

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\
 Data File : VX010860.D
 Acq On : 13 Jul 2019 00:59
 Operator : JC/SP
 Sample : K3791-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0593

Quant Time: Jul 13 05:16:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	239340	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	374305	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	346718	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	178064	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	125137	55.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.52%	
35) Dibromofluoromethane	5.50	113	112760	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
50) Toluene-d8	8.71	98	455973	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
62) 4-Bromofluorobenzene	11.13	95	161707	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	

Target Compounds

					Qvalue
3) Chloromethane	1.33	50	628	0.324	ug/l # 73
5) Bromomethane	1.65	94	715	0.692	ug/l # 89
6) Chloroethane	1.64	64	584	0.466	ug/l # 86
11) Tert butyl alcohol	3.04	59	349	0.594	ug/l # 74
13) Acrolein	2.39	56	34961	89.752	ug/l # 74
14) Allyl chloride	2.85	41	74227	25.202	ug/l # 64
15) Acrylonitrile	3.17	53	23267	20.013	ug/l # 39
16) Acetone	2.40	43	91251	81.137	ug/l # 48
18) Methyl Acetate	2.84	43	184698	82.400	ug/l # 48
25) 2-Butanone	4.56	43	4337	2.629	ug/l # 55
26) 2,2-Dichloropropane	4.40	77	8139	2.632	ug/l # 49
29) Tetrahydrofuran	5.15	42	223	0.218	ug/l # 28
31) Cyclohexane	5.58	56	621732	191.810	ug/l # 96
36) 1,1-Dichloropropene	5.67	75	15642	5.259	ug/l # 48
38) Carbon Tetrachloride	5.67	117	22427	6.963	ug/l # 15
39) Methylcyclohexane	7.46	83	493265	126.161	ug/l # 96
41) Methacrylonitrile	5.23	41	11862	7.065	ug/l # 44
43) Isopropyl Acetate	6.46	43	8799	1.738	ug/l # 61
45) 1,2-Dichloropropane	7.46	63	4952	2.116	ug/l # 1
47) Bromodichloromethane	7.85	83	1318	0.428	ug/l # 70
48) Methyl methacrylate	7.73	41	34022	14.458	ug/l # 51
49) 1,4-Dioxane	7.75	88	28	0.413	ug/l # 1
51) 4-Methyl-2-Pentanone	8.66	43	4164	1.286	ug/l # 34
55) 1,1,2-Trichloroethane	9.26	97	1439	0.572	ug/l # 29
56) Ethyl methacrylate	9.16	69	5932	1.556	ug/l # 1
67) Ethyl Benzene	10.25	91	95235	8.014	ug/l # 99
68) m/p-Xylenes	10.36	106	40348	8.763	ug/l # 97
73) Isopropylbenzene	11.02	105	64507	5.344	ug/l # 99
74) N-amyl acetate	10.92	43	1015	0.223	ug/l # 1
75) 1,1,2,2-Tetrachloroethane	11.27	83	1344	0.336	ug/l # 39
76) 1,2,3-Trichloropropane	11.43	75	4955	1.527	ug/l # 1
78) n-propylbenzene	11.36	91	201932	15.222	ug/l # 98
79) 2-Chlorotoluene	11.43	91	67652	8.564	ug/l # 38
80) 1,3,5-Trimethylbenzene	11.51	105	240900	24.209	ug/l # 99

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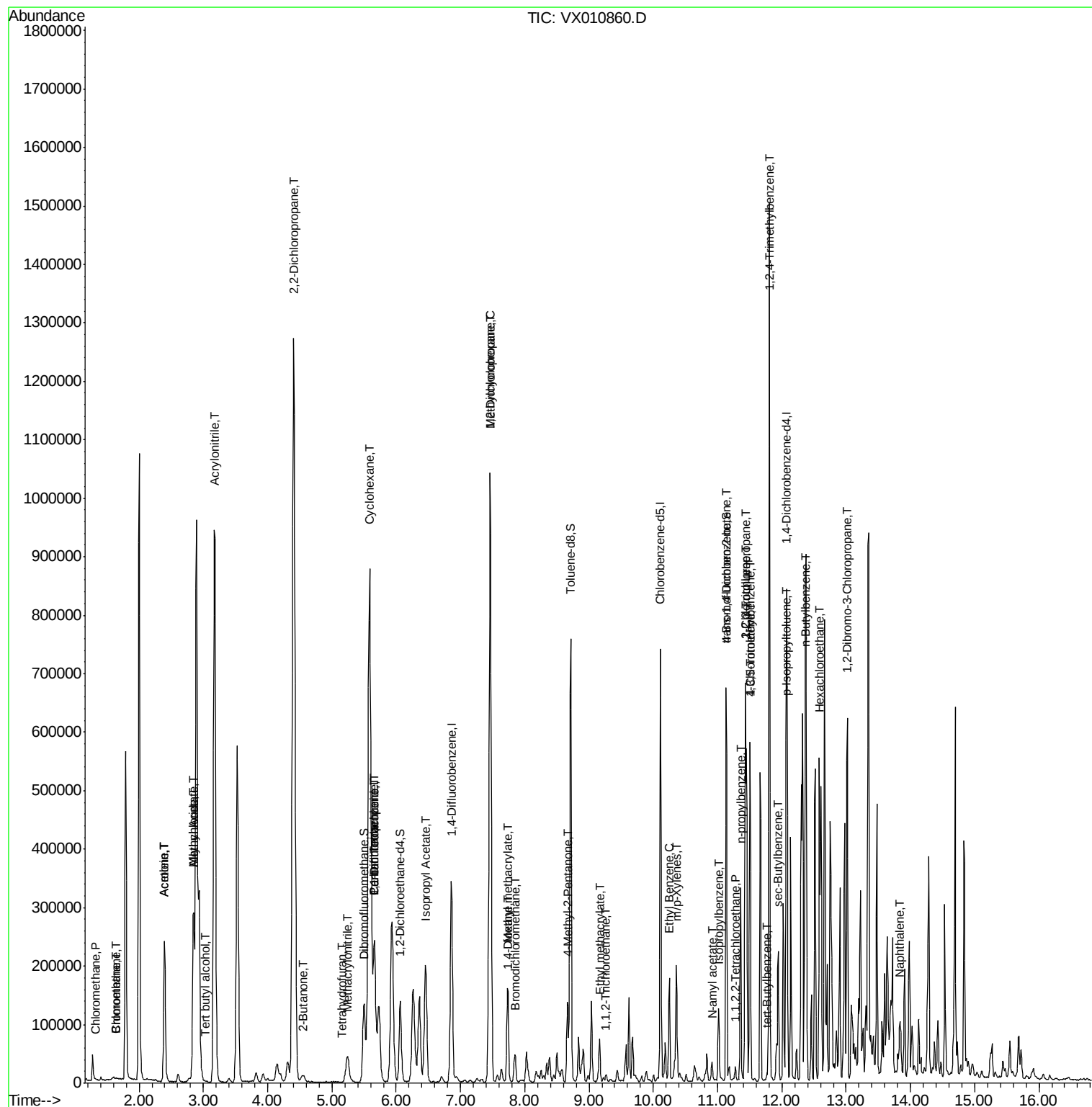
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	11.13	75	79848	57.408	ug/l #	16
82) 4-Chlorotoluene	11.51	91	25086	2.791	ug/l #	43
83) tert-Butylbenzene	11.77	119	4630	0.464	ug/l	81
84) 1,2,4-Trimethylbenzene	11.80	105	645029	64.520	ug/l	99
85) sec-Butylbenzene	11.94	105	118043	10.066	ug/l	85
86) p-Isopropyltoluene	12.06	119	72022	6.640	ug/l	99
89) n-Butylbenzene	12.38	91	148360	16.096	ug/l #	31
90) Hexachloroethane	12.58	117	23353	12.451	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	13.01	75	2034	2.360	ug/l #	1
95) Naphthalene	13.83	128	54288	4.357	ug/l #	92

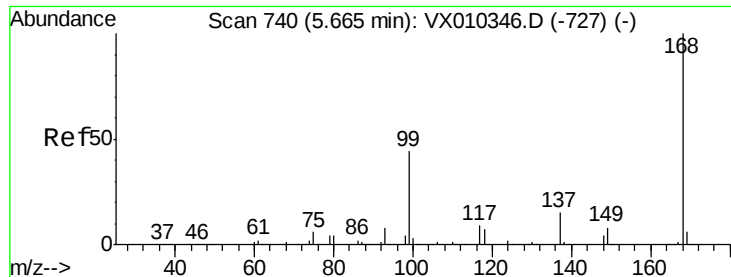
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010860.D

Acq: 13 Jul 2019 00:59

Instrument :

MSVOA_X

ClientSampleId :

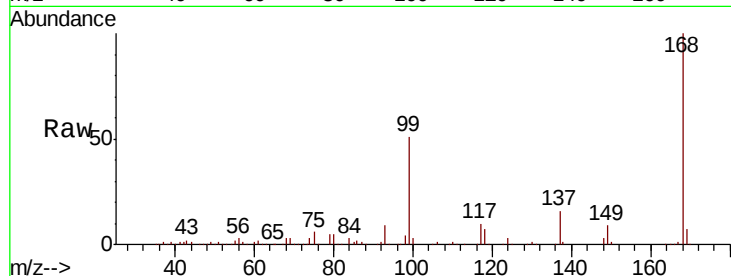
FL-0593

Tot Ion:168 Resp: 239340

Ion Ratio Lower Upper

168 100

99 50.8 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

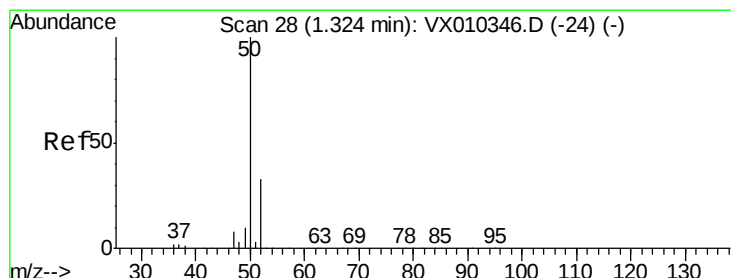
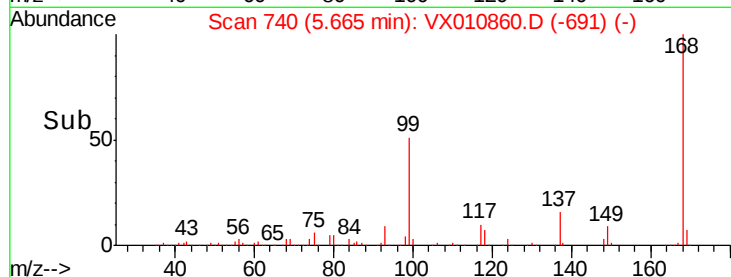
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.324 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010860.D

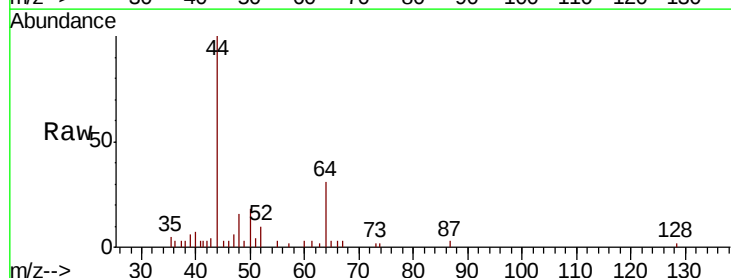
Acq: 13 Jul 2019 00:59

Tgt Ion: 50 Resp: 628

Ion Ratio Lower Upper

50 100

52 48.3 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

500

400

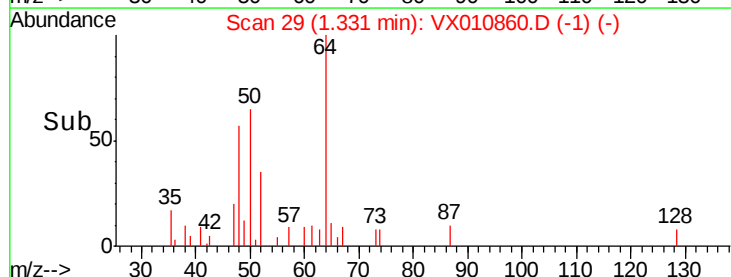
300

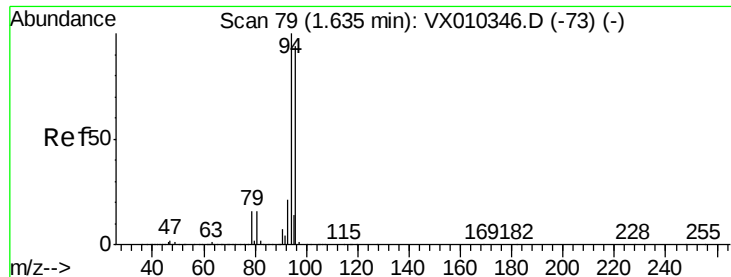
200

100

0

Time--> 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.692 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010860.D

Acq: 13 Jul 2019 00:59

Instrument :

MSVOA_X

ClientSampled :

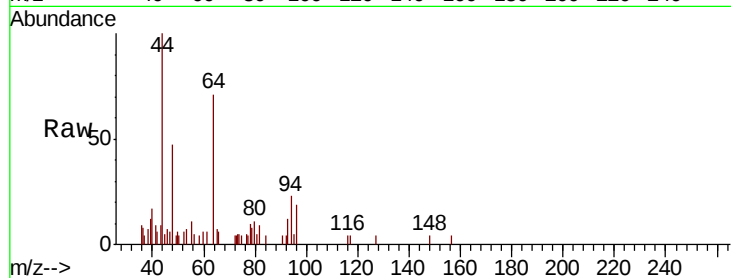
FL-0593

Tot Ion: 94 Resp: 715

Ion Ratio Lower Upper

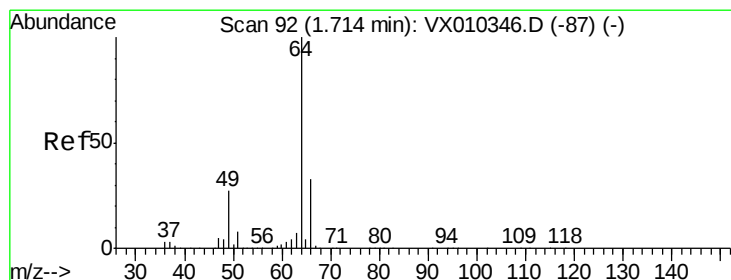
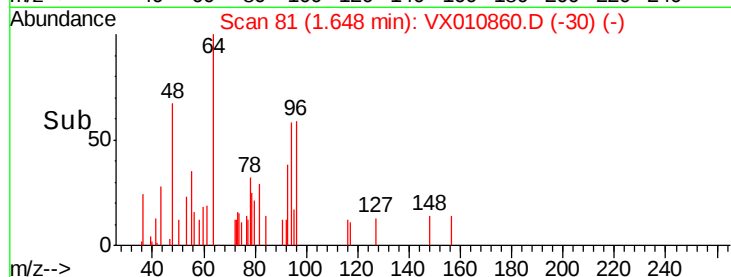
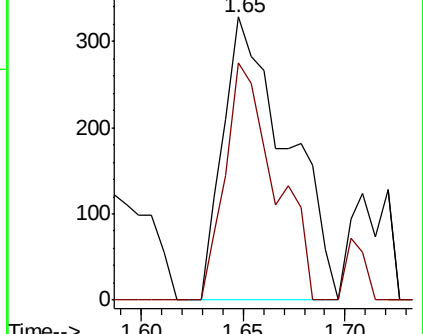
94 100

96 83.8 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.466 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.07 min

Lab File: VX010860.D

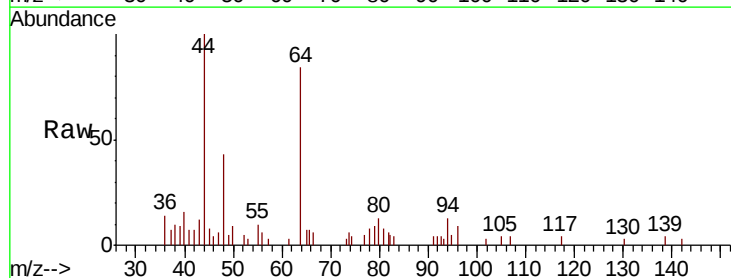
Acq: 13 Jul 2019 00:59

Tgt Ion: 64 Resp: 584

Ion Ratio Lower Upper

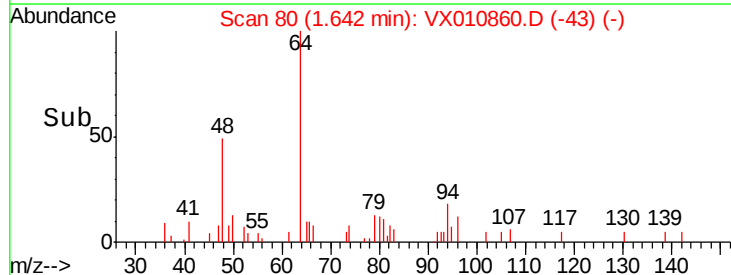
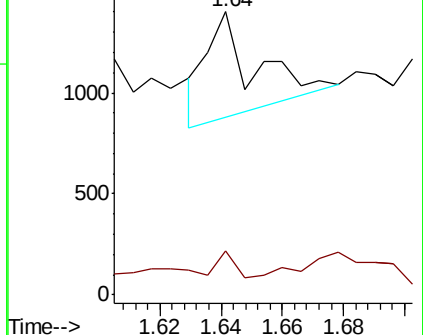
64 100

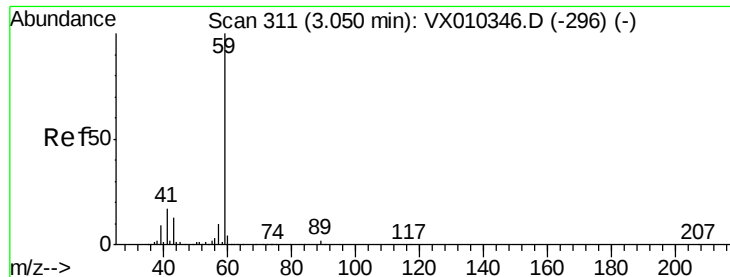
66 25.2 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#11

Tert butyl alcohol

Concen: 0.594 ug/l

RT: 3.04 min Scan# 309

Delta R.T. -0.01 min

Lab File: VX010860.D

Acq: 13 Jul 2019 00:59

Instrument :

MSVOA_X

ClientSampled :

