

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\
 Data File : VX010861.D
 Acq On : 13 Jul 2019 01:22
 Operator : JC/SP
 Sample : K3791-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL- 0594

Quant Time: Jul 15 08:45:50 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	243333	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	380579	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	357317	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	187927	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	126991	55.66	ug/l	0.00
Spiked Amount						
			Recovery	=	111.32%	
35) Dibromofluoromethane	5.50	113	114199	49.04	ug/l	0.00
Spiked Amount						
			Recovery	=	98.08%	
50) Toluene-d8	8.71	98	462509	51.92	ug/l	0.00
Spiked Amount						
			Recovery	=	103.84%	
62) 4-Bromofluorobenzene	11.13	95	170927	53.15	ug/l	0.00
Spiked Amount						
			Recovery	=	106.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	479	0.243	ug/l #	83
5) Bromomethane	1.65	94	715	0.680	ug/l #	75
11) Tert butyl alcohol	3.03	59	509	0.853	ug/l #	74
13) Acrolein	2.40	56	25463	64.296	ug/l #	74
14) Allyl chloride	2.84	41	67421	22.516	ug/l #	64
15) Acrylonitrile	3.18	53	21298	18.019	ug/l #	40
16) Acetone	2.40	43	67007	58.603	ug/l #	48
17) Carbon Disulfide	2.57	76	1311	0.232	ug/l	100
18) Methyl Acetate	2.85	43	173636	76.193	ug/l #	48
20) Methylene Chloride	2.85	84	498	0.212	ug/l #	1
25) 2-Butanone	4.56	43	4927	2.938	ug/l #	46
26) 2,2-Dichloropropane	4.42	77	9732	3.096	ug/l #	49
27) cis-1,2-Dichloroethene	4.61	96	1000	0.381	ug/l #	1
29) Tetrahydrofuran	5.14	42	230	0.221	ug/l #	28
30) Chloroform	5.26	83	1024	0.263	ug/l #	1
31) Cyclohexane	5.59	56	855856	259.706	ug/l	97
36) 1,1-Dichloropropene	5.67	75	16348	5.406	ug/l #	49
38) Carbon Tetrachloride	5.66	117	22075	6.741	ug/l #	16
39) Methylcyclohexane	7.46	83	724555	182.262	ug/l	96
40) Benzene	6.15	78	6105	0.648	ug/l #	88
41) Methacrylonitrile	5.24	41	11207	6.565	ug/l #	44
43) Isopropyl Acetate	6.45	43	10974	2.132	ug/l #	59
44) Trichloroethene	7.21	130	1358	0.482	ug/l	73
45) 1,2-Dichloropropane	7.47	63	7262	3.052	ug/l #	1
47) Bromodichloromethane	7.85	83	1460	0.467	ug/l #	38
48) Methyl methacrylate	7.73	41	46457	19.417	ug/l #	53
51) 4-Methyl-2-Pentanone	8.66	43	5821	1.768	ug/l #	34
52) Toluene	8.79	92	6546	1.055	ug/l	93
55) 1,1,2-Trichloroethane	9.16	97	32978	12.887	ug/l #	19
56) Ethyl methacrylate	9.16	69	6803	1.755	ug/l #	1
59) 2-Hexanone	9.50	43	806	0.311	ug/l	81
60) Dibromochloromethane	9.34	129	704	0.246	ug/l #	11
64) Tetrachloroethene	9.34	164	791	0.274	ug/l #	80
67) Ethyl Benzene	10.25	91	3842307	313.742	ug/l	100

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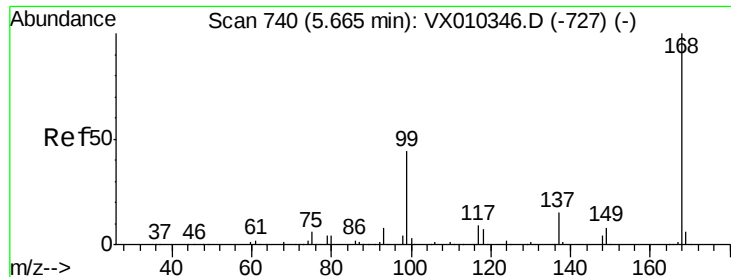
Instrument :
 MSVOA_X
 ClientSampleId :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

68) m/p-Xylenes	10.36	106	1878250	395.813	uq/l	97
69) o-Xylene	10.69	106	267689	57.363	uq/l	96
70) Styrene	10.69	104	14185	1.813	uq/l #	1
73) Isopropylbenzene	11.02	105	385321	30.247	uq/l	98
74) N-amyl acetate	10.91	43	1181	0.245	uq/l #	1
75) 1,1,2,2-Tetrachloroethane	11.27	83	1768	0.419	uq/l #	50
76) 1,2,3-Trichloropropane	11.36	75	4131	1.206	uq/l #	1
78) n-propylbenzene	11.36	91	646012	46.141	uq/l	98
79) 2-Chlorotoluene	11.43	91	260254	31.216	uq/l #	38
80) 1,3,5-Trimethylbenzene	11.51	105	777363	74.021	uq/l	98
81) trans-1,4-Dichloro-2-buten	11.02	75	4900	3.338	uq/l #	63
82) 4-Chlorotoluene	11.51	91	83890	8.843	uq/l #	42
83) tert-Butylbenzene	11.80	119	345507	32.779	uq/l #	52
84) 1,2,4-Trimethylbenzene	11.80	105	2829937	268.212	uq/l	100
85) sec-Butylbenzene	11.94	105	128050	10.347	uq/l	87
86) p-Isopropyltoluene	12.06	119	103057	9.003	uq/l	99
89) n-Butylbenzene	12.38	91	152405	15.667	uq/l #	33
90) Hexachloroethane	12.58	117	28913	14.607	uq/l #	5
92) 1,2-Dibromo-3-Chloropropan	12.97	75	1624	1.785	uq/l #	1
95) Naphthalene	13.83	128	820586	62.395	uq/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010861.D

Acq: 13 Jul 2019 01:22

Instrument :

MSVOA_X

ClientSampleId :

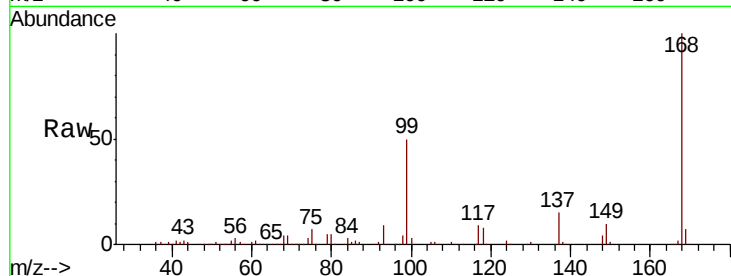
FL- 0594

Tot Ion:168 Resp: 243333

Ion Ratio Lower Upper

168 100

99 49.6 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

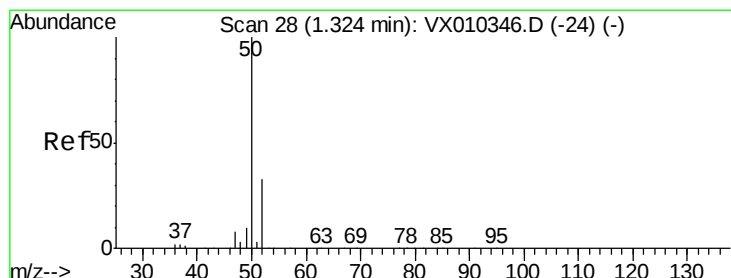
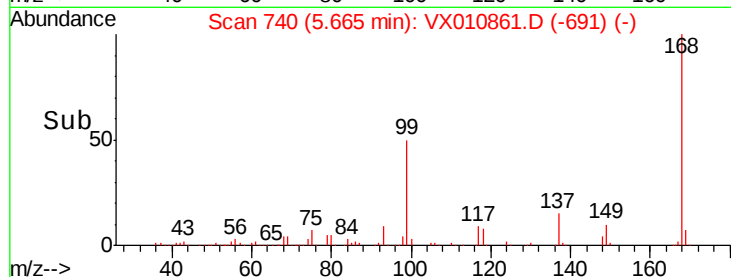
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.243 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010861.D

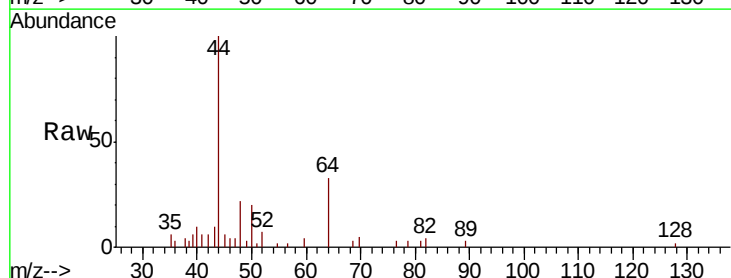
Acq: 13 Jul 2019 01:22

Tgt Ion: 50 Resp: 479

Ion Ratio Lower Upper

50 100

52 43.0 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

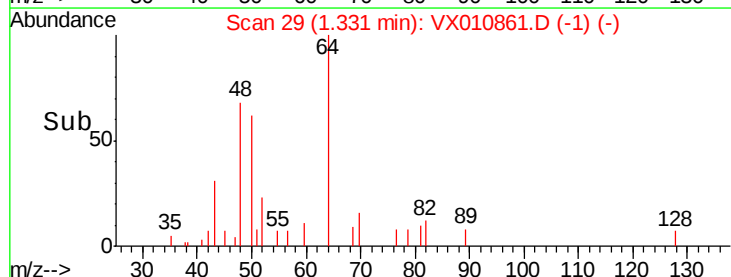
300

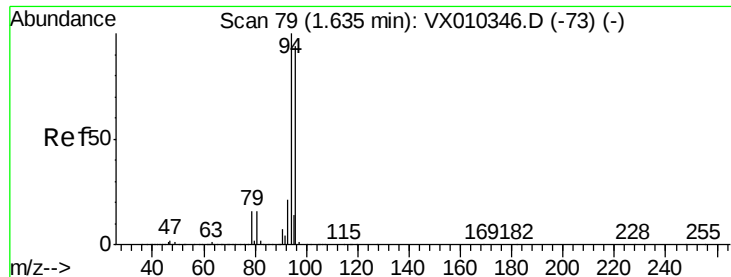
200

100

0

Time--> 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.680 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010861.D

Acq: 13 Jul 2019 01:22

Instrument :

MSVOA_X

ClientSampled :

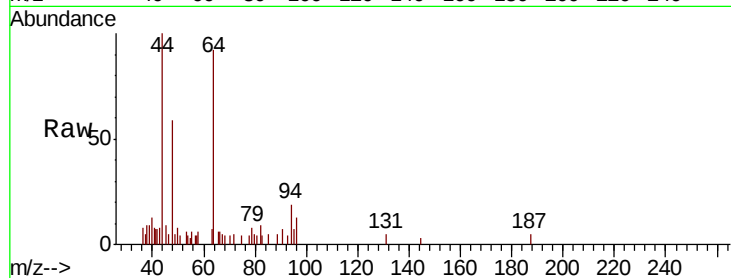
FL- 0594

Tot Ion: 94 Resp: 715

Ion Ratio Lower Upper

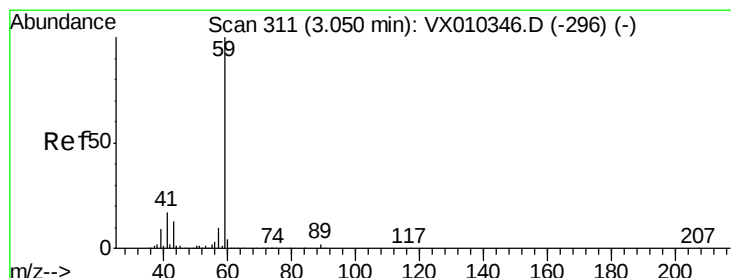
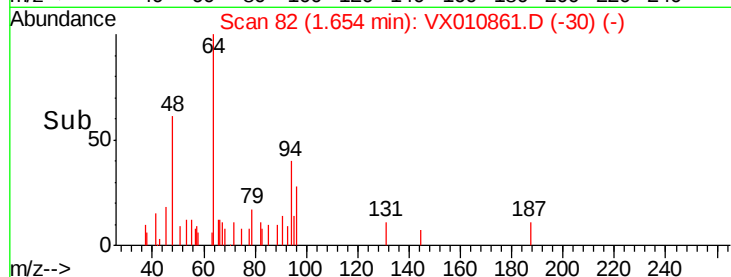
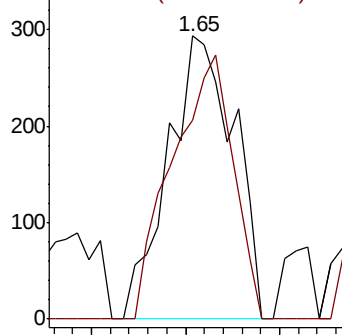
94 100

96 70.3 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 0.853 ug/l

RT: 3.03 min Scan# 308

Delta R.T. -0.02 min

Lab File: VX010861.D

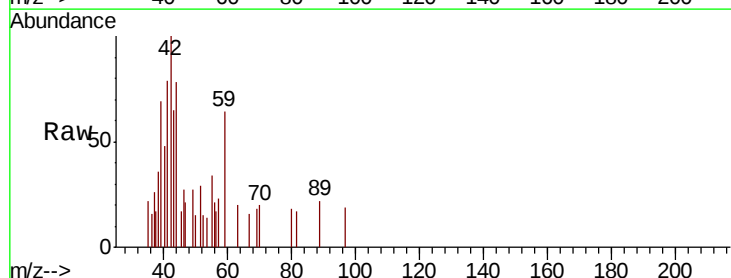
Acq: 13 Jul 2019 01:22

Tgt Ion: 59 Resp: 509

Ion Ratio Lower Upper

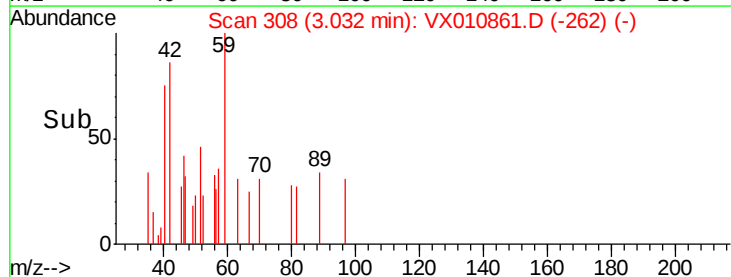
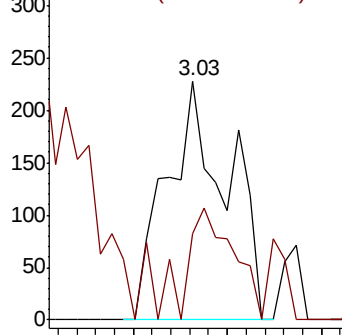
59 100

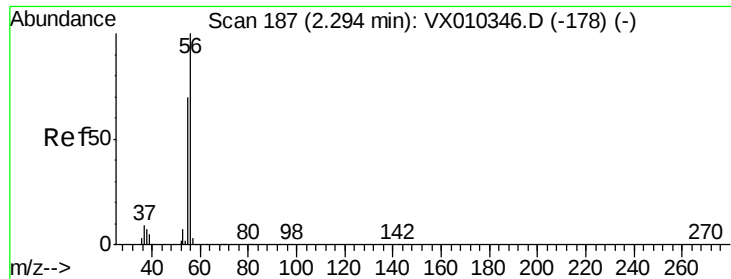
57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 64.296 ug/l

RT: 2.40 min Scan# 204

Delta R.T. 0.10 min

Lab File: VX010861.D

Acq: 13 Jul 2019 01:22

Instrument :

MSVOA_X

ClientSampled :

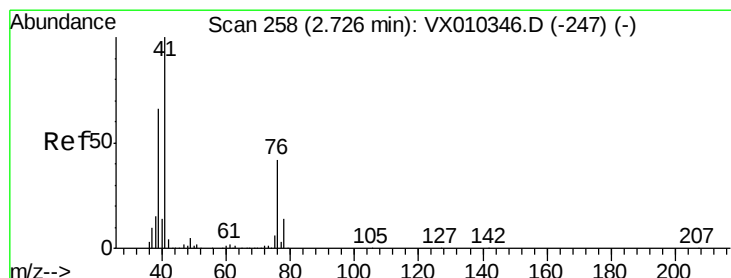
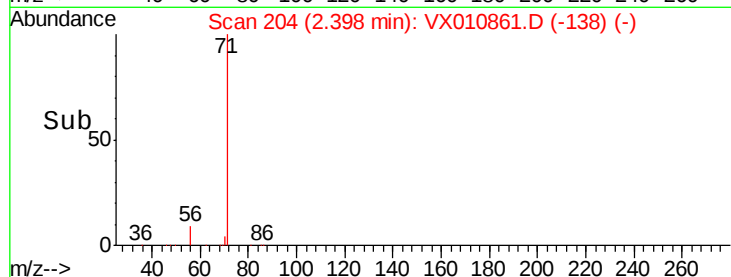
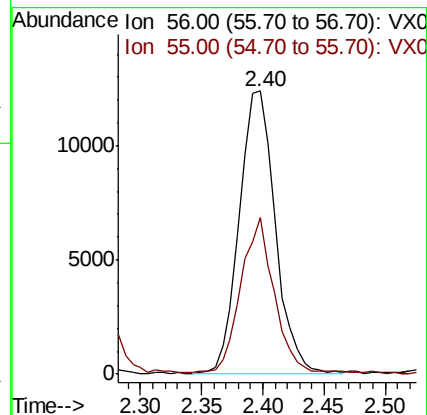
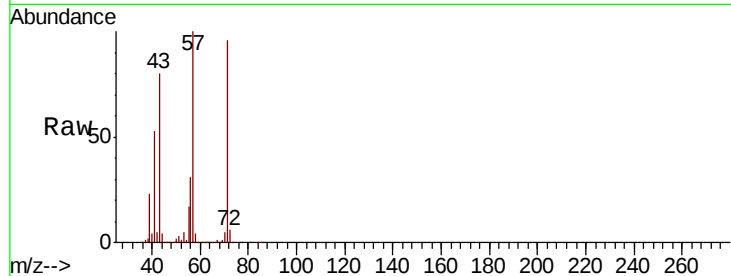
FL- 0594

Tot Ion: 56 Resp: 25463

Ion Ratio Lower Upper

56 100

55 49.9 56.9 85.3#



#14

Allyl chloride

Concen: 22.516 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.12 min

Lab File: VX010861.D

Acq: 13 Jul 2019 01:22

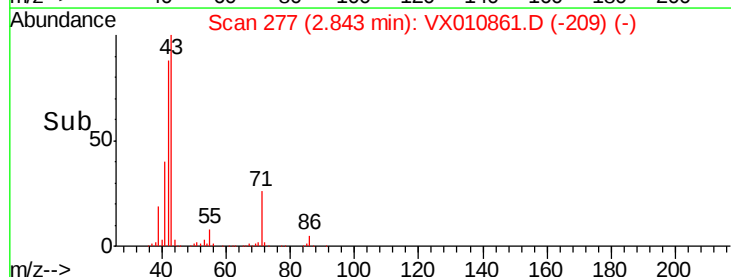
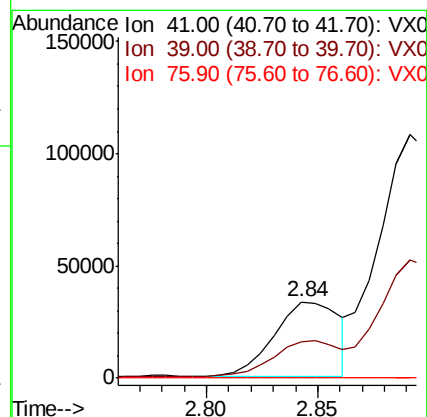
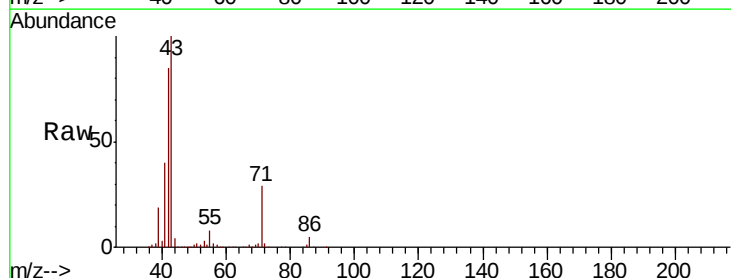
Tgt Ion: 41 Resp: 67421

