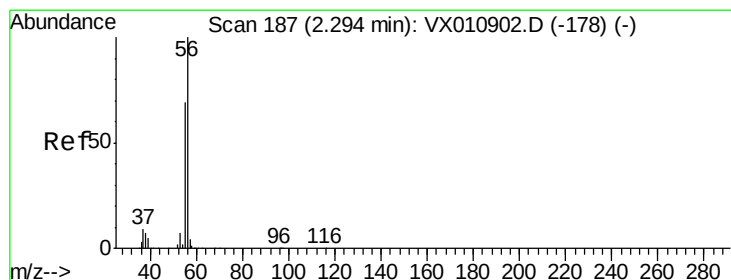
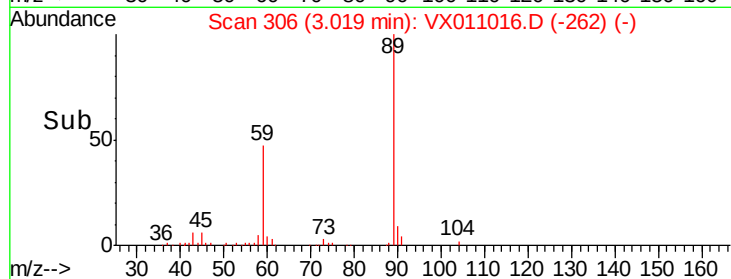
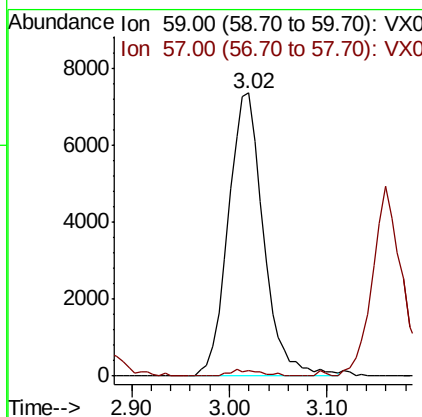
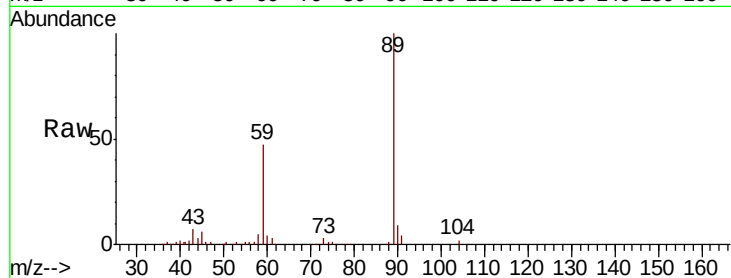




#11
Tert butyl alcohol
Concen: 35.165 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX011016.D
Acq: 19 Jul 2019 20:31

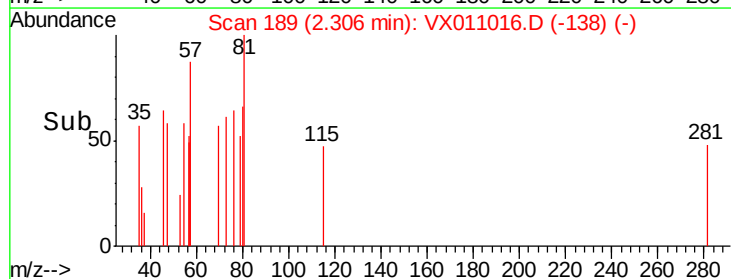
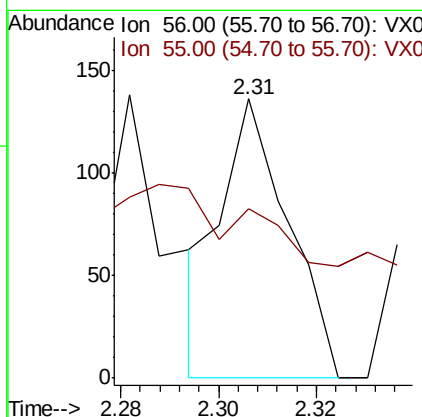
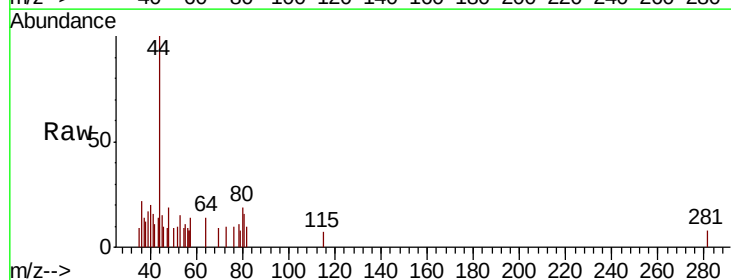
Instrument :
MSVOA_X
ClientSampleId :
FL-0609DL

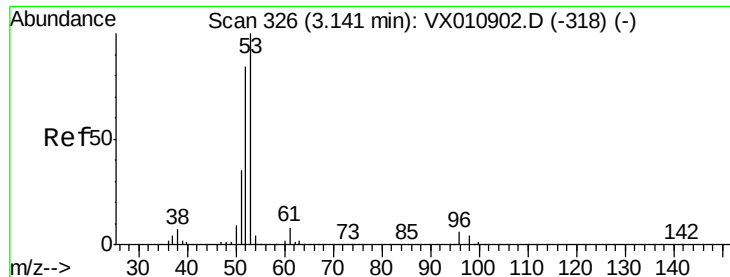
Tot Ion: 59 Resp: 18439
Ion Ratio Lower Upper
59 100
57 2.0 7.9 11.9#



#13
Acrolein
Concen: 0.423 ug/l
RT: 2.31 min Scan# 189
Delta R.T. 0.01 min
Lab File: VX011016.D
Acq: 19 Jul 2019 20:31

Tgt Ion: 56 Resp: 128
Ion Ratio Lower Upper
56 100
55 0.0 55.9 83.9#





#15

Acrylonitrile

Concen: 0.292 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX011016.D

Acq: 19 Jul 2019 20:31

Instrument :

MSVOA_X

ClientSampleId :

FL-0609DL

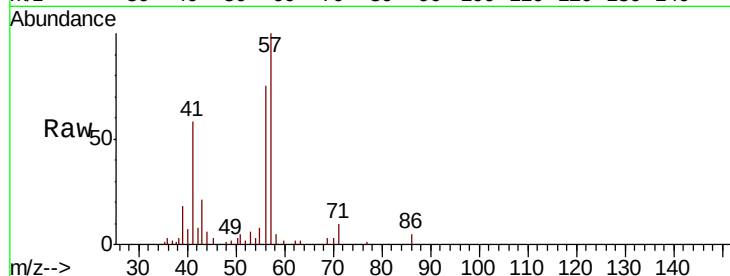
Tot Ion: 53 Resp: 309

Ion Ratio Lower Upper

53 100

52 9.4 66.5 99.7#

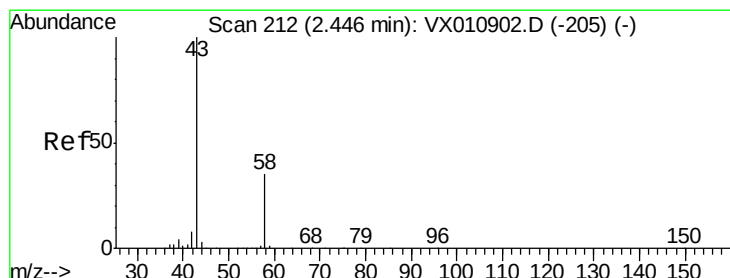
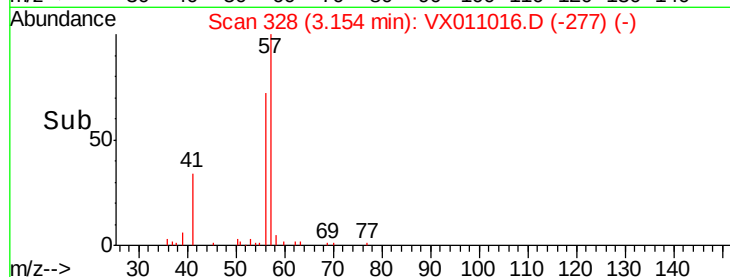
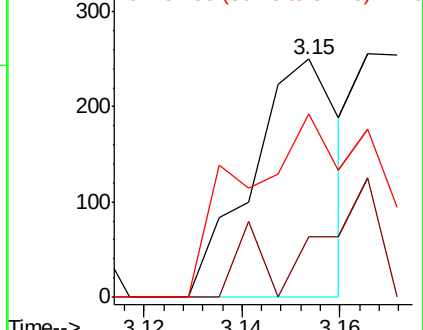
51 144.3 28.2 42.4#



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: 1.644 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX011016.D

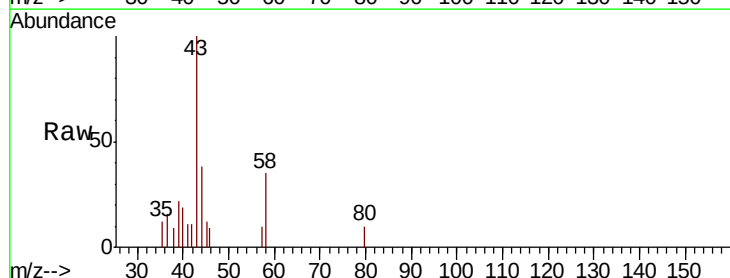
Acq: 19 Jul 2019 20:31

Tgt Ion: 43 Resp: 1672

Ion Ratio Lower Upper

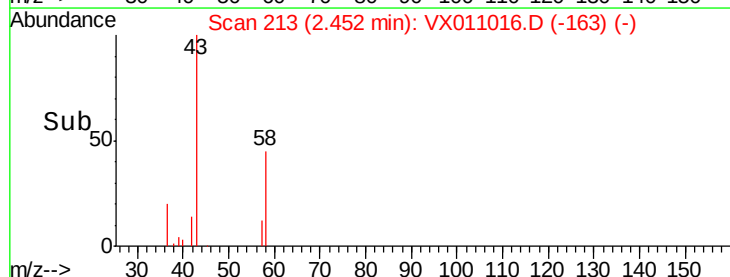
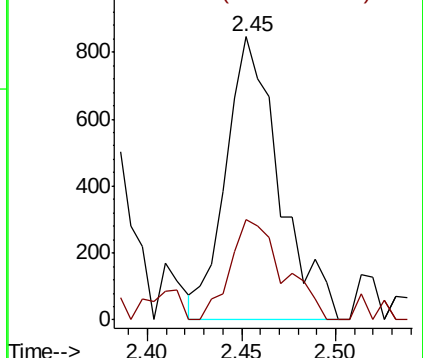
43 100

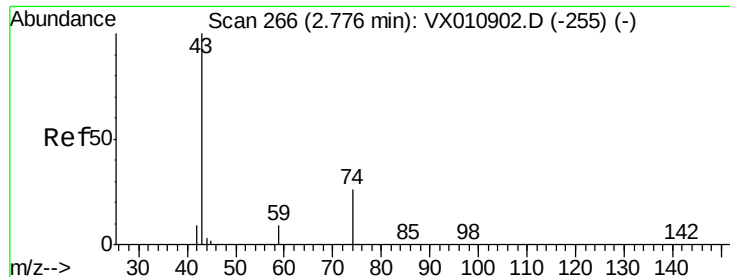
58 35.5 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

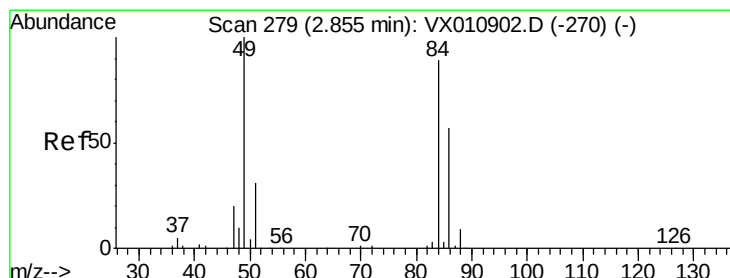
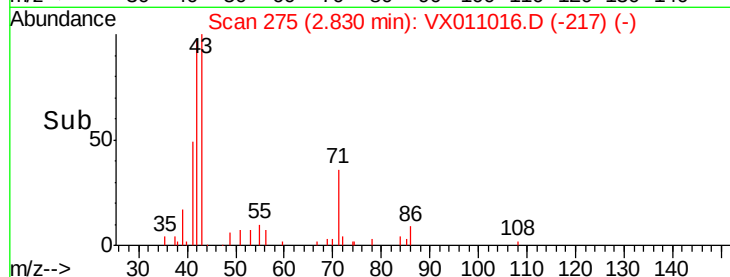
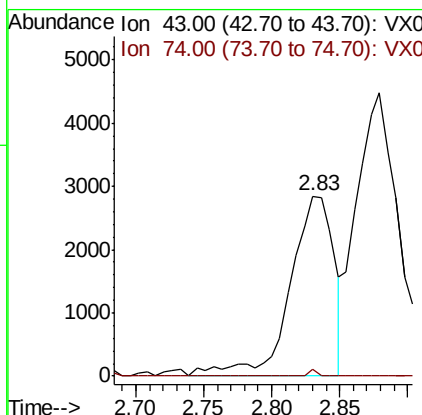
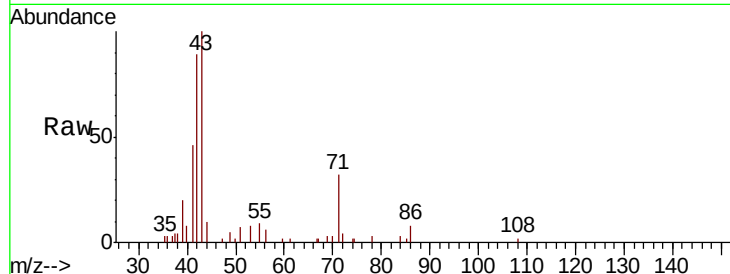




#18
Methyl Acetate
Concen: 2.748 ug/l
RT: 2.83 min Scan# 275
Delta R.T. 0.05 min
Lab File: VX011016.D
Acq: 19 Jul 2019 20:31

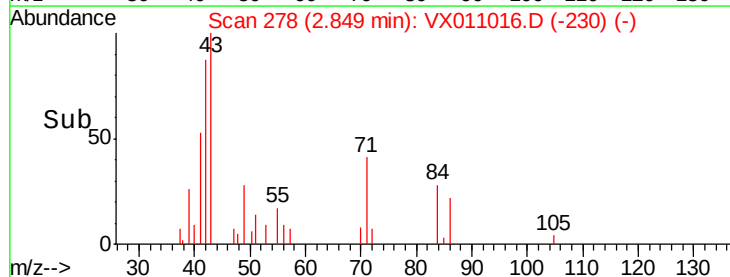
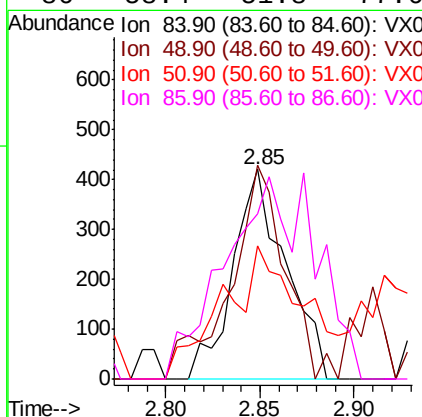
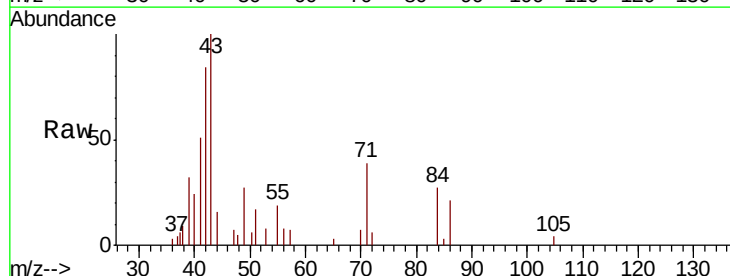
Instrument :
MSVOA_X
ClientSampled :
FL-0609DL