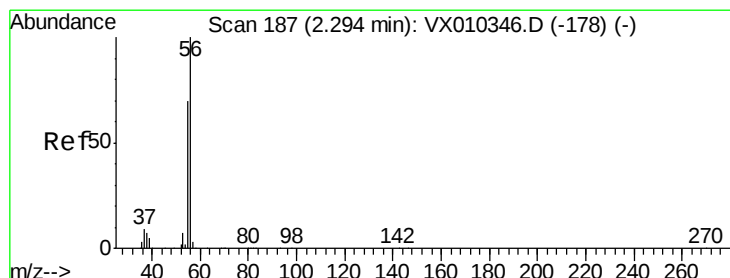
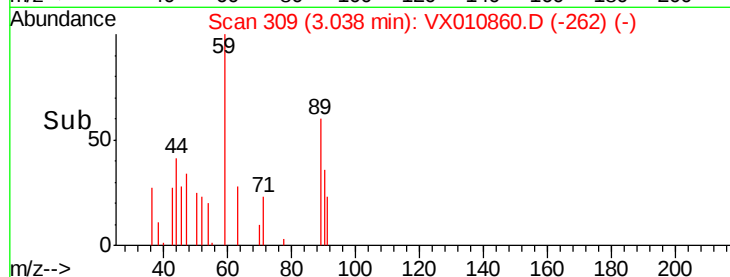
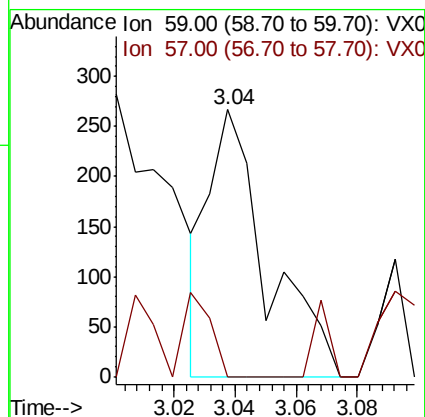
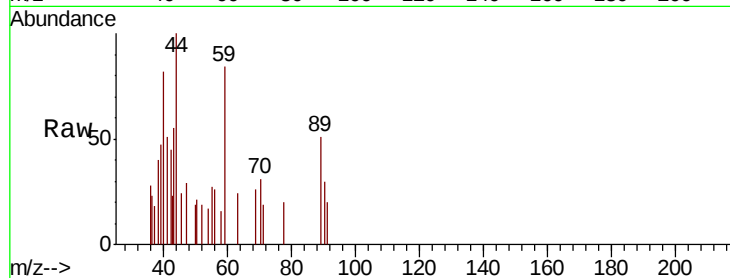
FL-0593

Tot Ion: 59 Resp: 349

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



#13

Acrolein

Concen: 89.752 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.10 min

Lab File: VX010860.D

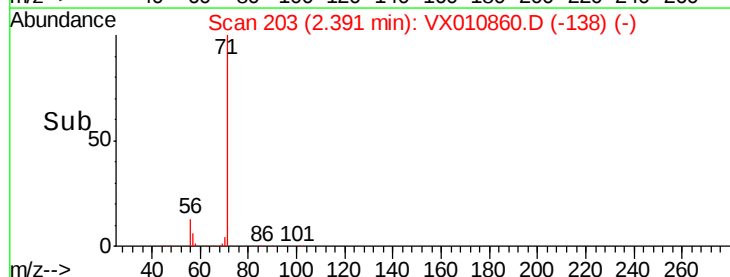
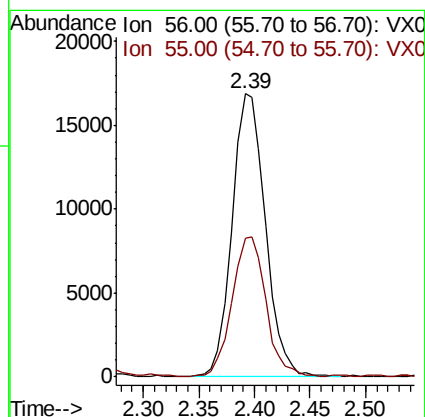
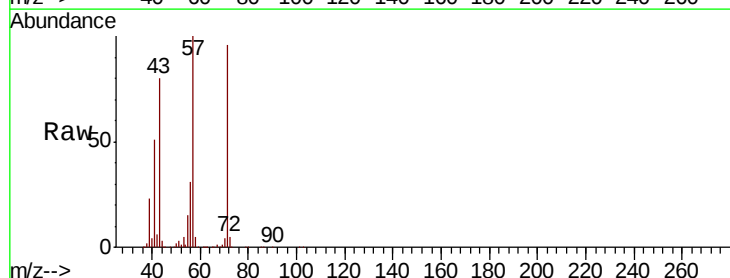
Acq: 13 Jul 2019 00:59

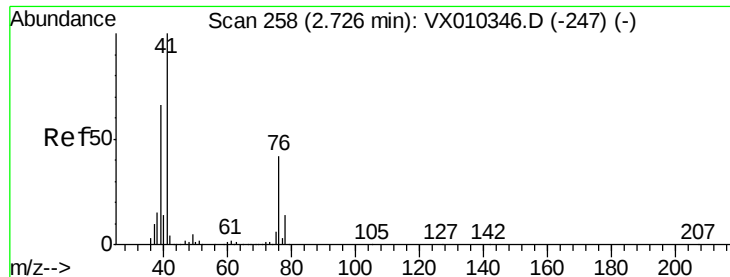
Tgt Ion: 56 Resp: 34961

Ion Ratio Lower Upper

56 100

55 49.3 56.9 85.3#





#14

Allvl chloride

Concen: 25.202 ug/l

RT: 2.85 min Scan# 278

Delta R.T. 0.12 min

Lab File: VX010860.D

Acq: 13 Jul 2019 00:59

Instrument :

MSVOA_X

ClientSampled :

FL-0593

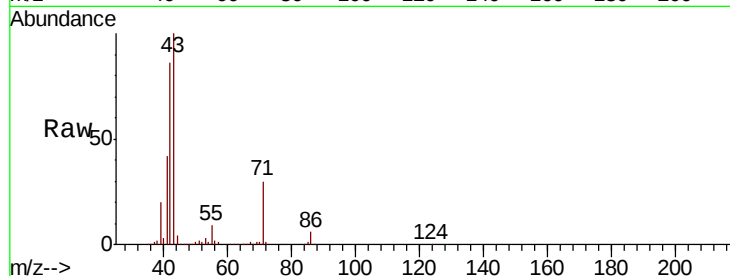
Tot Ion: 41 Resp: 74227

Ion Ratio Lower Upper

41 100

39 48.8 50.3 75.5#

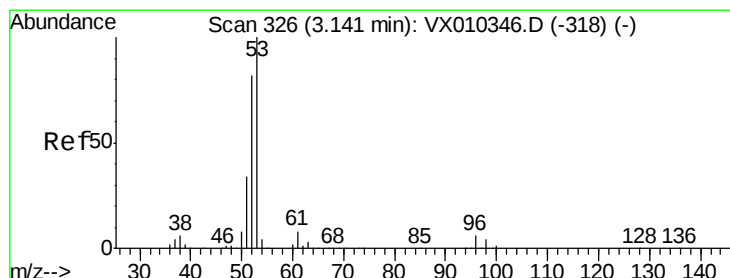
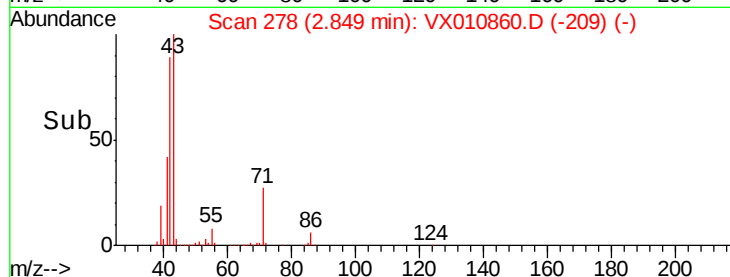
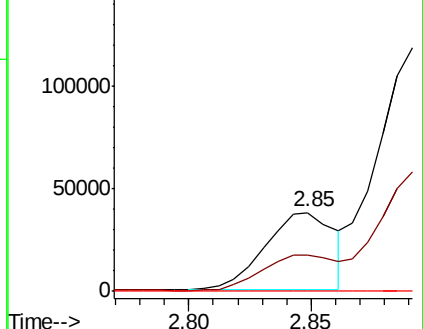
76 0.0 31.3 46.9#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0



#15

Acrylonitrile

Concen: 20.013 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.03 min

Lab File: VX010860.D

Acq: 13 Jul 2019 00:59

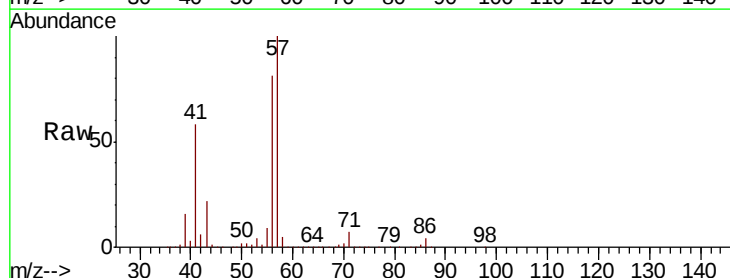
Tgt Ion: 53 Resp: 23267

Ion Ratio Lower Upper

53 100

52 21.9 65.5 98.3#

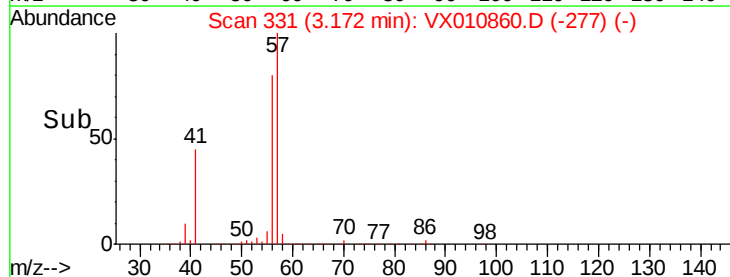
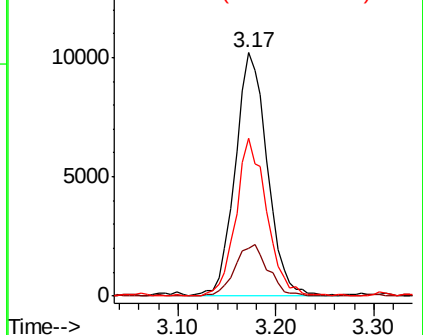
51 62.2 28.2 42.4#

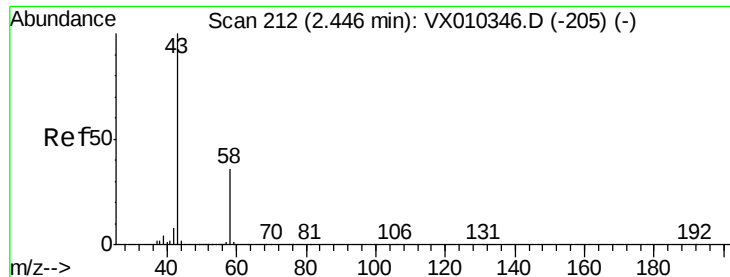


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 81.137 ug/l

RT: 2.40 min Scan# 204

Delta R.T. -0.05 min

Lab File: VX010860.D

Acq: 13 Jul 2019 00:59

Instrument :

MSVOA_X

ClientSampleId :

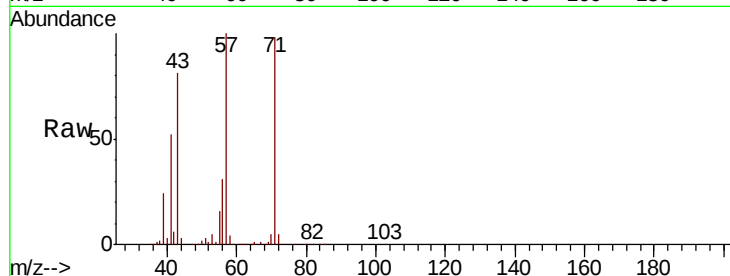
FL-0593

Tot Ion: 43 Resp: 91251

Ion Ratio Lower Upper

43 100

58 5.4 28.9 43.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.40

40000

30000

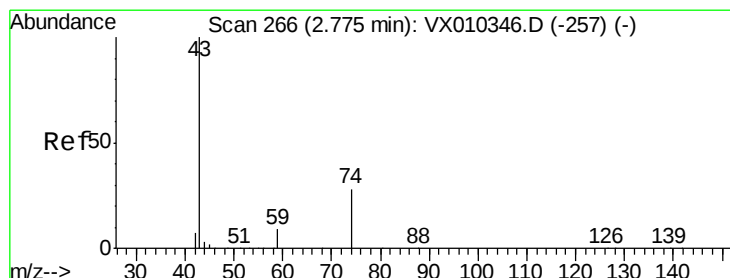
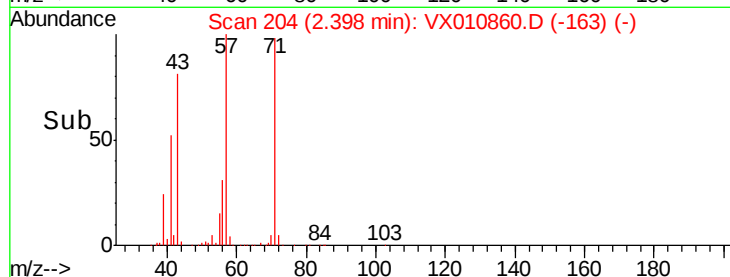
20000

10000

0

Time-->

2.30 2.40 2.50



#18

Methyl Acetate

Concen: 82.400 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.07 min

Lab File: VX010860.D

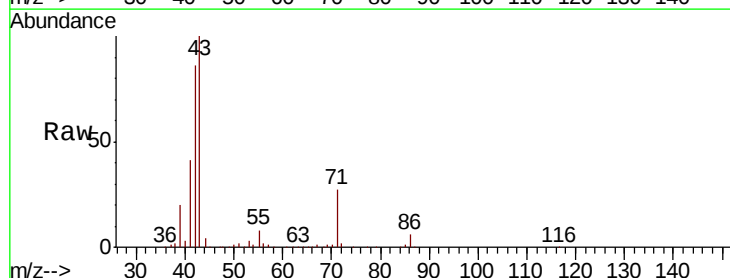
Acq: 13 Jul 2019 00:59

Tgt Ion: 43 Resp: 184698

Ion Ratio Lower Upper

43 100

74 0.0 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

300000

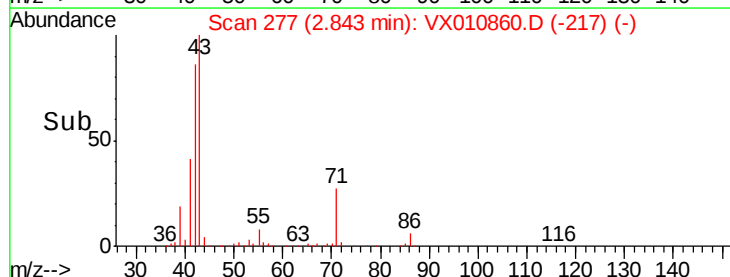
200000

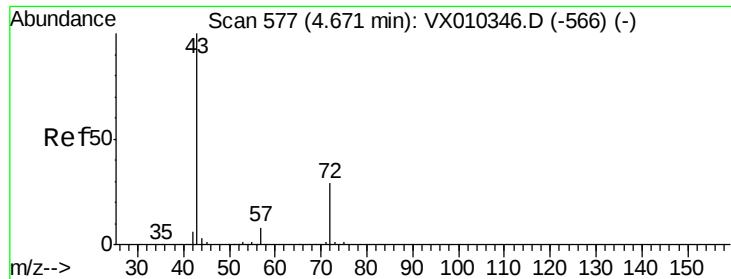
100000

0

Time-->

2.80 2.85





#25

2-Butanone

Concen: 2.629 ug/l

RT: 4.56 min Scan# 559

Delta R.T. -0.11 min

Lab File: VX010860.D

Acq: 13 Jul 2019 00:59

Instrument :

MSVOA_X

ClientSampled :

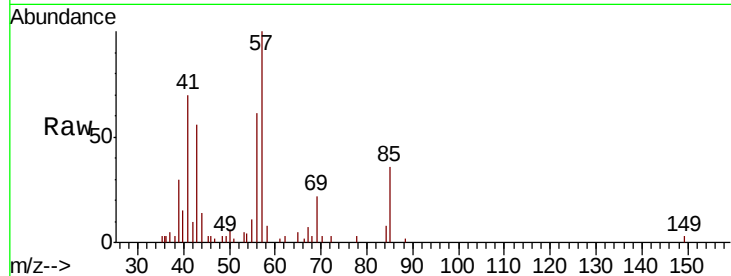
FL-0593

Tot Ion: 43 Resp: 4337

Ion Ratio Lower Upper

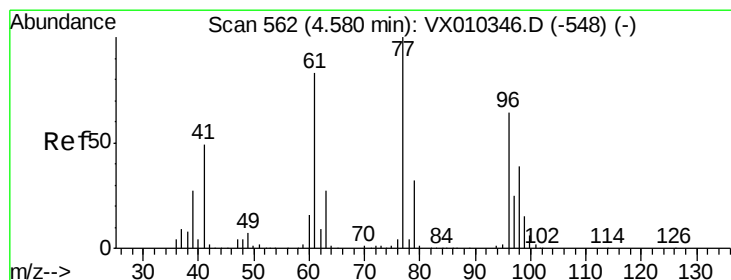
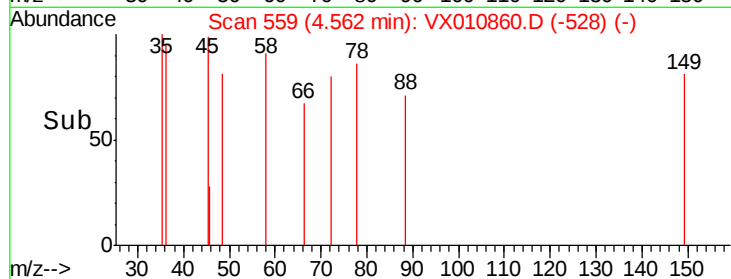
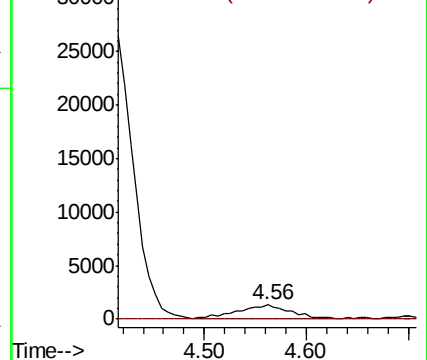
43 100