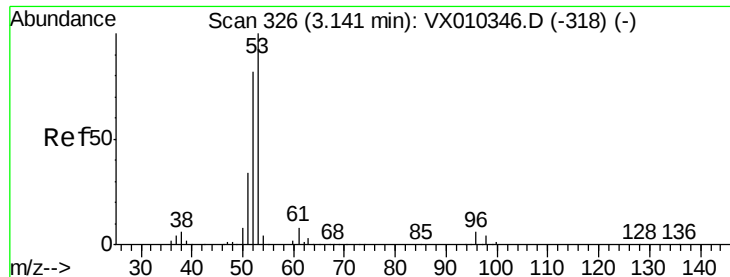
Ion Ratio Lower Upper

41 100

39 49.1 50.3 75.5#

76 0.0 31.3 46.9#





#15

Acrylonitrile

Concen: 18.019 ug/l

RT: 3.18 min Scan# 332

Delta R.T. 0.04 min

Lab File: VX010861.D

Acq: 13 Jul 2019 01:22

Instrument :

MSVOA_X

ClientSampled :

FL- 0594

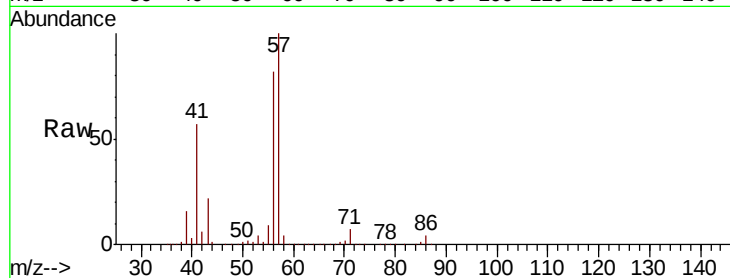
Tot Ion: 53 Resp: 21298

Ion Ratio Lower Upper

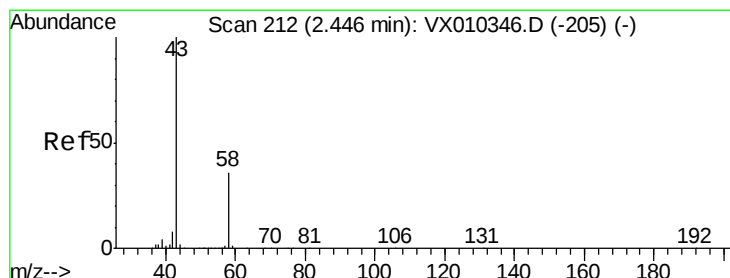
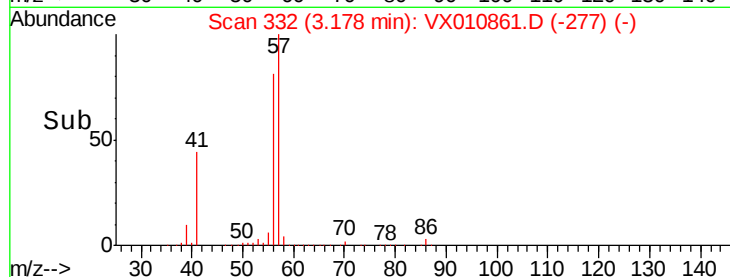
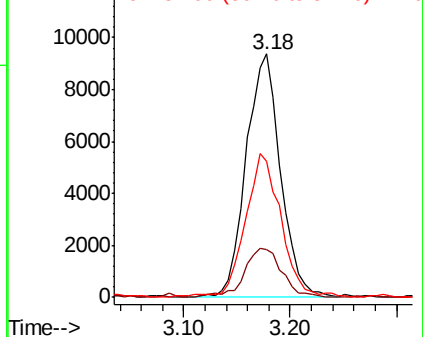
53 100

52 21.9 65.5 98.3#

51 61.5 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: 58.603 ug/l

RT: 2.40 min Scan# 204

Delta R.T. -0.05 min

Lab File: VX010861.D

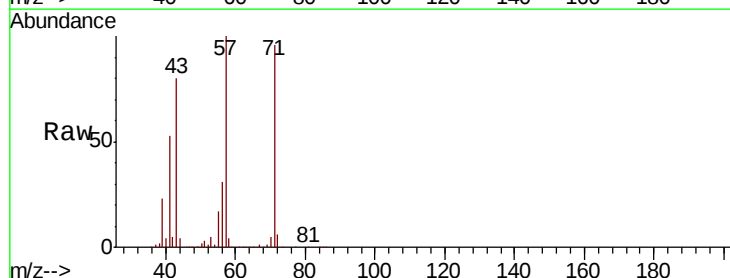
Acq: 13 Jul 2019 01:22

Tgt Ion: 43 Resp: 67007

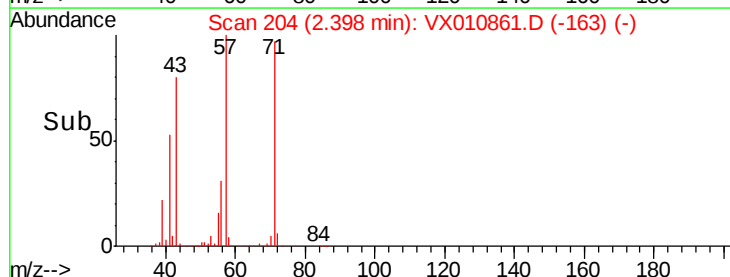
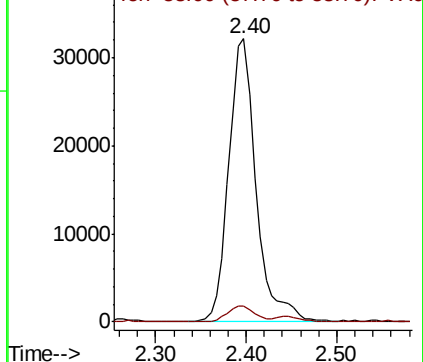
Ion Ratio Lower Upper

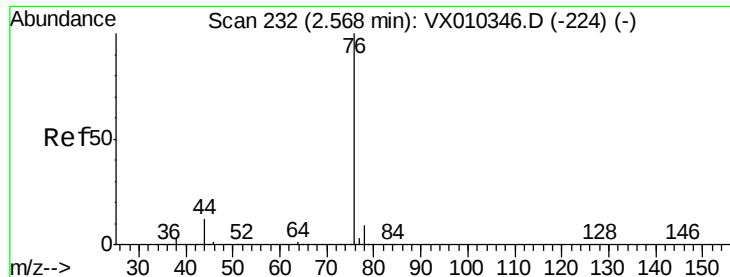
43 100

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

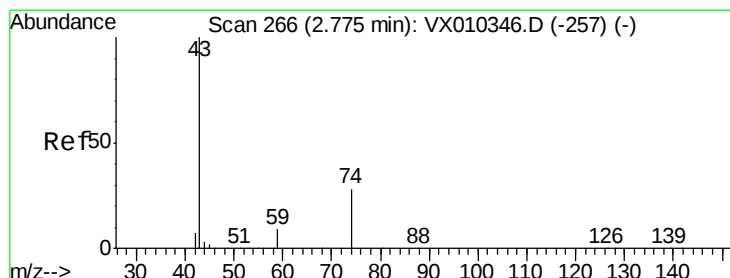
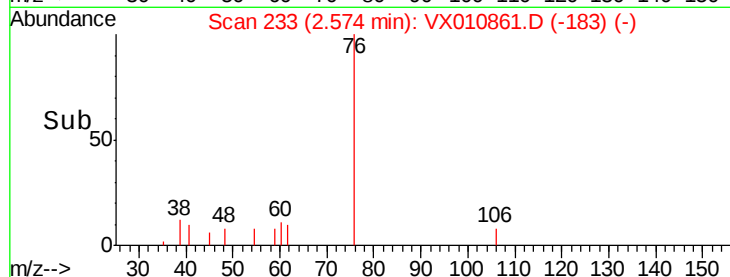
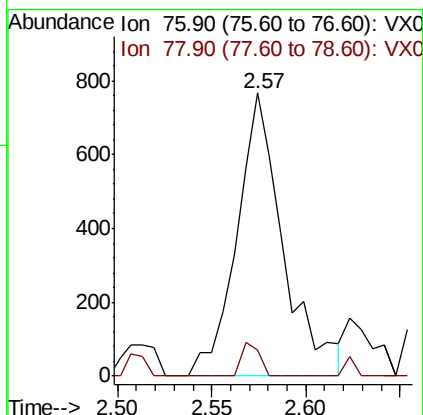
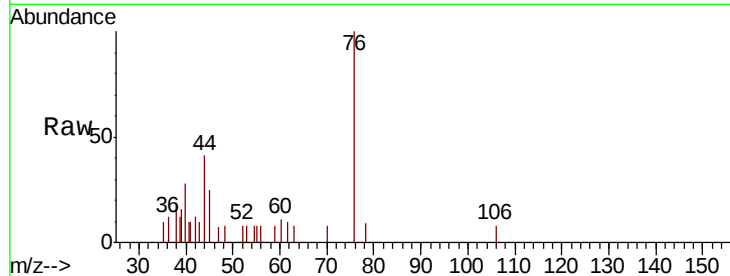




#17
Carbon Disulfide
Concen: 0.232 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX010861.D
Acq: 13 Jul 2019 01:22

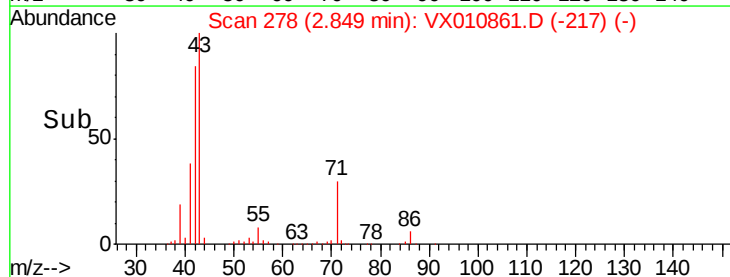
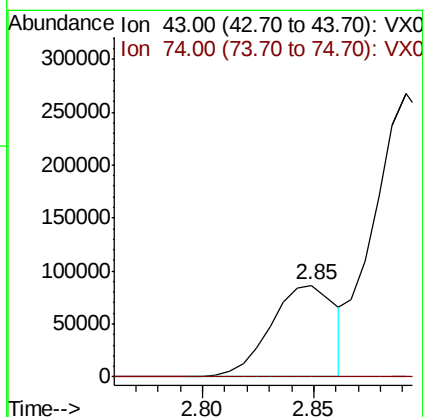
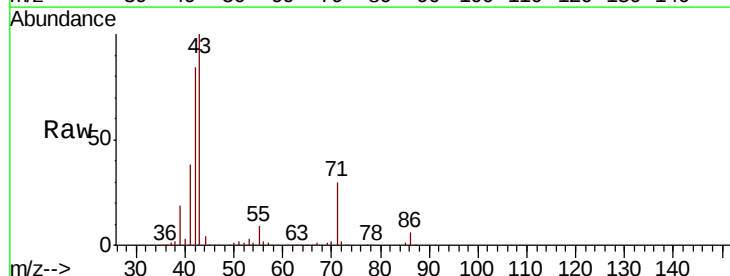
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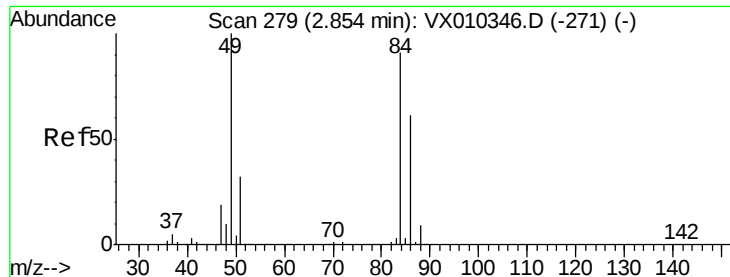
Tot Ion: 76 Resp: 1311
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9



#18
Methyl Acetate
Concen: 76.193 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.07 min
Lab File: VX010861.D
Acq: 13 Jul 2019 01:22

Tgt Ion: 43 Resp: 173636
Ion Ratio Lower Upper
43 100
74 0.0 21.3 31.9#

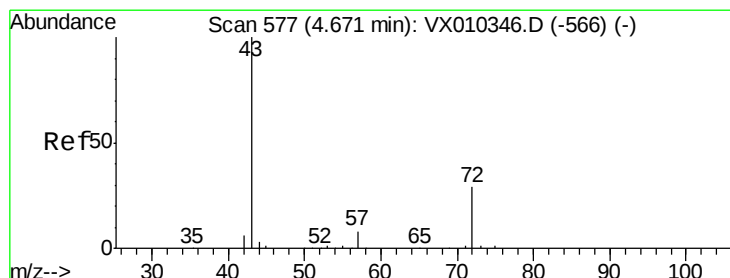
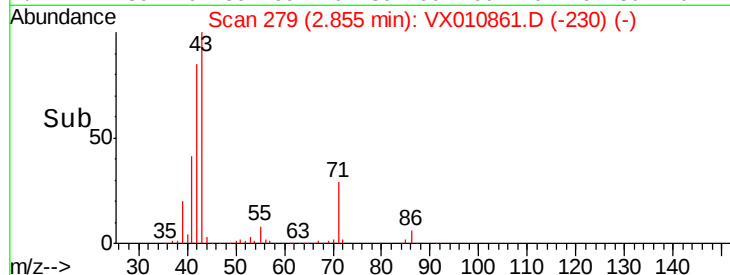
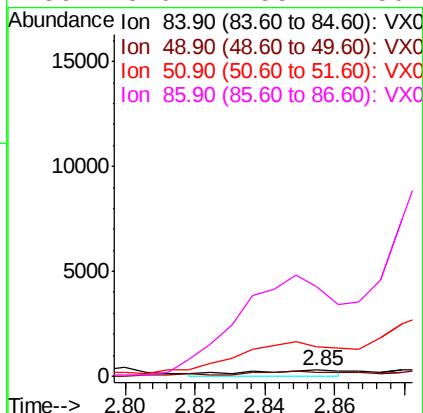
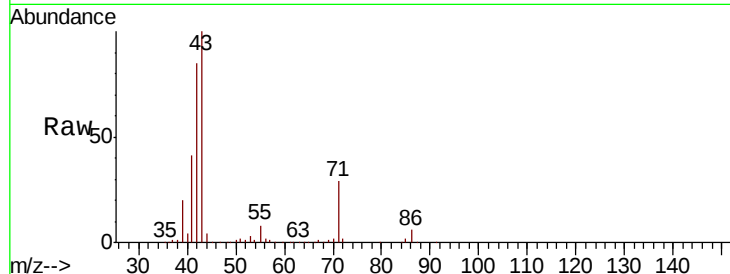




#20
Methvlene Chloride
Concen: 0.212 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010861.D
Acq: 13 Jul 2019 01:22

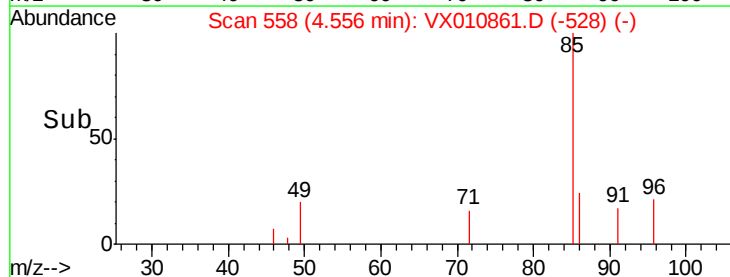
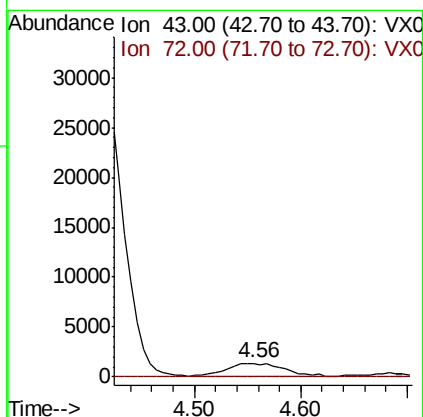
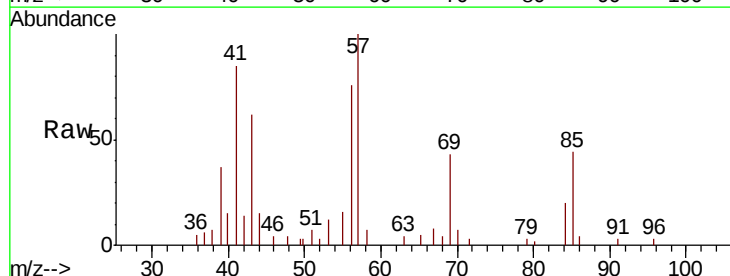
Instrument :
MSVOA_X
ClientSampled :
FL- 0594

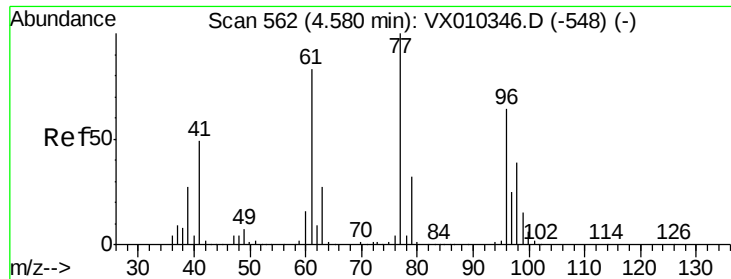
Tot Ion: 84 Resp: 498
Ion Ratio Lower Upper
84 100
49 58.5 87.5 131.3#
51 759.2 27.7 41.5#
86 2370.1 53.4 80.0#



#25
2-Butanone
Concen: 2.938 ug/l
RT: 4.56 min Scan# 558
Delta R.T. -0.12 min
Lab File: VX010861.D
Acq: 13 Jul 2019 01:22

Tgt Ion: 43 Resp: 4927
Ion Ratio Lower Upper
43 100
72 0.0 23.3 34.9#





#26

2,2-Dichloropropane

Concen: 3.096 ug/l

RT: 4.42 min Scan# 535

Delta R.T. -0.16 min

Lab File: VX010861.D

Acq: 13 Jul 2019 01:22

Instrument :

MSVOA_X

ClientSampleId :