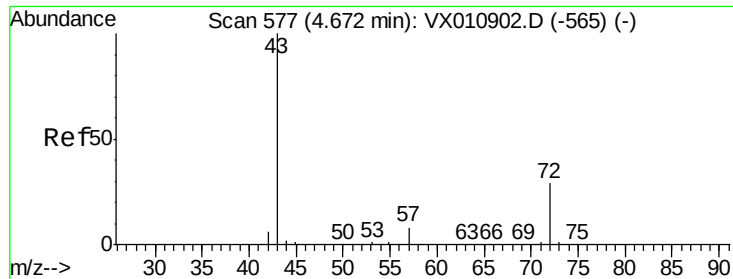
Tot Ion: 43 Resp: 6364
Ion Ratio Lower Upper
43 100
74 0.7 21.5 32.3#



#20
Methylene Chloride
Concen: 0.381 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX011016.D
Acq: 19 Jul 2019 20:31

Tgt Ion: 84 Resp: 820
Ion Ratio Lower Upper
84 100
49 101.9 89.9 134.9
51 47.7 27.8 41.6#
86 58.4 51.8 77.6





#25

2-Butanone

Concen: 0.291 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX011016.D

Acq: 19 Jul 2019 20:31

Instrument :

MSVOA_X

ClientSampleID :

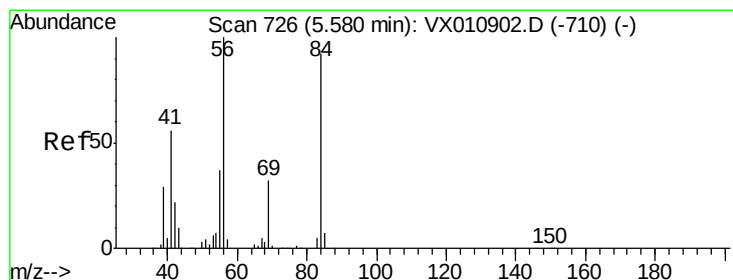
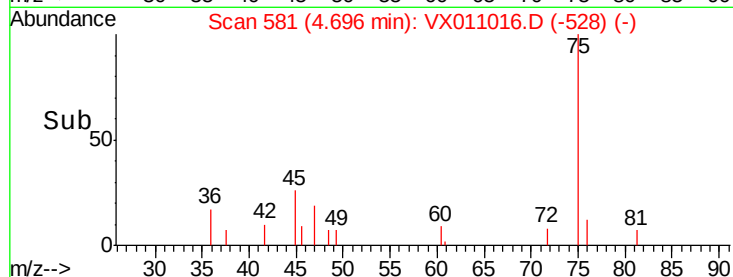
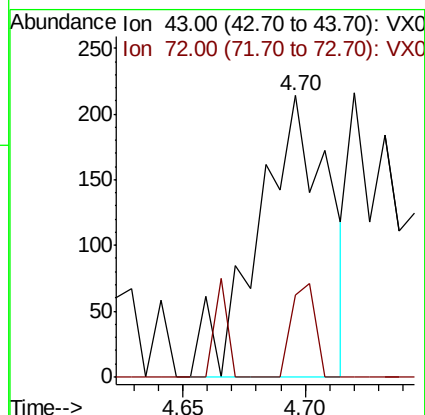
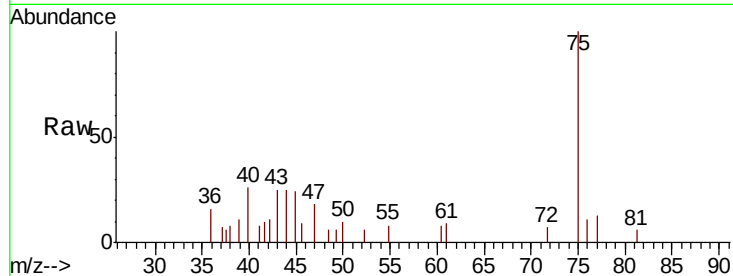
FL-0609DL

Tot Ion: 43 Resp: 425

Ion Ratio Lower Upper

43 100

72 29.0 23.0 34.6



#31

Cyclohexane

Concen: 13.188 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX011016.D

Acq: 19 Jul 2019 20:31

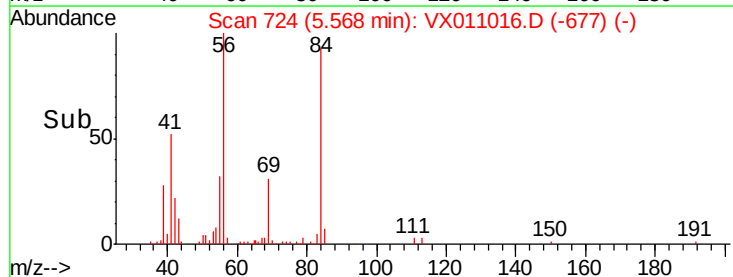
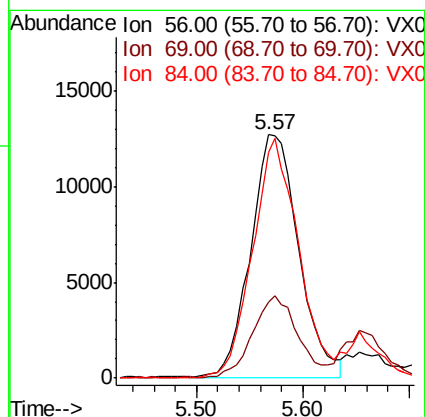
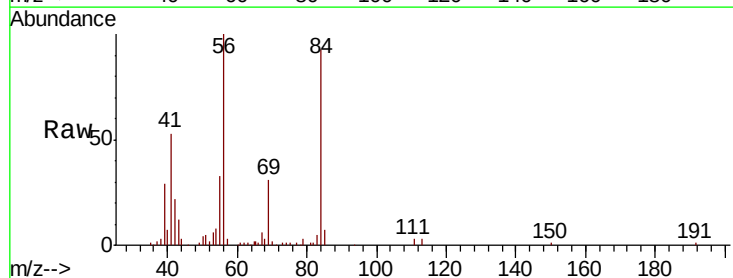
Tgt Ion: 56 Resp: 40315

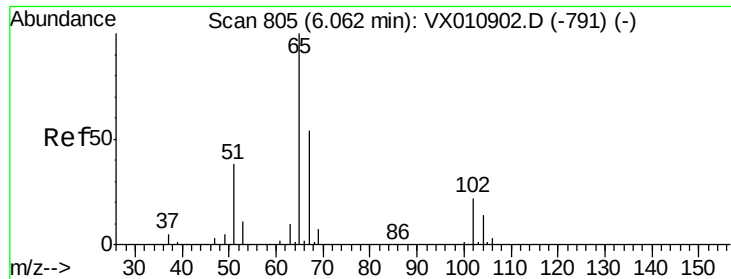
Ion Ratio Lower Upper

56 100

69 30.5 25.8 38.8

84 92.6 73.8 110.6

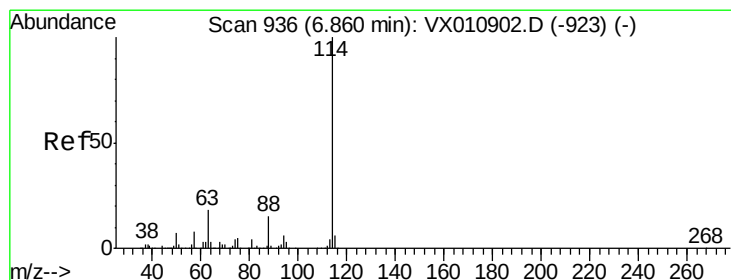
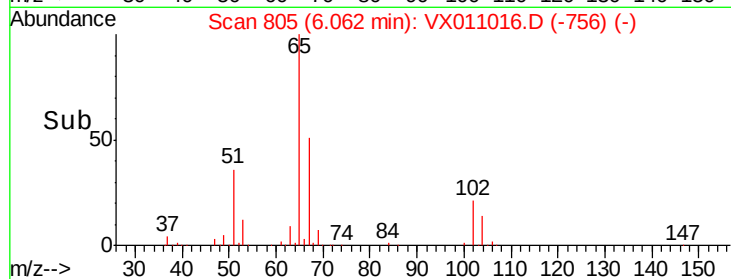
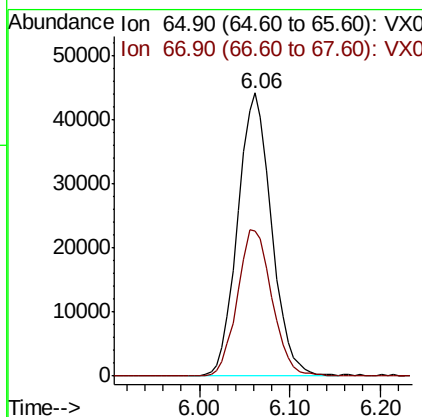
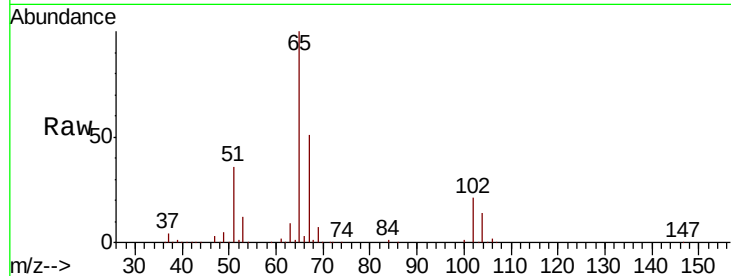




#33
 1,2-Dichloroethane-d4
 Concen: 50.652 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX011016.D
 Acq: 19 Jul 2019 20:31

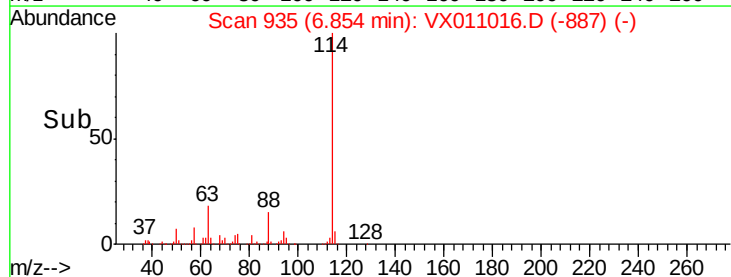
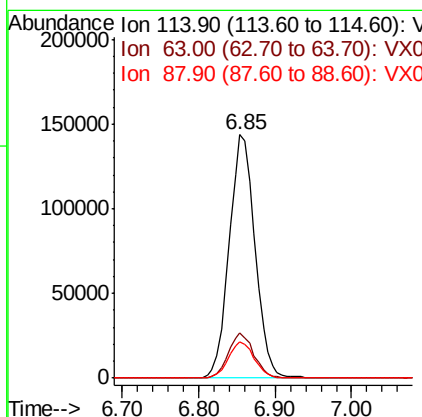
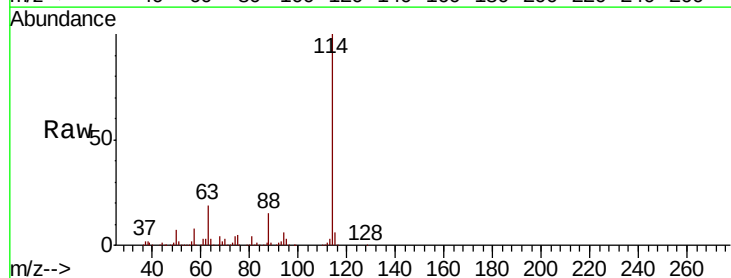
Instrument :
 MSVOA_X
 ClientSampleID :
 FL-0609DL

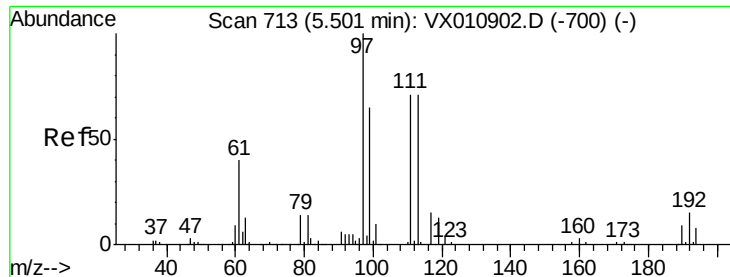
Tot Ion: 65 Resp: 114042
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX011016.D
 Acq: 19 Jul 2019 20:31

Tgt Ion: 114 Resp: 335933
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 35.6
 88 14.7 0.0 29.8

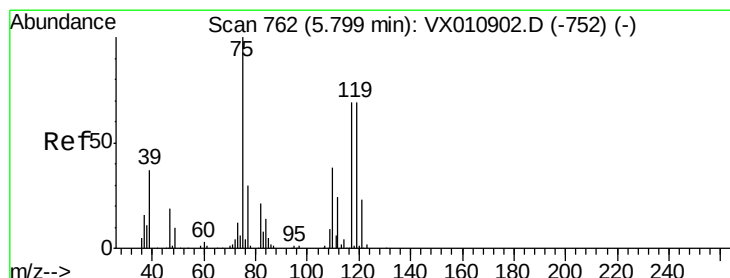
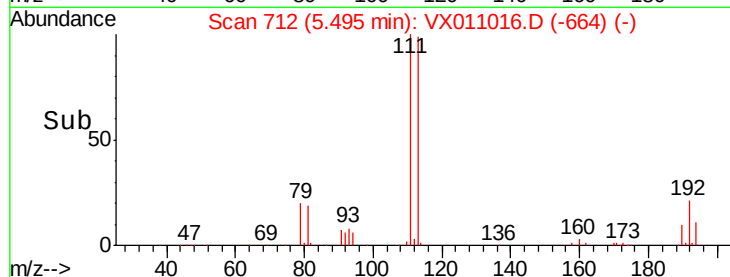
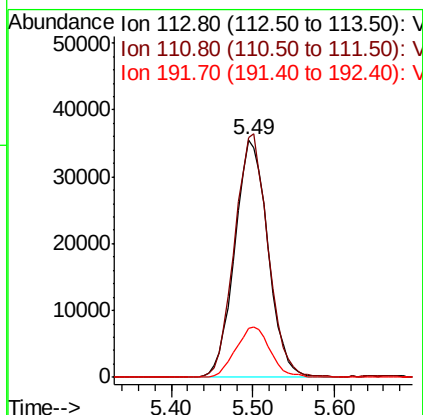
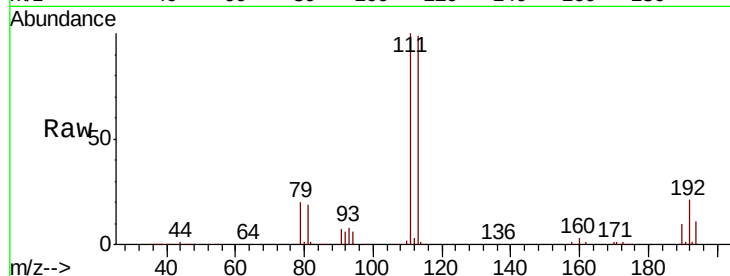