72 5.1 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 2.632 ug/l

RT: 4.40 min Scan# 533

Delta R.T. -0.18 min

Lab File: VX010860.D

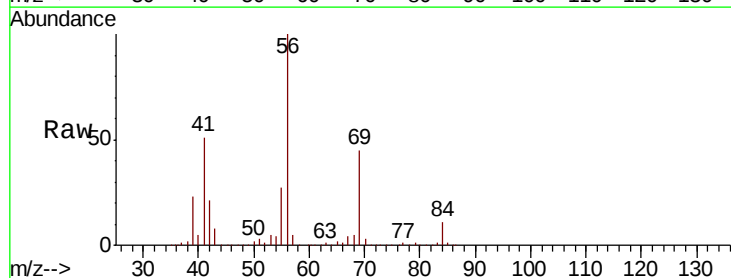
Acq: 13 Jul 2019 00:59

Tgt Ion: 77 Resp: 8139

Ion Ratio Lower Upper

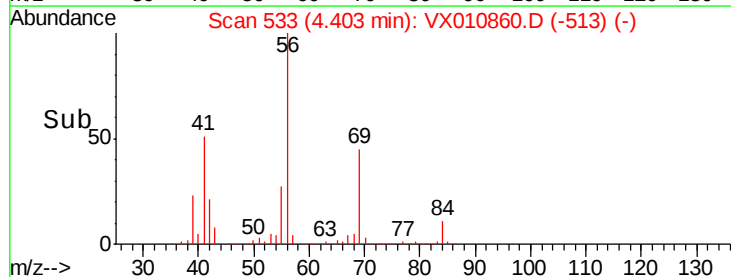
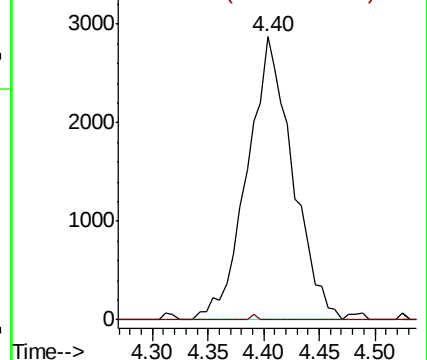
77 100

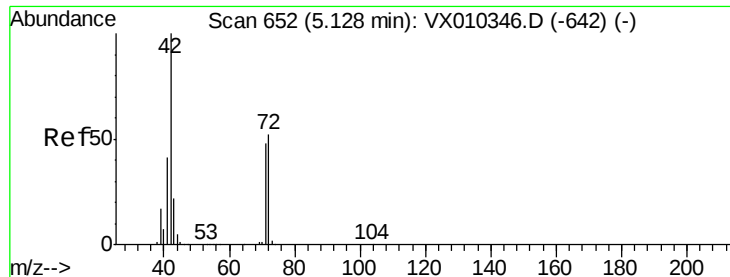
97 0.3 13.1 39.3#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

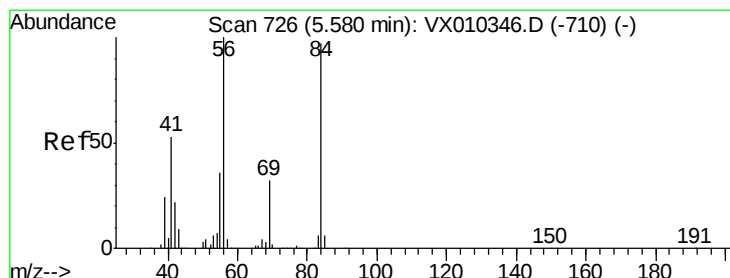
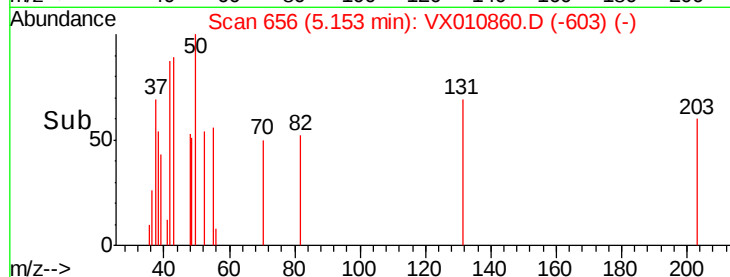
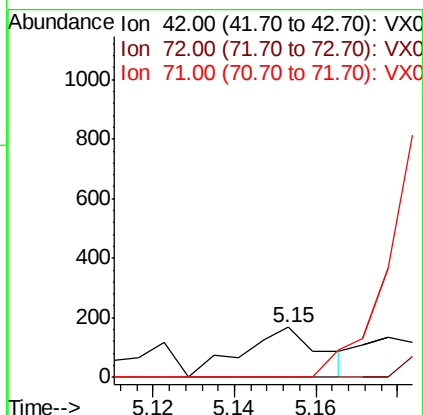
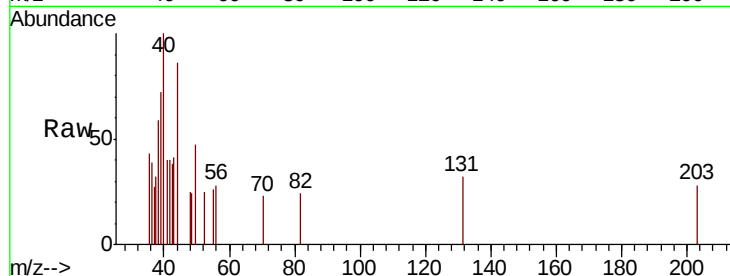




#29
Tetrahydrofuran
Concen: 0.218 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.02 min
Lab File: VX010860.D
Acq: 13 Jul 2019 00:59

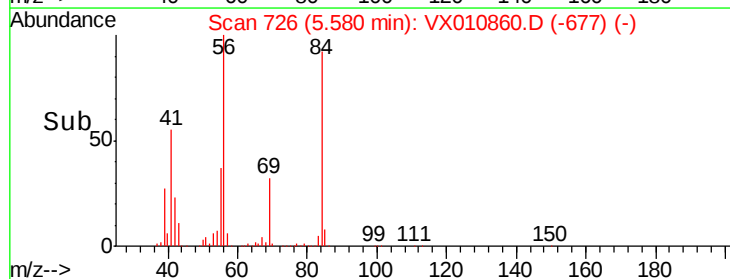
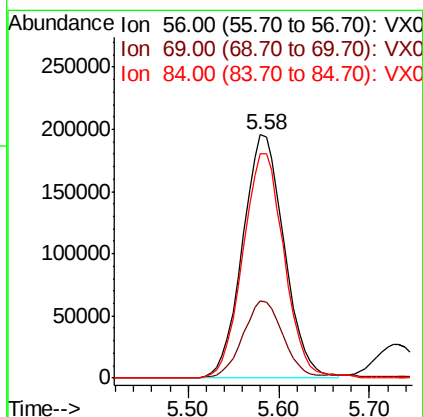
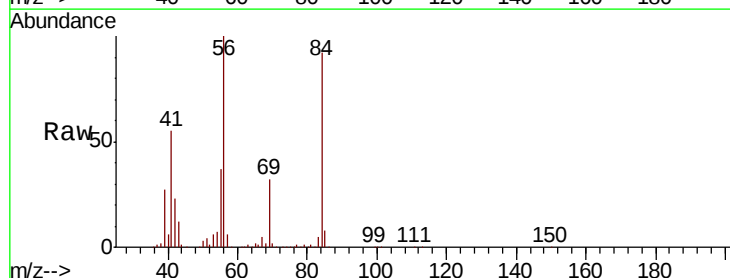
Instrument :
MSVOA_X
ClientSampled :
FL-0593

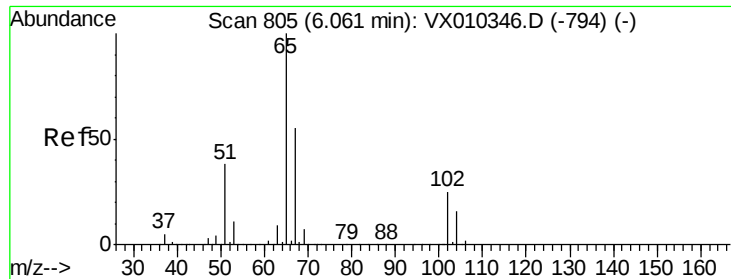
Tot Ion: 42 Resp: 223
Ion Ratio Lower Upper
42 100
72 0.0 40.6 60.8#
71 0.0 37.8 56.8#



#31
Cyclohexane
Concen: 191.810 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX010860.D
Acq: 13 Jul 2019 00:59

Tgt Ion: 56 Resp: 621732
Ion Ratio Lower Upper
56 100
69 31.6 25.9 38.9
84 92.3 78.0 117.0

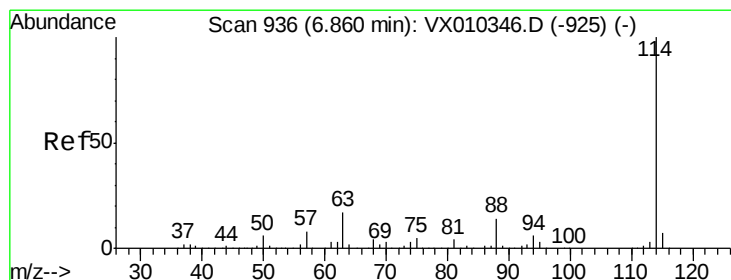
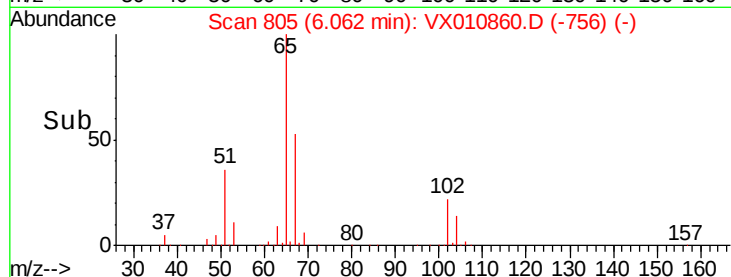
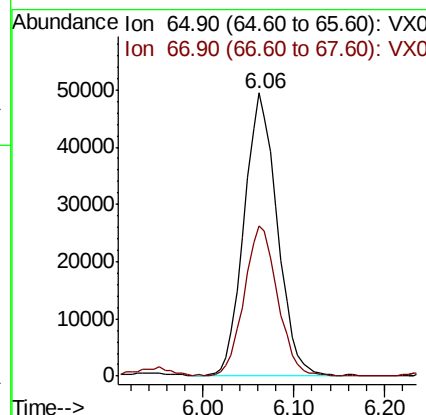
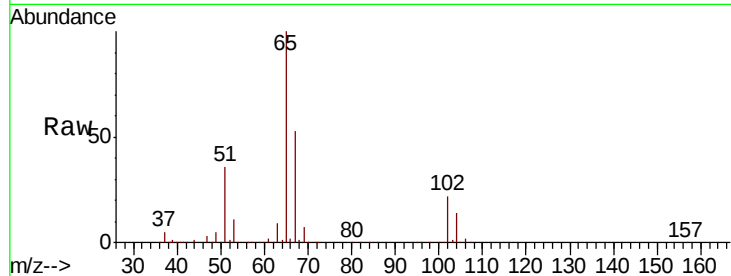




#33
 1,2-Dichloroethane-d4
 Concen: 55.764 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010860.D
 Acq: 13 Jul 2019 00:59

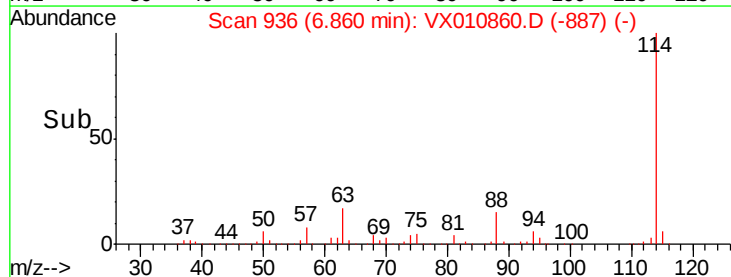
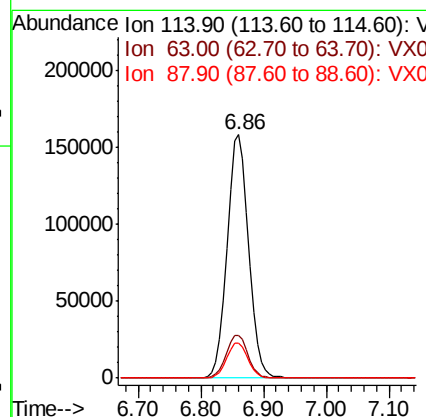
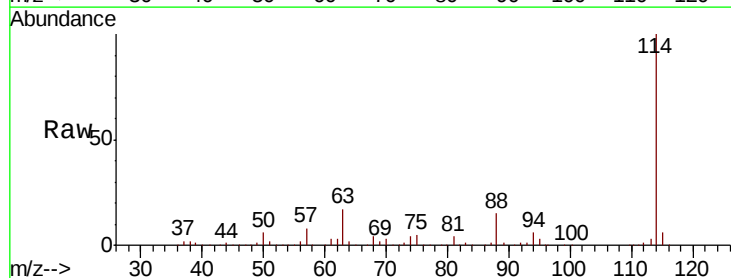
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0593

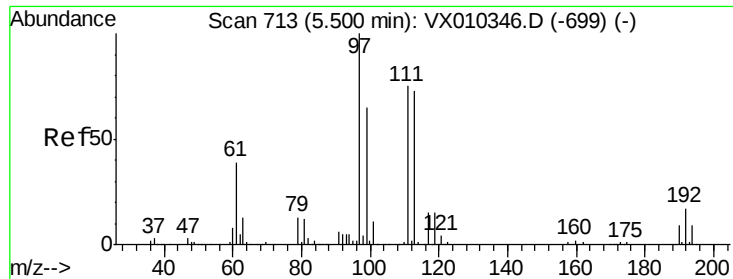
Tot Ion: 65 Resp: 125137
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010860.D
 Acq: 13 Jul 2019 00:59

Tgt Ion: 114 Resp: 374305
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 33.8
 88 14.5 0.0 27.6

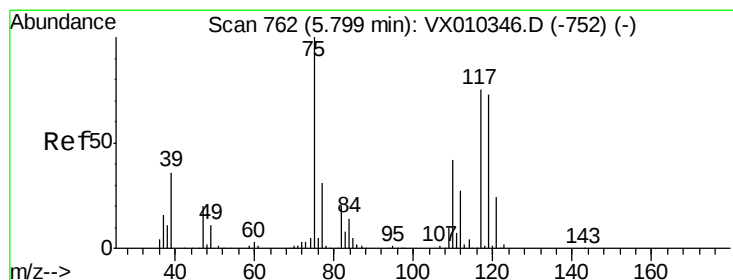
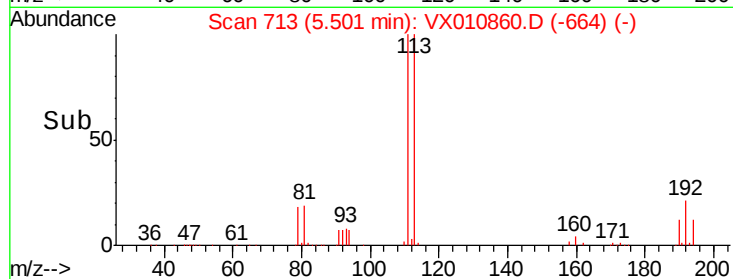
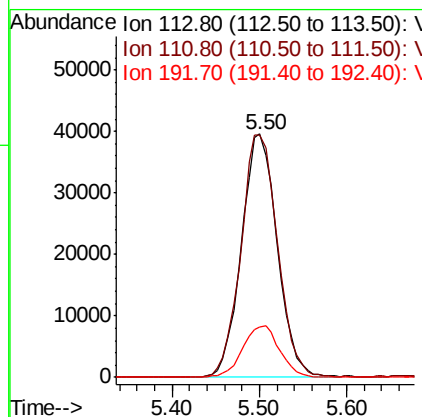
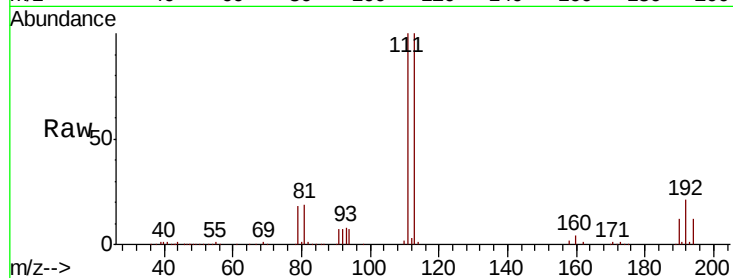




#35
 Dibromofluoromethane
 Concen: 49.237 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010860.D
 Acq: 13 Jul 2019 00:59

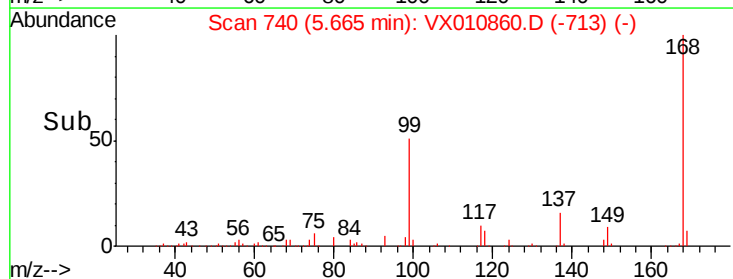
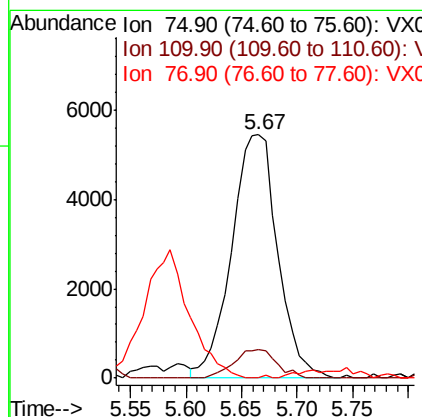
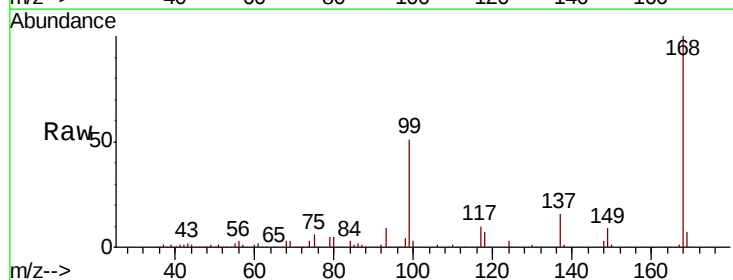
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0593