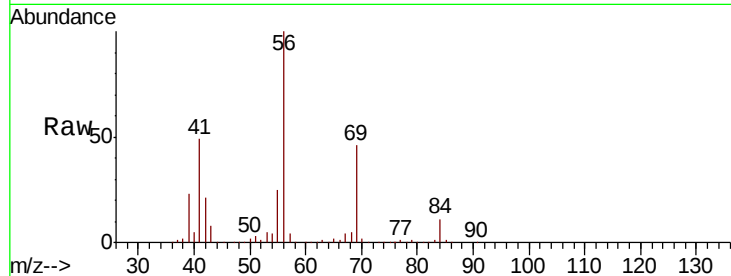
FL- 0594

Tot Ion: 77 Resp: 9732

Ion Ratio Lower Upper

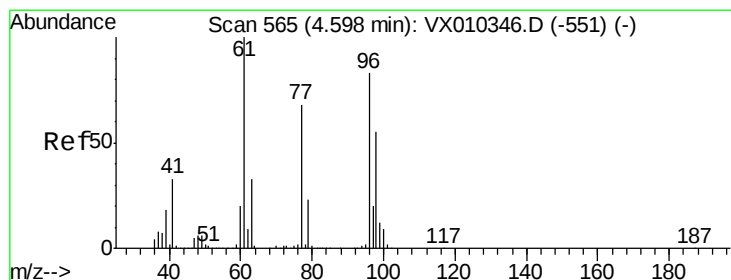
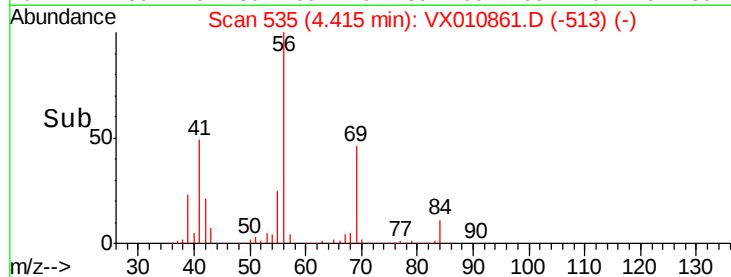
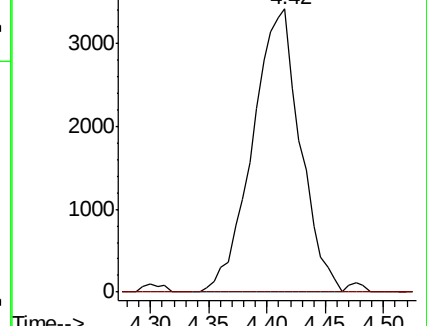
77 100

97 0.0 13.1 39.3#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.381 ug/l

RT: 4.61 min Scan# 567

Delta R.T. 0.01 min

Lab File: VX010861.D

Acq: 13 Jul 2019 01:22

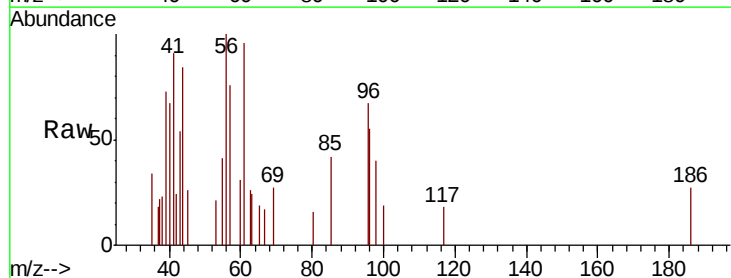
Tgt Ion: 96 Resp: 1000

Ion Ratio Lower Upper

96 100

61 0.0 0.0 251.8

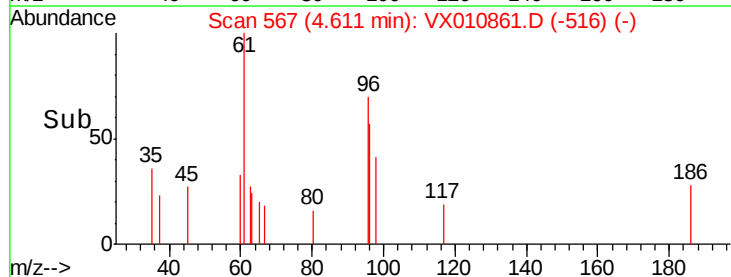
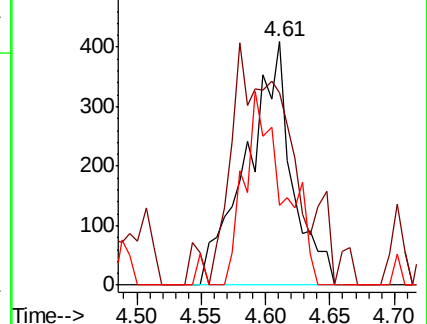
98 0.0 0.0 129.4

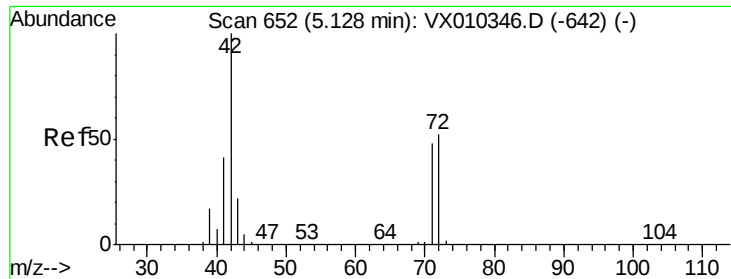


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

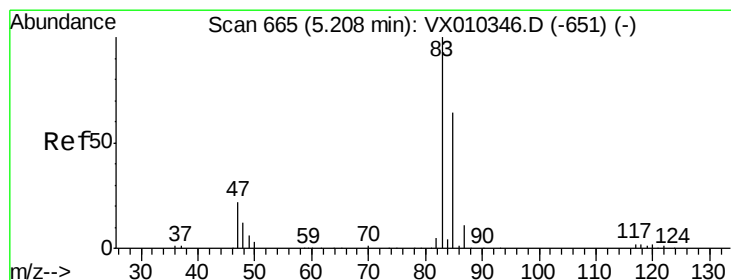
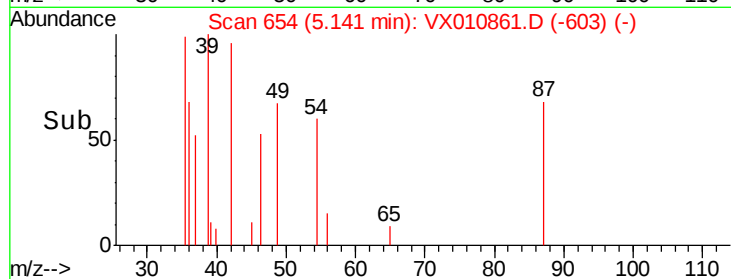
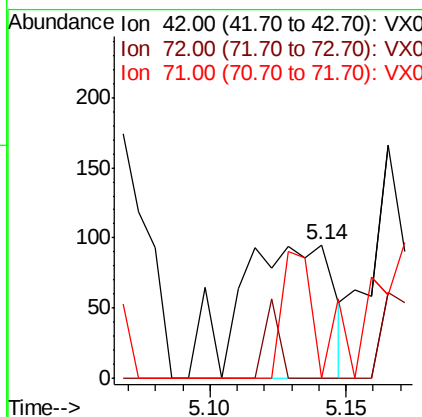
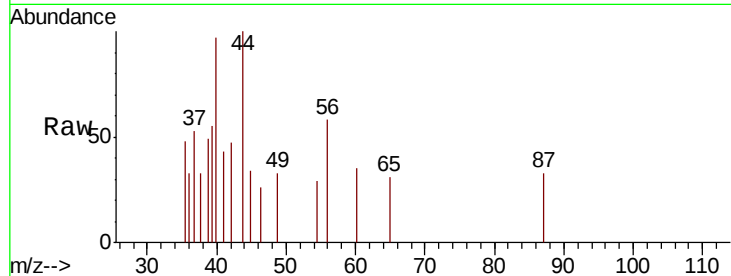




#29
Tetrahydrofuran
Concen: 0.221 ug/l
RT: 5.14 min Scan# 654
Delta R.T. 0.01 min
Lab File: VX010861.D
Acq: 13 Jul 2019 01:22

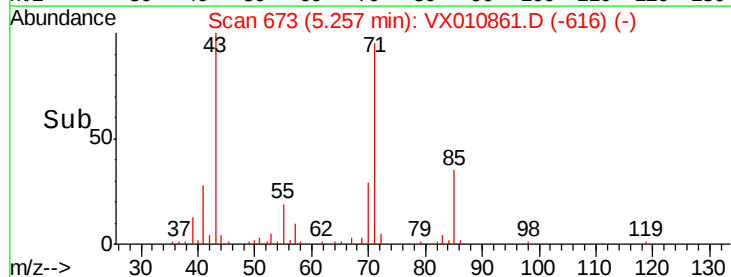
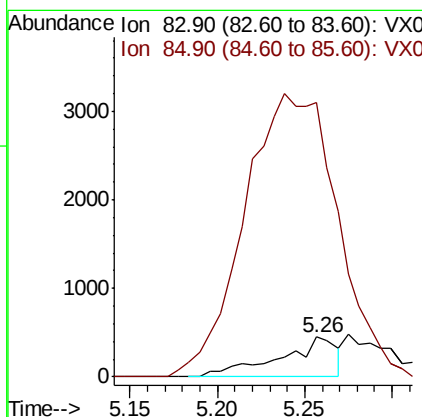
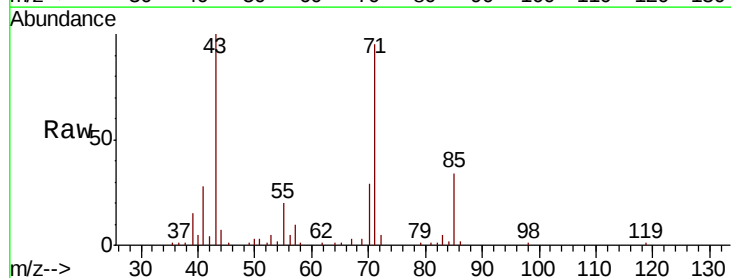
Instrument :
MSVOA_X
ClientSampled :
FL- 0594

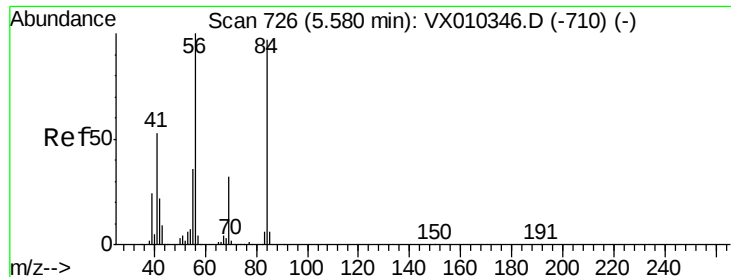
Tot Ion: 42 Resp: 230
Ion Ratio Lower Upper
42 100
72 0.0 40.6 60.8#
71 0.0 37.8 56.8#



#30
Chloroform
Concen: 0.263 ug/l
RT: 5.26 min Scan# 673
Delta R.T. 0.05 min
Lab File: VX010861.D
Acq: 13 Jul 2019 01:22

Tgt Ion: 83 Resp: 1024
Ion Ratio Lower Upper
83 100
85 651.7 50.9 76.3#

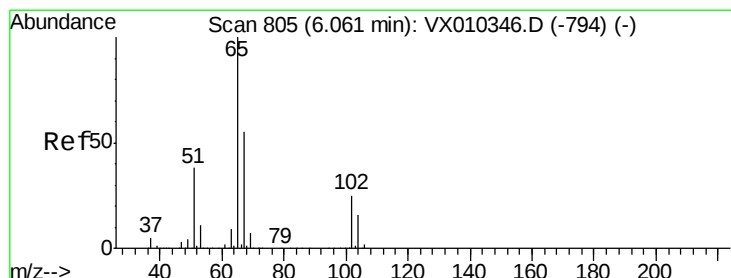
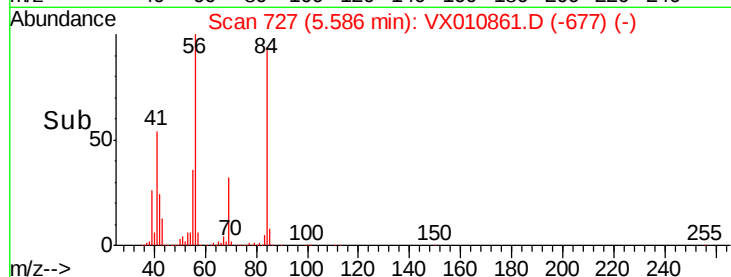
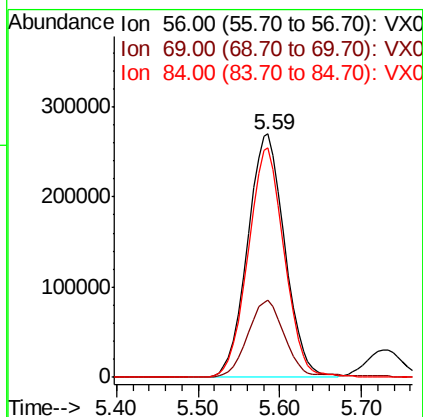
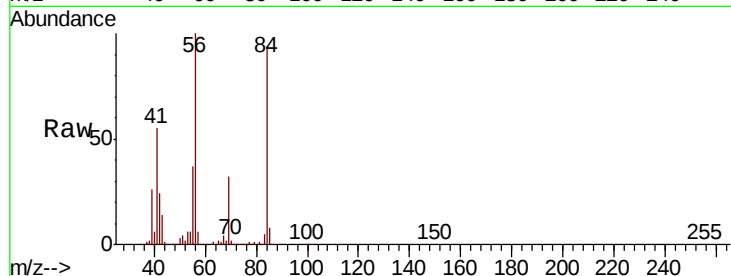




#31
Cyclohexane
Concen: 259.706 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX010861.D
Acq: 13 Jul 2019 01:22

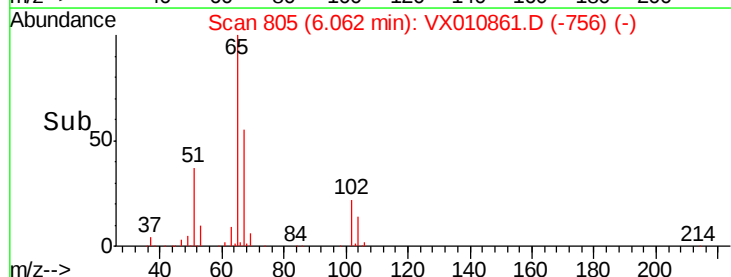
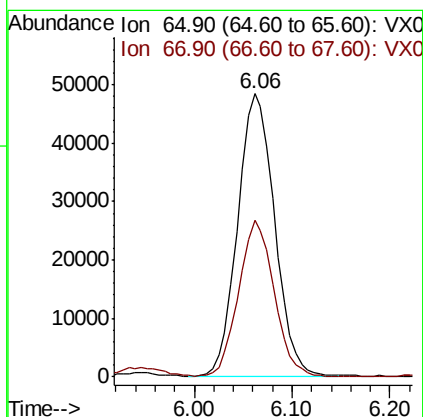
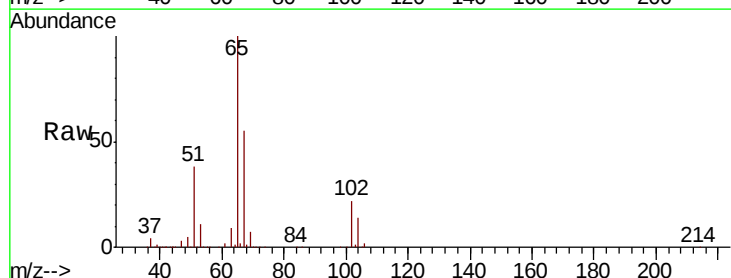
Instrument :
MSVOA_X
ClientSampleId :
FL- 0594

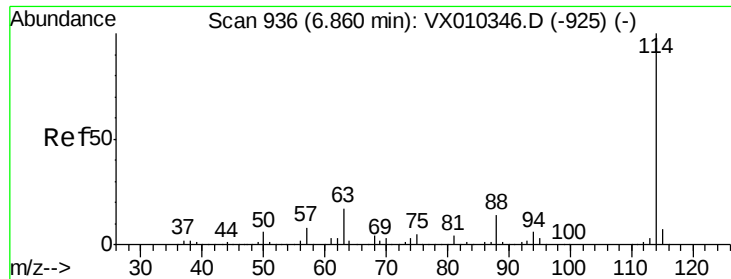
Tot Ion: 56 Resp: 855856
Ion Ratio Lower Upper
56 100
69 31.7 25.9 38.9
84 94.1 78.0 117.0



#33
1,2-Dichloroethane-d4
Concen: 55.661 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010861.D
Acq: 13 Jul 2019 01:22

Tgt Ion: 65 Resp: 126991
Ion Ratio Lower Upper
65 100
67 53.0 0.0 110.2

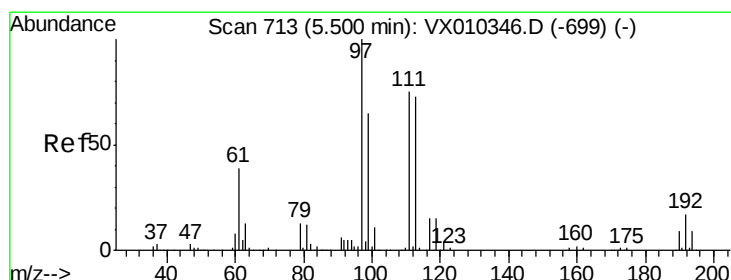
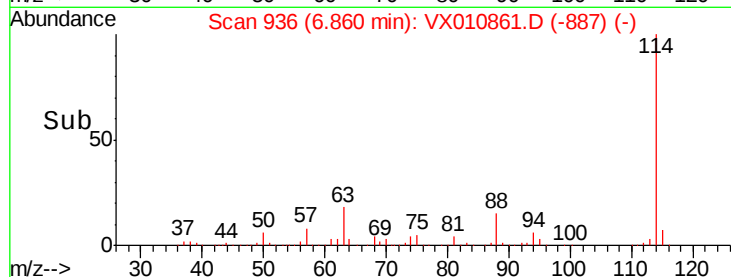
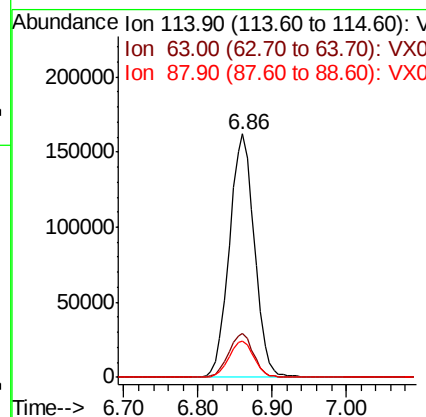
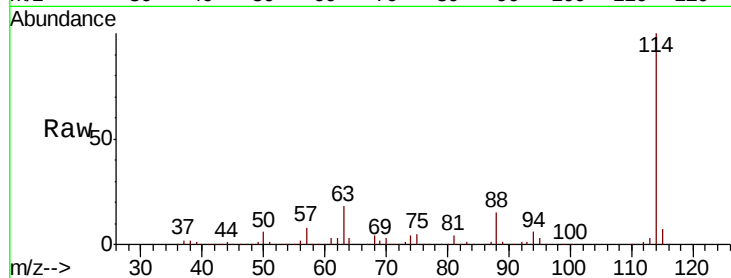




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010861.D
 Acq: 13 Jul 2019 01:22

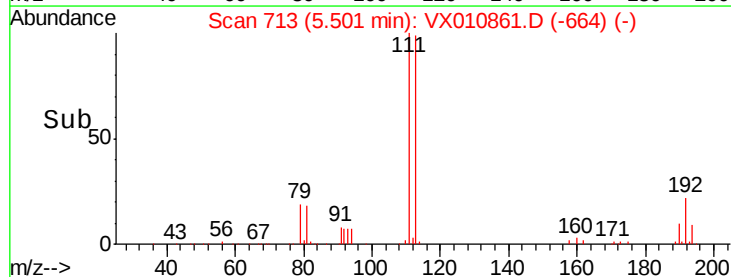
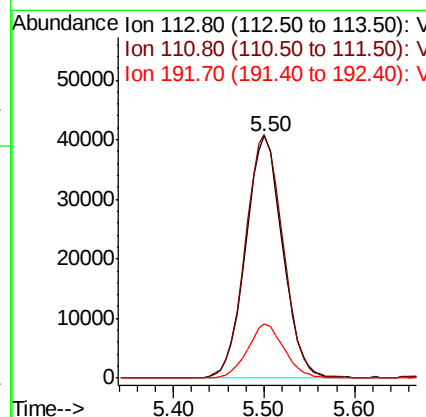
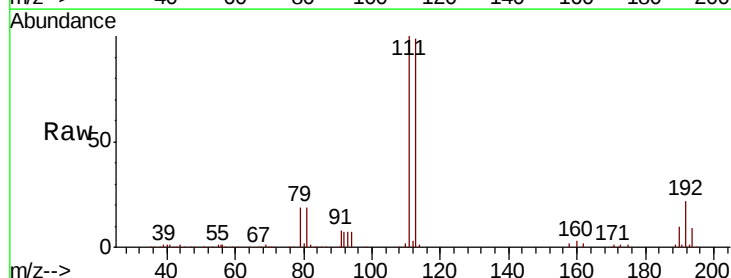
Instrument :
 MSVOA_X
 ClientSampleId :
 FL- 0594