#35
 Dibromofluoromethane
 Concen: 47.106 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX011016.D
 Acq: 19 Jul 2019 20:31

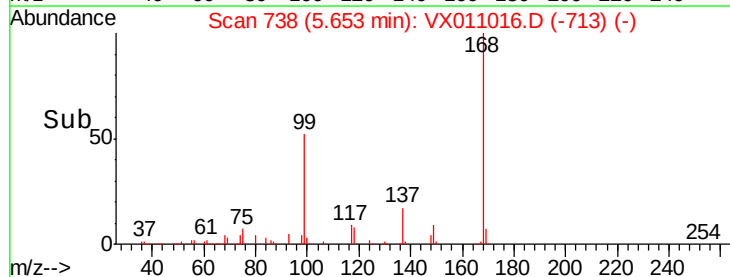
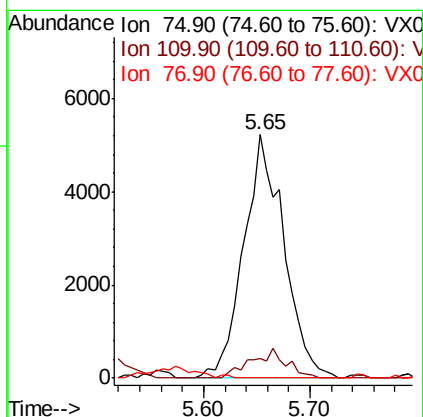
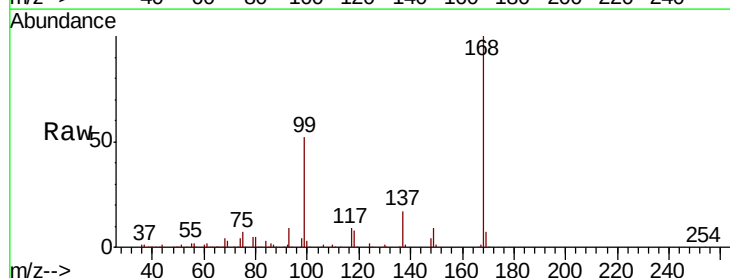
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0609DL

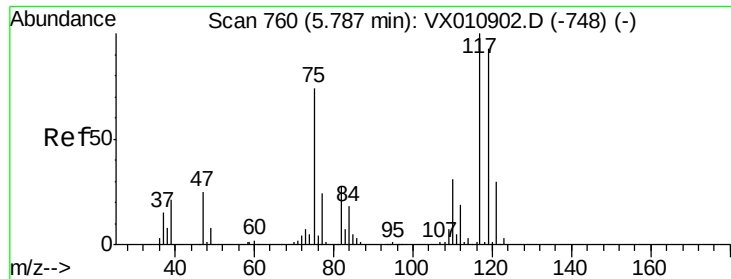
Tot Ion:113 Resp: 100442
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.3 123.5
 192 22.0 17.4 26.2



#36
 1,1-Dichloropropene
 Concen: 5.000 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX011016.D
 Acq: 19 Jul 2019 20:31

Tgt Ion: 75 Resp: 13797
 Ion Ratio Lower Upper
 75 100
 110 10.5 19.9 59.7#
 77 0.0 25.0 37.4#

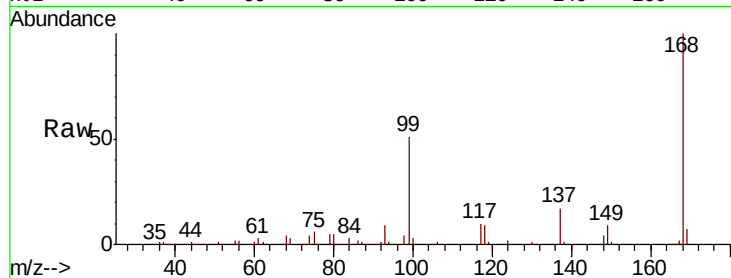




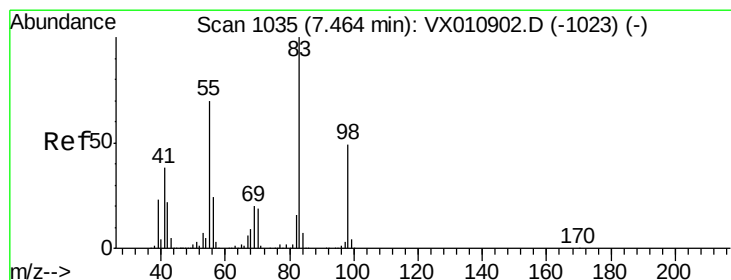
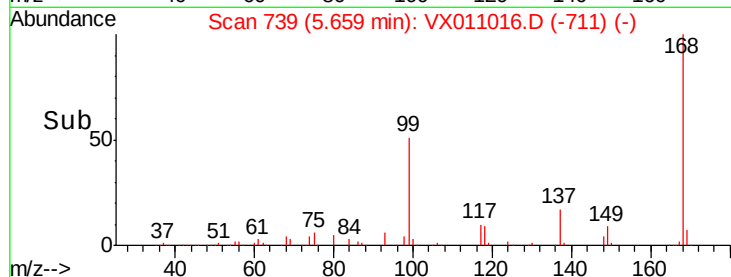
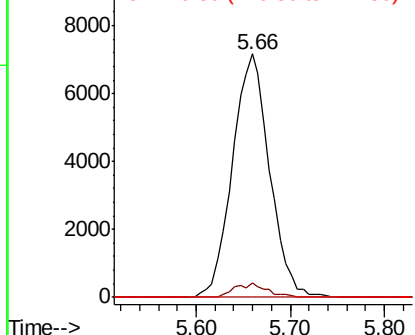
#38
Carbon Tetrachloride
Concen: 6.830 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX011016.D
Acq: 19 Jul 2019 20:31

Instrument :
MSVOA_X
ClientSampleId :
FL-0609DL

Tot Ion:117 Resp: 19638
Ion Ratio Lower Upper
117 100
119 5.9 74.2 111.2#
121 0.0 24.2 36.2#

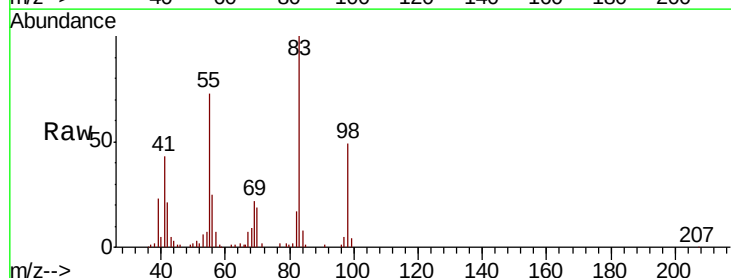


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

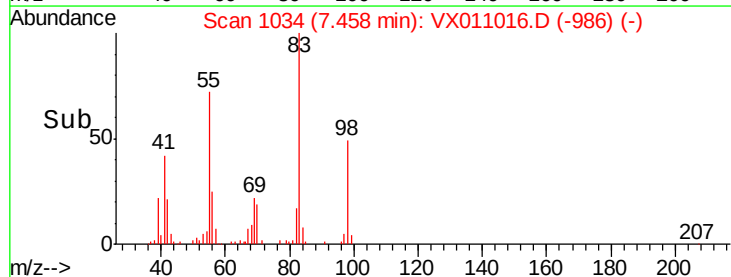
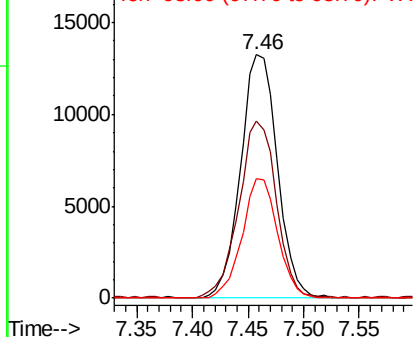


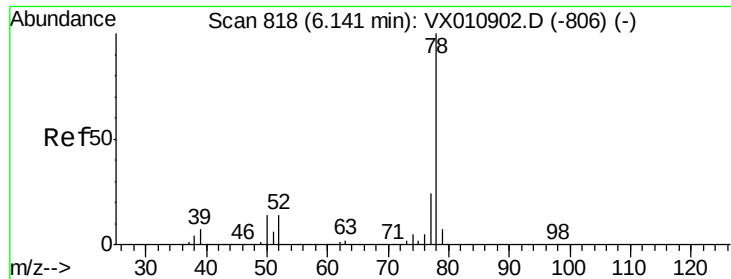
#39
Methylcyclohexane
Concen: 8.553 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX011016.D
Acq: 19 Jul 2019 20:31

Tgt Ion: 83 Resp: 30606
Ion Ratio Lower Upper
83 100
55 72.7 56.2 84.4
98 49.1 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

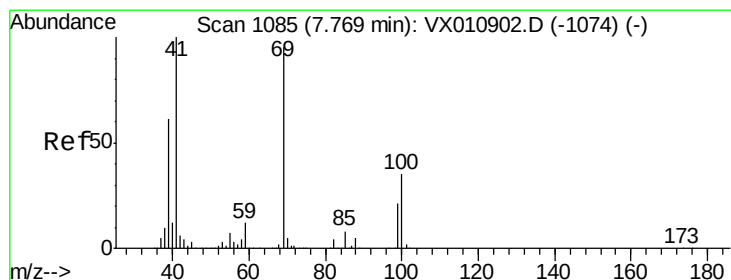
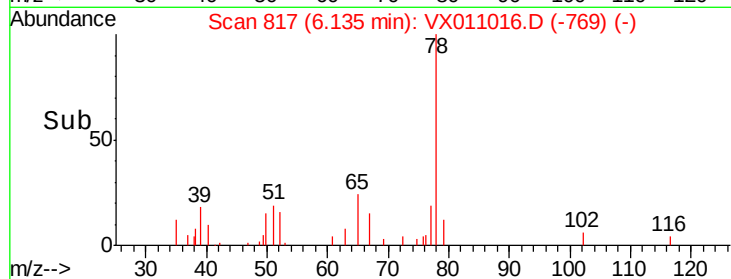
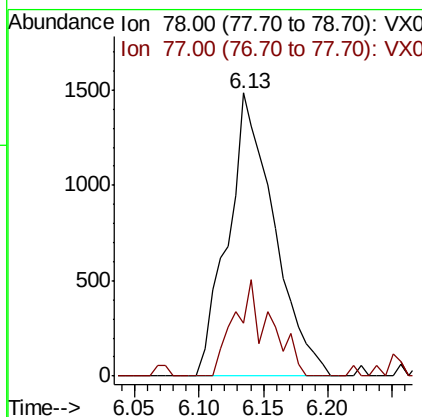
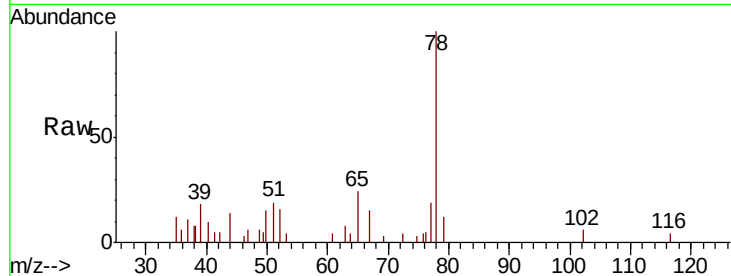




#40
Benzene
Concen: 0.437 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX011016.D
Acq: 19 Jul 2019 20:31

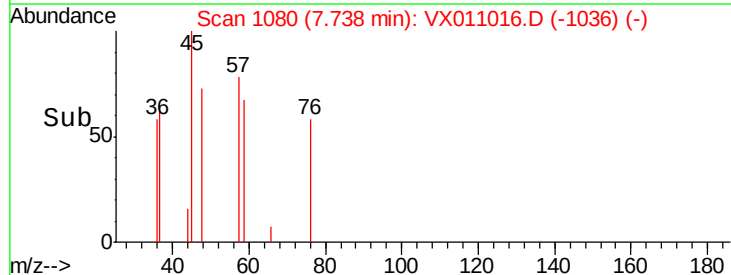
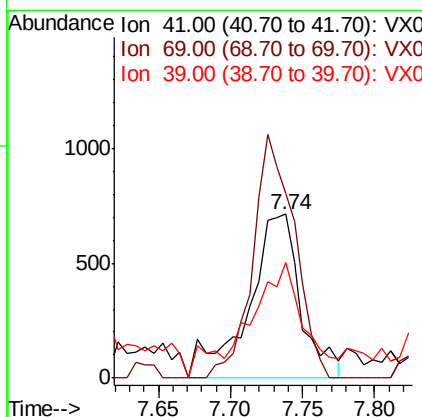
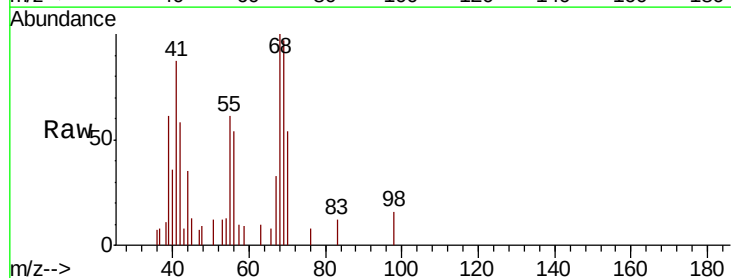
Instrument :
MSVOA_X
ClientSampleId :
FL-0609DL

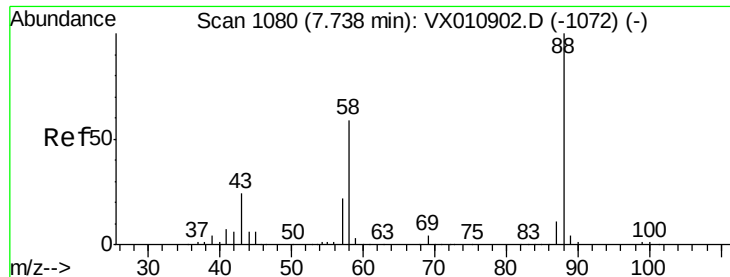
Tot Ion: 78 Resp: 3694
Ion Ratio Lower Upper
78 100
77 18.7 19.0 28.6#



#48
Methyl methacrylate
Concen: 0.792 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.03 min
Lab File: VX011016.D
Acq: 19 Jul 2019 20:31

Tgt Ion: 41 Resp: 1793
Ion Ratio Lower Upper
41 100
69 118.1 74.4 111.6#
39 48.9 48.9 73.3#