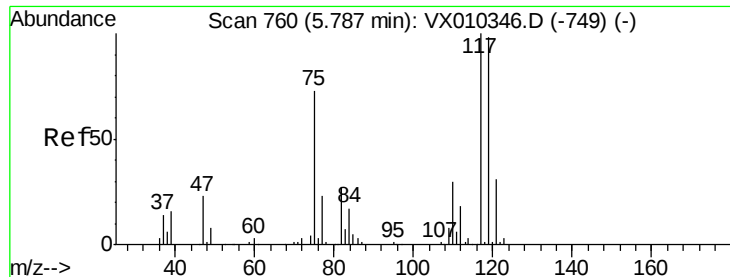
Tot Ion:113 Resp: 112760
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.2 121.8
 192 21.7 18.6 27.8



#36
 1,1-Dichloropropene
 Concen: 5.259 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010860.D
 Acq: 13 Jul 2019 00:59

Tgt Ion: 75 Resp: 15642
 Ion Ratio Lower Upper
 75 100
 110 11.0 20.8 62.2#
 77 0.0 25.4 38.0#





#38

Carbon Tetrachloride

Concen: 6.963 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010860.D

Acq: 13 Jul 2019 00:59

Instrument :

MSVOA_X

ClientSampled :

FL-0593

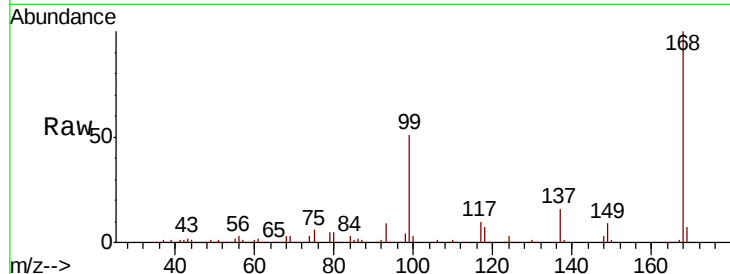
Tot Ion:117 Resp: 22427

Ion Ratio Lower Upper

117 100

119 4.8 78.2 117.4#

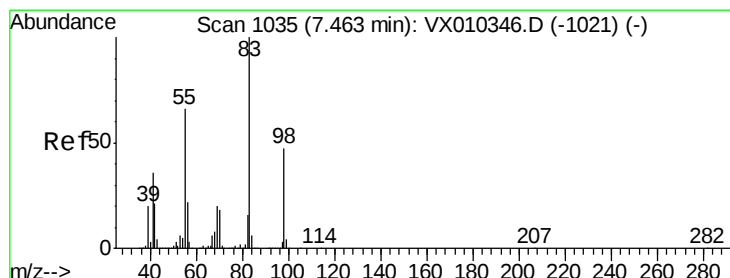
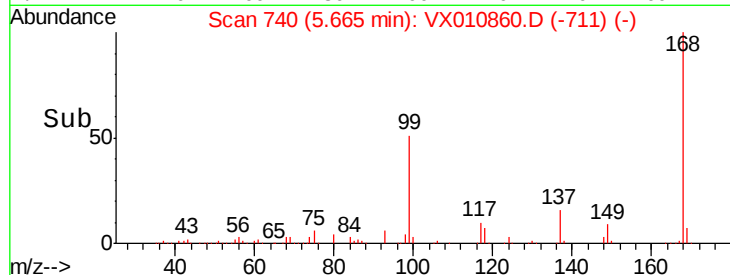
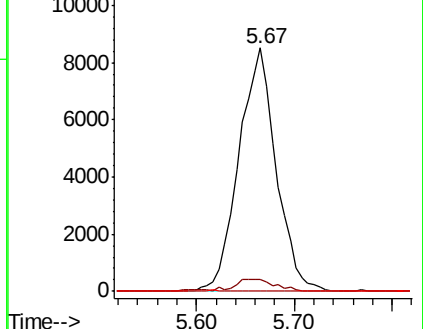
121 0.0 24.7 37.1#



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: 126.161 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX010860.D

Acq: 13 Jul 2019 00:59

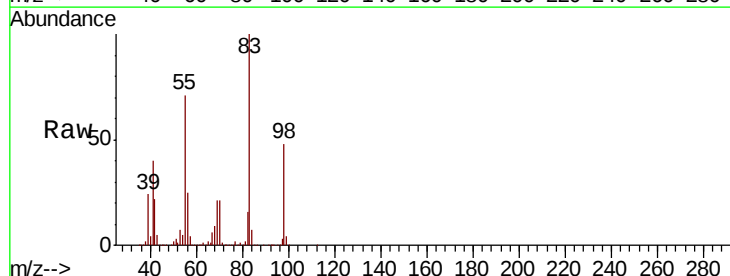
Tgt Ion: 83 Resp: 493265

Ion Ratio Lower Upper

83 100

55 71.2 53.0 79.6

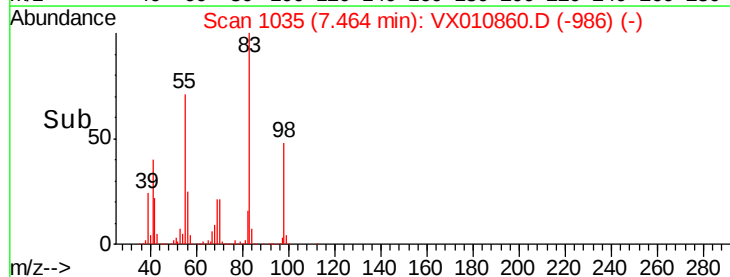
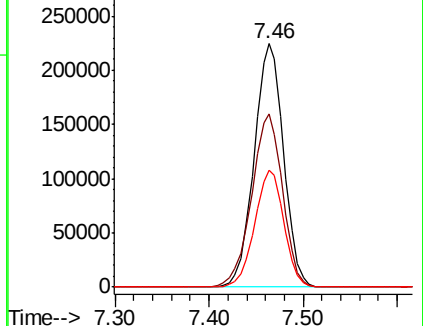
98 48.0 37.8 56.8

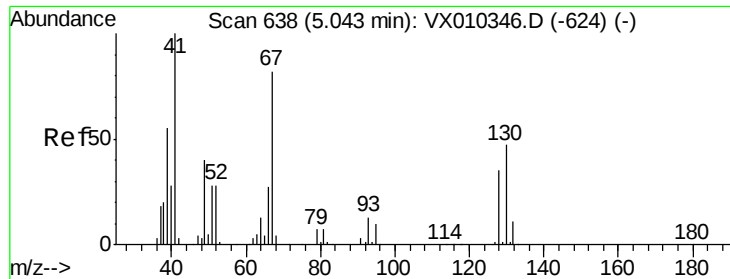


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#41

Methacrylonitrile

Concen: 7.065 ug/l

RT: 5.23 min Scan# 669

Delta R.T. 0.19 min

Lab File: VX010860.D

Acq: 13 Jul 2019 00:59

Instrument :

MSVOA_X

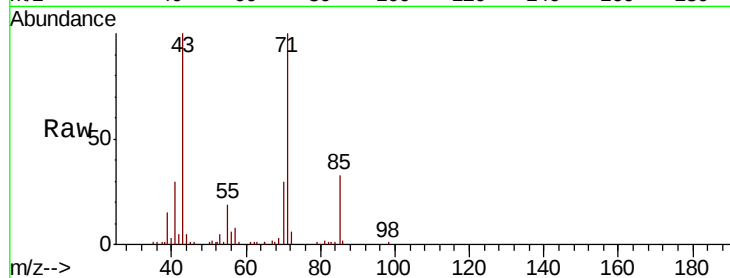
ClientSampled :

FL-0593

Tot Ion: 41 Resp: 11862

Ion Ratio Lower Upper

41	100		
39	50.5	43.8	65.8
67	2.0	66.6	100.0#
52	2.8	24.5	36.7#

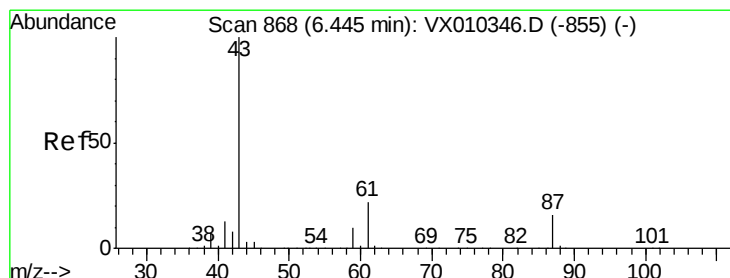
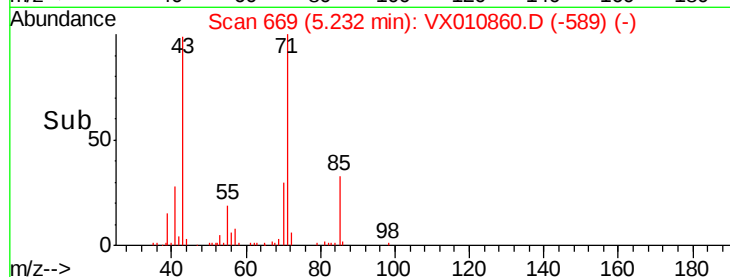
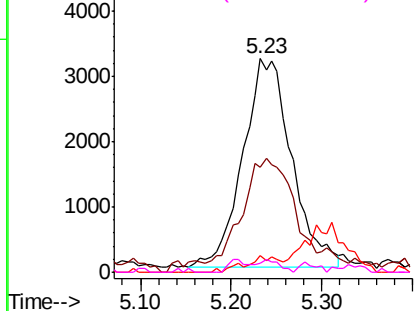


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#43

Isopropyl Acetate

Concen: 1.738 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.01 min

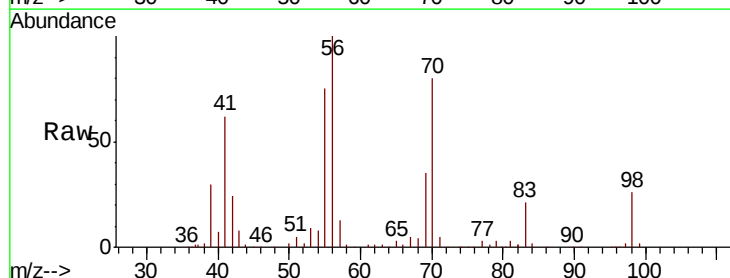
Lab File: VX010860.D

Acq: 13 Jul 2019 00:59

Tgt Ion: 43 Resp: 8799

Ion Ratio Lower Upper

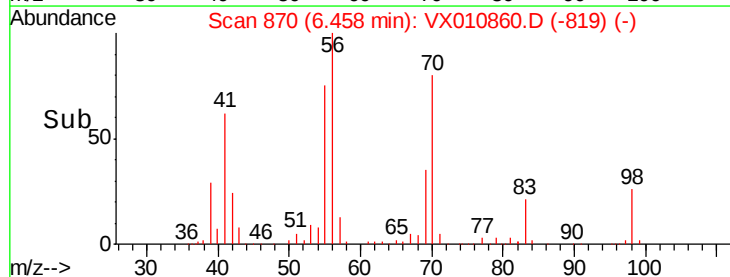
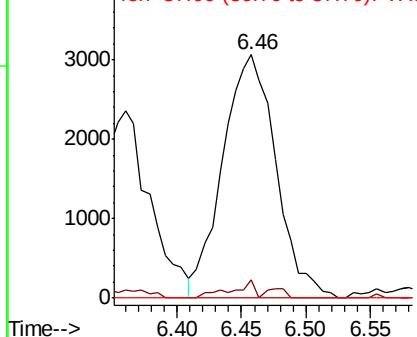
43	100		
61	3.1	17.8	26.6#
87	0.0	13.0	19.4#

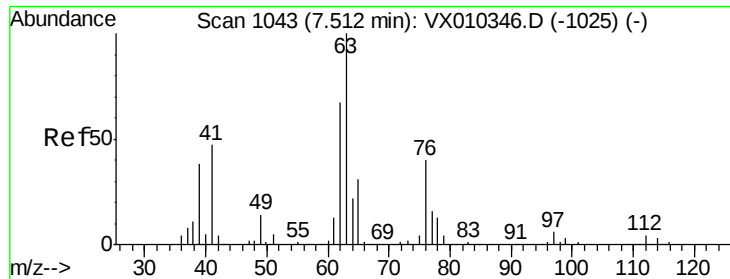


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#45

1,2-Dichloropropane

Concen: 2.116 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.05 min

Lab File: VX010860.D

Acq: 13 Jul 2019 00:59

Instrument :

MSVOA_X

ClientSampled :

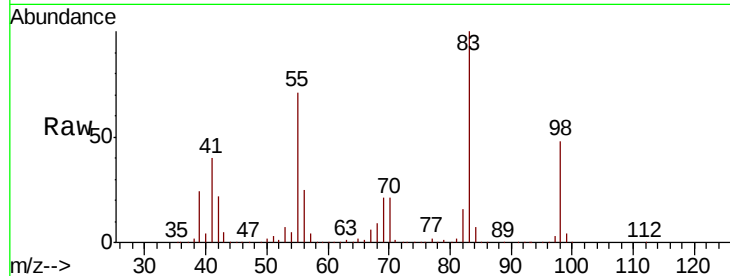
FL-0593

Tot Ion: 63 Resp: 4952

Ion Ratio Lower Upper

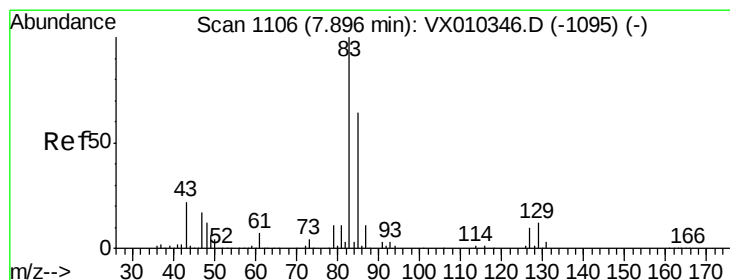
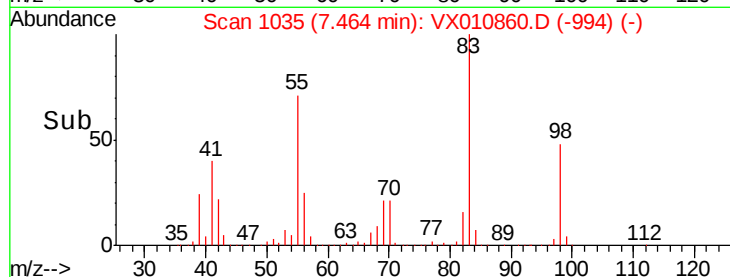
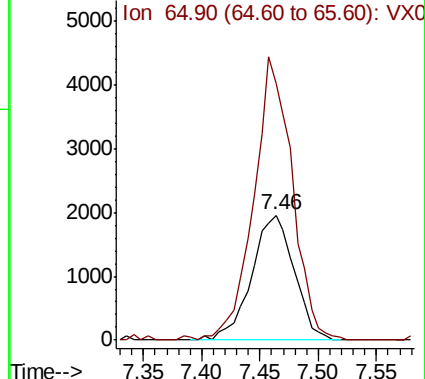
63 100

65 202.5 24.8 37.2#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#47

Bromodichloromethane

Concen: 0.428 ug/l

RT: 7.85 min Scan# 1099

Delta R.T. -0.04 min

Lab File: VX010860.D

Acq: 13 Jul 2019 00:59

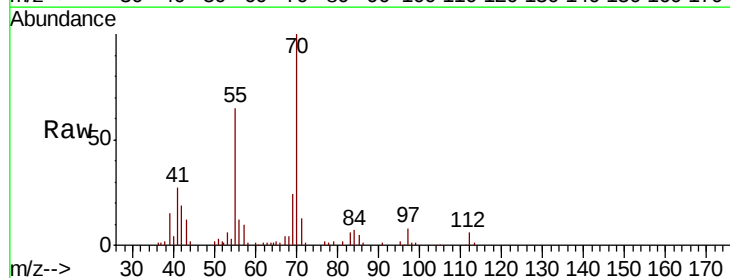
Tgt Ion: 83 Resp: 1318

Ion Ratio Lower Upper

83 100

85 88.7 51.5 77.3#

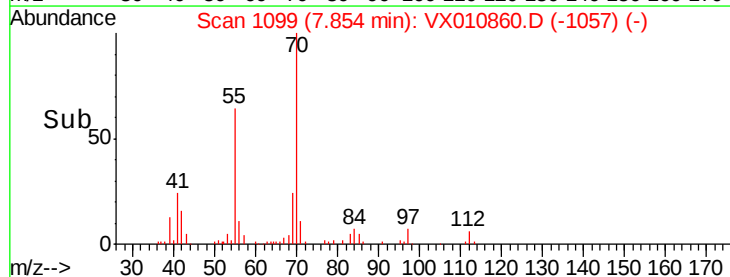
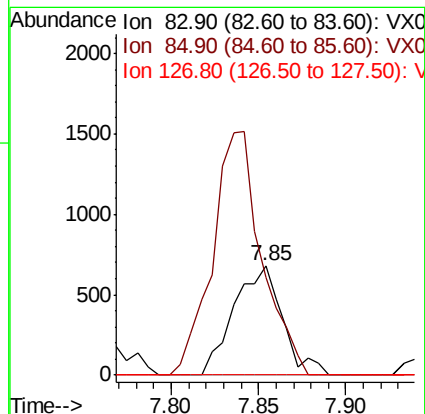
127 0.0 7.8 11.8#