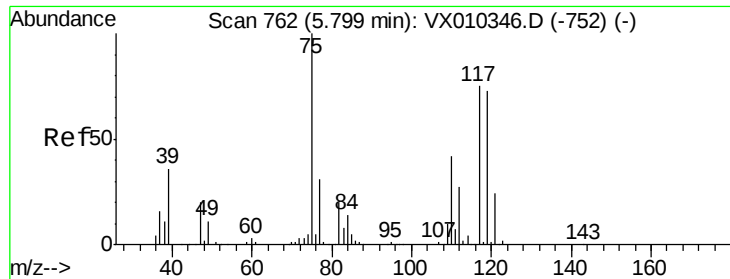
Tot Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	33.8
88	14.8	0.0	27.6



#35
 Dibromofluoromethane
 Concen: 49.044 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010861.D
 Acq: 13 Jul 2019 01:22

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.2	121.8
192	22.1	18.6	27.8

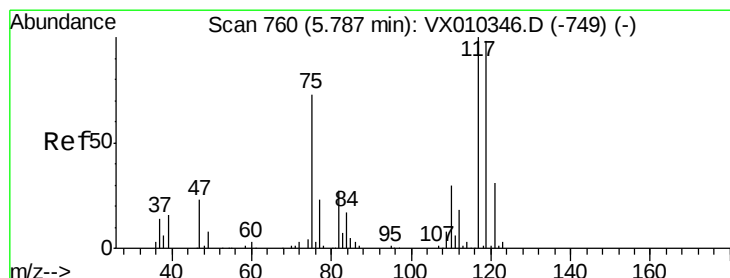
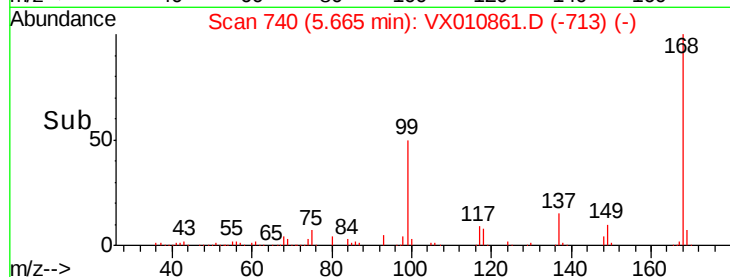
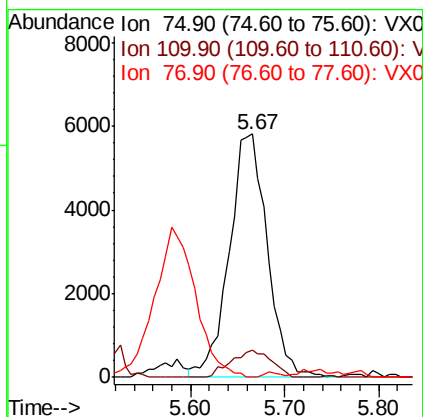
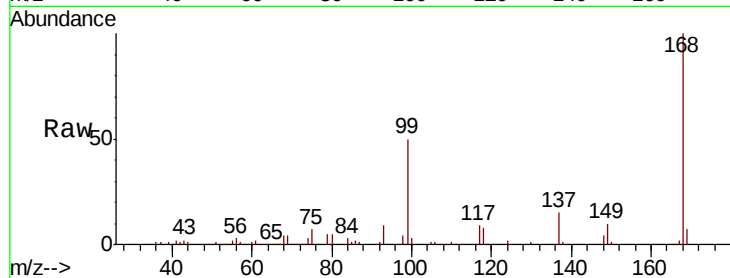




#36
 1,1-Dichloropropene
 Concen: 5.406 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010861.D
 Acq: 13 Jul 2019 01:22

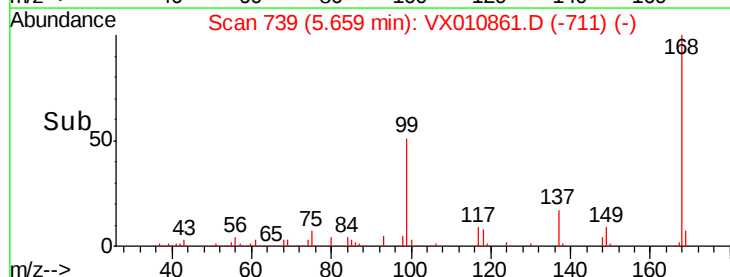
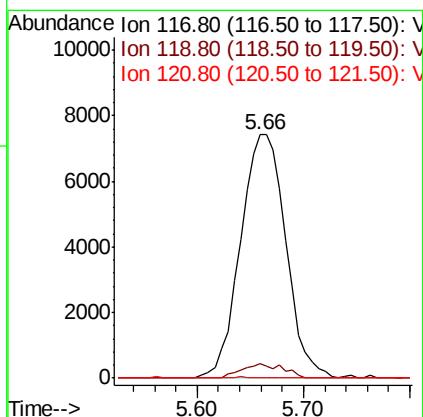
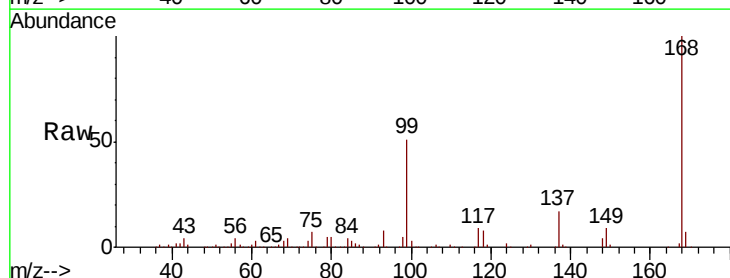
Instrument :
 MSVOA_X
 ClientSampleId :
 FL- 0594

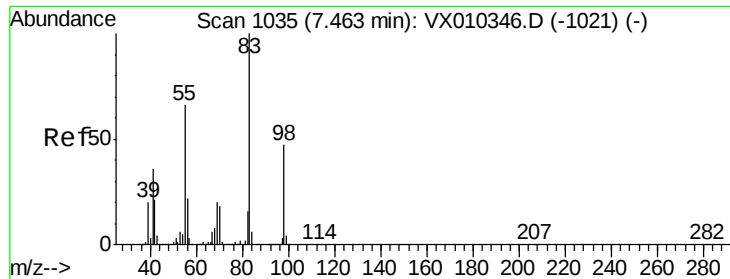
Tot Ion: 75 Resp: 16348
 Ion Ratio Lower Upper
 75 100
 110 11.8 20.8 62.2#
 77 0.0 25.4 38.0#



#38
 Carbon Tetrachloride
 Concen: 6.741 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX010861.D
 Acq: 13 Jul 2019 01:22

Tgt Ion: 117 Resp: 22075
 Ion Ratio Lower Upper
 117 100
 119 5.8 78.2 117.4#
 121 0.0 24.7 37.1#

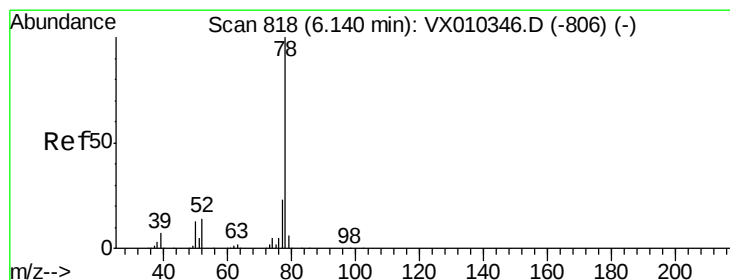
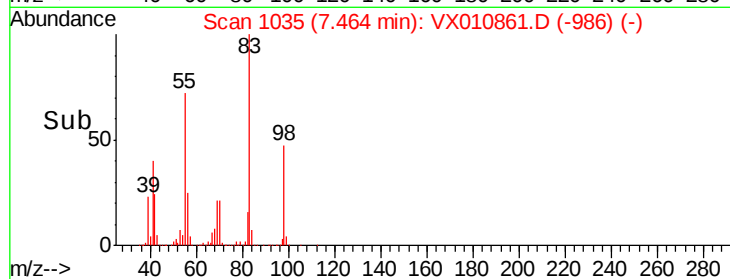
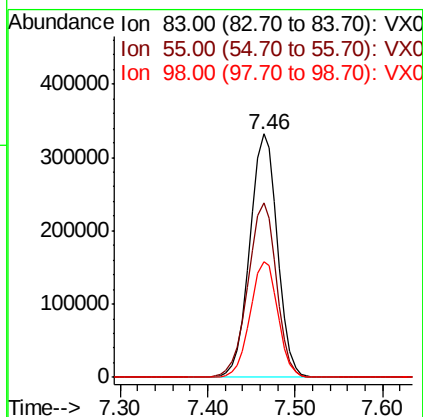
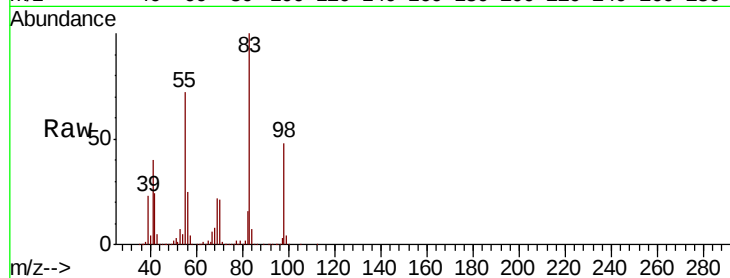




#39
Methvlcvclohexane
Concen: 182.262 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010861.D
Acq: 13 Jul 2019 01:22

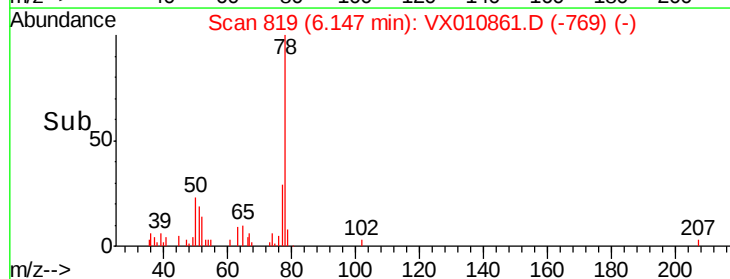
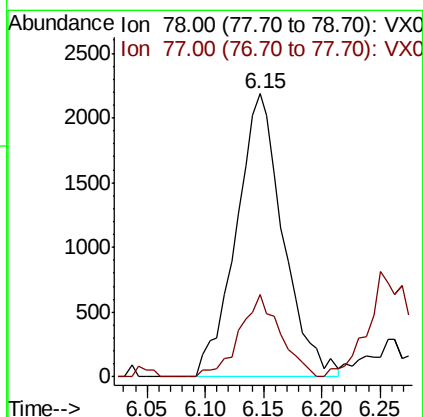
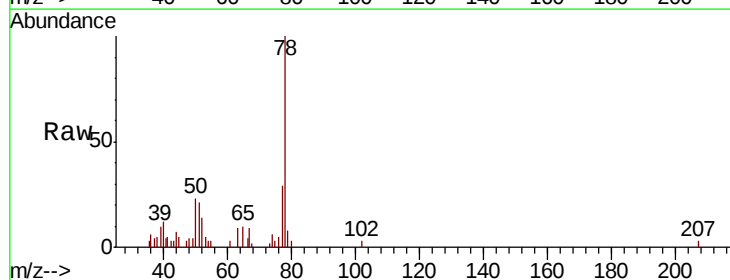
Instrument :
MSVOA_X
ClientSampleId :
FL- 0594

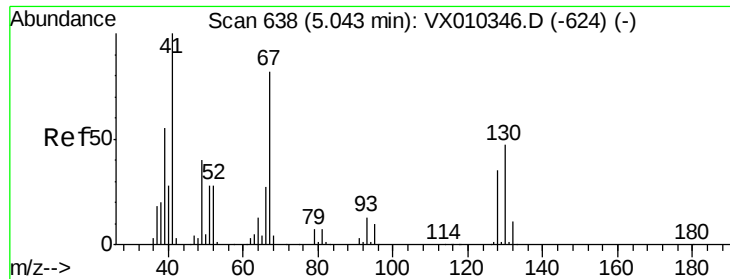
Tot Ion: 83 Resp: 724555
Ion Ratio Lower Upper
83 100
55 71.7 53.0 79.6
98 47.6 37.8 56.8



#40
Benzene
Concen: 0.648 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX010861.D
Acq: 13 Jul 2019 01:22

Tgt Ion: 78 Resp: 6105
Ion Ratio Lower Upper
78 100
77 28.9 18.6 28.0#

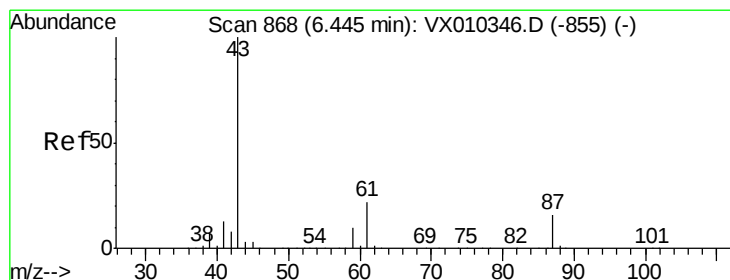
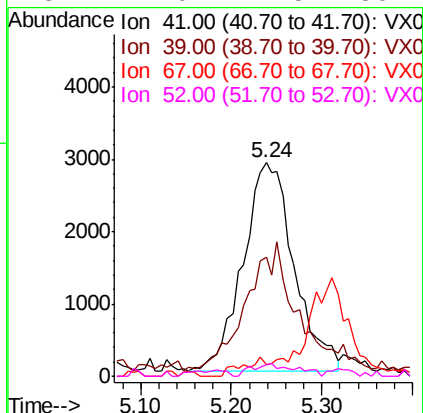
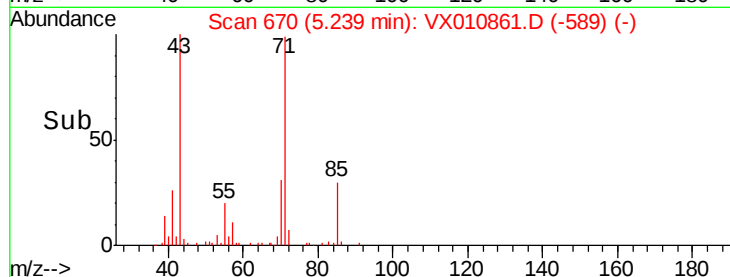
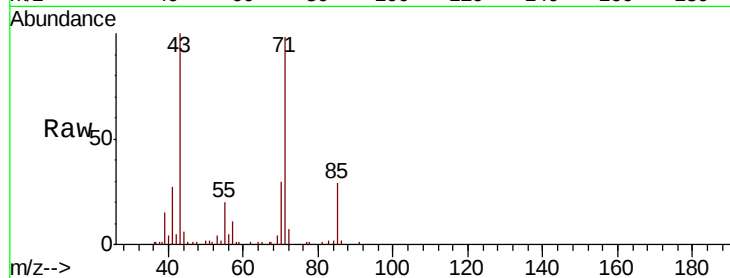




#41
Methacrylonitrile
Concen: 6.565 ug/l
RT: 5.24 min Scan# 670
Delta R.T. 0.20 min
Lab File: VX010861.D
Acq: 13 Jul 2019 01:22

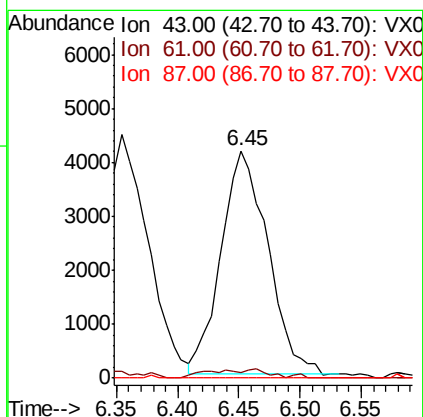
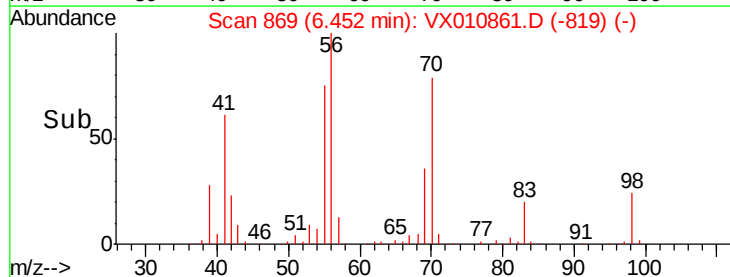
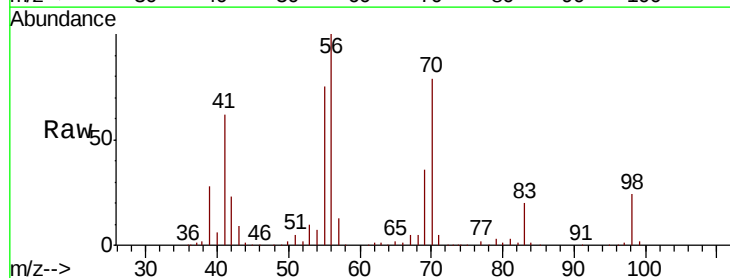
Instrument :
MSVOA_X
ClientSampled :
FL- 0594

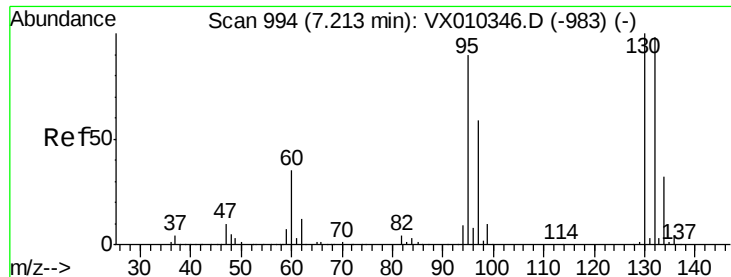
Tot Ion: 41 Resp: 11207
Ion Ratio Lower Upper
41 100
39 56.2 43.8 65.8
67 0.0 66.6 100.0#
52 1.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 2.132 ug/l
RT: 6.45 min Scan# 869
Delta R.T. 0.01 min
Lab File: VX010861.D
Acq: 13 Jul 2019 01:22

Tgt Ion: 43 Resp: 10974
Ion Ratio Lower Upper
43 100
61 1.8 17.8 26.6#
87 0.0 13.0 19.4#