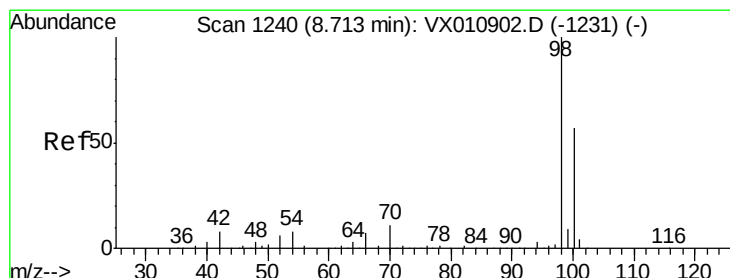
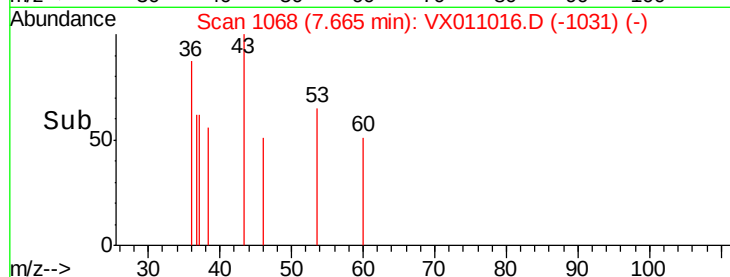
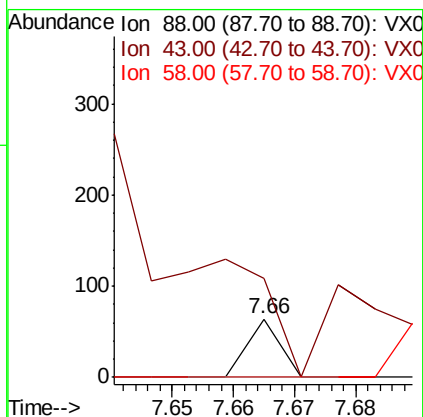
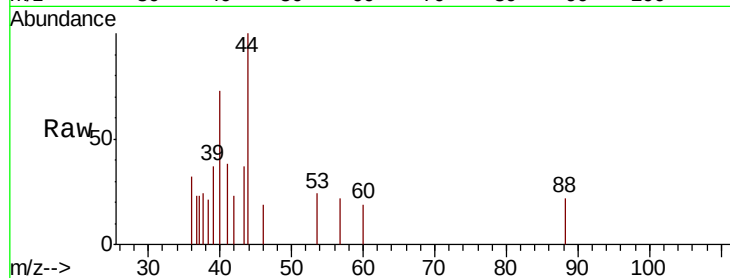




#49
 1,4-Dioxane
 Concen: 0.363 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.07 min
 Lab File: VX011016.D
 Acq: 19 Jul 2019 20:31

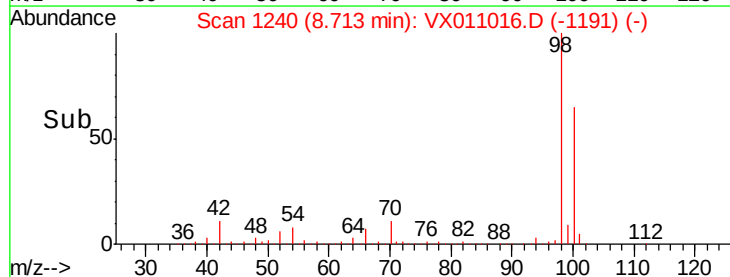
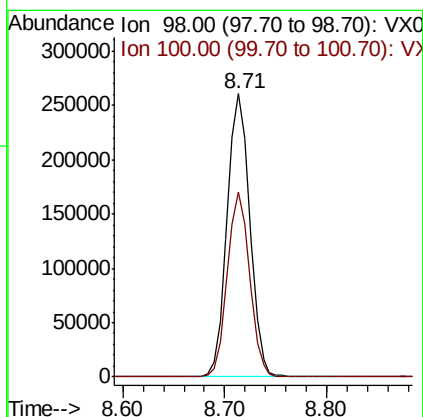
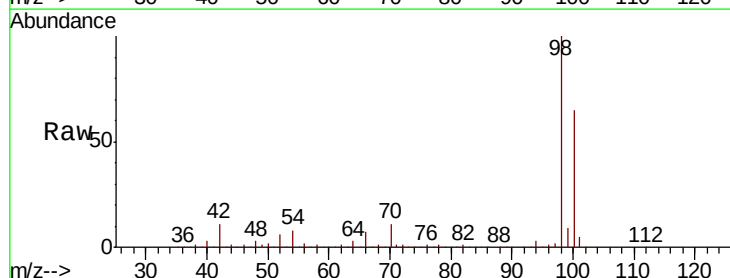
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0609DL

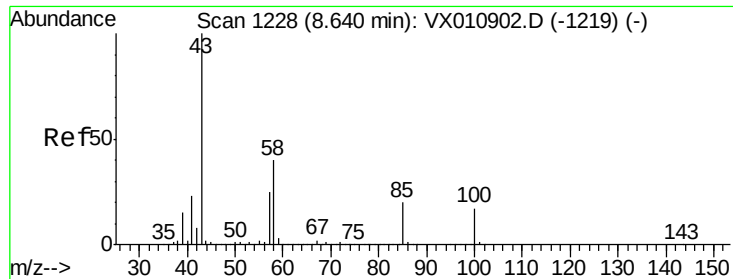
Tot Ion: 88 Resp: 23
 Ion Ratio Lower Upper
 88 100
 43 460.9 22.9 34.3#
 58 0.0 49.8 74.8#



#50
 Toluene-d8
 Concen: 50.102 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX011016.D
 Acq: 19 Jul 2019 20:31

Tgt Ion: 98 Resp: 400679
 Ion Ratio Lower Upper
 98 100
 100 64.0 50.6 75.8

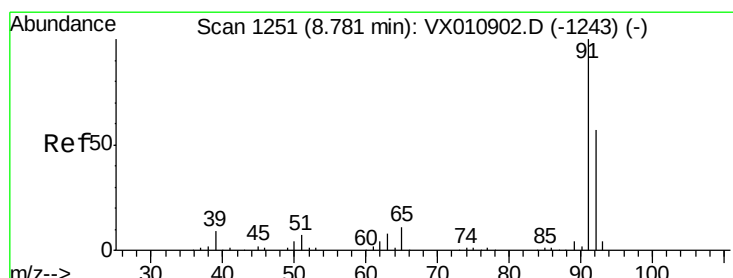
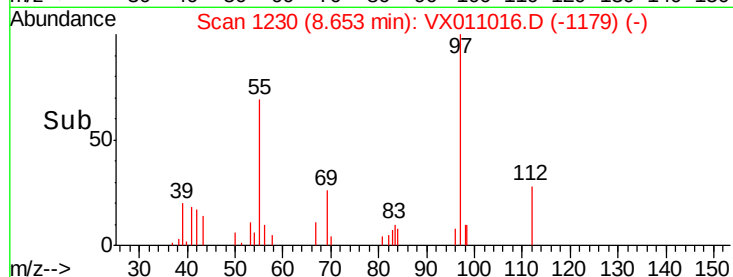
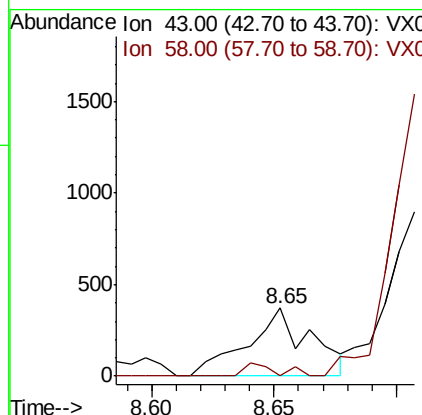
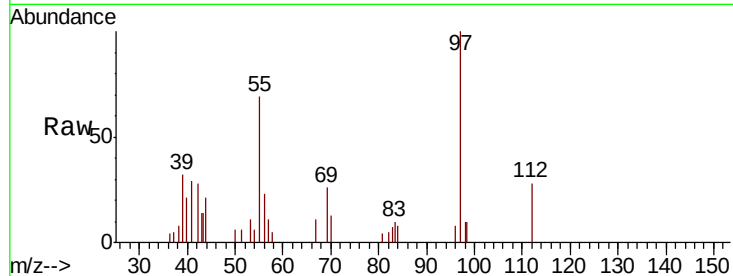




#51
4-Methyl-2-Pentanone
Concen: 0.222 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.01 min
Lab File: VX011016.D
Acq: 19 Jul 2019 20:31

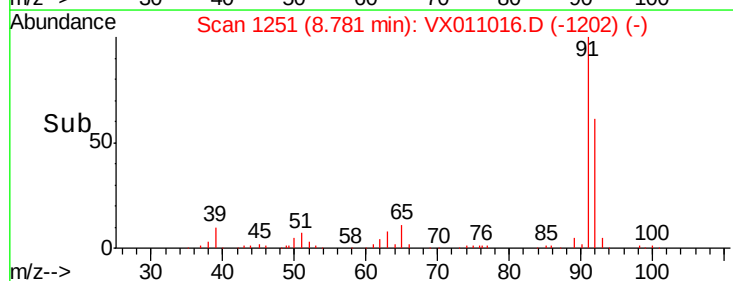
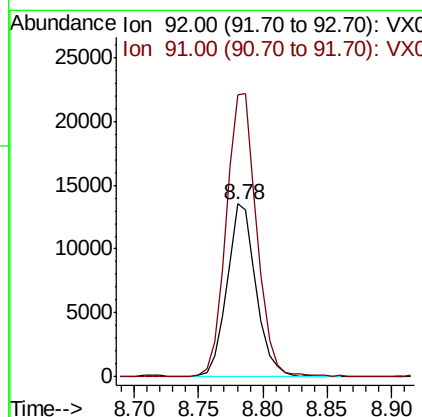
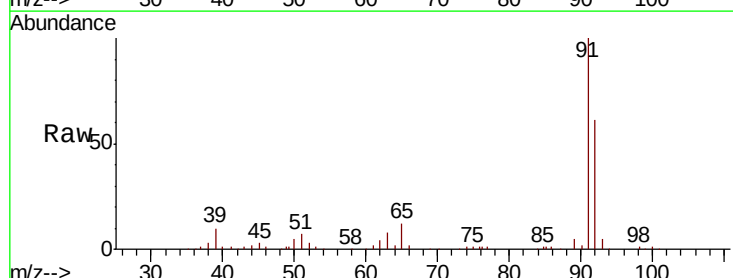
Instrument :
MSVOA_X
ClientSampleId :
FL-0609DL

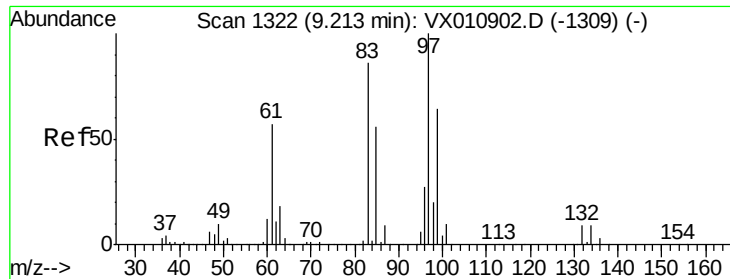
Tot Ion: 43 Resp: 668
Ion Ratio Lower Upper
43 100
58 0.0 32.2 48.4#



#52
Toluene
Concen: 3.852 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VX011016.D
Acq: 19 Jul 2019 20:31

Tgt Ion: 92 Resp: 21391
Ion Ratio Lower Upper
92 100
91 172.1 139.4 209.0

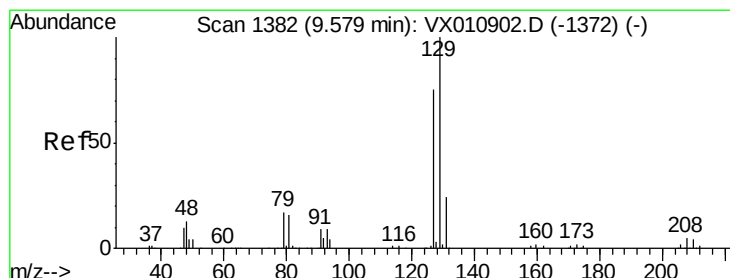
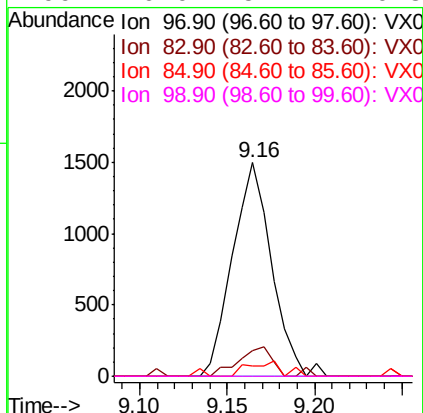
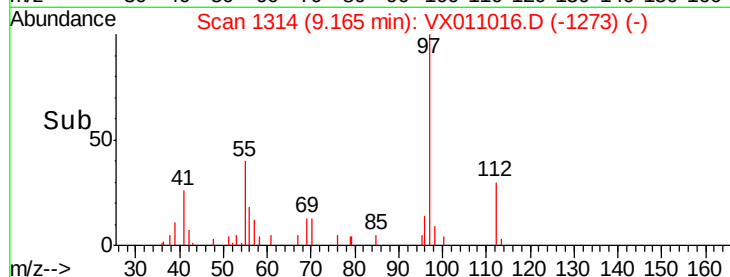
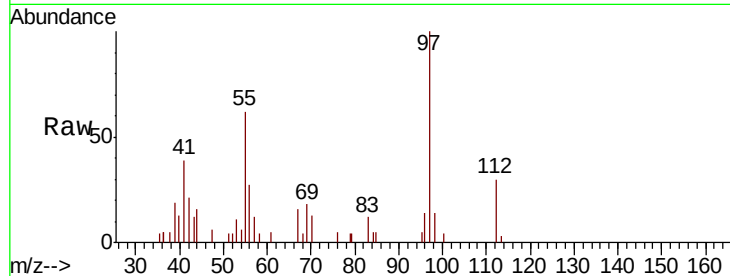




#55
 1,1,2-Trichloroethane
 Concen: 1.018 ug/l
 RT: 9.16 min Scan# 1314
 Delta R.T. -0.05 min
 Lab File: VX011016.D
 Acq: 19 Jul 2019 20:31

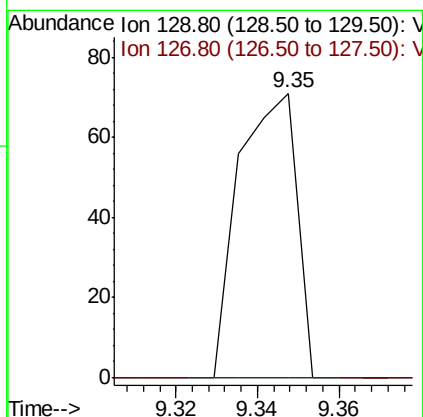
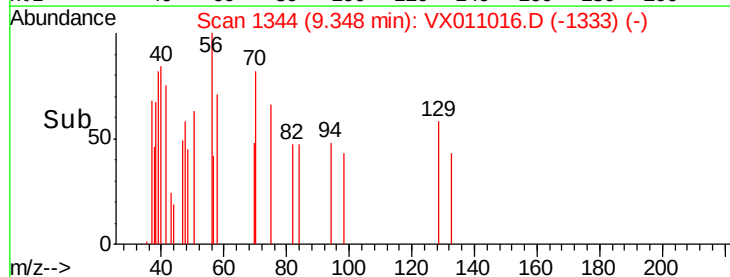
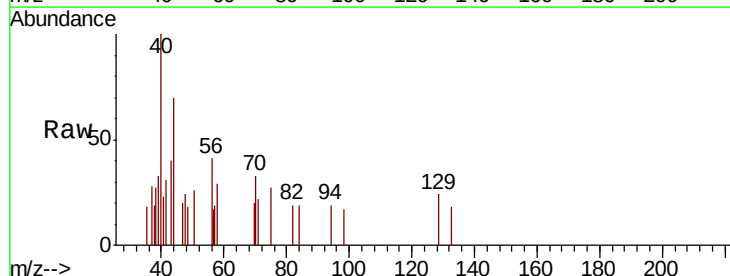
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0609DL