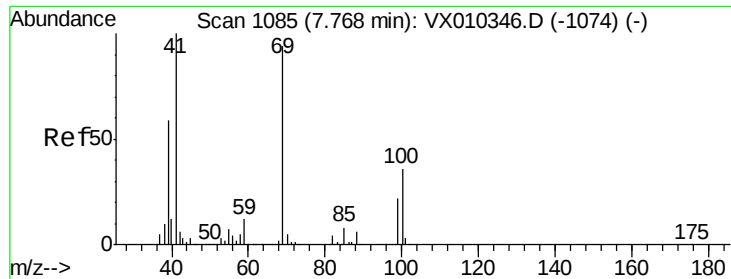


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V

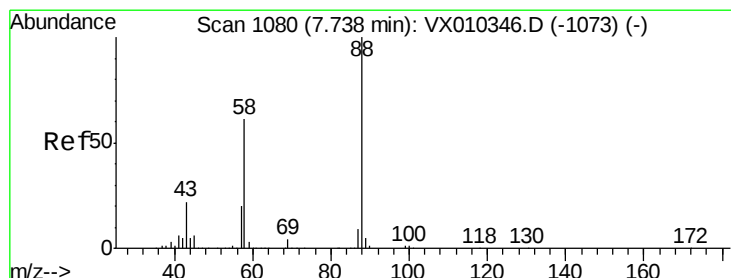
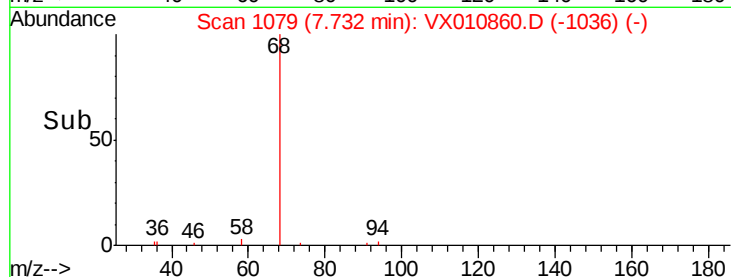
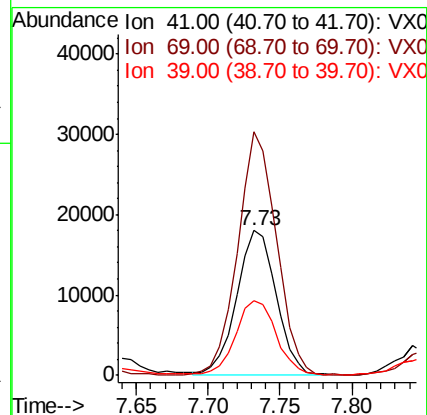
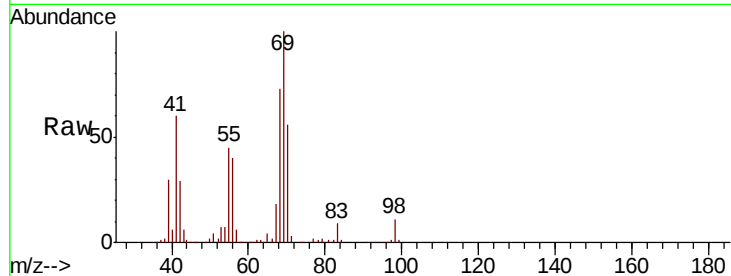




#48
Methvl methacrylate
Concen: 14.458 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.04 min
Lab File: VX010860.D
Acq: 13 Jul 2019 00:59

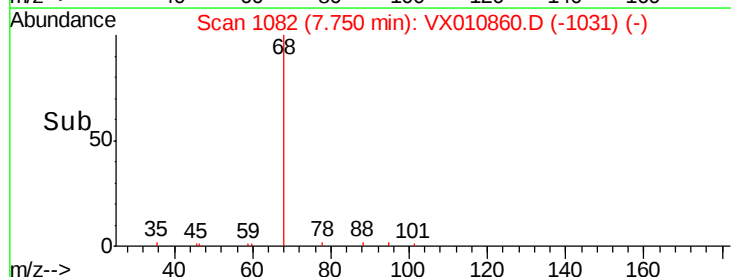
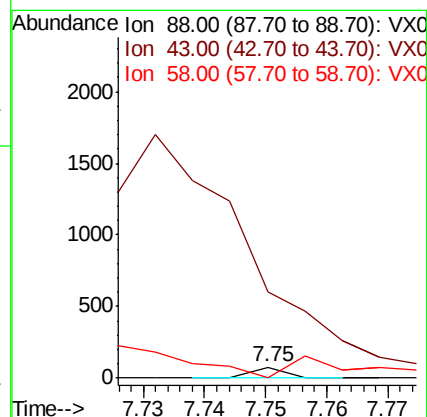
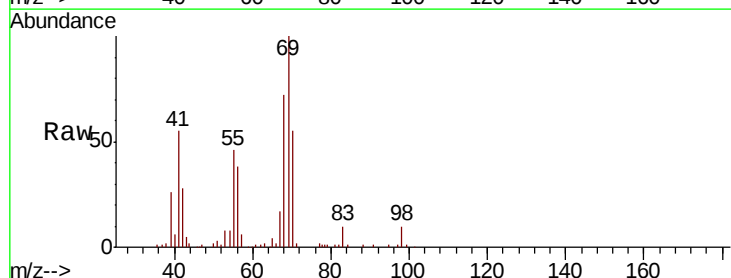
Instrument :
MSVOA_X
ClientSampled :
FL-0593

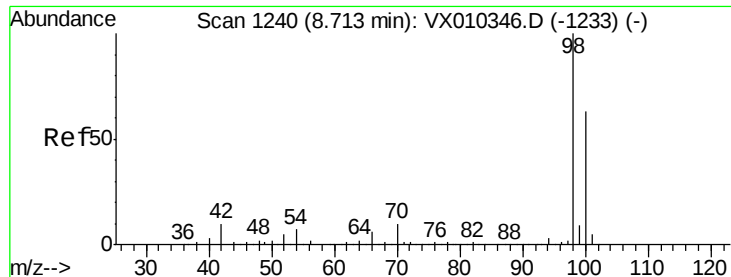
Tot Ion: 41 Resp: 34022
Ion Ratio Lower Upper
41 100
69 166.7 76.1 114.1#
39 52.5 47.6 71.4



#49
1,4-Dioxane
Concen: 0.413 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.01 min
Lab File: VX010860.D
Acq: 13 Jul 2019 00:59

Tgt Ion: 88 Resp: 28
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.2#
58 439.3 49.5 74.3#





#50

Toluene-d8

Concen: 52.042 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010860.D

Acq: 13 Jul 2019 00:59

Instrument :

MSVOA_X

ClientSampleId :

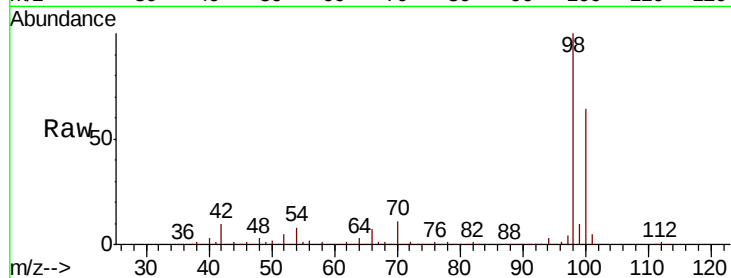
FL-0593

Tot Ion: 98 Resp: 455973

Ion Ratio Lower Upper

98 100

100 63.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

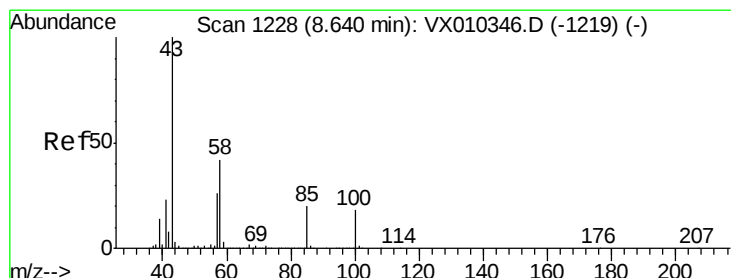
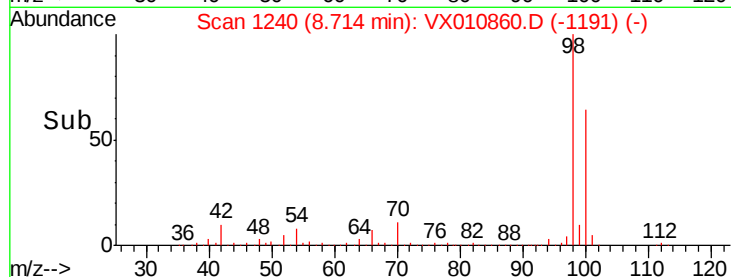
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.286 ug/l

RT: 8.66 min Scan# 1232

Delta R.T. 0.02 min

Lab File: VX010860.D

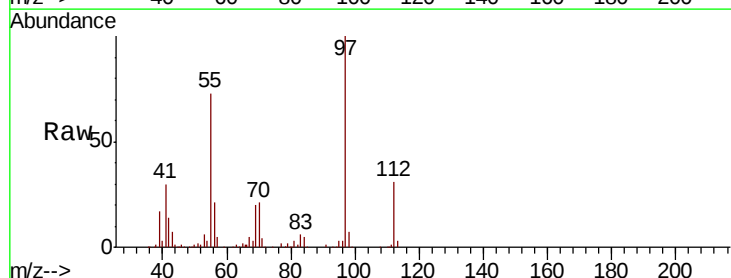
Acq: 13 Jul 2019 00:59

Tgt Ion: 43 Resp: 4164

Ion Ratio Lower Upper

43 100

58 0.0 33.5 50.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.66

2500

2000

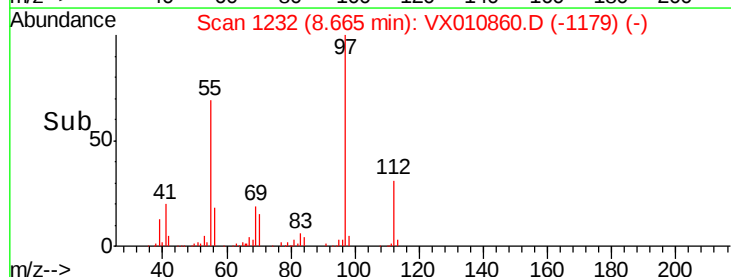
1500

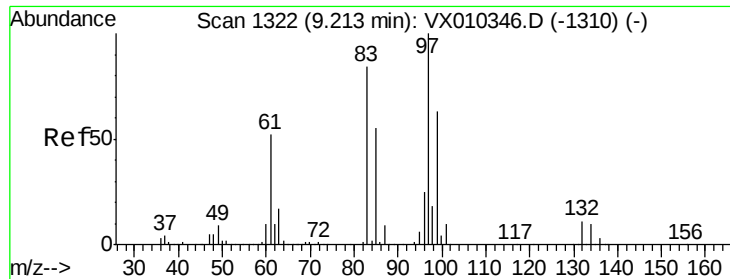
1000

500

0

Time-->

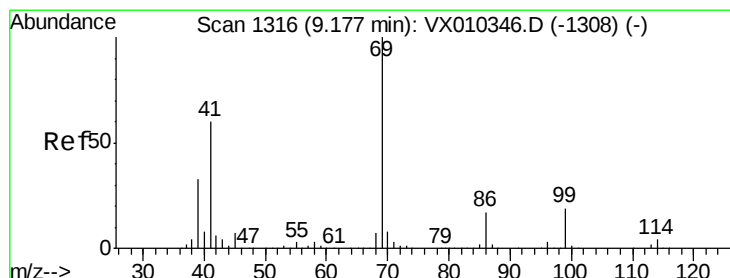
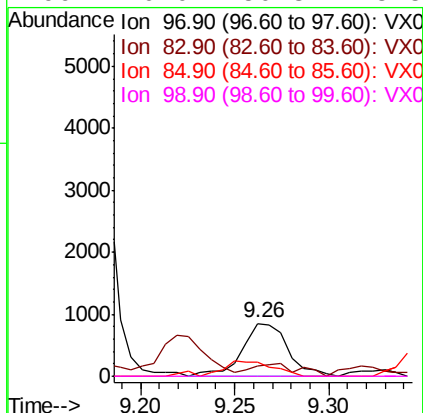
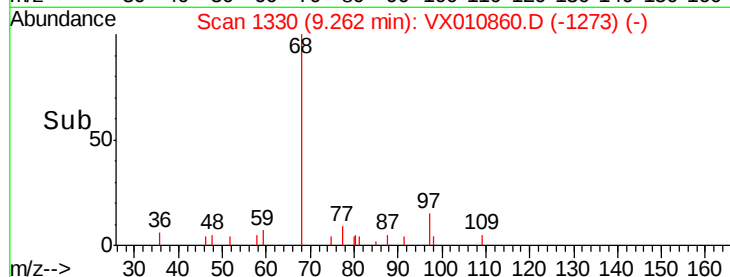
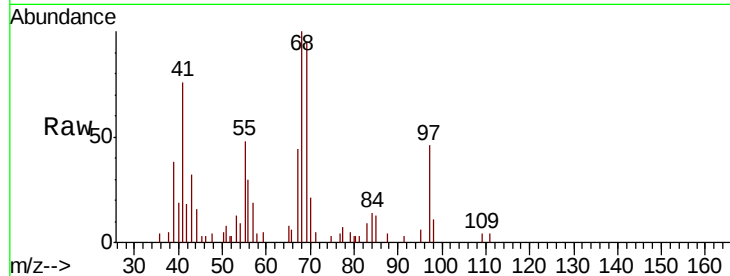




#55
 1,1,2-Trichloroethane
 Concen: 0.572 ug/l
 RT: 9.26 min Scan# 1330
 Delta R.T. 0.05 min
 Lab File: VX010860.D
 Acq: 13 Jul 2019 00:59

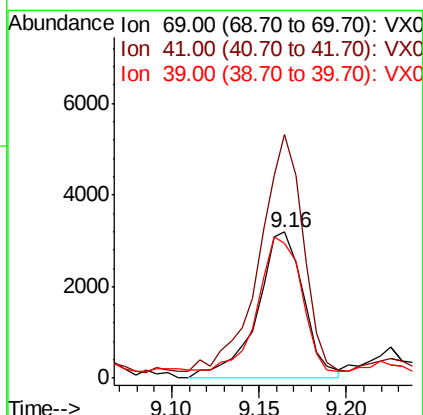
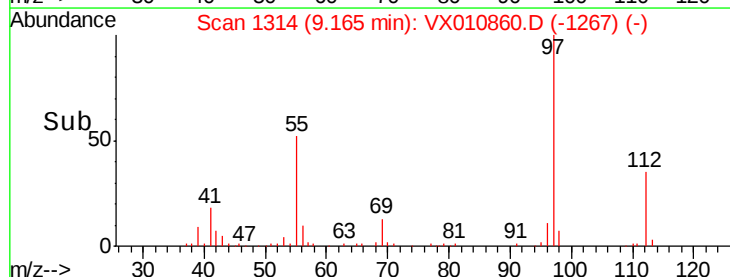
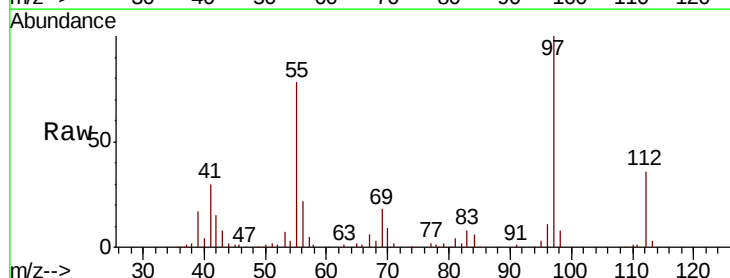
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0593

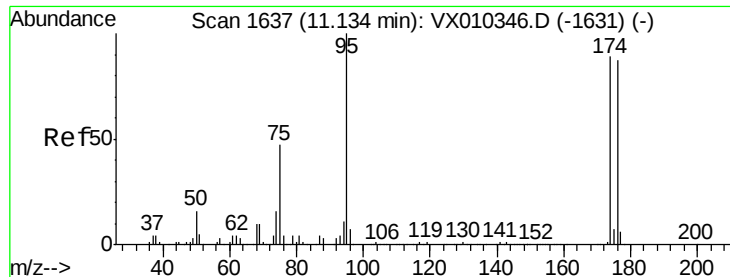
Tot Ion: 97 Resp: 1439
 Ion Ratio Lower Upper
 97 100
 83 7.3 67.4 101.0#
 85 28.1 43.8 65.8#
 99 0.0 50.3 75.5#



#56
 Ethyl methacrylate
 Concen: 1.556 ug/l
 RT: 9.16 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VX010860.D
 Acq: 13 Jul 2019 00:59

Tgt Ion: 69 Resp: 5932
 Ion Ratio Lower Upper
 69 100
 41 151.2 47.1 70.7#
 39 86.1 26.6 40.0#

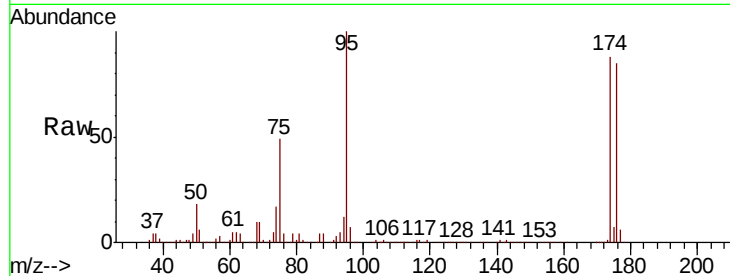




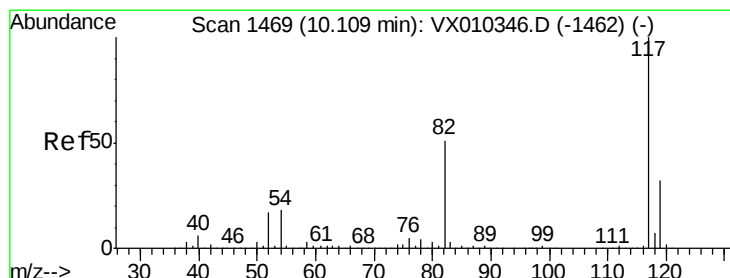
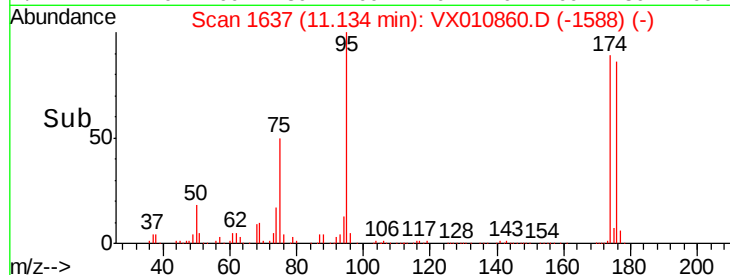
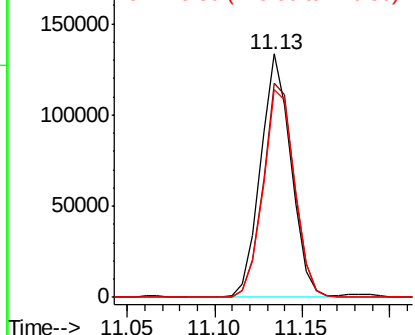
#62
4-Bromofluorobenzene
Concen: 51.122 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010860.D
Acq: 13 Jul 2019 00:59