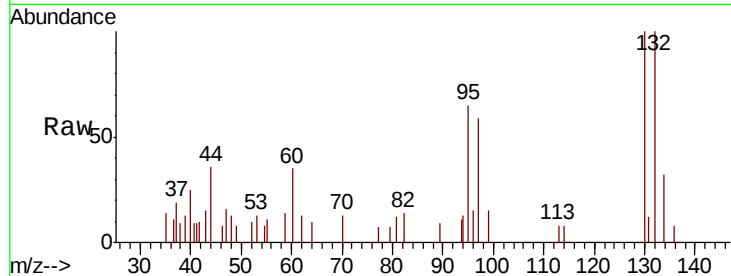




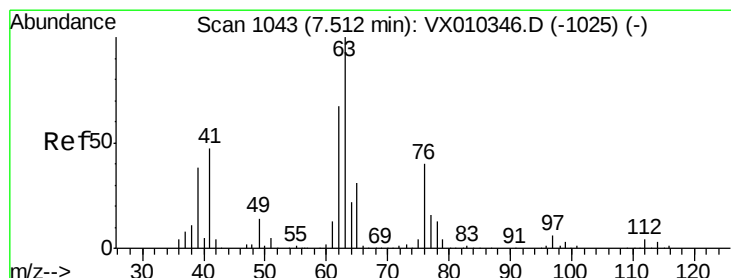
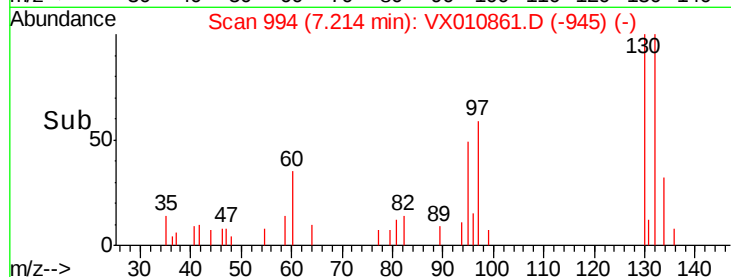
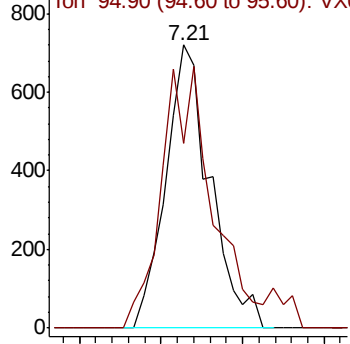
#44
 Trichloroethene
 Concen: 0.482 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX010861.D
 Acq: 13 Jul 2019 01:22

Instrument :
 MSVOA_X
 ClientSampleId :
 FL- 0594

Tot Ion:130 Resp: 1358
 Ion Ratio Lower Upper
 130 100
 95 65.1 0.0 180.8

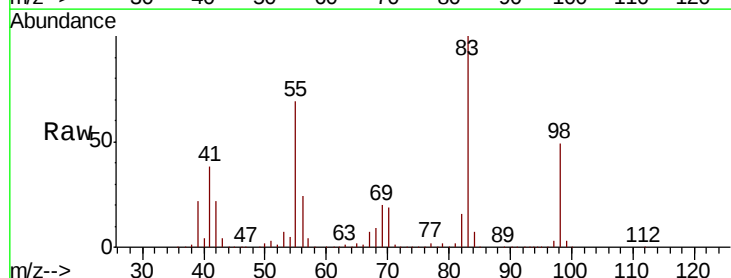


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

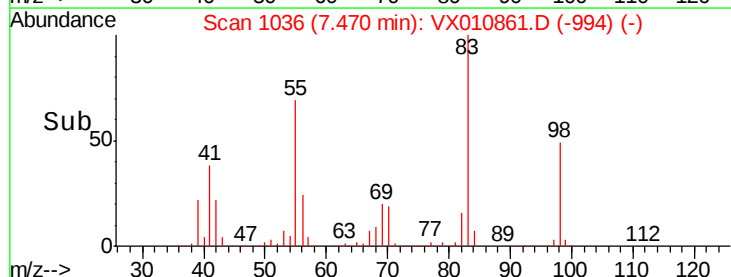
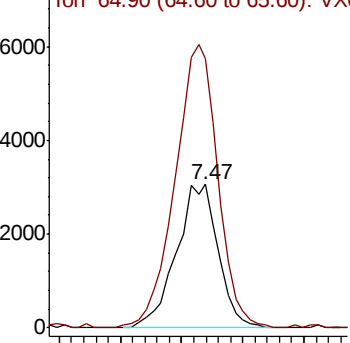


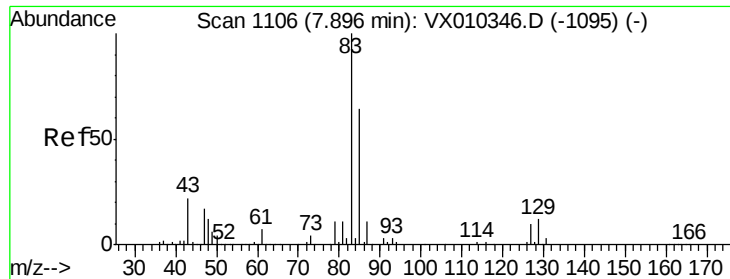
#45
 1,2-Dichloropropane
 Concen: 3.052 ug/l
 RT: 7.47 min Scan# 1036
 Delta R.T. -0.04 min
 Lab File: VX010861.D
 Acq: 13 Jul 2019 01:22

Tgt Ion: 63 Resp: 7262
 Ion Ratio Lower Upper
 63 100
 65 187.5 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: 0.467 ug/l

RT: 7.85 min Scan# 1098

Delta R.T. -0.05 min

Lab File: VX010861.D

Acq: 13 Jul 2019 01:22

Instrument :

MSVOA_X

ClientSampleId :

FL- 0594

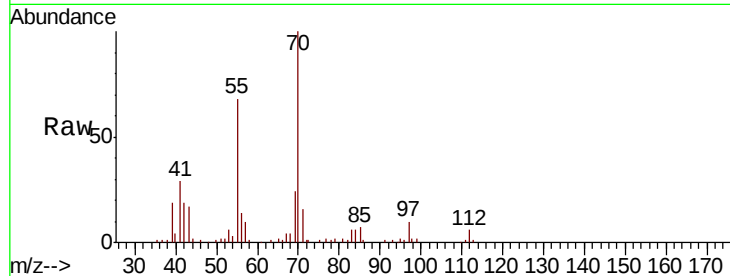
Tot Ion: 83 Resp: 1460

Ion Ratio Lower Upper

83 100

85 116.9 51.5 77.3#

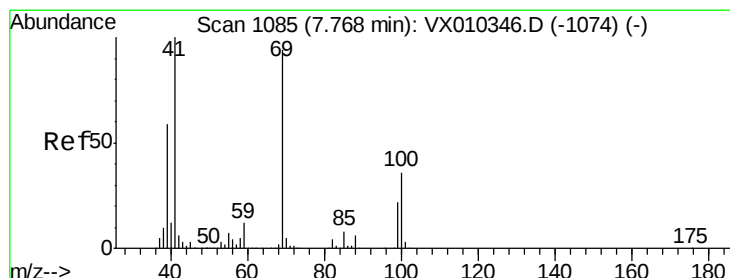
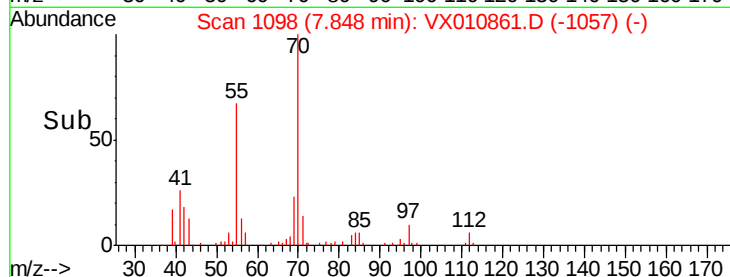
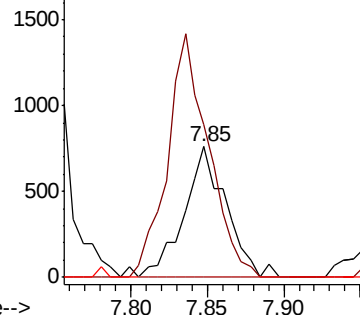
127 0.0 7.8 11.8#



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

Methyl methacrylate

Concen: 19.417 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.04 min

Lab File: VX010861.D

Acq: 13 Jul 2019 01:22

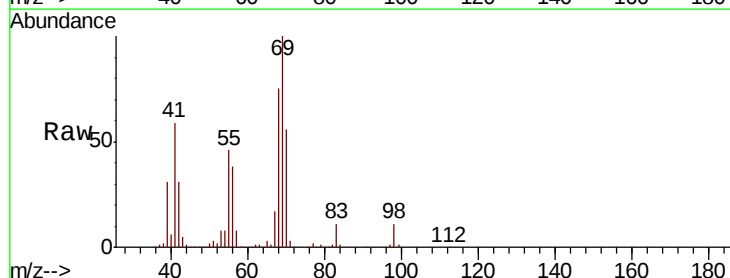
Tgt Ion: 41 Resp: 46457

Ion Ratio Lower Upper

41 100

69 163.3 76.1 114.1#

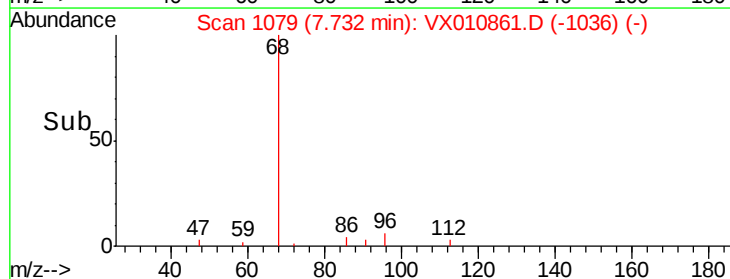
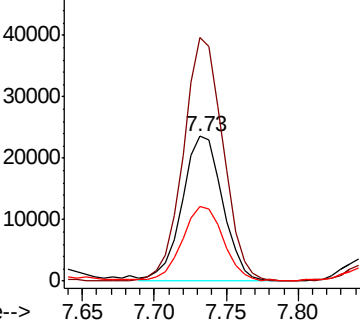
39 51.1 47.6 71.4

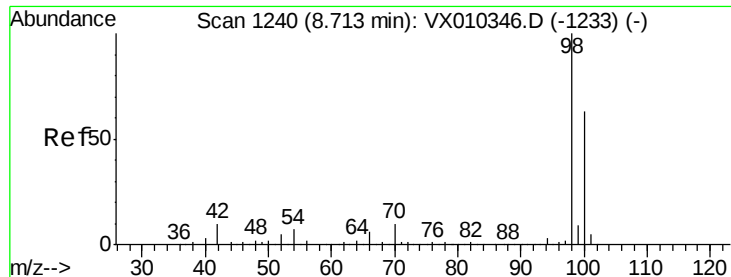


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#50

Toluene-d8

Concen: 51.918 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010861.D

Acq: 13 Jul 2019 01:22

Instrument :

MSVOA_X

ClientSampleId :

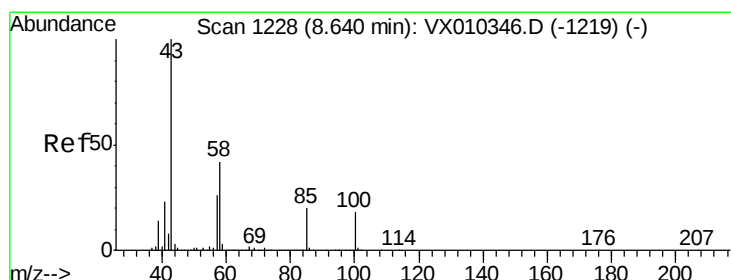
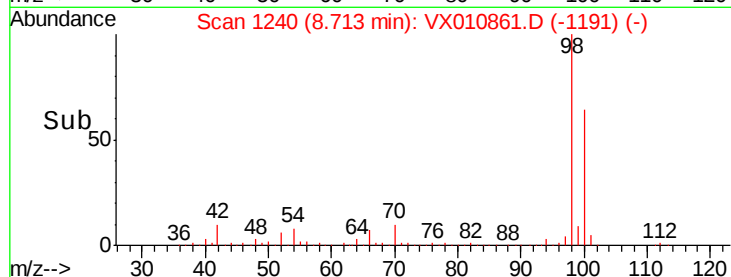
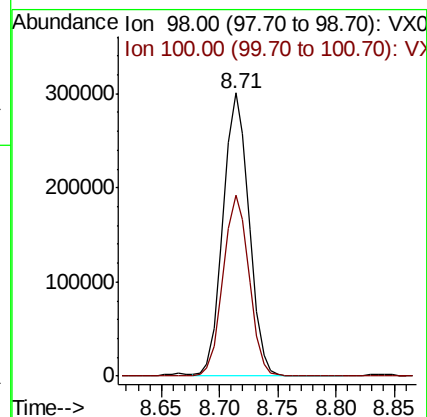
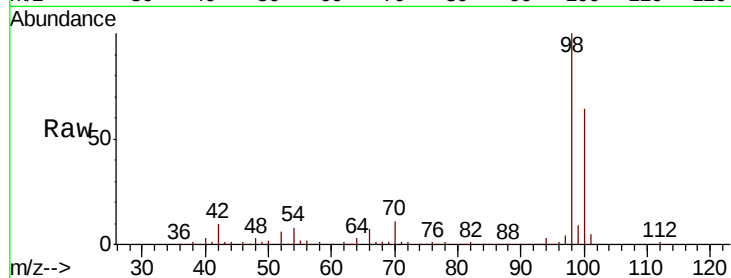
FL- 0594

Tot Ion: 98 Resp: 462509

Ion Ratio Lower Upper

98 100

100 64.1 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 1.768 ug/l

RT: 8.66 min Scan# 1232

Delta R.T. 0.02 min

Lab File: VX010861.D

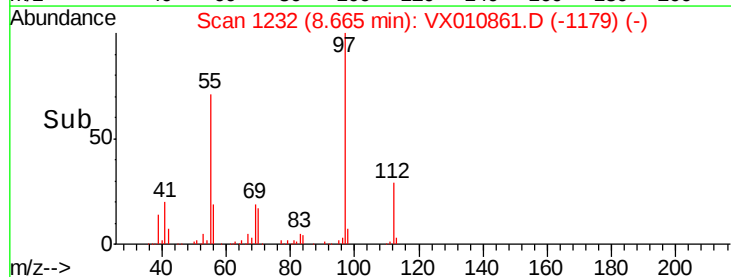
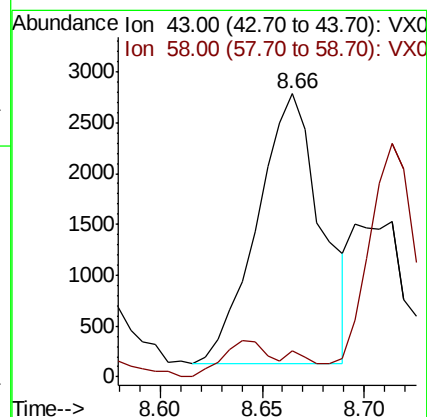
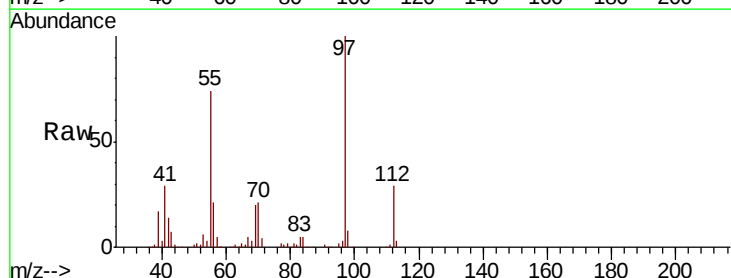
Acq: 13 Jul 2019 01:22

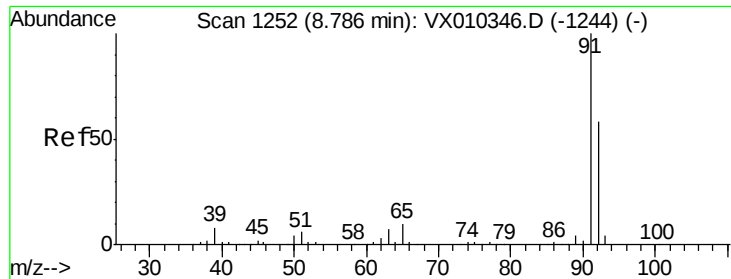
Tgt Ion: 43 Resp: 5821

Ion Ratio Lower Upper

43 100

58 0.0 33.5 50.3#





#52

Toluene

Concen: 1.055 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX010861.D

Acq: 13 Jul 2019 01:22

Instrument :

MSVOA_X

ClientSampleId :

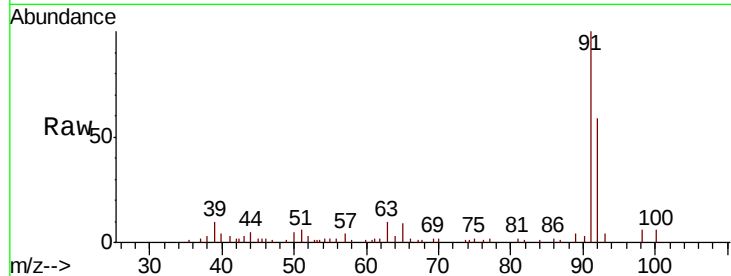
FL- 0594

Tot Ion: 92 Resp: 6546

Ion Ratio Lower Upper

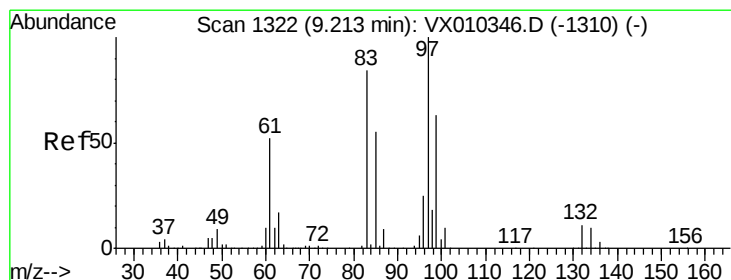
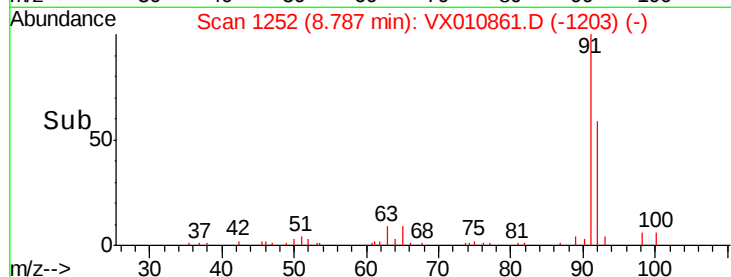
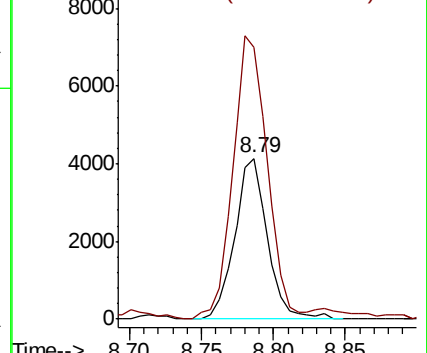
92 100

91 184.9 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#55

1,1,2-Trichloroethane

Concen: 12.887 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX010861.D

Acq: 13 Jul 2019 01:22

Tgt Ion: 97 Resp: 32978

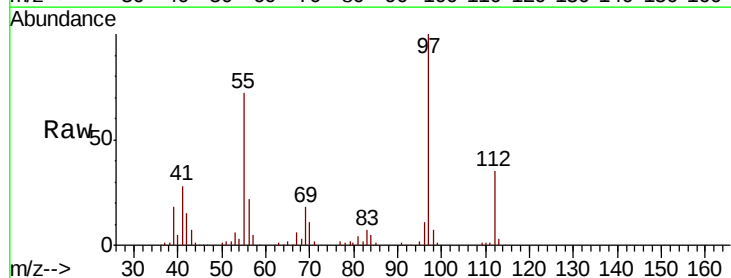
Ion Ratio Lower Upper

97 100

83 6.9 67.4 101.0#

85 0.7 43.8 65.8#

99 0.5 50.3 75.5#

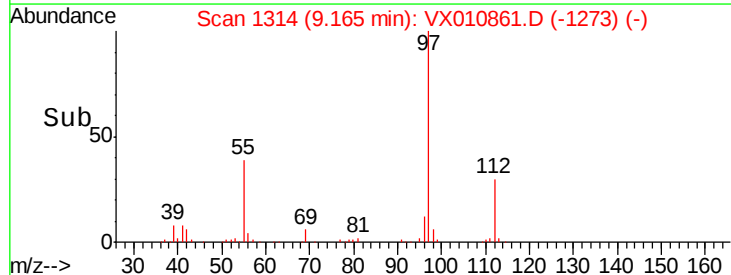
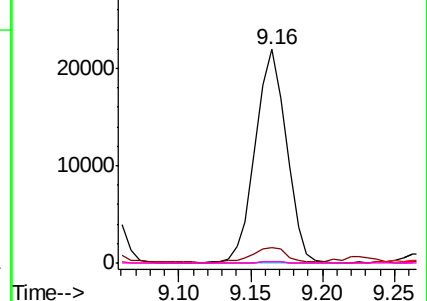