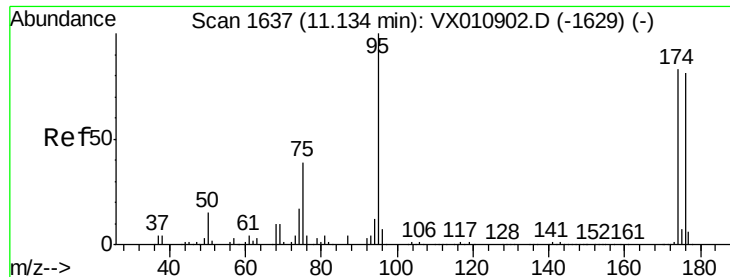
Tot Ion: 97 Resp: 2327
 Ion Ratio Lower Upper
 97 100
 83 12.2 69.2 103.8#
 85 4.7 44.6 66.8#
 99 0.0 51.2 76.8#



#60
 Dibromochloromethane
 Concen: 2.553 ug/l
 RT: 9.35 min Scan# 1344
 Delta R.T. -0.23 min
 Lab File: VX011016.D
 Acq: 19 Jul 2019 20:31

Tgt Ion: 129 Resp: 70
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.6 115.8#

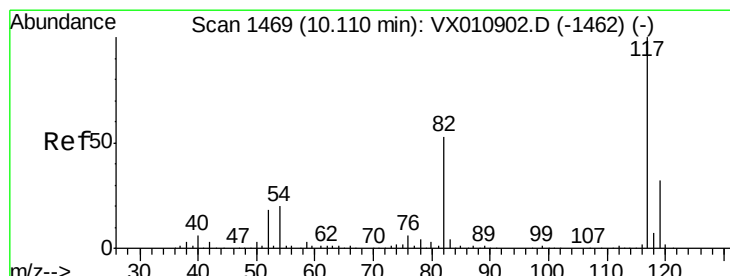
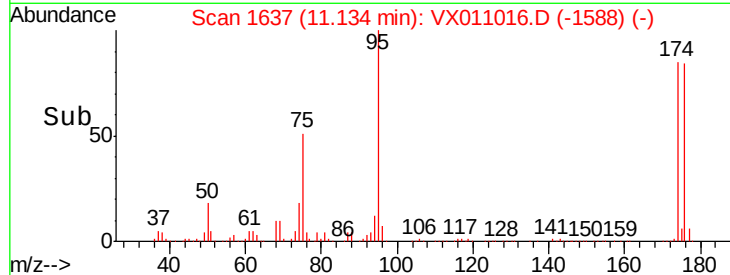
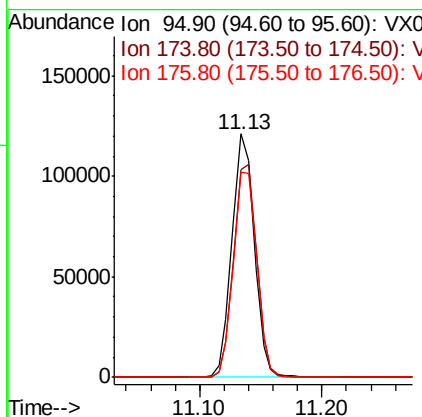
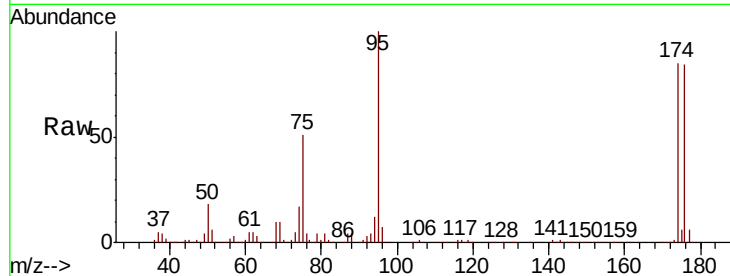




#62
4-Bromofluorobenzene
Concen: 52.109 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011016.D
Acq: 19 Jul 2019 20:31

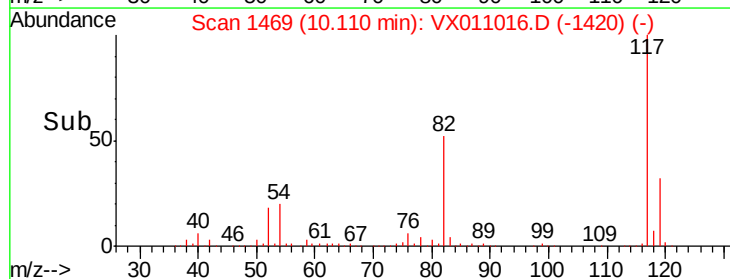
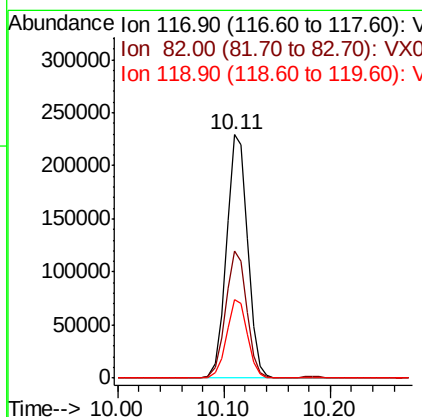
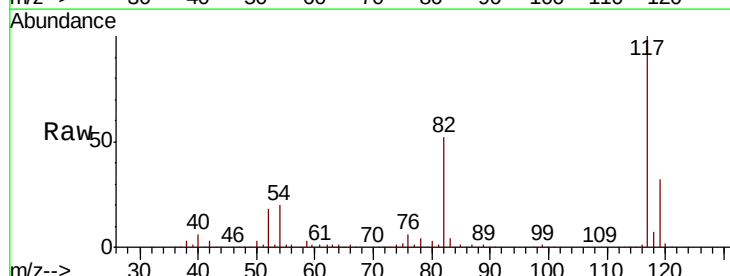
Instrument :
MSVOA_X
ClientSampleId :
FL-0609DL

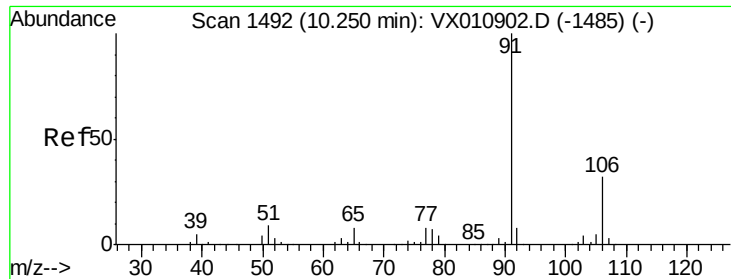
Tot Ion: 95 Resp: 153178
Ion Ratio Lower Upper
95 100
174 90.1 0.0 180.6
176 88.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011016.D
Acq: 19 Jul 2019 20:31

Tgt Ion: 117 Resp: 318909
Ion Ratio Lower Upper
117 100
82 52.3 42.6 63.8
119 32.4 25.9 38.9

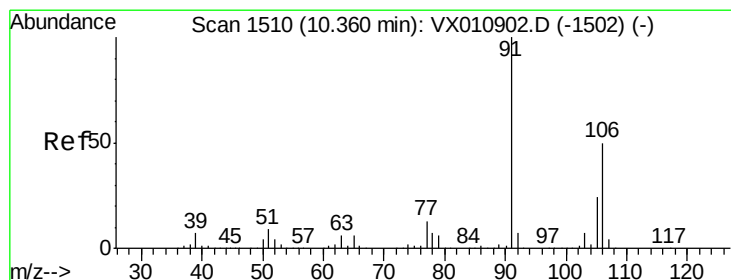
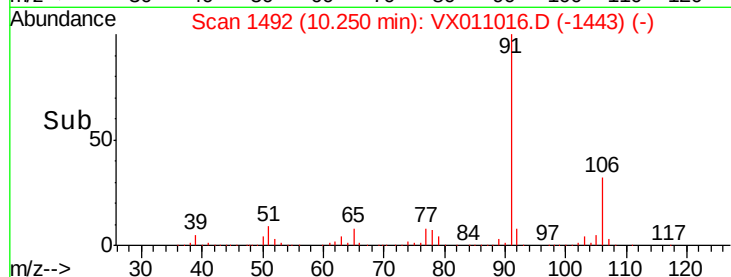
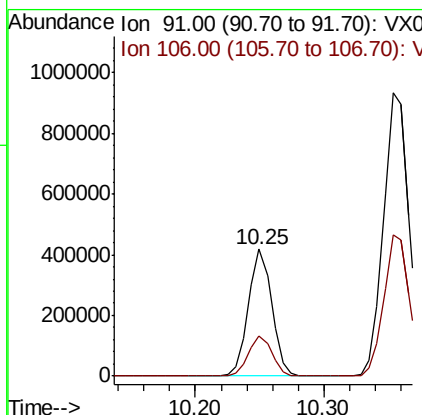
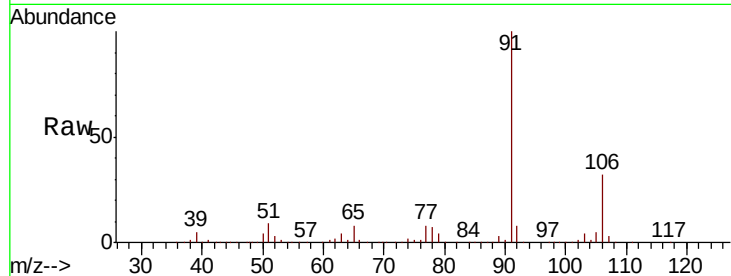




#67
Ethyl Benzene
Concen: 46.912 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX011016.D
Acq: 19 Jul 2019 20:31

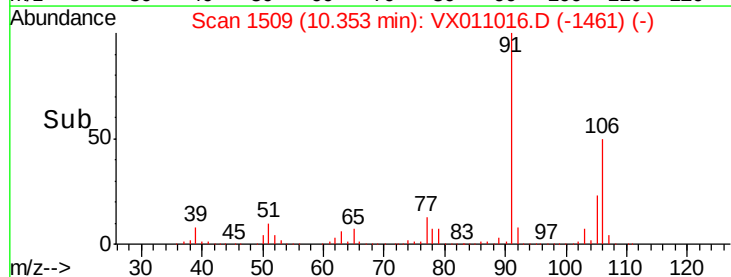
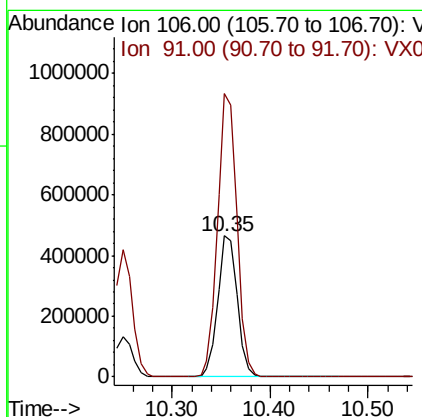
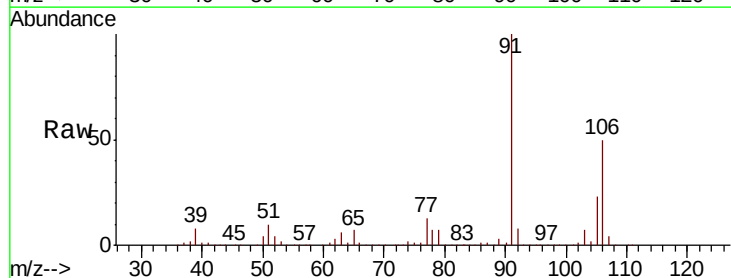
Instrument :
MSVOA_X
ClientSampleID :
FL-0609DL

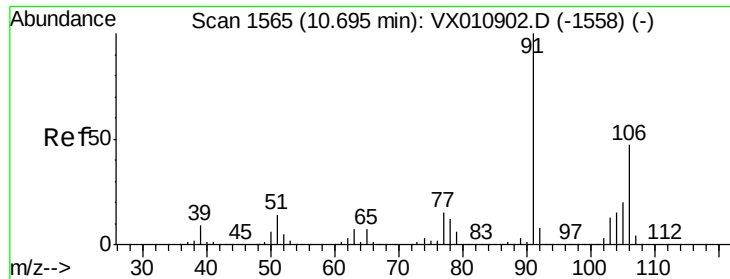
Tot Ion: 91 Resp: 523031
Ion Ratio Lower Upper
91 100
106 31.8 25.4 38.2



#68
m/p-Xylenes
Concen: 149.277 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX011016.D
Acq: 19 Jul 2019 20:31

Tgt Ion: 106 Resp: 638413
Ion Ratio Lower Upper
106 100
91 200.5 160.1 240.1

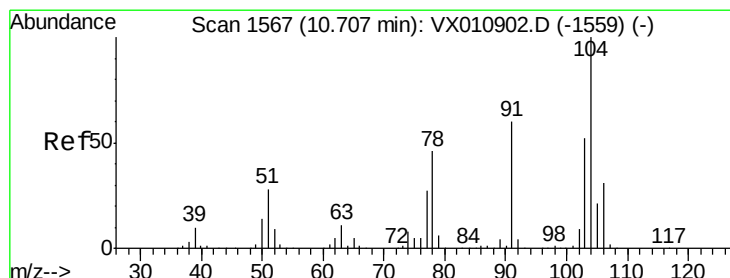
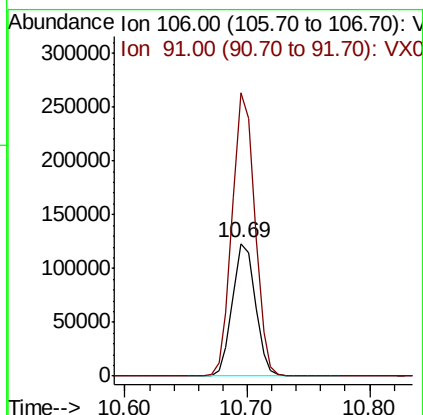
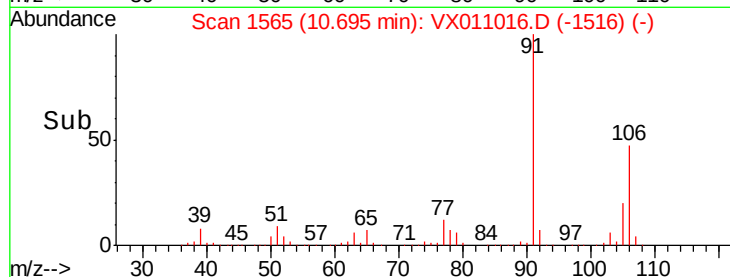
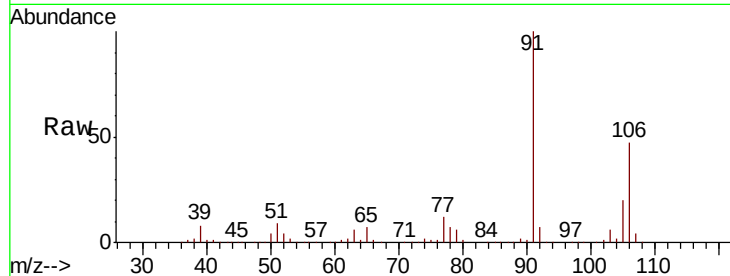