Instrument :
MSVOA_X
ClientSampleId :
FL-0593

Tot Ion: 95 Resp: 161707
Ion Ratio Lower Upper
95 100
174 90.3 0.0 187.6
176 88.6 0.0 184.0

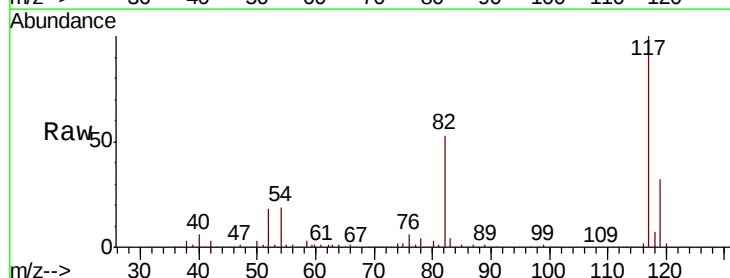


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

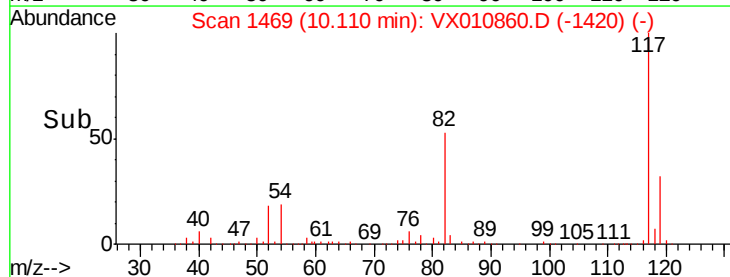
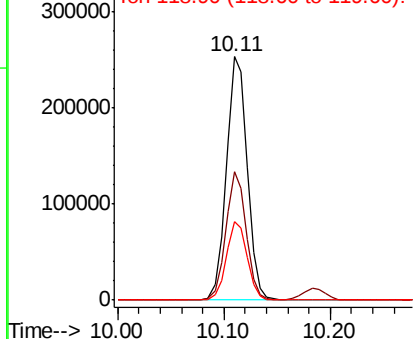


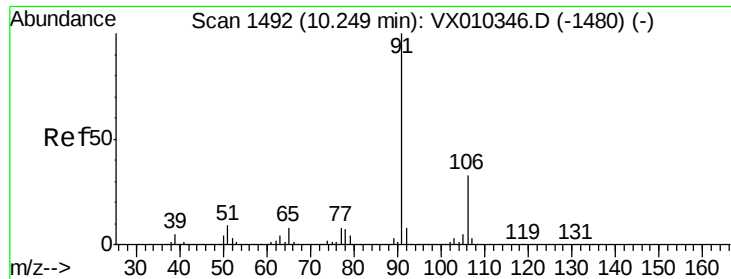
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010860.D
Acq: 13 Jul 2019 00:59

Tgt Ion: 117 Resp: 346718
Ion Ratio Lower Upper
117 100
82 52.4 41.2 61.8
119 32.0 25.5 38.3



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

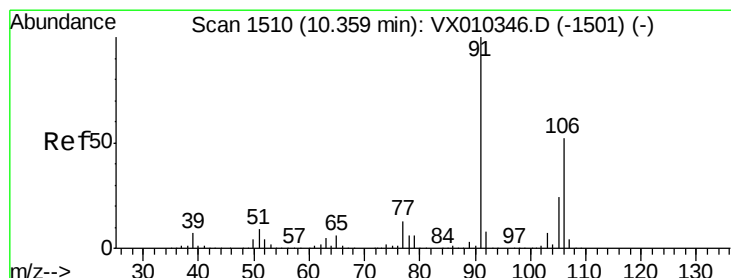
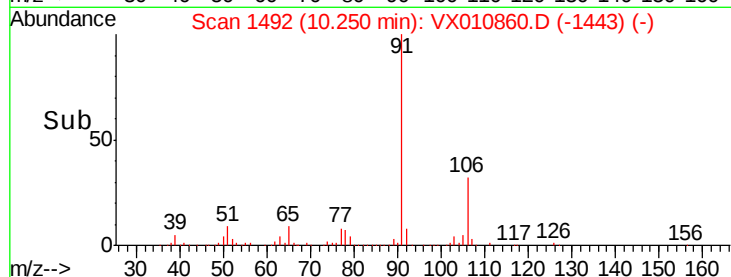
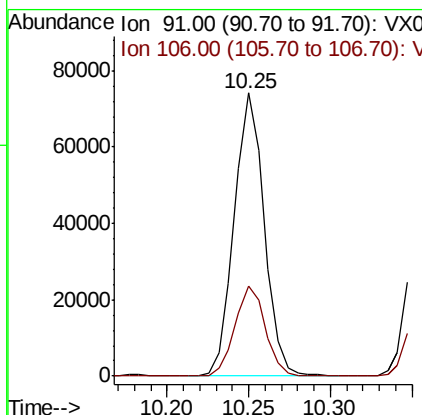
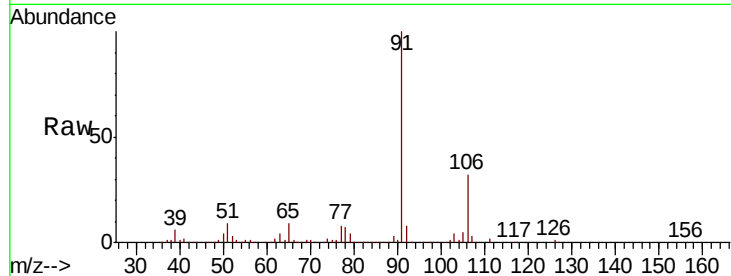




#67
Ethyl Benzene
Concen: 8.014 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010860.D
Acq: 13 Jul 2019 00:59

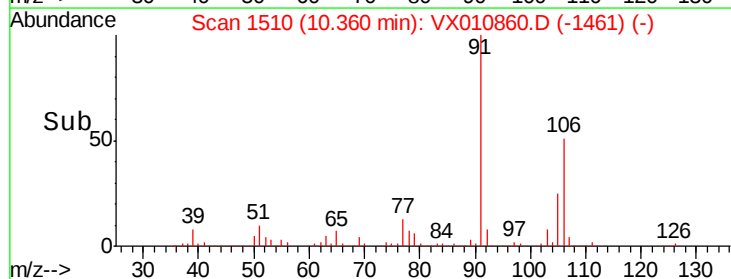
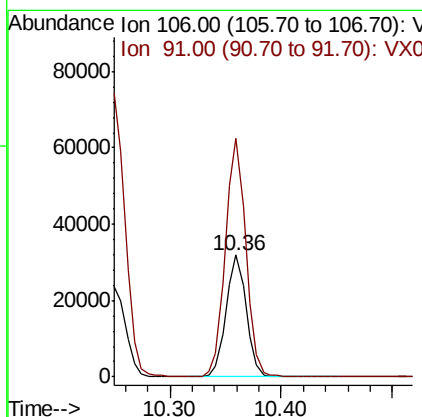
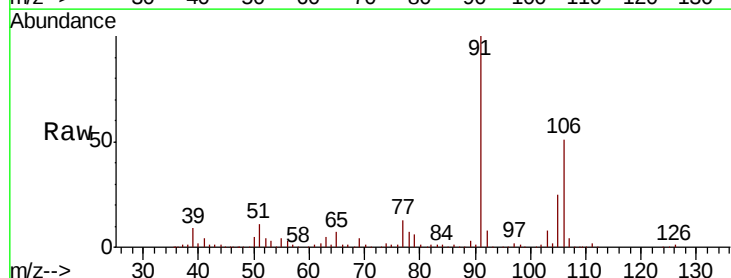
Instrument :
MSVOA_X
ClientSampleId :
FL-0593

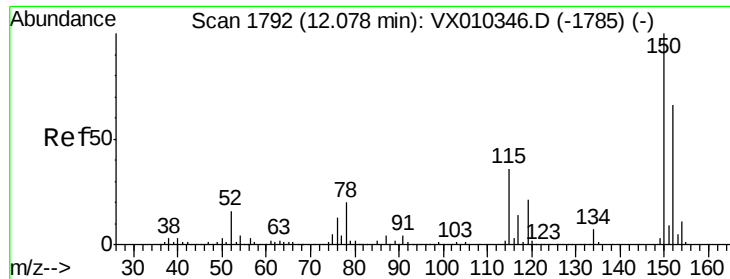
Tot Ion: 91 Resp: 95235
Ion Ratio Lower Upper
91 100
106 32.0 26.2 39.2



#68
m/p-Xylenes
Concen: 8.763 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010860.D
Acq: 13 Jul 2019 00:59

Tgt Ion: 106 Resp: 40348
Ion Ratio Lower Upper
106 100
91 199.3 155.3 232.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010860.D

Acq: 13 Jul 2019 00:59

Instrument :

MSVOA_X

ClientSampleId :

FL-0593

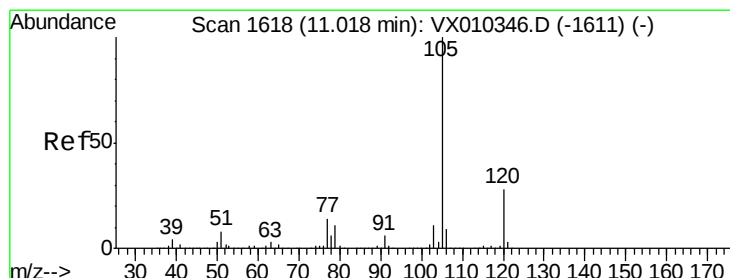
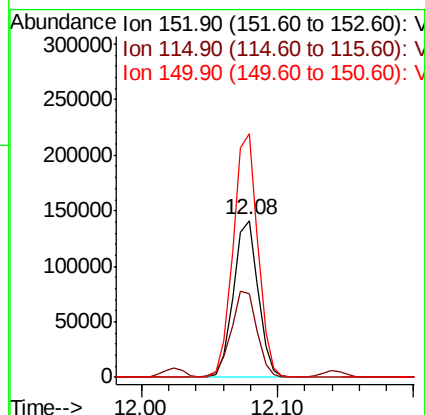
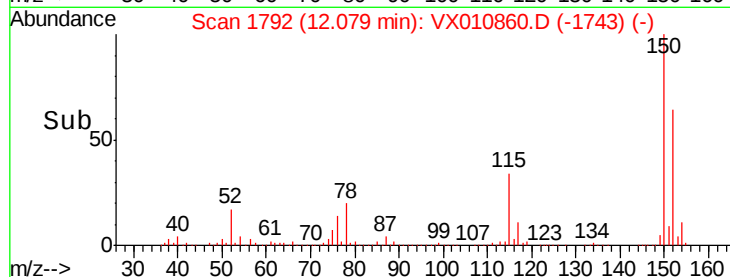
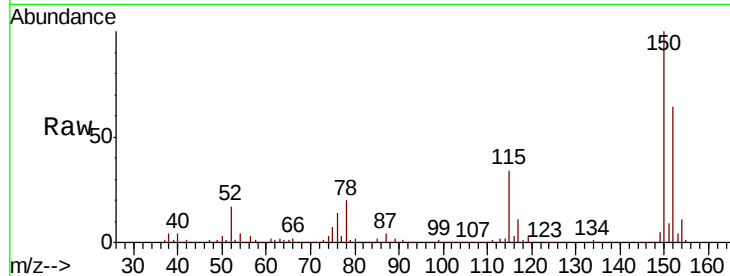
Tot Ion:152 Resp: 178064

Ion Ratio Lower Upper

152 100

115 57.9 38.6 115.7

150 155.2 0.0 347.4



#73

Isopropylbenzene

Concen: 5.344 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010860.D

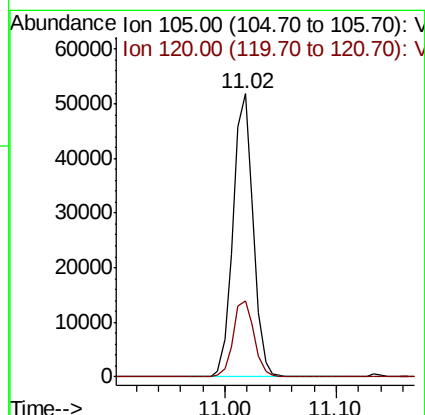
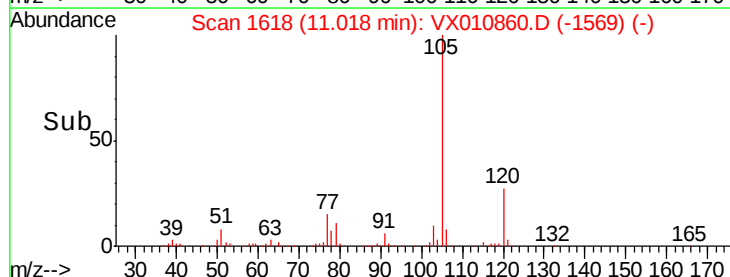
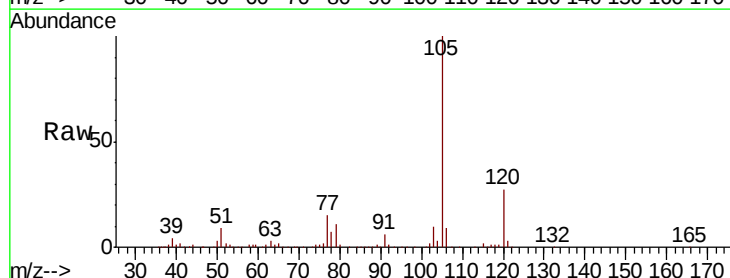
Acq: 13 Jul 2019 00:59

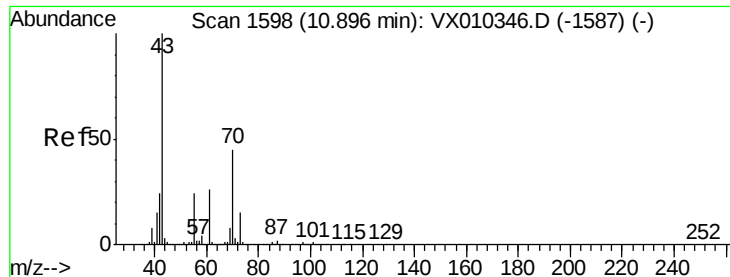
Tgt Ion:105 Resp: 64507

Ion Ratio Lower Upper

105 100

120 28.0 14.1 42.4





#74

N-amvl acetate

Concen: 0.223 ug/l

RT: 10.92 min Scan# 1602

Delta R.T. 0.02 min

Lab File: VX010860.D

Acq: 13 Jul 2019 00:59

Instrument :

MSVOA_X

ClientSampleId :

FL-0593

Tot Ion: 43 Resp: 1015

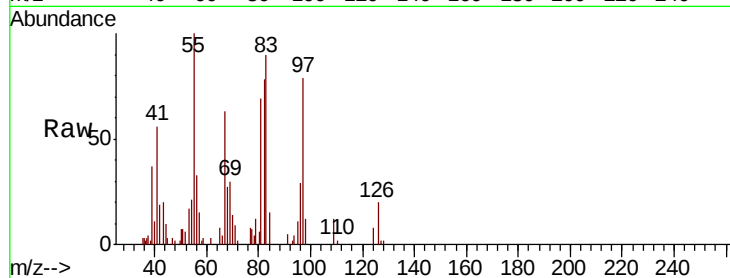
Ion Ratio Lower Upper

43 100

70 56.5 36.6 54.8#

55 678.2 18.7 28.1#

61 0.0 20.6 31.0#

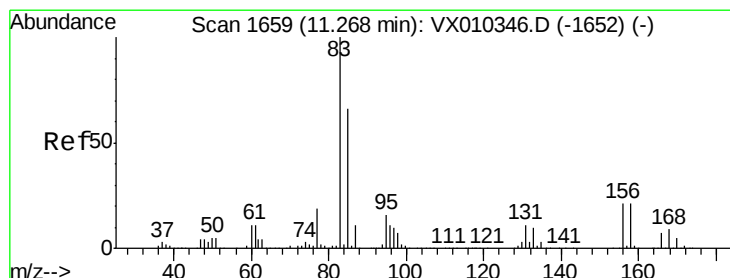
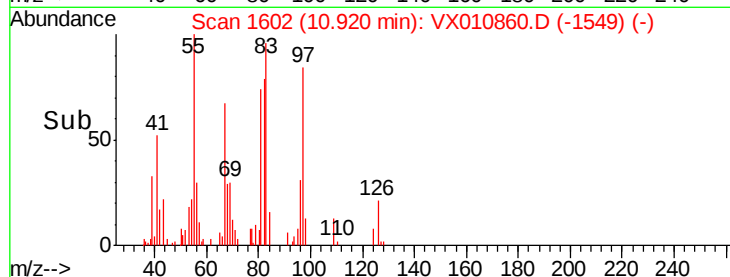
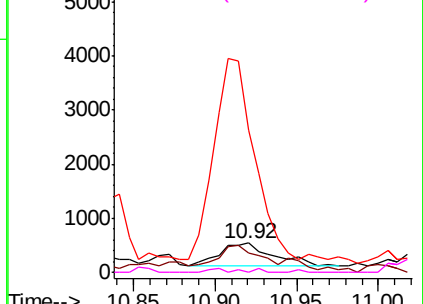


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 0.336 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX010860.D

Acq: 13 Jul 2019 00:59

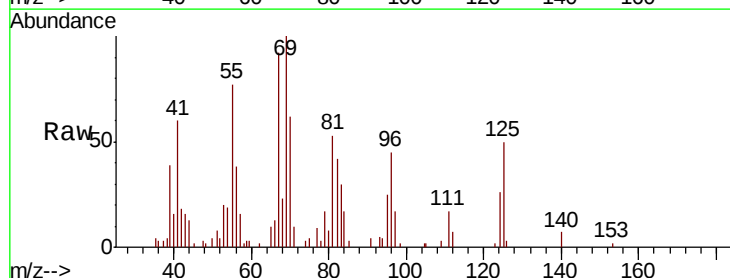
Tgt Ion: 83 Resp: 1344

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

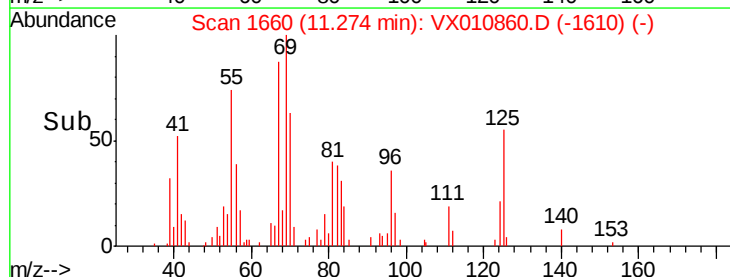
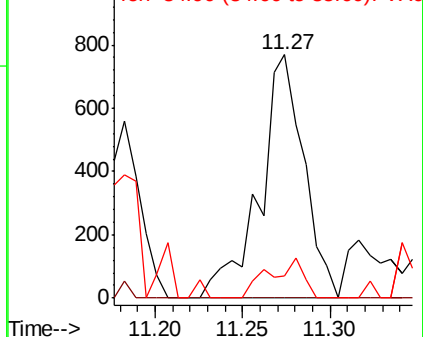
85 12.6 32.3 96.8#