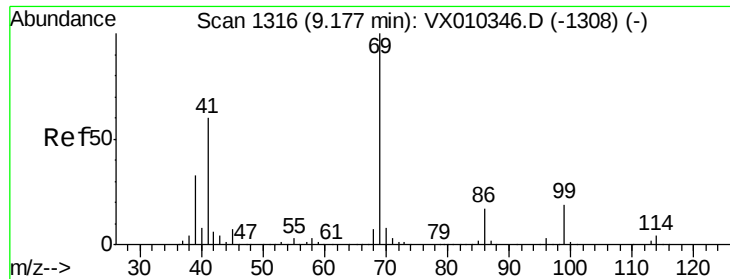
Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0





#56

Ethyl methacrylate

Concen: 1.755 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VX010861.D

Acq: 13 Jul 2019 01:22

Instrument :

MSVOA_X

ClientSampled :

FL- 0594

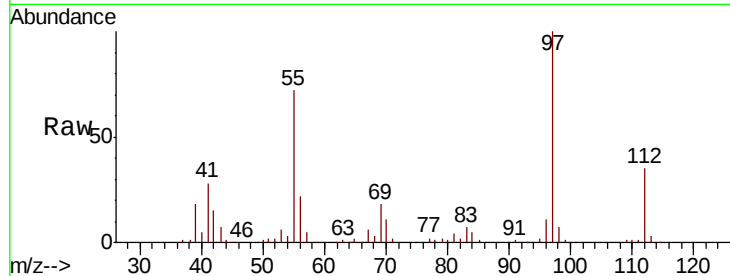
Tot Ion: 69 Resp: 6803

Ion Ratio Lower Upper

69 100

41 155.0 47.1 70.7#

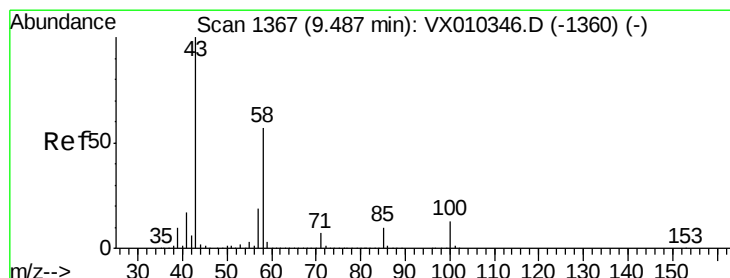
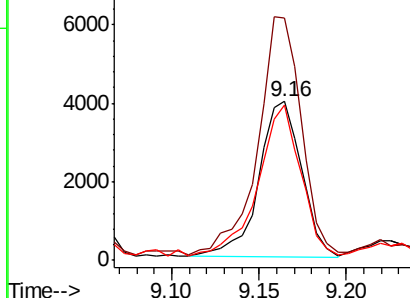
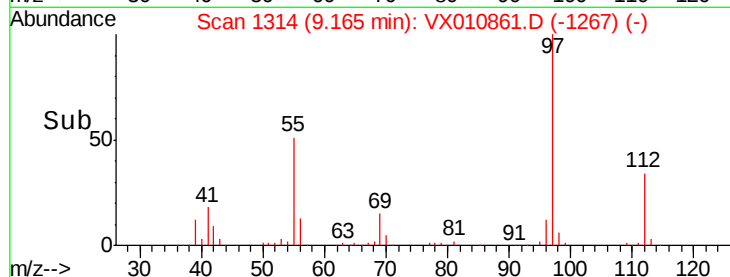
39 95.5 26.6 40.0#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#59

2-Hexanone

Concen: 0.311 ug/l

RT: 9.50 min Scan# 1369

Delta R.T. 0.01 min

Lab File: VX010861.D

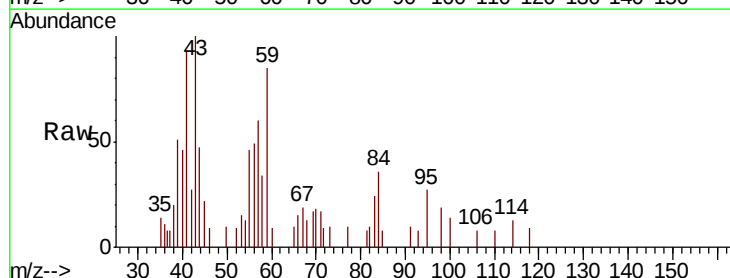
Acq: 13 Jul 2019 01:22

Tgt Ion: 43 Resp: 806

Ion Ratio Lower Upper

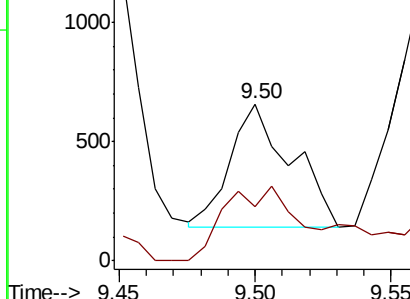
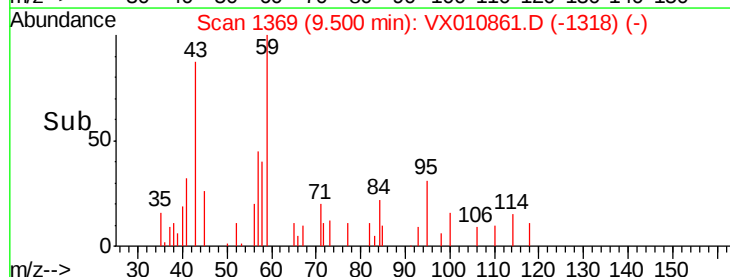
43 100

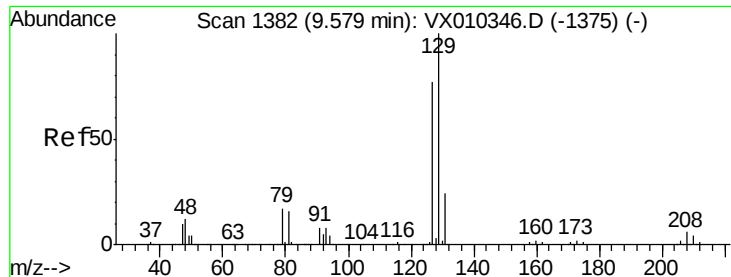
58 72.1 29.0 87.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

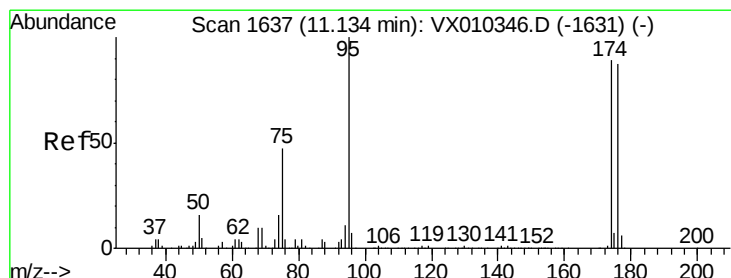
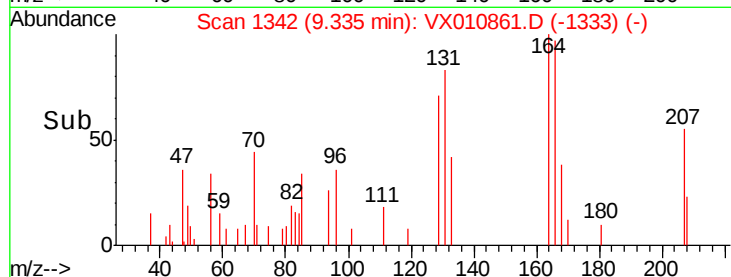
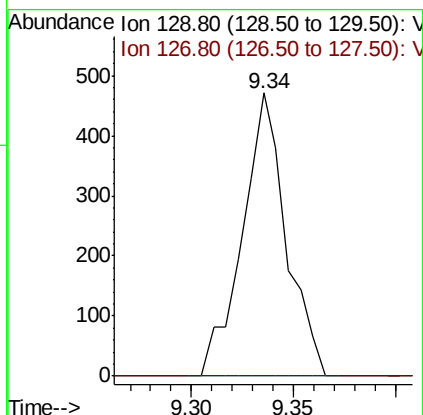
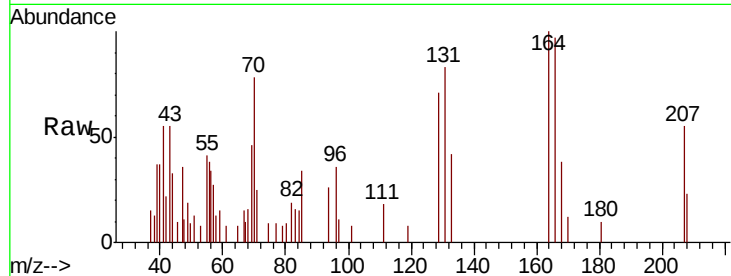




#60
 Dibromochloromethane
 Concen: 0.246 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.24 min
 Lab File: VX010861.D
 Acq: 13 Jul 2019 01:22

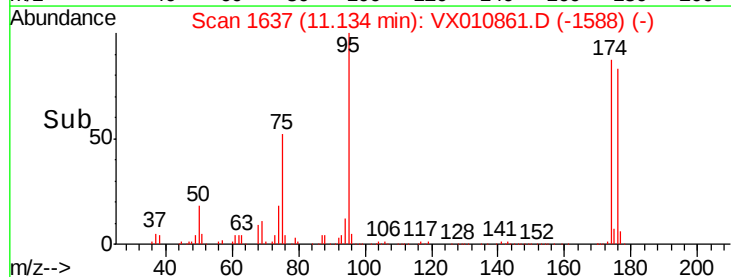
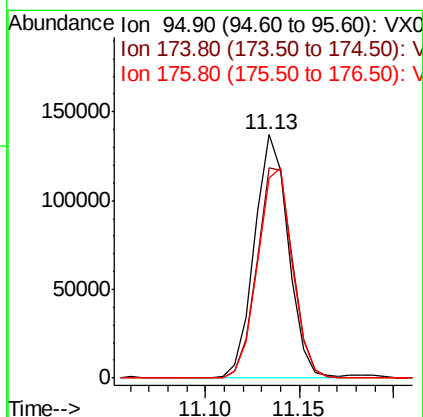
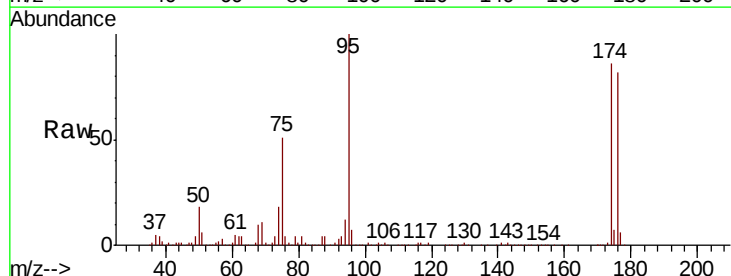
Instrument :
 MSVOA_X
 ClientSampled :
 FL- 0594

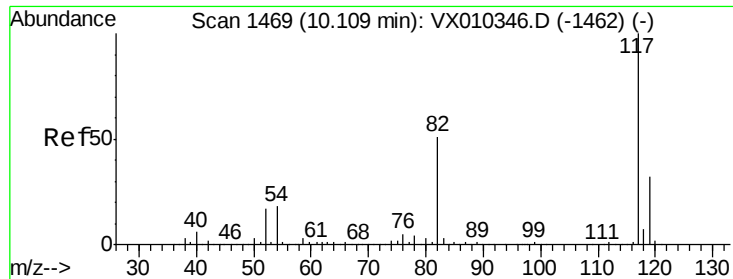
Tot Ion:129 Resp: 704
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.4 115.1#



#62
 4-Bromofluorobenzene
 Concen: 53.146 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX010861.D
 Acq: 13 Jul 2019 01:22

Tgt Ion: 95 Resp: 170927
 Ion Ratio Lower Upper
 95 100
 174 91.0 0.0 187.6
 176 88.5 0.0 184.0

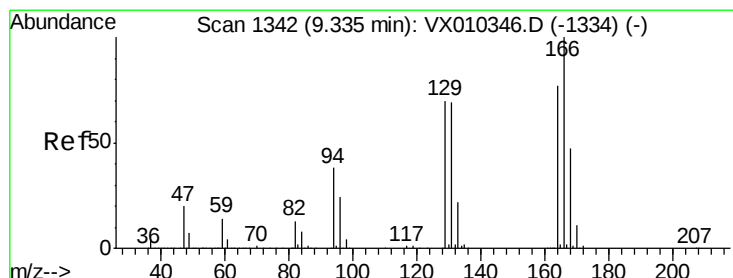
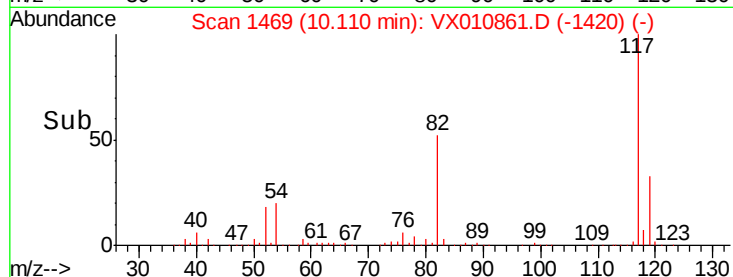
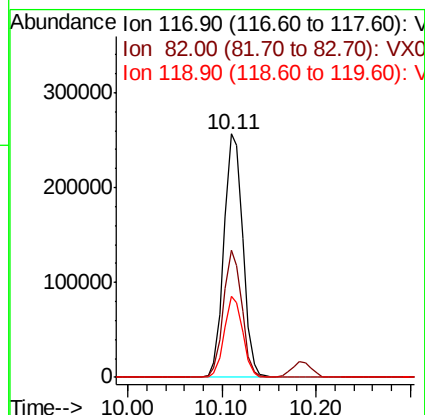
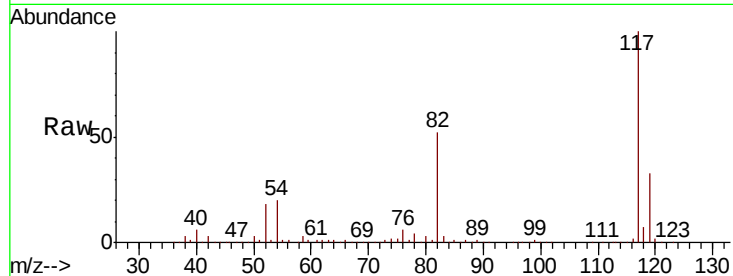




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010861.D
Acq: 13 Jul 2019 01:22

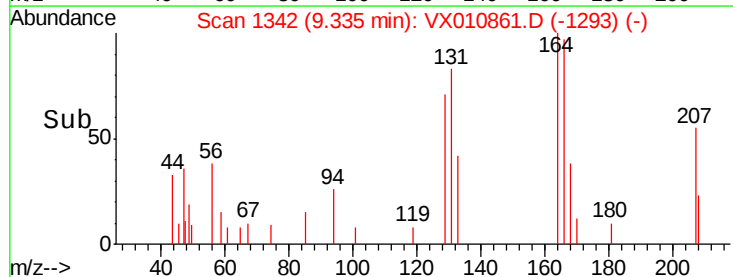
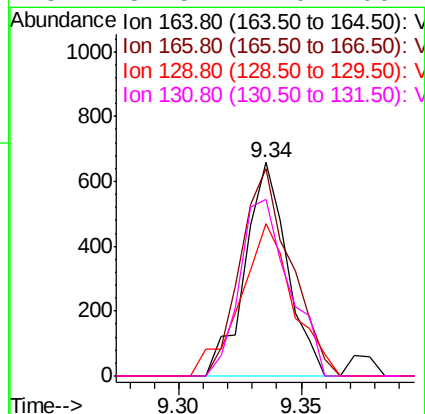
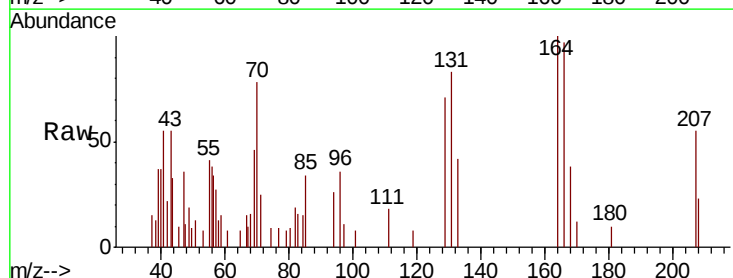
Instrument :
MSVOA_X
ClientSampleId :
FL- 0594

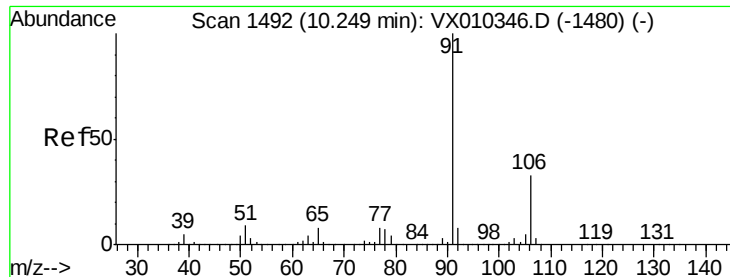
Tot Ion:117 Resp: 357317
Ion Ratio Lower Upper
117 100
82 52.0 41.2 61.8
119 33.4 25.5 38.3



#64
Tetrachloroethene
Concen: 0.274 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010861.D
Acq: 13 Jul 2019 01:22

Tgt Ion:164 Resp: 791
Ion Ratio Lower Upper
164 100
166 96.8 103.6 155.4#
129 71.5 73.0 109.4#
131 82.5 71.0 106.4

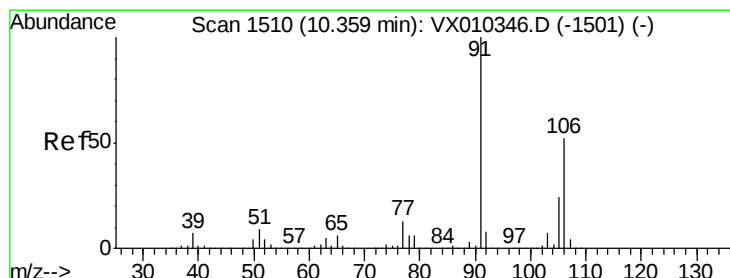
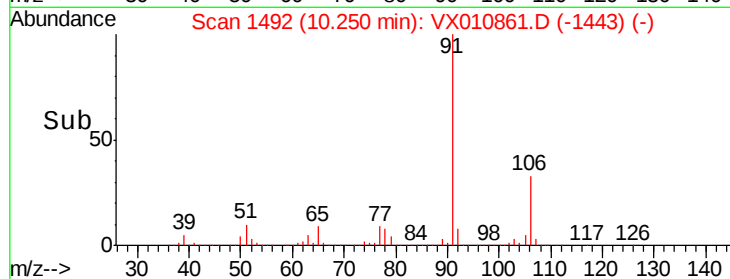
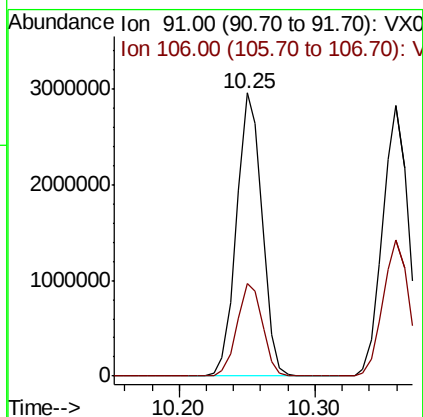
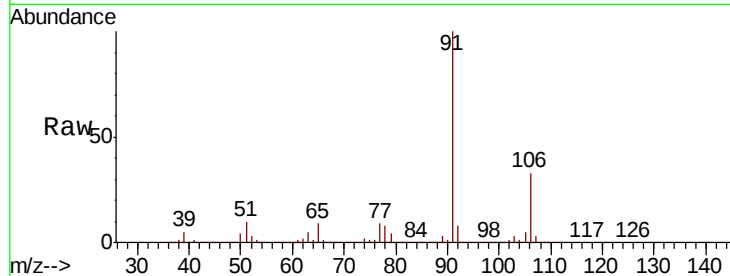