#69
o-Xylene
Concen: 38.333 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011016.D
Acq: 19 Jul 2019 20:31

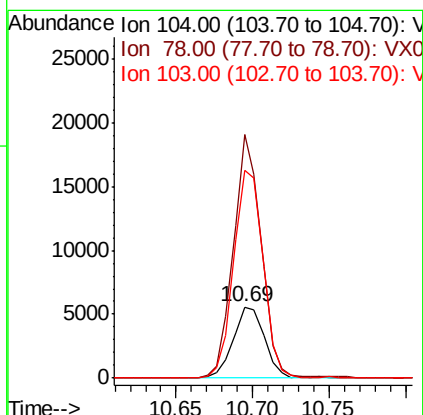
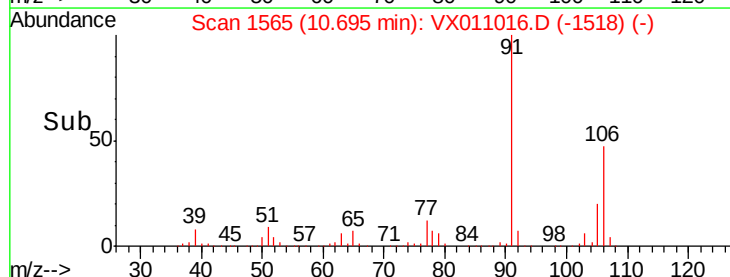
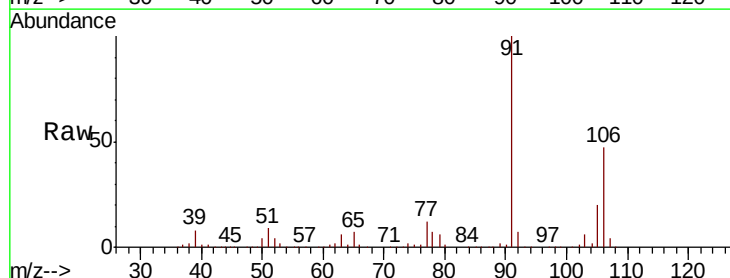
Instrument :
MSVOA_X
ClientSampled :
FL-0609DL

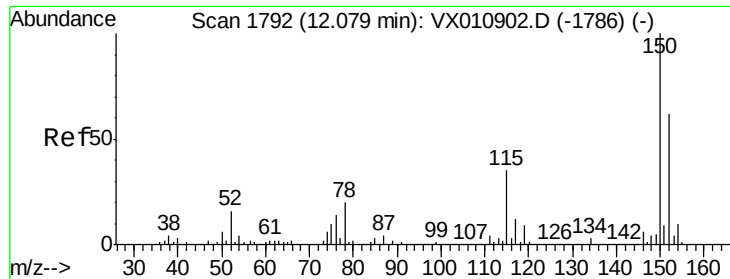
Tot Ion:106 Resp: 159997
Ion Ratio Lower Upper
106 100
91 211.0 105.1 315.3



#70
Styrene
Concen: 1.142 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX011016.D
Acq: 19 Jul 2019 20:31

Tgt Ion:104 Resp: 7944
Ion Ratio Lower Upper
104 100
78 302.3 38.8 58.2#
103 274.4 44.2 66.4#



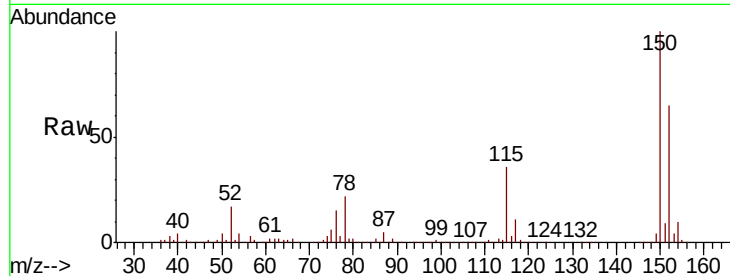


#72

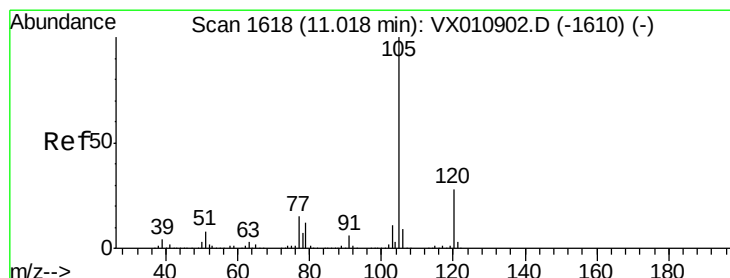
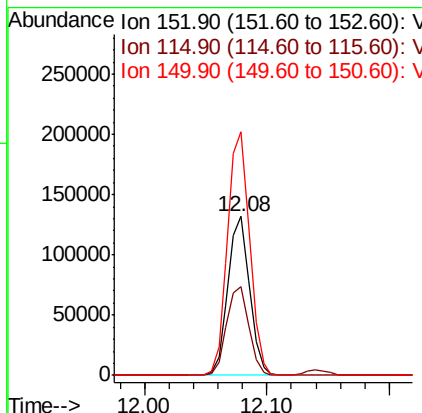
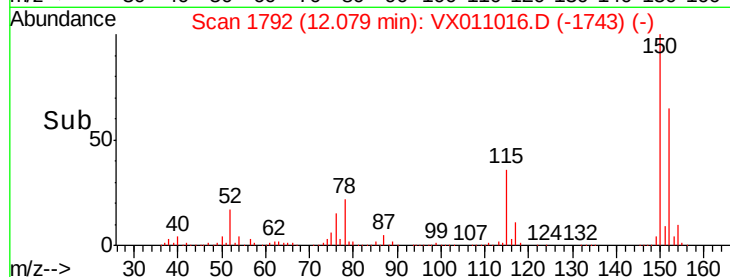
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX011016.D
Acq: 19 Jul 2019 20:31

Instrument :
MSVOA_X
ClientSampled :
FL-0609DL

Tot Ion:152 Resp: 160785
Ion Ratio Lower Upper
152 100
115 57.7 39.7 119.1
150 156.5 0.0 345.6



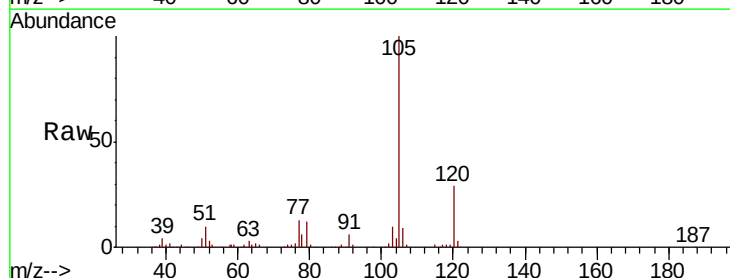
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



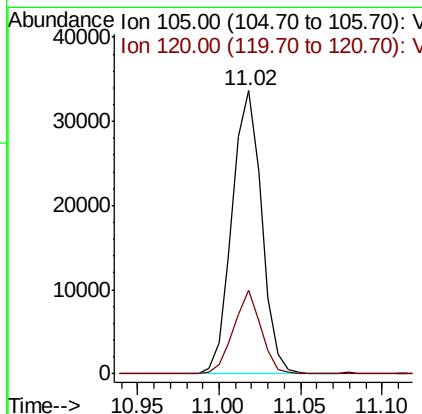
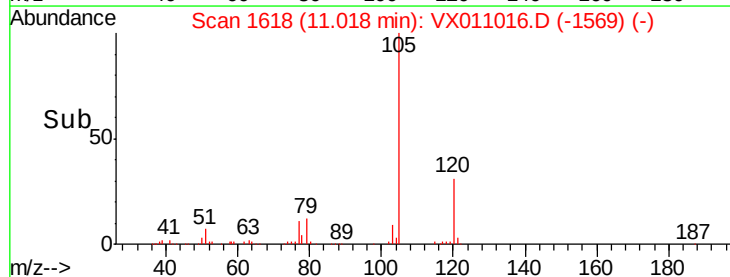
#73

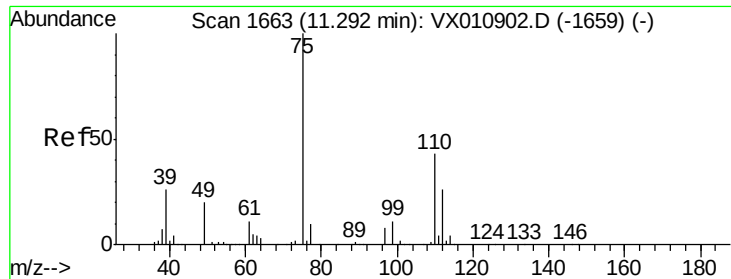
Isopropylbenzene
Concen: 3.923 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX011016.D
Acq: 19 Jul 2019 20:31

Tgt Ion:105 Resp: 42615
Ion Ratio Lower Upper
105 100
120 27.3 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 26.769 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011016.D

Acq: 19 Jul 2019 20:31

Instrument :

MSVOA_X

ClientSampleId :

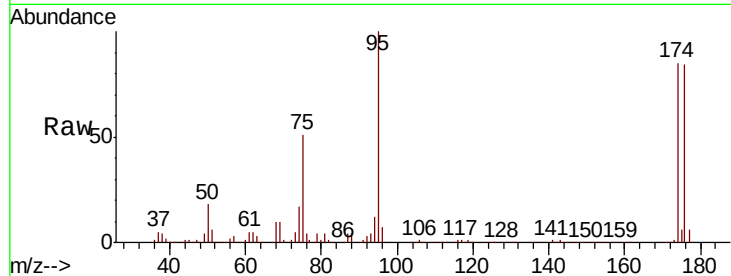
FL-0609DL

Tot Ion: 75 Resp: 77669

Ion Ratio Lower Upper

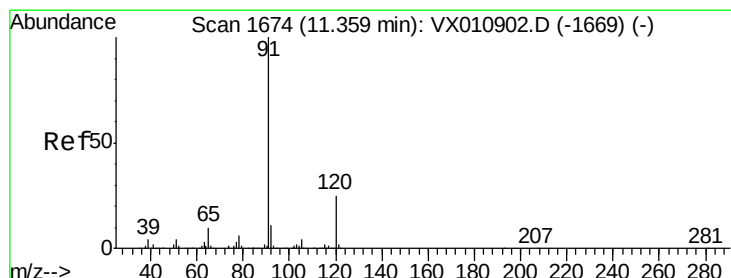
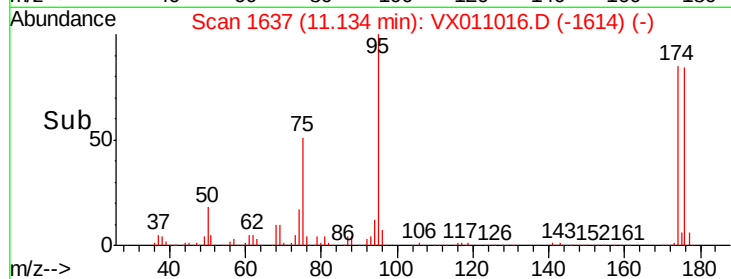
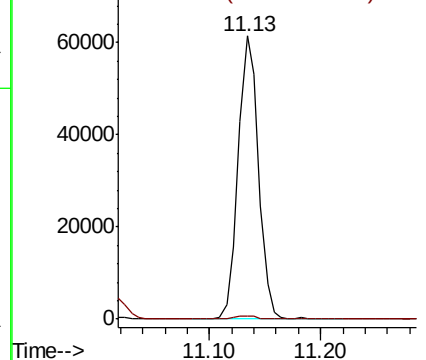
75 100

77 1.2 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: 5.156 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011016.D

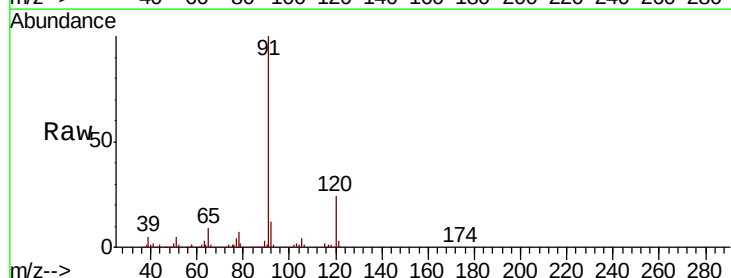
Acq: 19 Jul 2019 20:31

Tgt Ion: 91 Resp: 61890

Ion Ratio Lower Upper

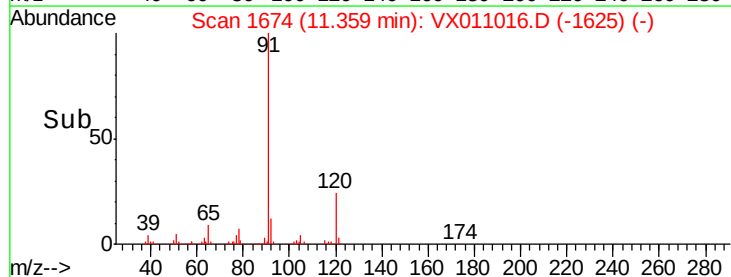
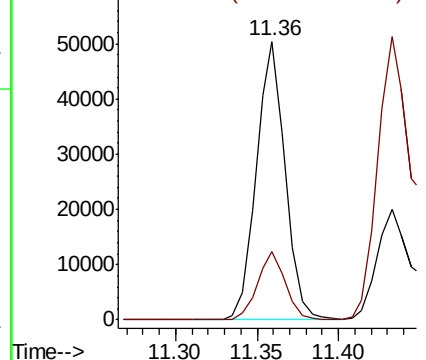
91 100

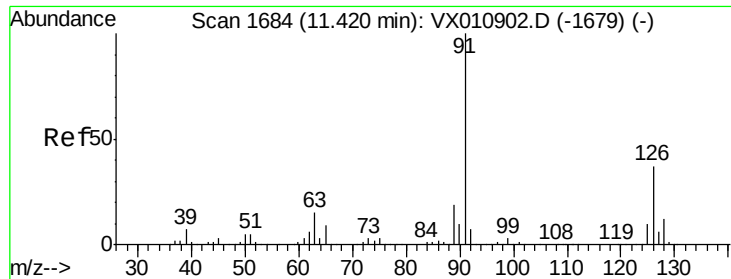
120 23.8 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.522 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX011016.D

Acq: 19 Jul 2019 20:31

Instrument :

MSVOA_X

ClientSampleId :