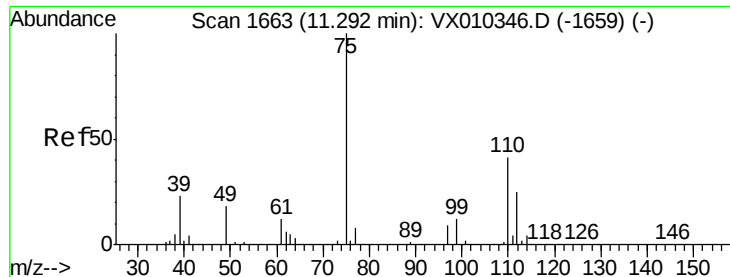


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 1.527 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.14 min

Lab File: VX010860.D

Acq: 13 Jul 2019 00:59

Instrument :

MSVOA_X

ClientSampled :

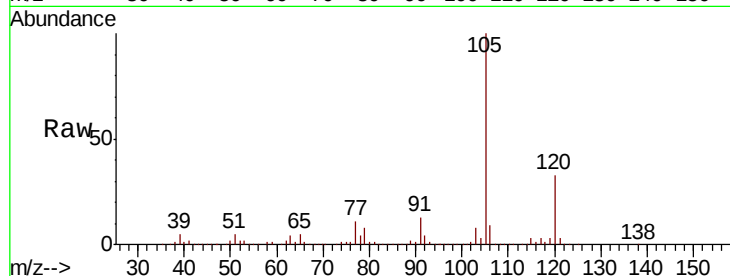
FL-0593

Tot Ion: 75 Resp: 4955

Ion Ratio Lower Upper

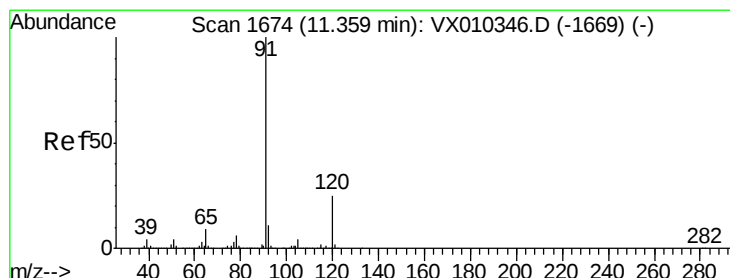
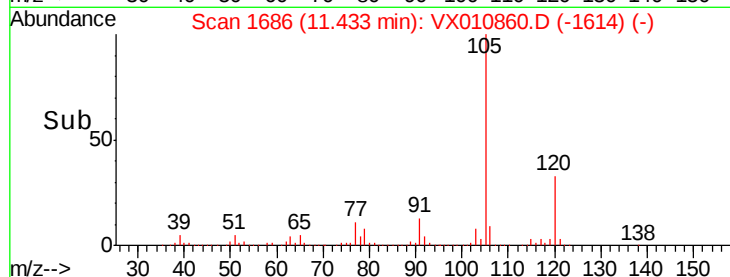
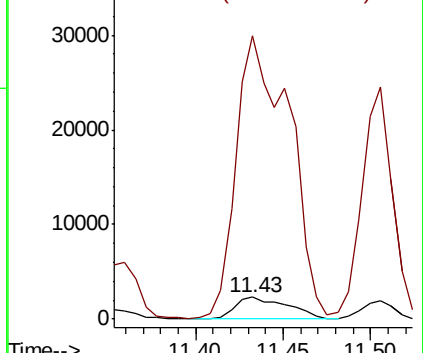
75 100

77 1273.0 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#78

n-propylbenzene

Concen: 15.222 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010860.D

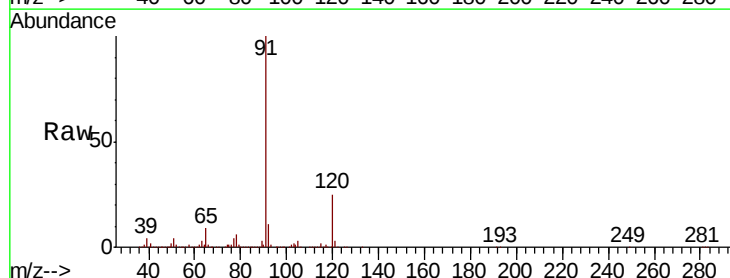
Acq: 13 Jul 2019 00:59

Tgt Ion: 91 Resp: 201932

Ion Ratio Lower Upper

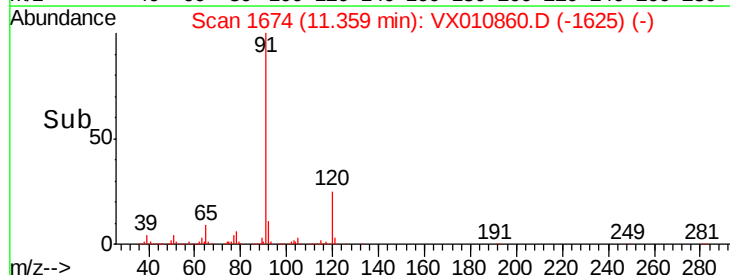
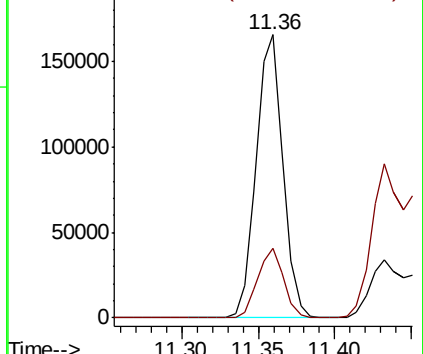
91 100

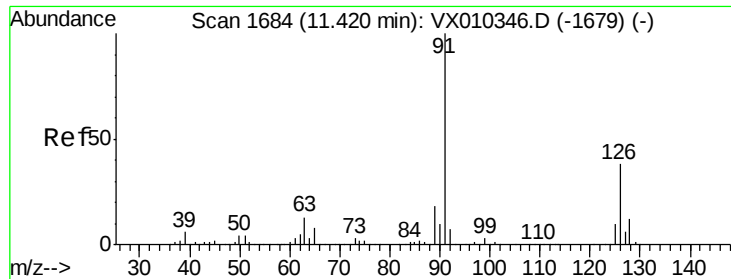
120 24.0 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 8.564 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX010860.D

Acq: 13 Jul 2019 00:59

Instrument :

MSVOA_X

ClientSampled :

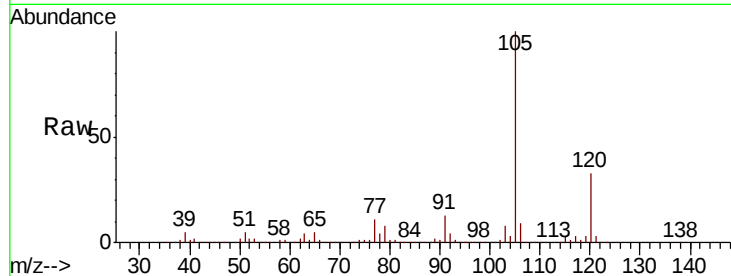
FL-0593

Tot Ion: 91 Resp: 67652

Ion Ratio Lower Upper

91 100

126 0.0 18.7 56.1#



Abundance Ion 91.00 (90.70 to 91.70): VX010346.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX010346.D (-1679) (-)

100000

80000

60000

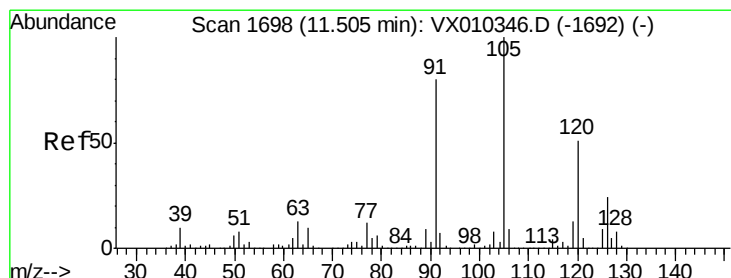
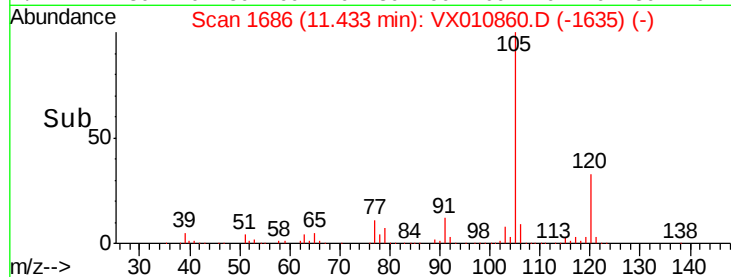
40000

20000

0

11.40 11.43 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 24.209 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010860.D

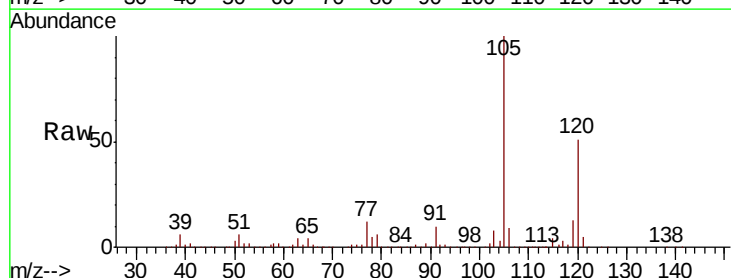
Acq: 13 Jul 2019 00:59

Tgt Ion:105 Resp: 240900

Ion Ratio Lower Upper

105 100

120 50.8 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VX010346.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX010346.D (-1692) (-)

250000

200000

150000

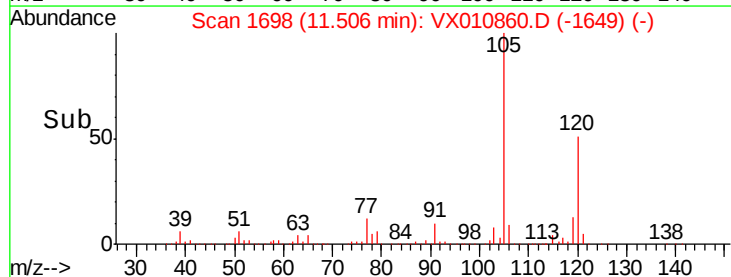
100000

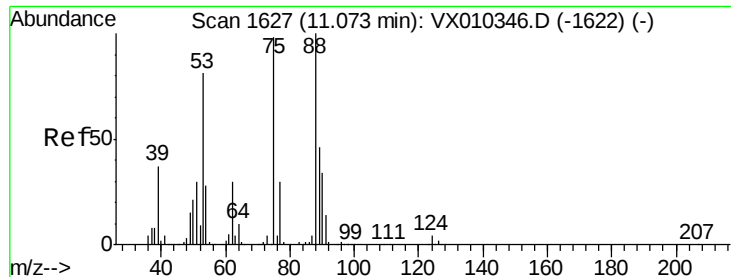
50000

0

11.45 11.50 11.55

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 57.408 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010860.D

Acq: 13 Jul 2019 00:59

Instrument :

MSVOA_X

ClientSampled :

FL-0593

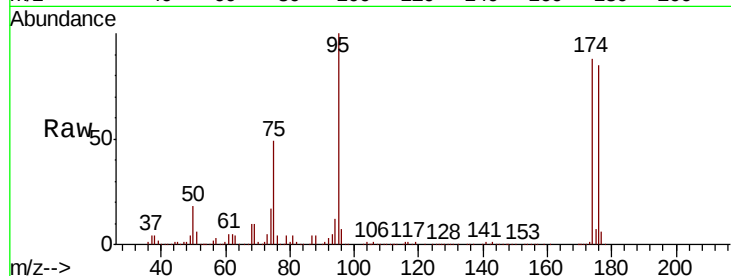
Tot Ion: 75 Resp: 79848

Ion Ratio Lower Upper

75 100

53 0.0 66.1 99.1#

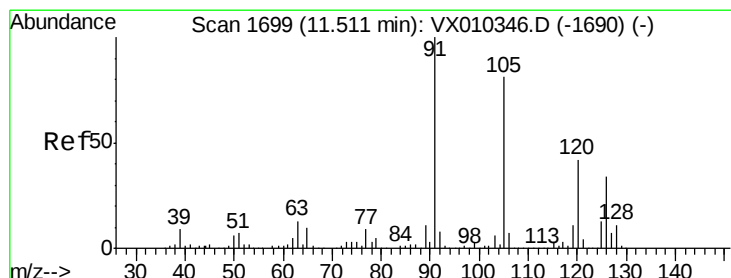
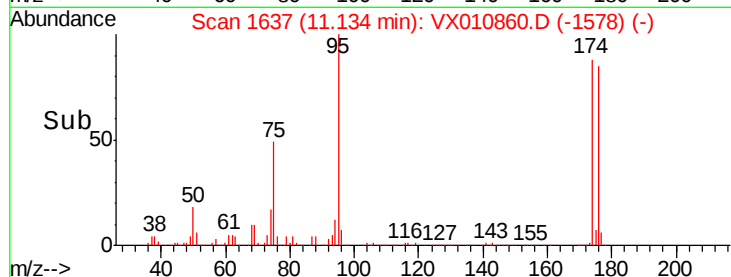
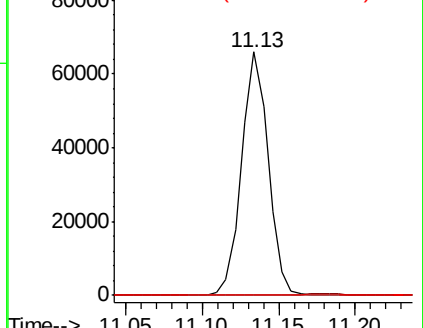
89 0.0 37.8 56.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 2.791 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX010860.D

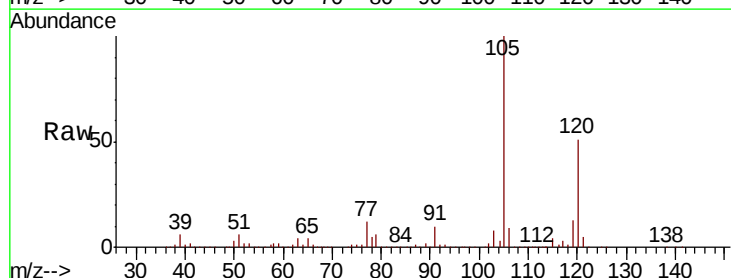
Acq: 13 Jul 2019 00:59

Tgt Ion: 91 Resp: 25086

Ion Ratio Lower Upper

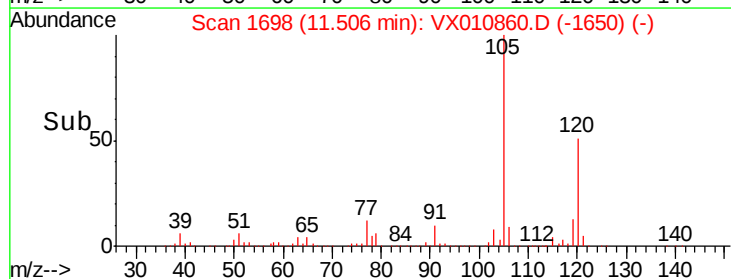
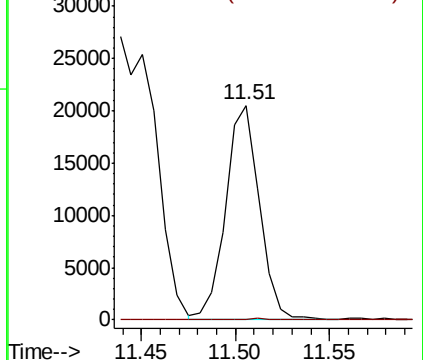
91 100

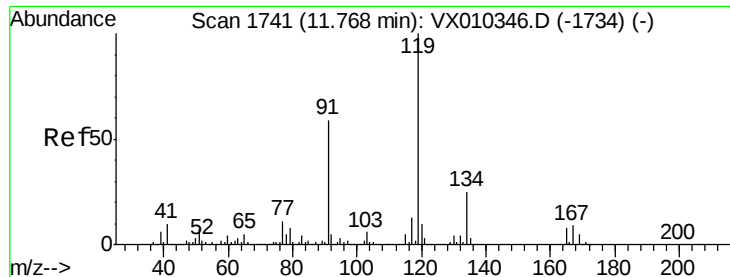
126 0.4 16.2 48.6#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 0.464 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010860.D

Acq: 13 Jul 2019 00:59

Instrument :

MSVOA_X

ClientSampled :

FL-0593

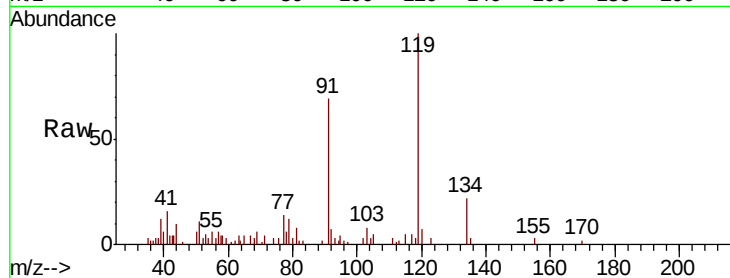
Tot Ion:119 Resp: 4630

Ion Ratio Lower Upper

119 100

91 72.7 27.6 82.7

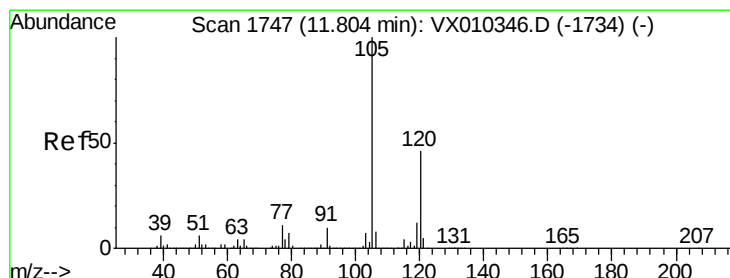
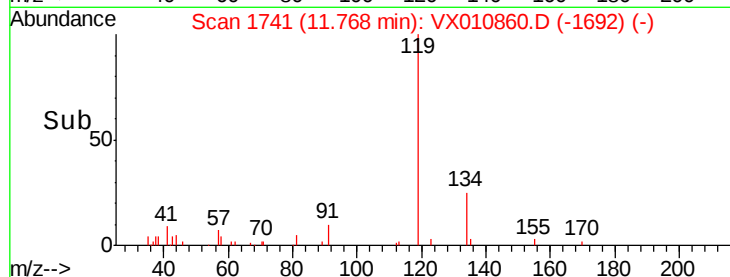
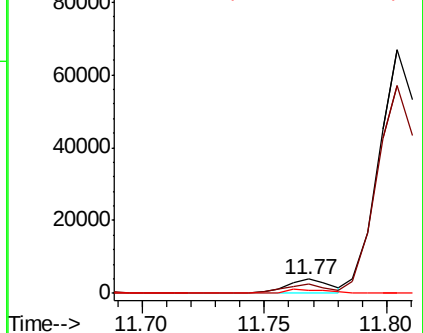
134 27.5 11.8 35.4