#67
Ethyl Benzene
Concen: 313.742 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010861.D
Acq: 13 Jul 2019 01:22

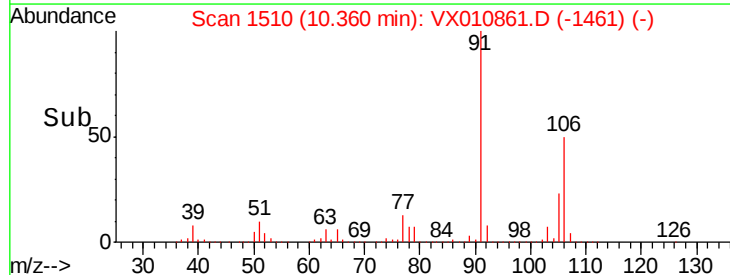
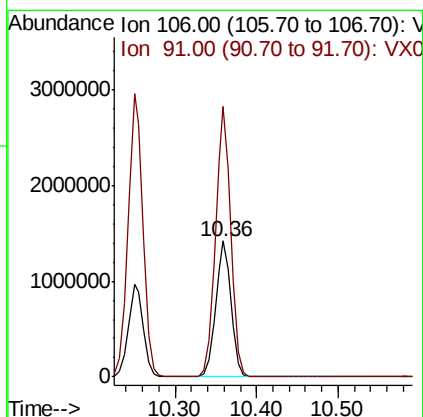
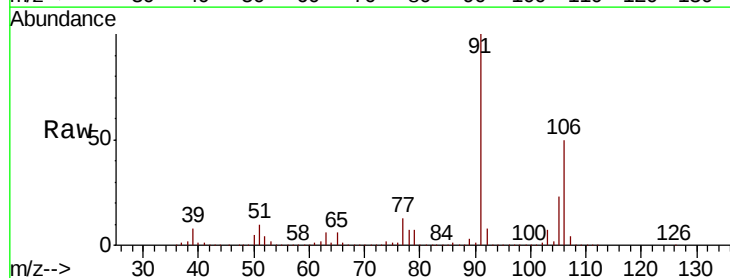
Instrument :
MSVOA_X
ClientSampleId :
FL- 0594

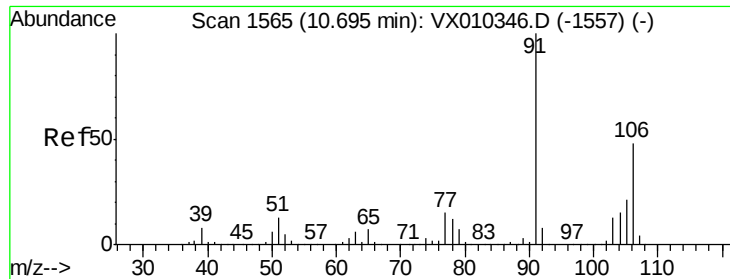
Tot Ion: 91 Resp: 3842307
Ion Ratio Lower Upper
91 100
106 32.6 26.2 39.2



#68
m/p-Xylenes
Concen: 395.813 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010861.D
Acq: 13 Jul 2019 01:22

Tgt Ion: 106 Resp: 1878250
Ion Ratio Lower Upper
106 100
91 198.6 155.3 232.9

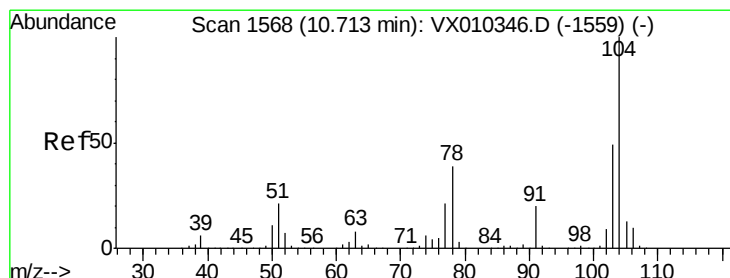
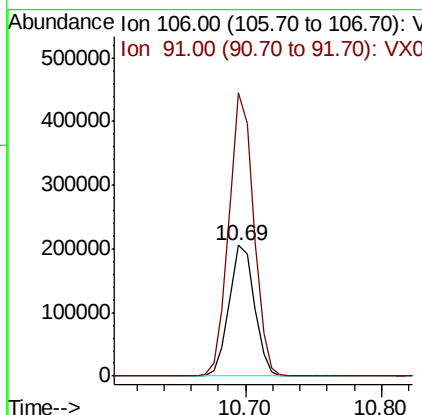
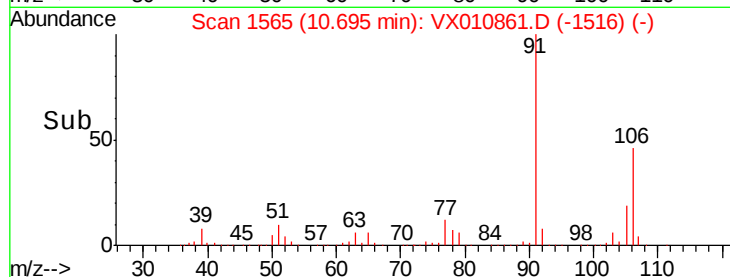
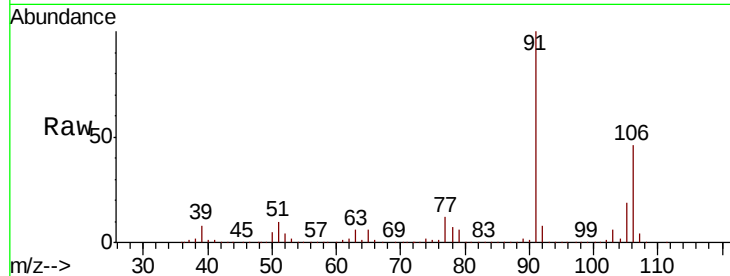




#69
o-Xylene
Concen: 57.363 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010861.D
Acq: 13 Jul 2019 01:22

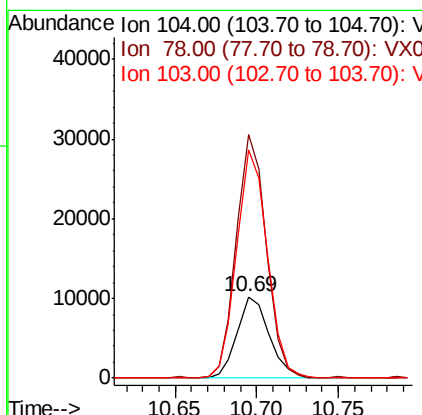
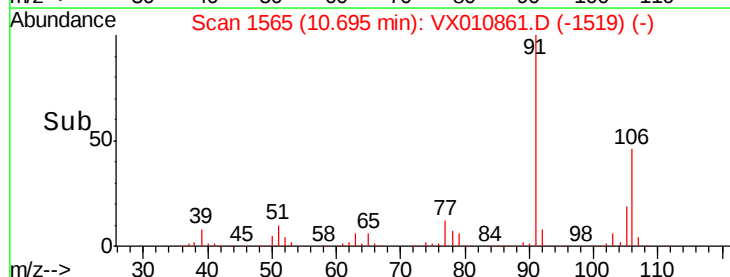
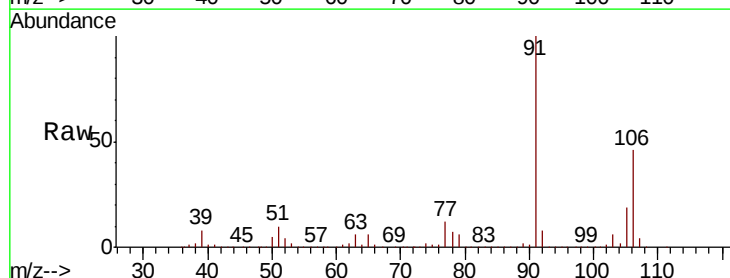
Instrument :
MSVOA_X
ClientSampled :
FL- 0594

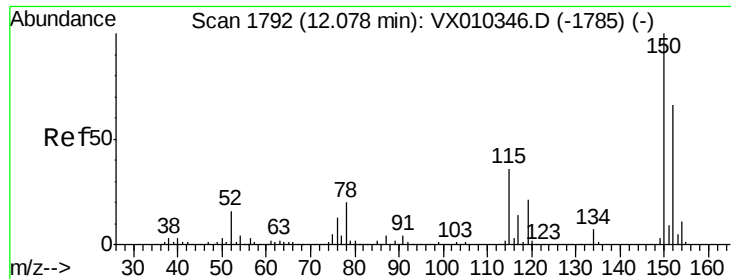
Tot Ion:106 Resp: 267689
Ion Ratio Lower Upper
106 100
91 211.3 102.7 308.1



#70
Styrene
Concen: 1.813 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.02 min
Lab File: VX010861.D
Acq: 13 Jul 2019 01:22

Tgt Ion:104 Resp: 14185
Ion Ratio Lower Upper
104 100
78 274.5 36.2 54.2#
103 266.6 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: VX010861.D

Acq: 13 Jul 2019 01:22

Instrument :

MSVOA_X

ClientSampled :

FL- 0594

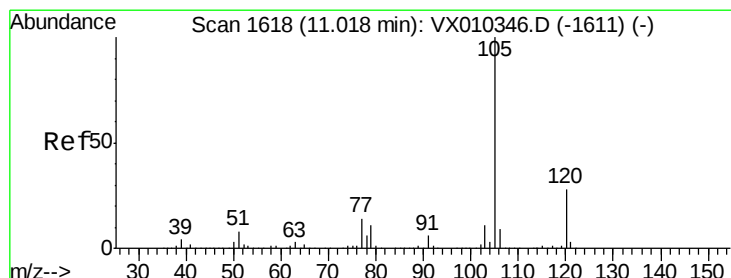
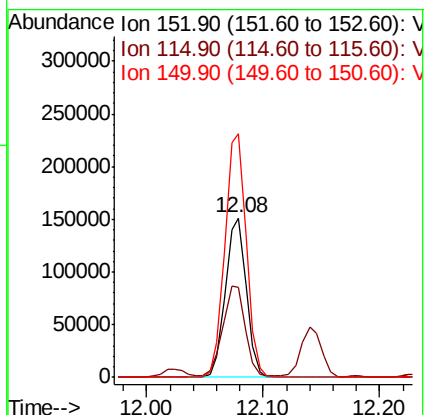
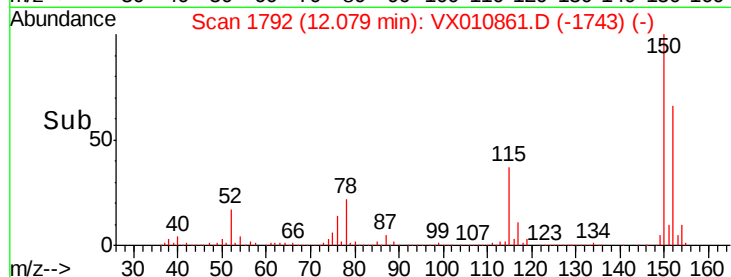
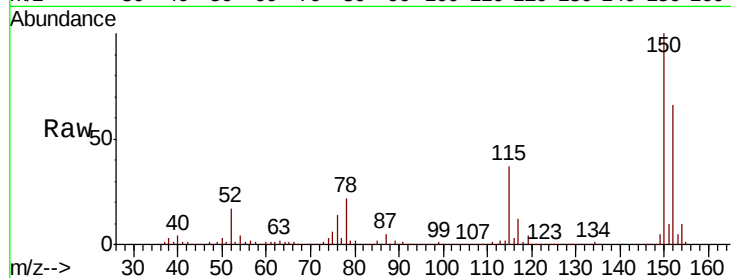
Tot Ion:152 Resp: 187927

Ion Ratio Lower Upper

152 100

115 61.8 38.6 115.7

150 156.3 0.0 347.4



#73

Isopropylbenzene

Concen: 30.247 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010861.D

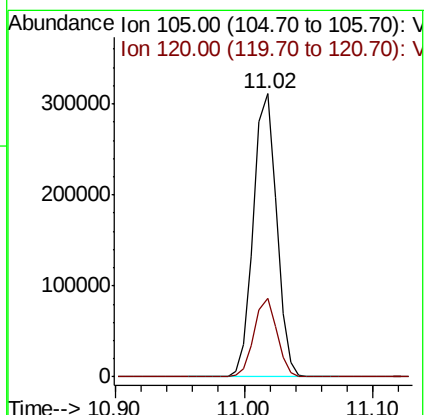
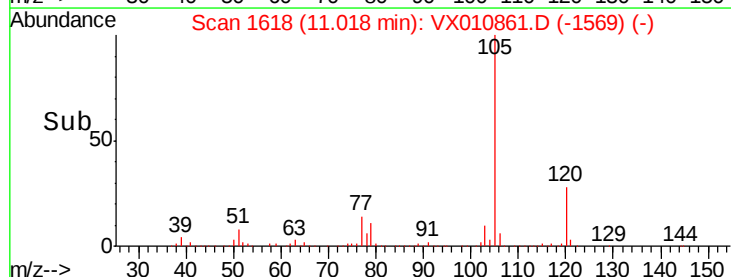
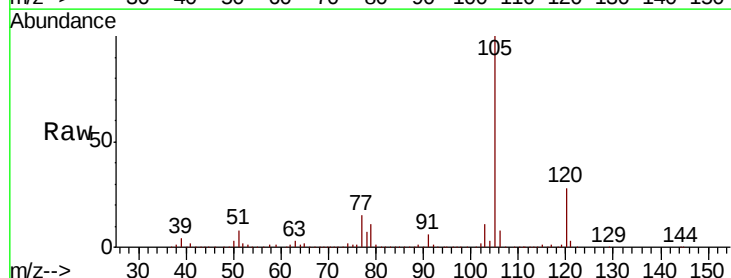
Acq: 13 Jul 2019 01:22

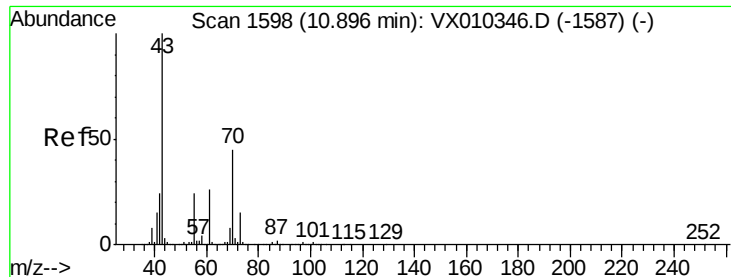
Tgt Ion:105 Resp: 385321

Ion Ratio Lower Upper

105 100

120 27.3 14.1 42.4





#74

N-amvl acetate

Concen: 0.245 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX010861.D

Acq: 13 Jul 2019 01:22

Instrument :

MSVOA_X

ClientSampled :

FL- 0594

Tot Ion: 43 Resp: 1181

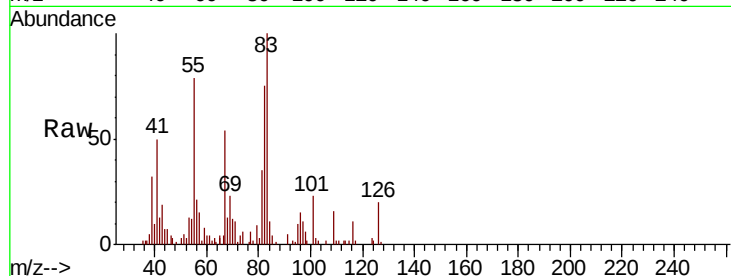
Ion Ratio Lower Upper

43 100

70 117.3 36.6 54.8#

55 521.6 18.7 28.1#

61 38.1 20.6 31.0#

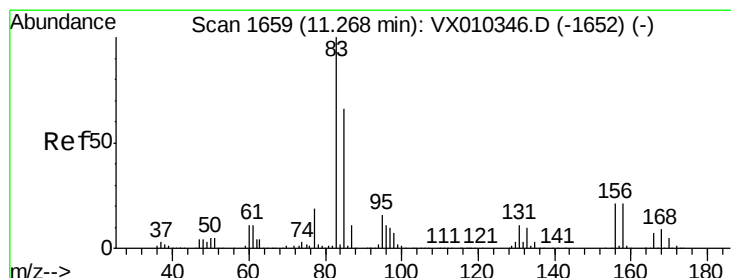
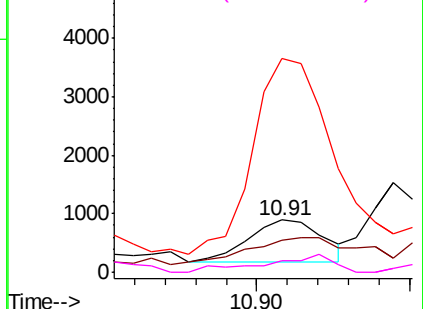
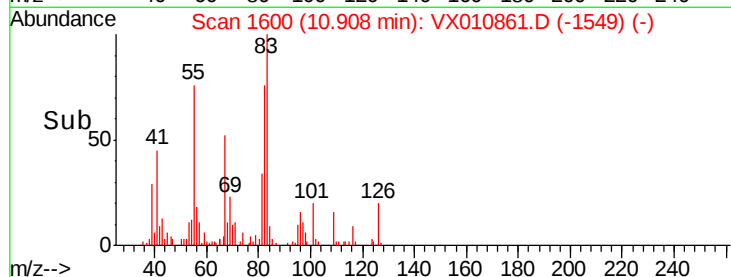


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 0.419 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX010861.D

Acq: 13 Jul 2019 01:22

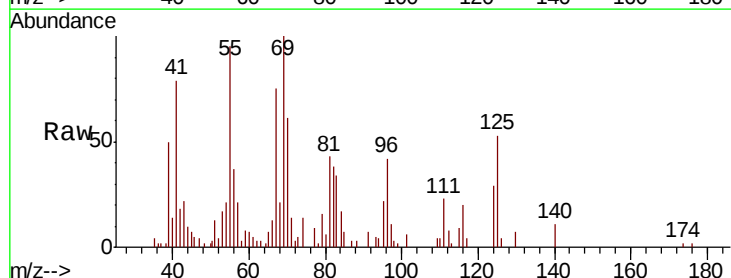
Tgt Ion: 83 Resp: 1768

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

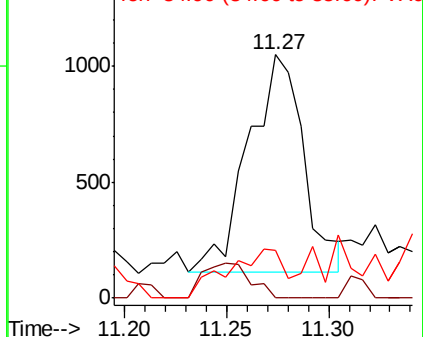
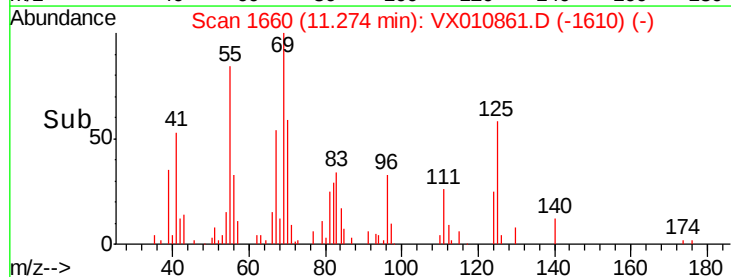
85 22.8 32.3 96.8#