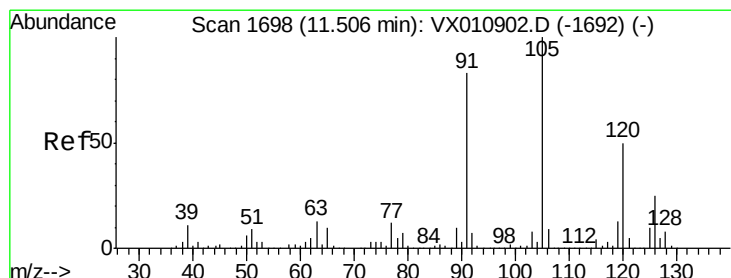
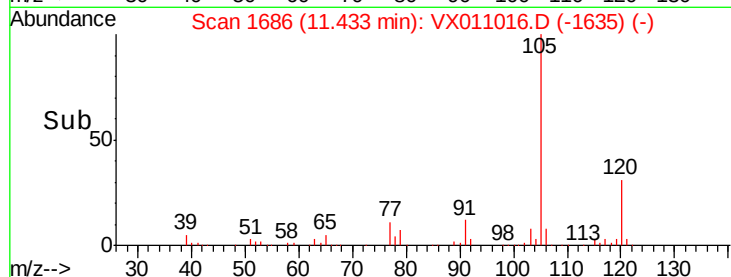
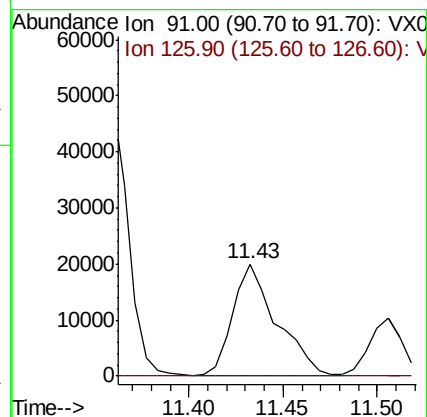
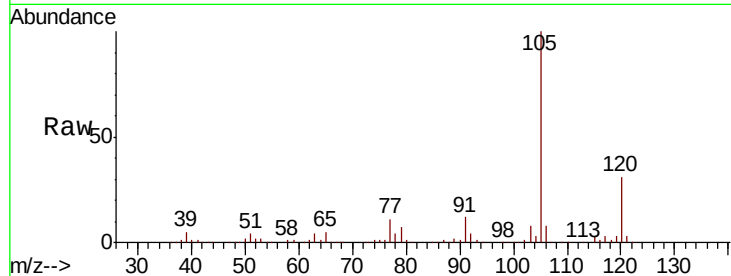
FL-0609DL

Tot Ion: 91 Resp: 32611

Ion Ratio Lower Upper

91 100

126 0.0 18.0 54.0#



#80

1,3,5-Trimethylbenzene

Concen: 12.567 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011016.D

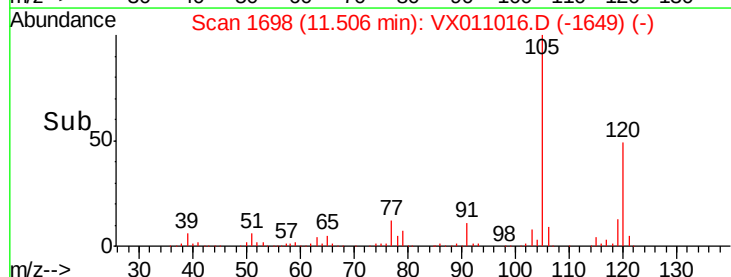
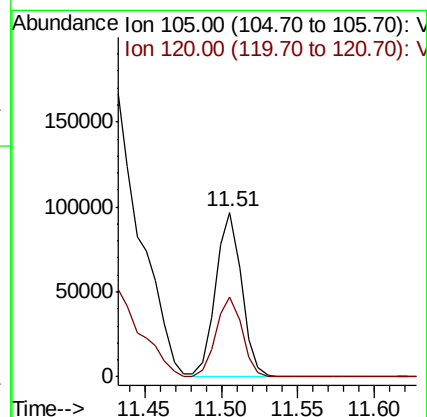
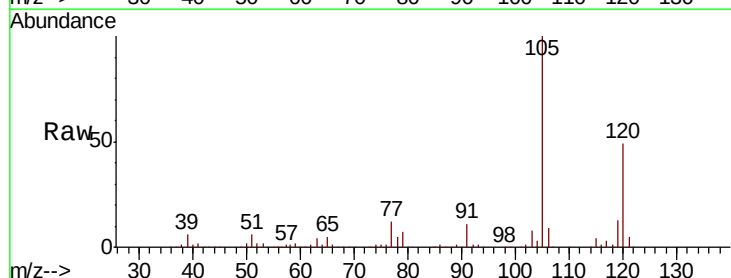
Acq: 19 Jul 2019 20:31

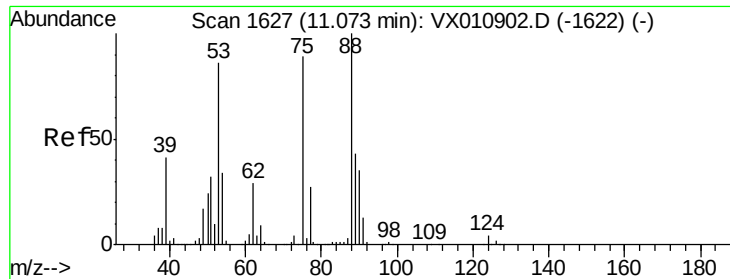
Tgt Ion: 105 Resp: 114088

Ion Ratio Lower Upper

105 100

120 49.3 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 66.402 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011016.D

Acq: 19 Jul 2019 20:31

Instrument :

MSVOA_X

ClientSampled :

FL-0609DL

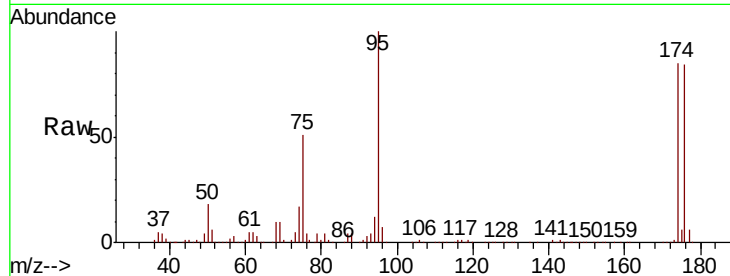
Tot Ion: 75 Resp: 77669

Ion Ratio Lower Upper

75 100

53 0.2 76.7 115.1#

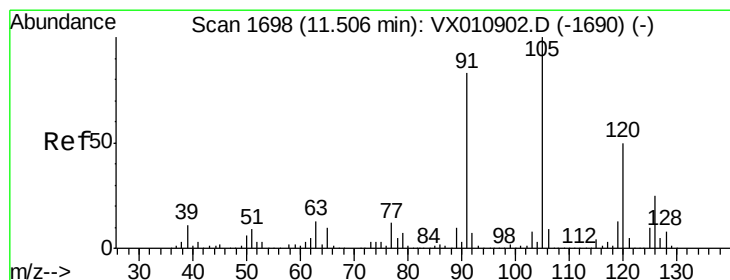
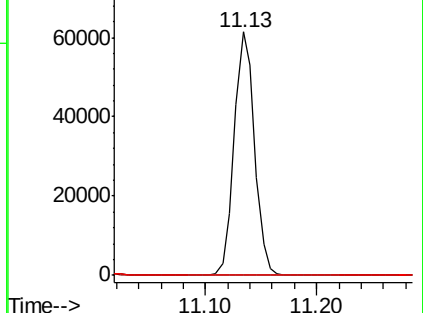
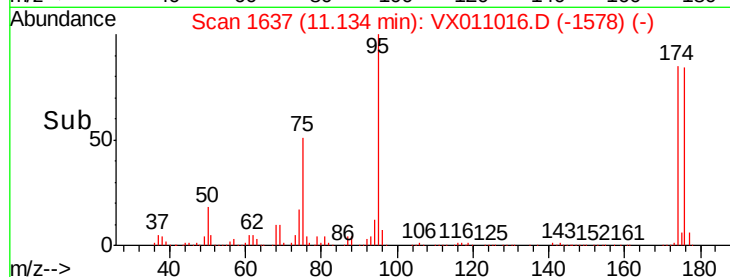
89 0.0 38.5 57.7#



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: 1.511 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011016.D

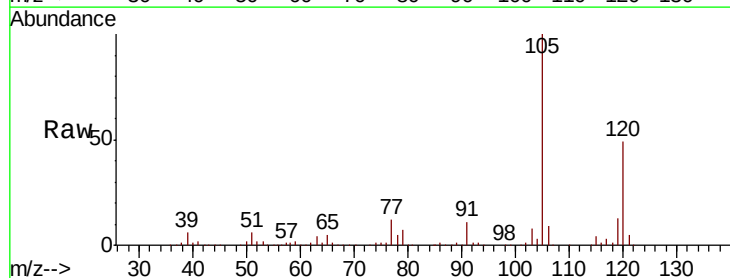
Acq: 19 Jul 2019 20:31

Tgt Ion: 91 Resp: 12680

Ion Ratio Lower Upper

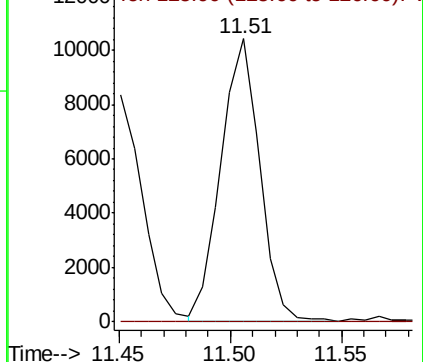
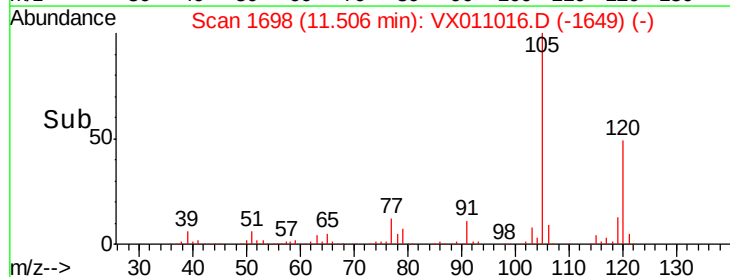
91 100

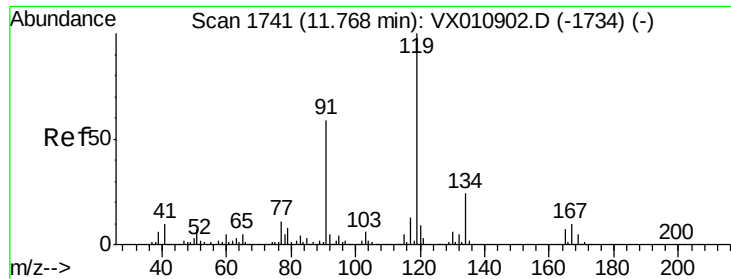
126 0.0 15.9 47.7#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

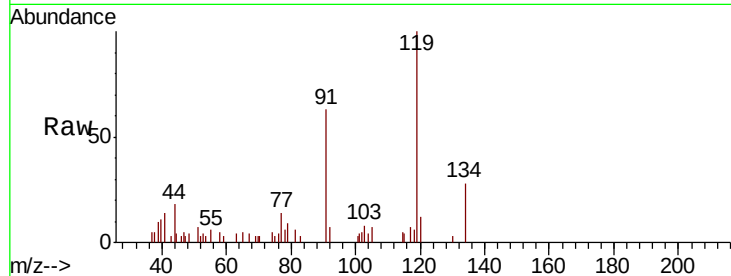




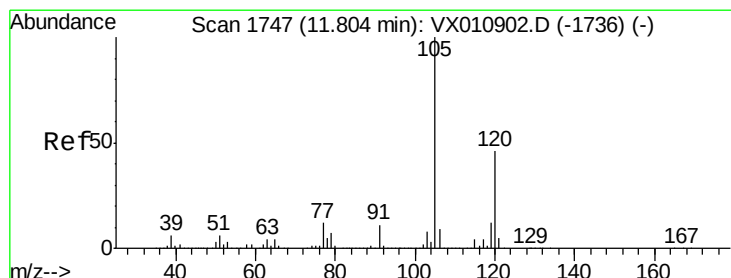
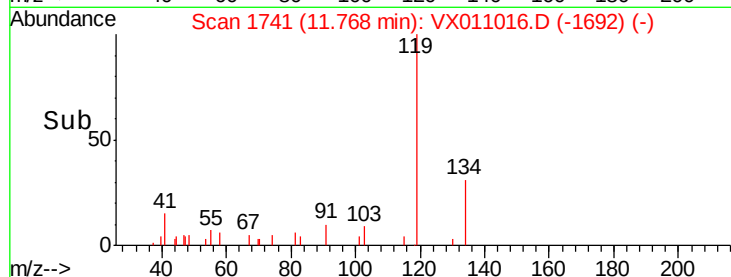
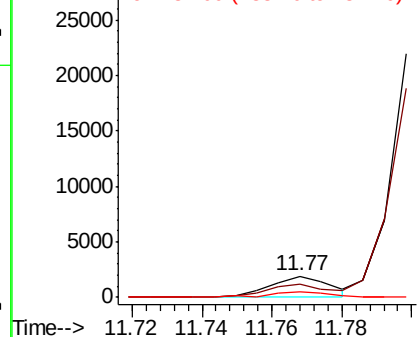
#83
tert-Butylbenzene
Concen: 0.251 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX011016.D
Acq: 19 Jul 2019 20:31

Instrument :
MSVOA_X
ClientSampleId :
FL-0609DL

Tot Ion:119 Resp: 2241
Ion Ratio Lower Upper
119 100
91 67.2 28.6 85.8
134 26.6 11.6 34.8

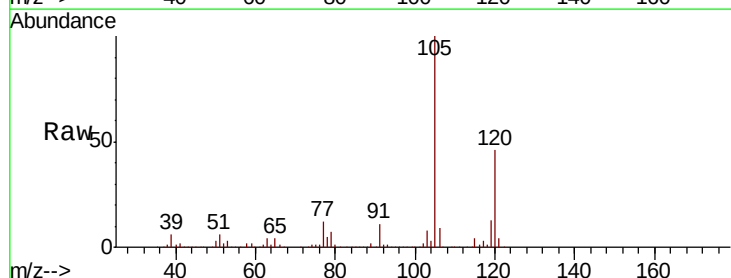


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V

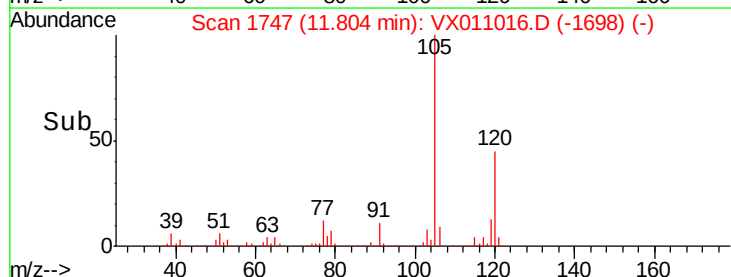
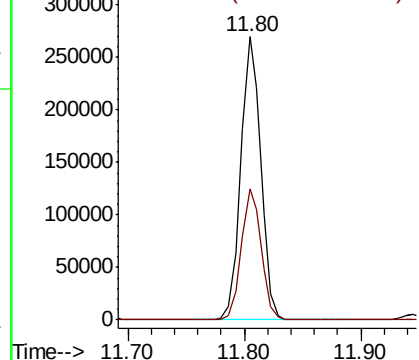