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: 64.520 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010860.D

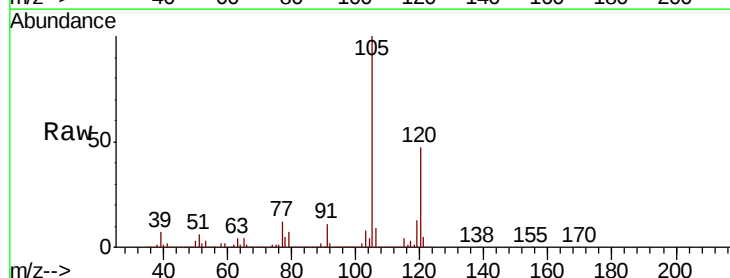
Acq: 13 Jul 2019 00:59

Tgt Ion:105 Resp: 645029

Ion Ratio Lower Upper

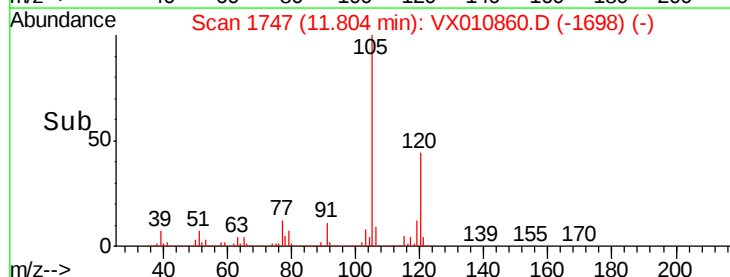
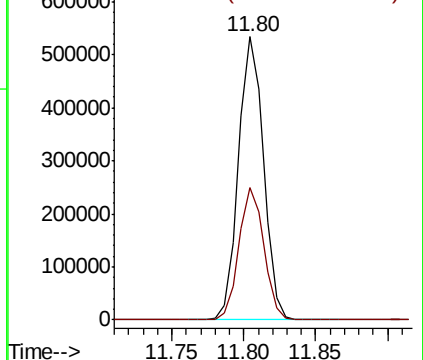
105 100

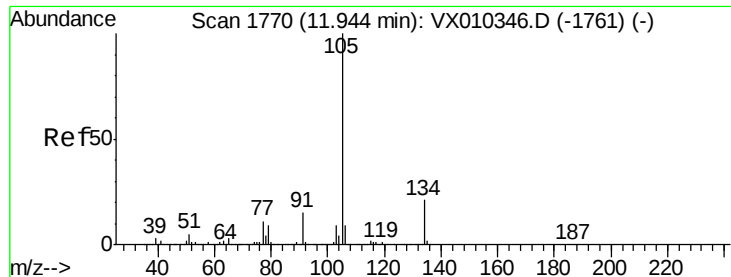
120 46.7 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 10.066 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010860.D

Acq: 13 Jul 2019 00:59

Instrument :

MSVOA_X

ClientSampled :

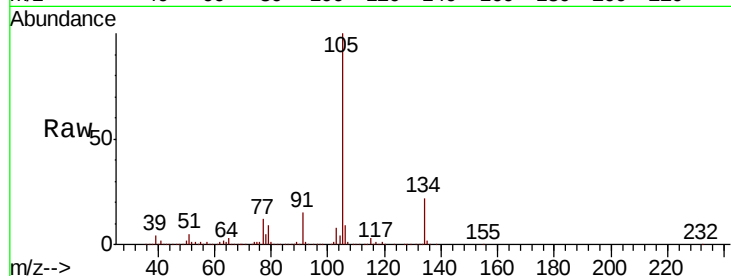
FL-0593

Tot Ion:105 Resp: 118043

Ion Ratio Lower Upper

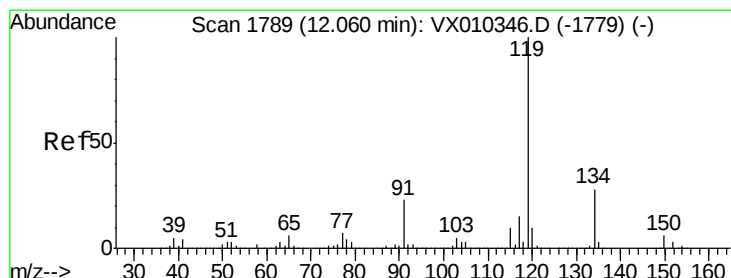
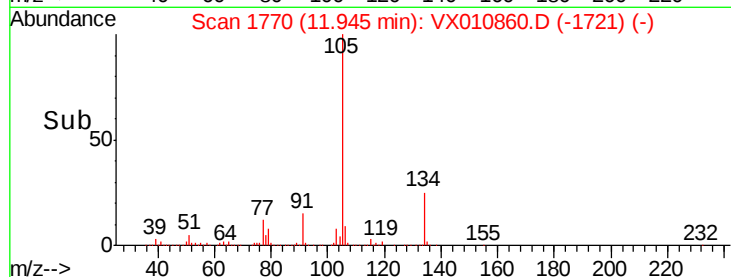
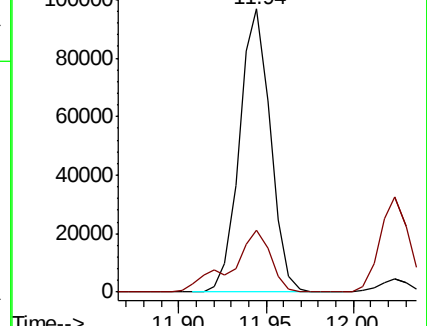
105 100

134 28.1 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 6.640 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010860.D

Acq: 13 Jul 2019 00:59

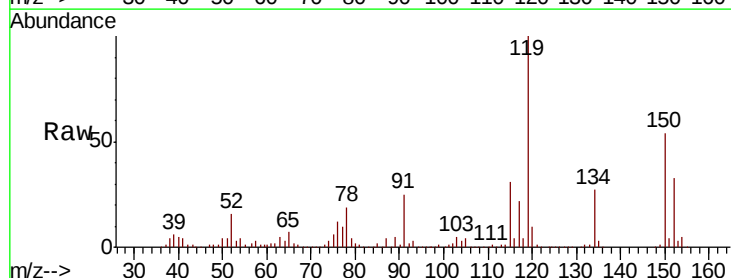
Tgt Ion:119 Resp: 72022

Ion Ratio Lower Upper

119 100

134 27.1 13.7 41.1

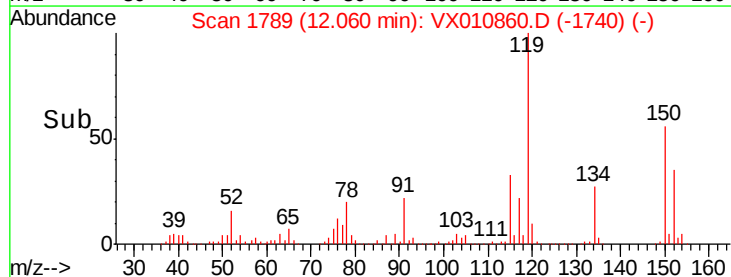
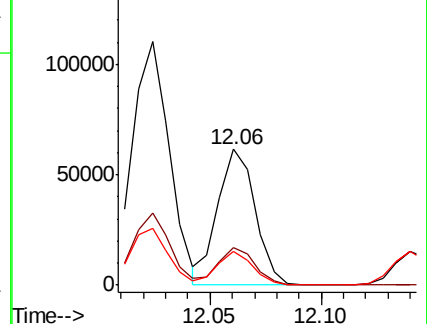
91 23.6 11.3 33.8

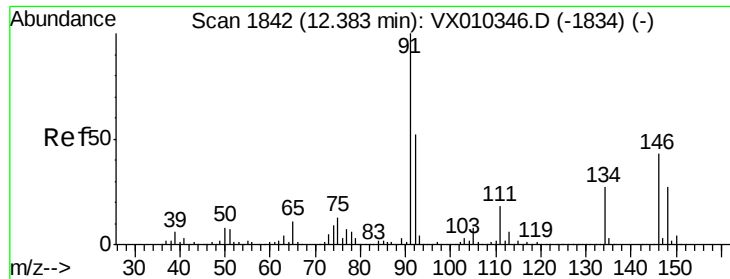


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

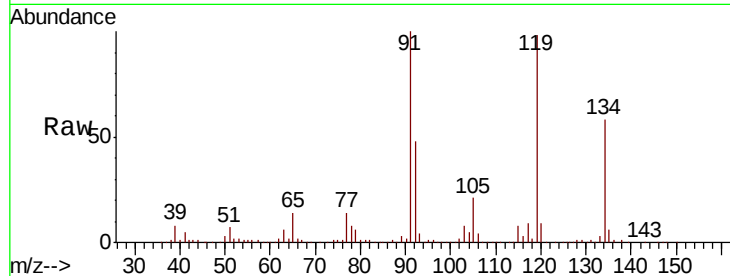




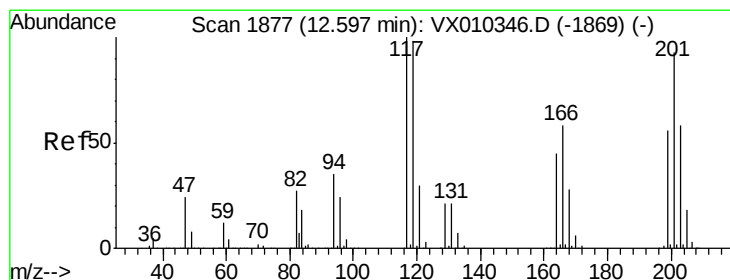
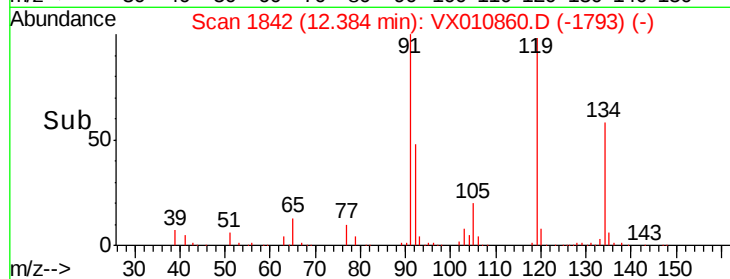
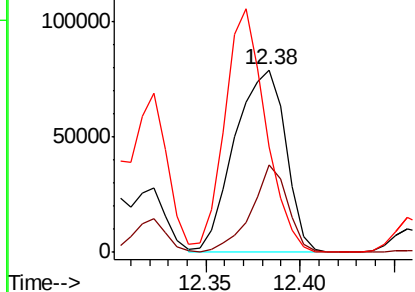
#89
n-Butylbenzene
Concen: 16.096 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010860.D
Acq: 13 Jul 2019 00:59

Instrument :
MSVOA_X
ClientSampled :
FL-0593

Tot Ion: 91 Resp: 148360
Ion Ratio Lower Upper
91 100
92 34.1 26.2 78.5
134 107.4 14.1 42.4#

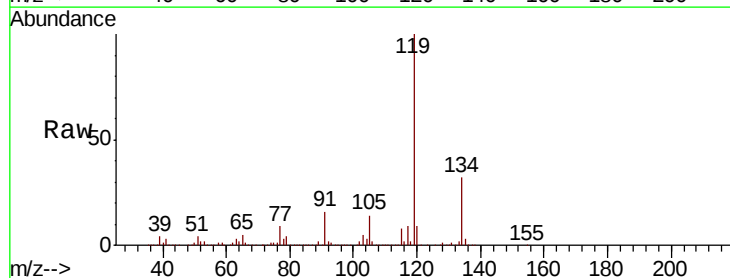


Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0
Ion 134.00 (133.70 to 134.70): V

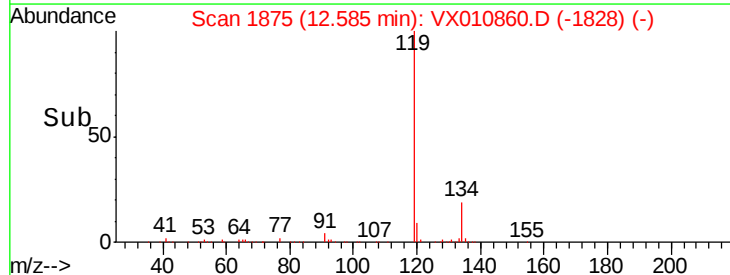
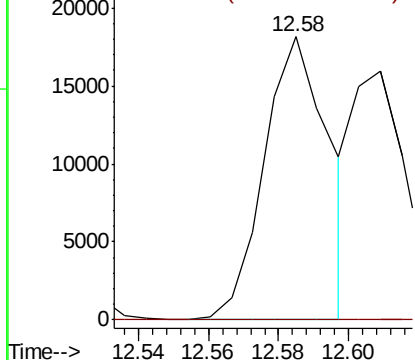


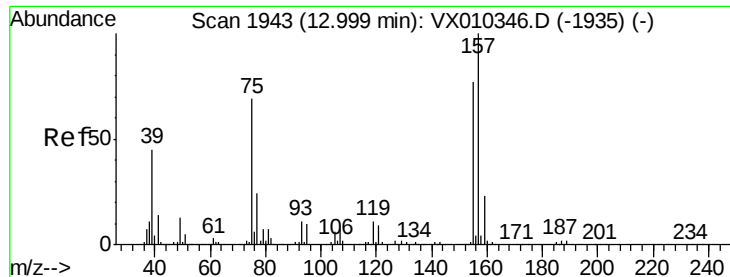
#90
Hexachloroethane
Concen: 12.451 ug/l
RT: 12.58 min Scan# 1875
Delta R.T. -0.01 min
Lab File: VX010860.D
Acq: 13 Jul 2019 00:59

Tgt Ion: 117 Resp: 23353
Ion Ratio Lower Upper
117 100
201 0.0 44.0 131.8#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.360 ug/l

RT: 13.01 min Scan# 1945

Delta R.T. 0.01 min

Lab File: VX010860.D

Acq: 13 Jul 2019 00:59

Instrument :

MSVOA_X

ClientSampleId :

FL-0593

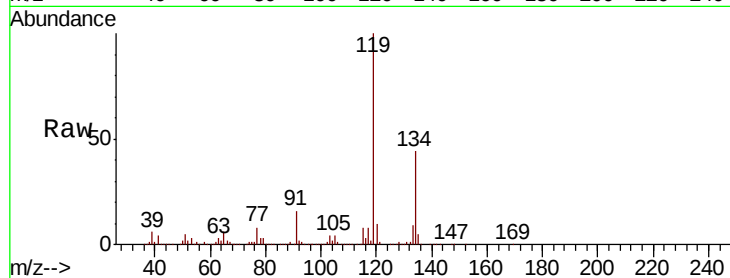
Tot Ion: 75 Resp: 2034

Ion Ratio Lower Upper

75 100

155 1.0 54.4 163.1#

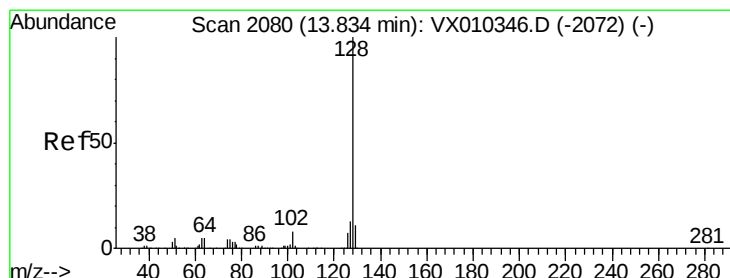
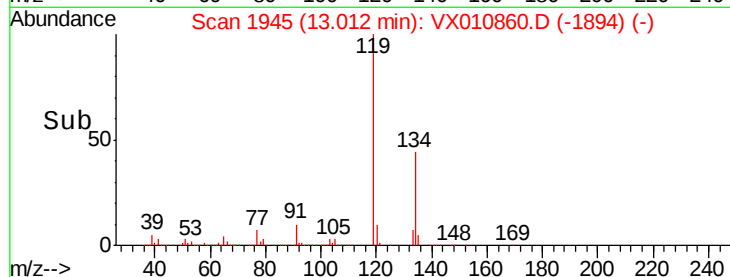
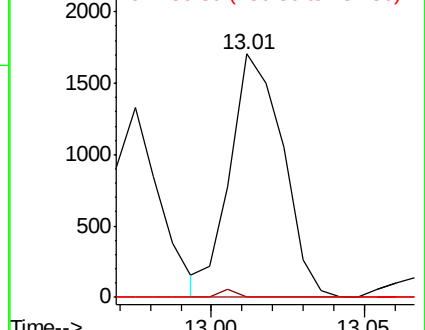
157 0.0 69.5 208.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 4.357 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010860.D

Acq: 13 Jul 2019 00:59

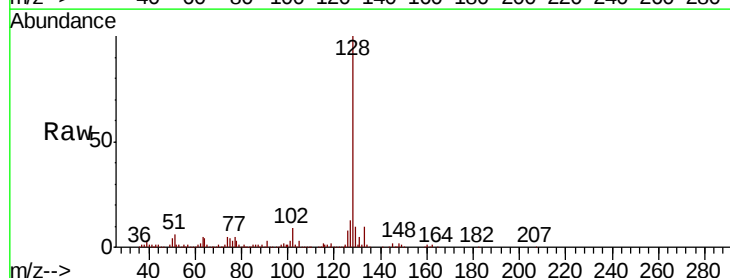
Tgt Ion: 128 Resp: 54288

Ion Ratio Lower Upper

128 100

127 14.7 10.2 15.4

129 15.4 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