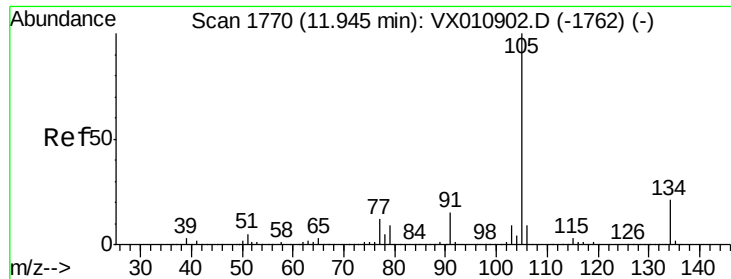
#84
1,2,4-Trimethylbenzene
Concen: 35.269 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX011016.D
Acq: 19 Jul 2019 20:31

Tgt Ion:105 Resp: 322704
Ion Ratio Lower Upper
105 100
120 46.3 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: 30.882 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.14 min

Lab File: VX011016.D

Acq: 19 Jul 2019 20:31

Instrument :

MSVOA_X

ClientSampleID :

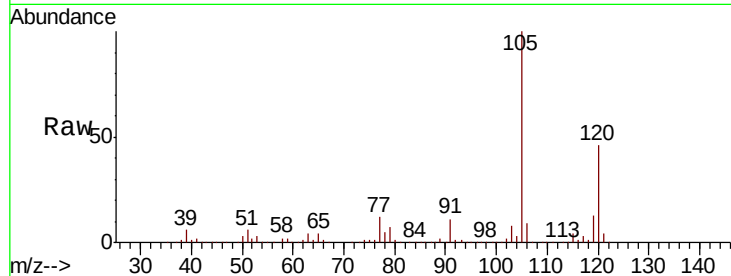
FL-0609DL

Tot Ion:105 Resp: 322666

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

11.80

250000

200000

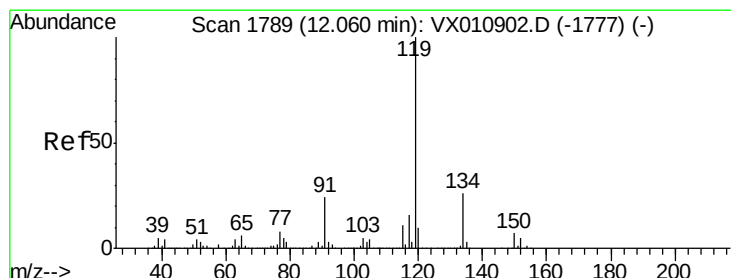
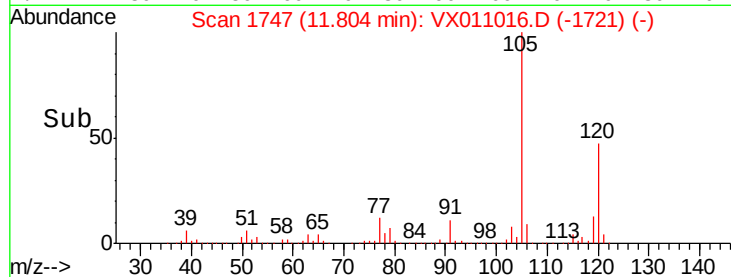
150000

100000

50000

0

Time--> 11.70 11.80 11.90



#86

p-Isopropyltoluene

Concen: 0.614 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011016.D

Acq: 19 Jul 2019 20:31

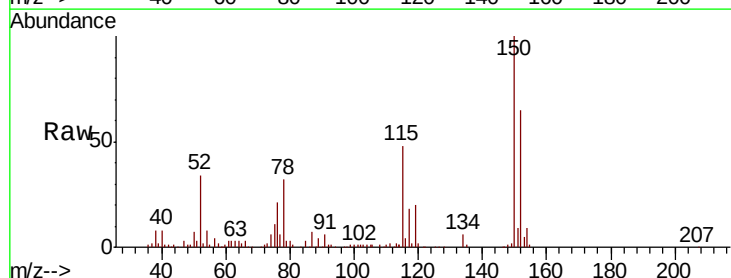
Tgt Ion:119 Resp: 5934

Ion Ratio Lower Upper

119 100

134 28.9 13.4 40.1

91 30.7 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

12000

10000

8000

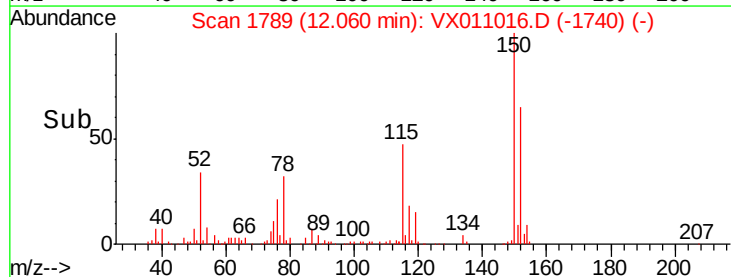
6000

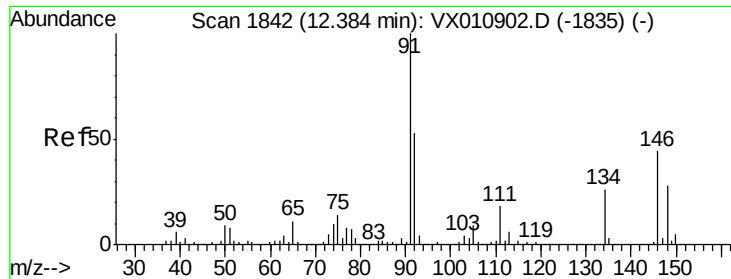
4000

2000

0

Time--> 12.05 12.10





#89

n-Butylbenzene

Concen: 1.183 ug/l

RT: 12.38 min Scan# 1841

Delta R.T. -0.01 min

Lab File: VX011016.D

Acq: 19 Jul 2019 20:31

Instrument :

MSVOA_X

ClientSampled :

FL-0609DL

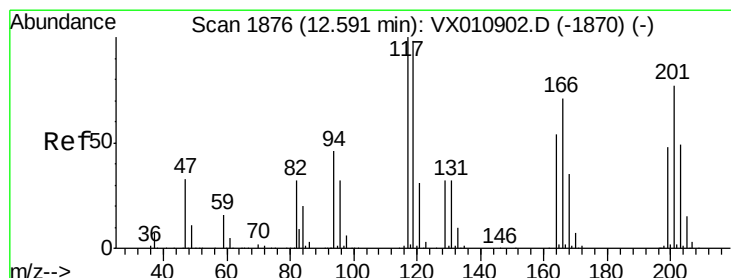
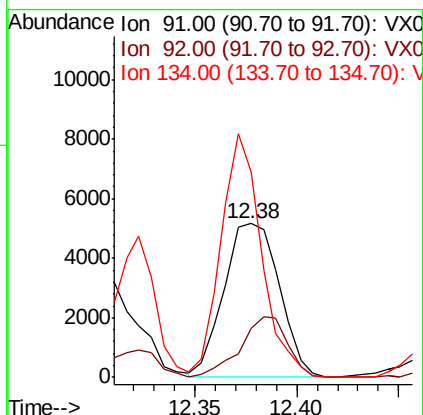
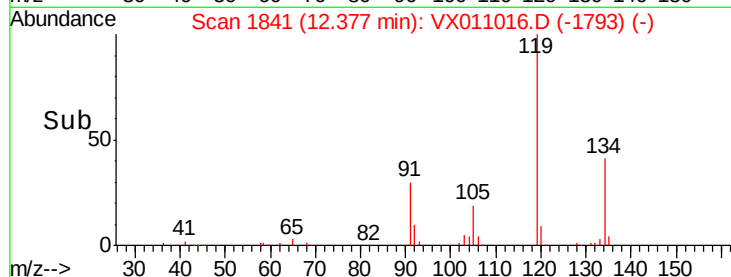
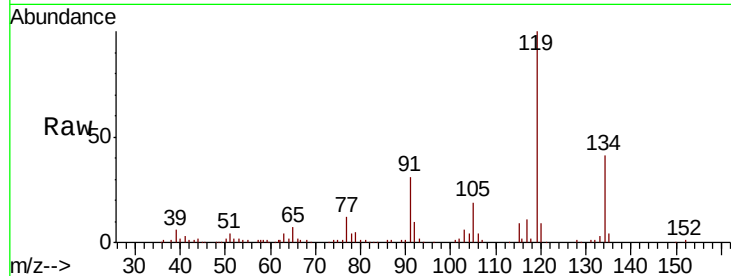
Tot Ion: 91 Resp: 9776

Ion Ratio Lower Upper

91 100

92 33.4 26.2 78.5

134 115.0 13.8 41.3#



#90

Hexachloroethane

Concen: 2.035 ug/l

RT: 12.61 min Scan# 1879

Delta R.T. 0.02 min

Lab File: VX011016.D

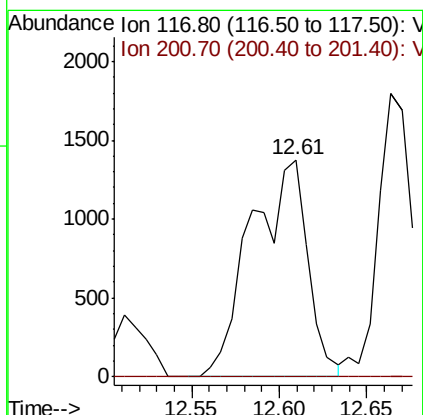
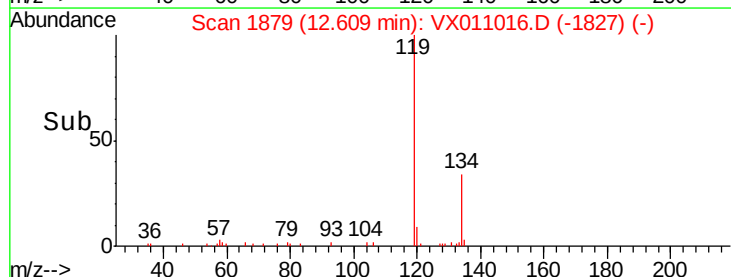
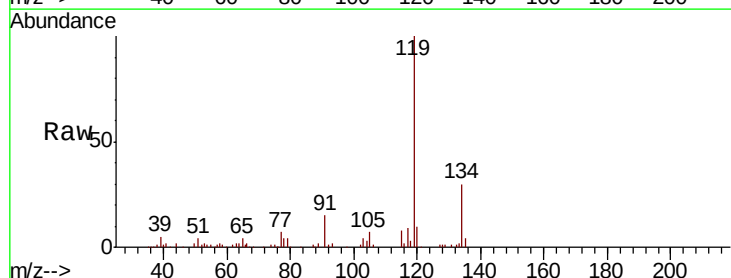
Acq: 19 Jul 2019 20:31

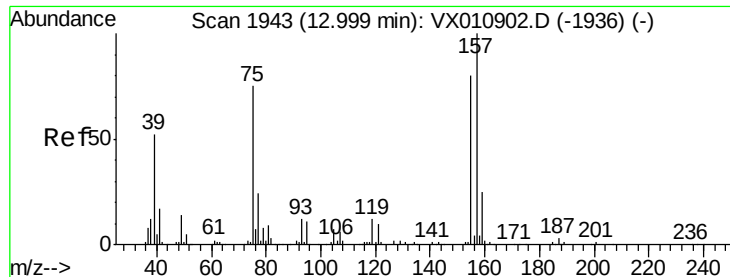
Tgt Ion: 117 Resp: 3100

Ion Ratio Lower Upper

117 100

201 0.0 43.3 129.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.362 ug/l

RT: 13.01 min Scan# 1945

Delta R.T. 0.01 min

Lab File: VX011016.D

Acq: 19 Jul 2019 20:31

Instrument :

MSVOA_X

ClientSampleId :

FL-0609DL

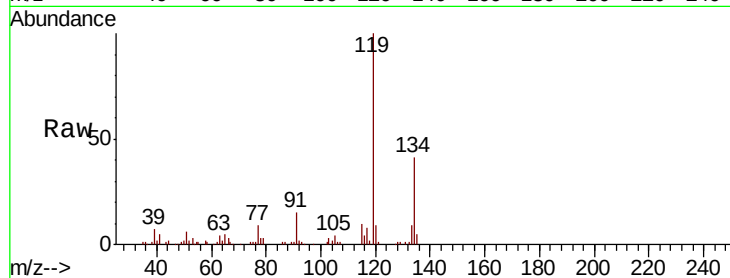
Tot Ion: 75 Resp: 269

Ion Ratio Lower Upper

75 100

155 0.0 48.7 146.1#

157 0.0 62.5 187.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

Time-->

13.01

250

200

150

100

50

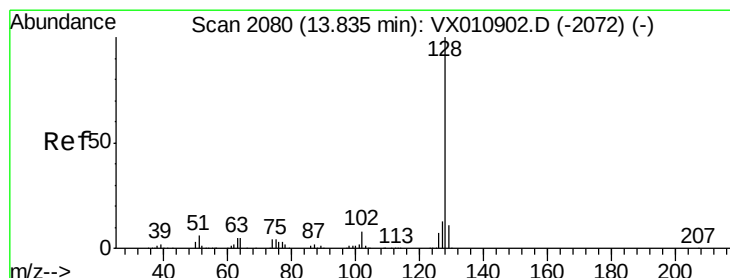
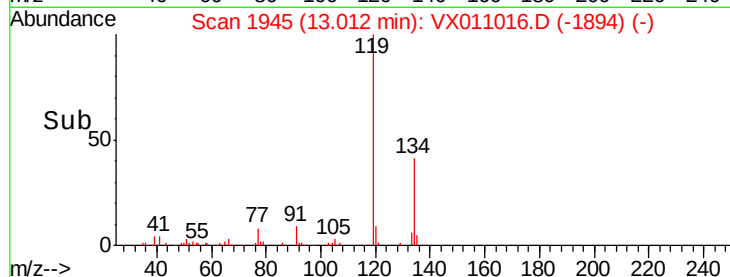
0

12.98

13.00

13.02

13.04



#95

Naphthalene

Concen: 15.478 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX011016.D

Acq: 19 Jul 2019 20:31

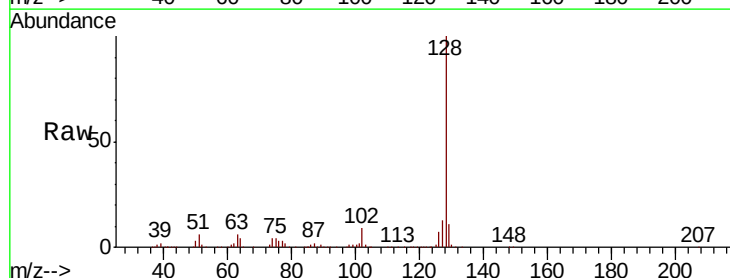
Tgt Ion:128 Resp: 159655

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

129 10.7 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

Time-->

13.83

150000

100000

50000

0

13.80

13.90