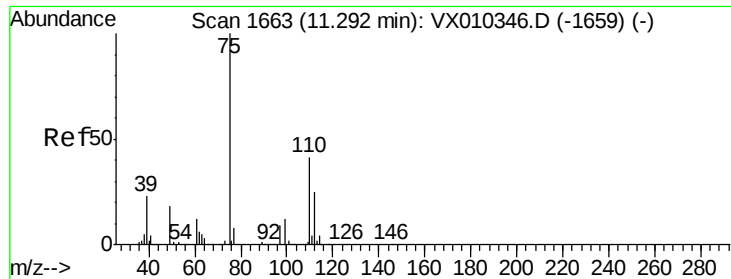


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 1.206 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.07 min

Lab File: VX010861.D

Acq: 13 Jul 2019 01:22

Instrument :

MSVOA_X

ClientSampled :

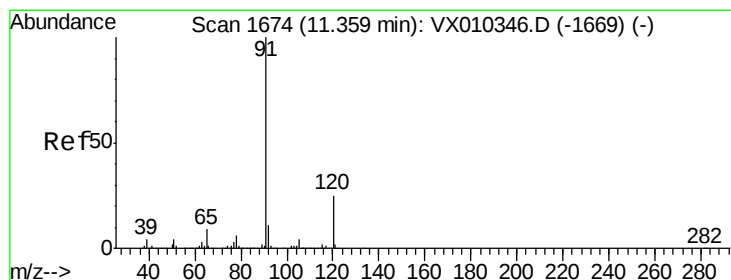
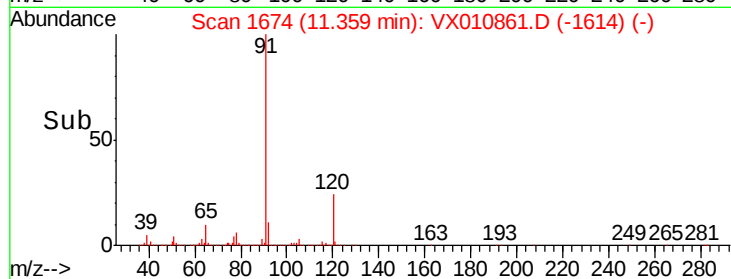
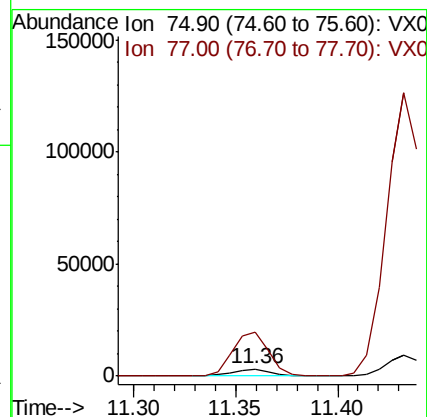
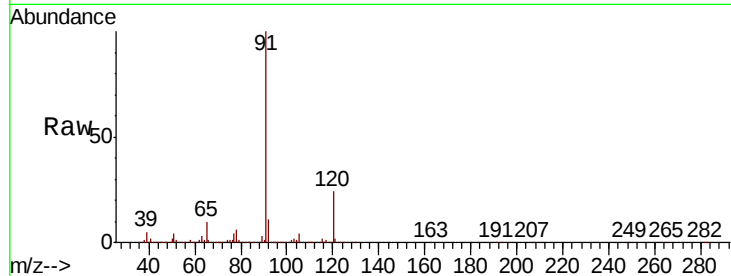
FL- 0594

Tot Ion: 75 Resp: 4131

Ion Ratio Lower Upper

75 100

77 587.1 22.6 67.8#



#78

n-propylbenzene

Concen: 46.141 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010861.D

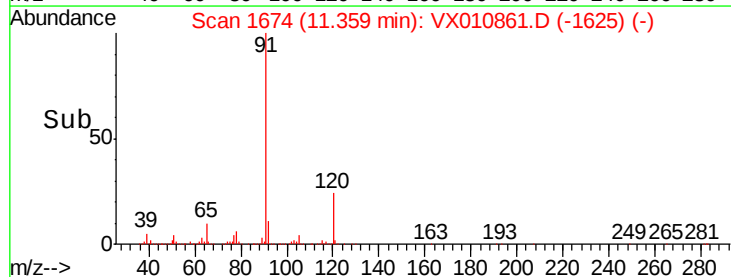
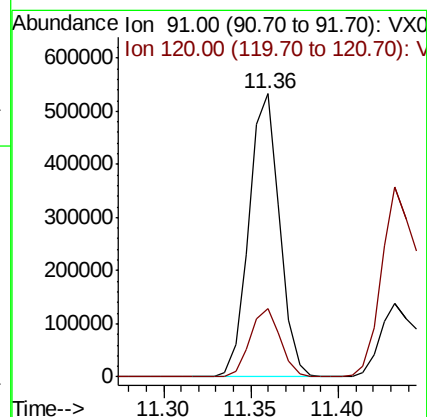
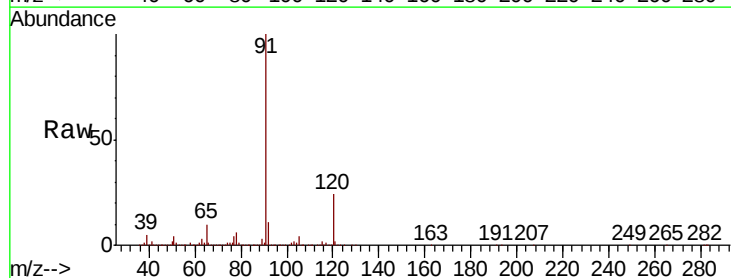
Acq: 13 Jul 2019 01:22

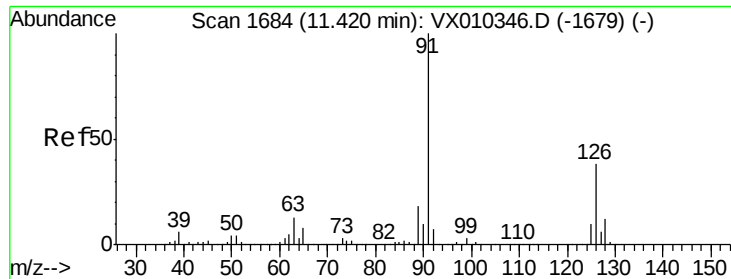
Tgt Ion: 91 Resp: 646012

Ion Ratio Lower Upper

91 100

120 24.1 12.4 37.4

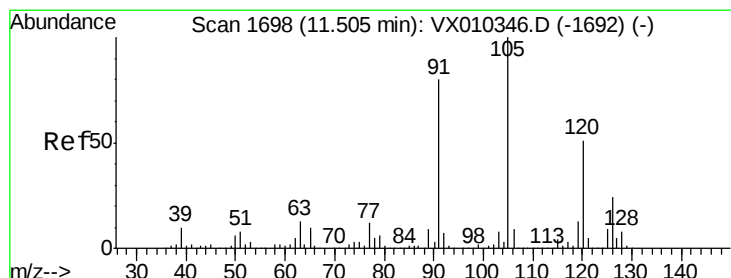
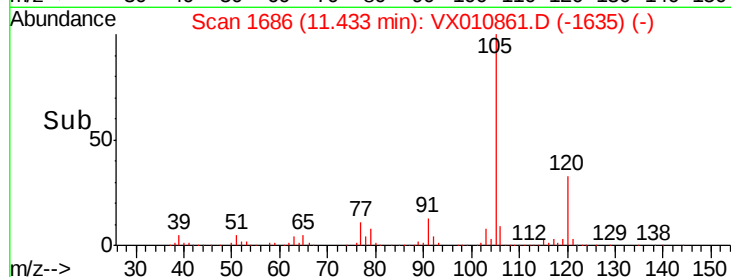
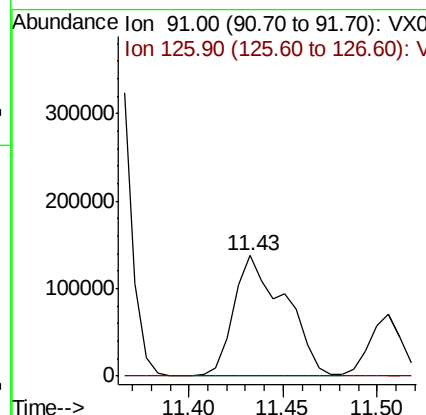
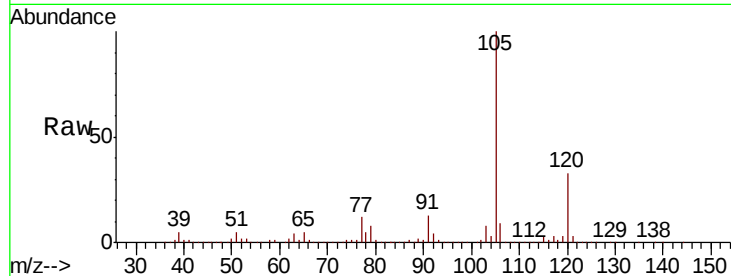




#79
 2-Chlorotoluene
 Concen: 31.216 ug/l
 RT: 11.43 min Scan# 1686
 Delta R.T. 0.01 min
 Lab File: VX010861.D
 Acq: 13 Jul 2019 01:22

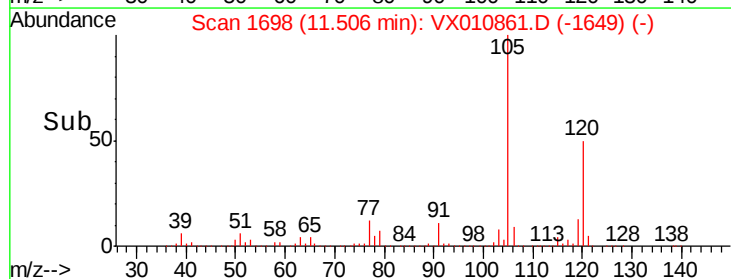
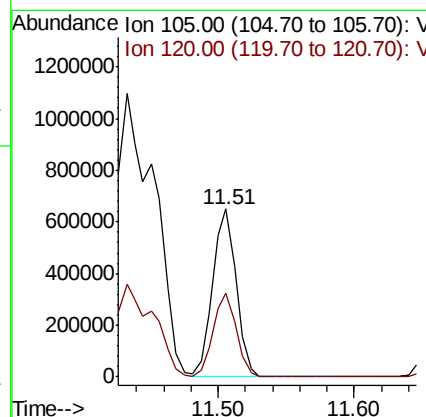
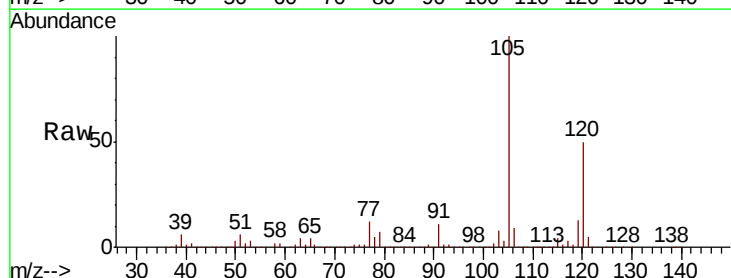
Instrument :
 MSVOA_X
 ClientSampled :
 FL- 0594

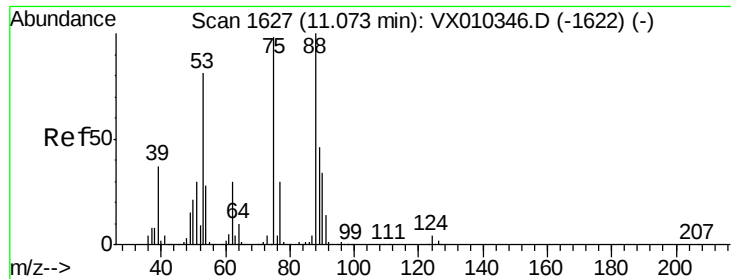
Tot Ion: 91 Resp: 260254
 Ion Ratio Lower Upper
 91 100
 126 0.1 18.7 56.1#



#80
 1,3,5-Trimethylbenzene
 Concen: 74.021 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX010861.D
 Acq: 13 Jul 2019 01:22

Tgt Ion:105 Resp: 777363
 Ion Ratio Lower Upper
 105 100
 120 49.2 25.2 75.6

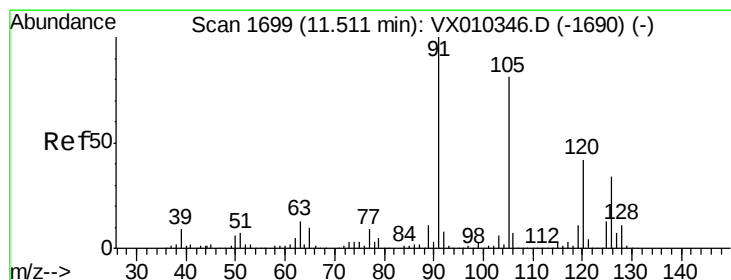
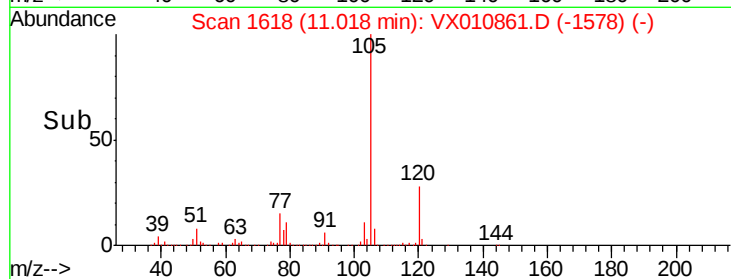
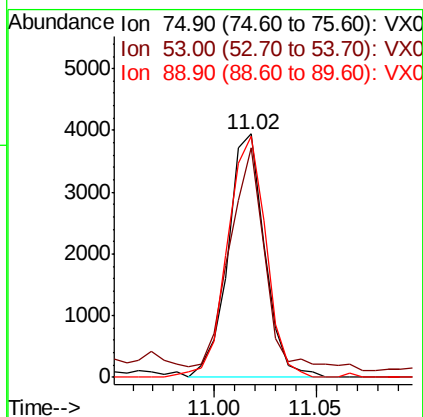
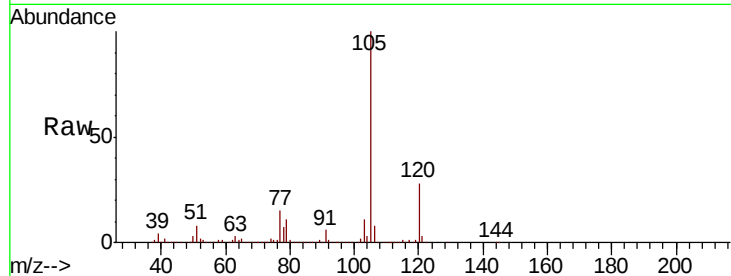




#81
trans-1,4-Dichloro-2-butene
Concen: 3.338 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.05 min
Lab File: VX010861.D
Acq: 13 Jul 2019 01:22

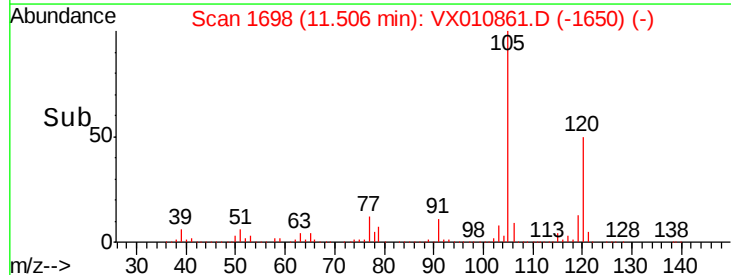
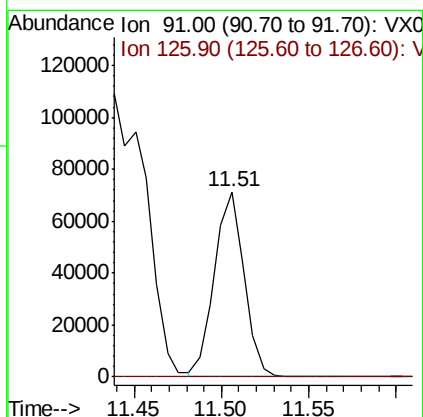
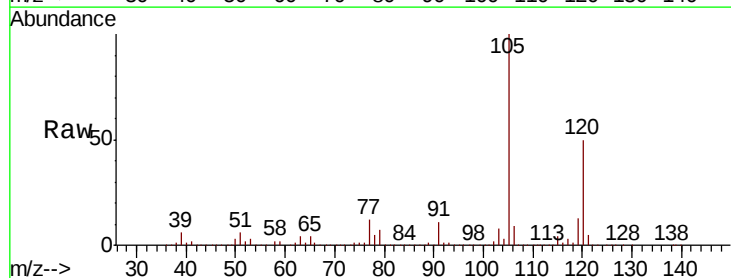
Instrument :
MSVOA_X
ClientSampleId :
FL- 0594

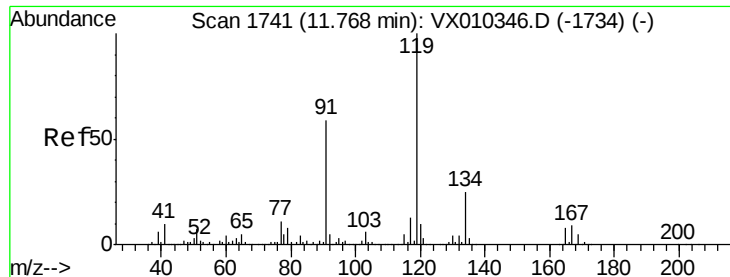
Tot Ion: 75 Resp: 4900
Ion Ratio Lower Upper
75 100
53 90.6 66.1 99.1
89 104.1 37.8 56.6#



#82
4-Chlorotoluene
Concen: 8.843 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX010861.D
Acq: 13 Jul 2019 01:22

Tgt Ion: 91 Resp: 83890
Ion Ratio Lower Upper
91 100
126 0.1 16.2 48.6#

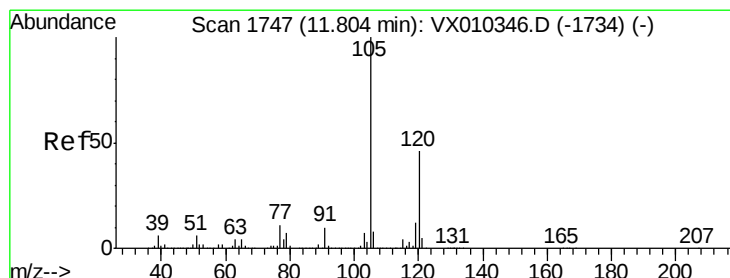
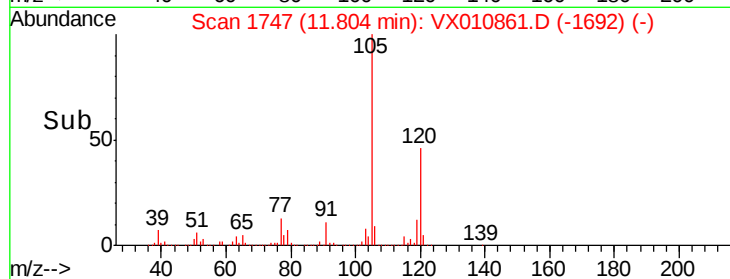
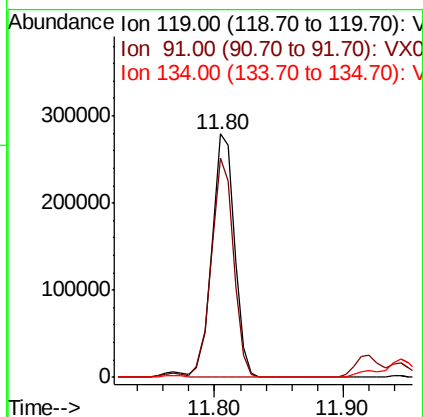
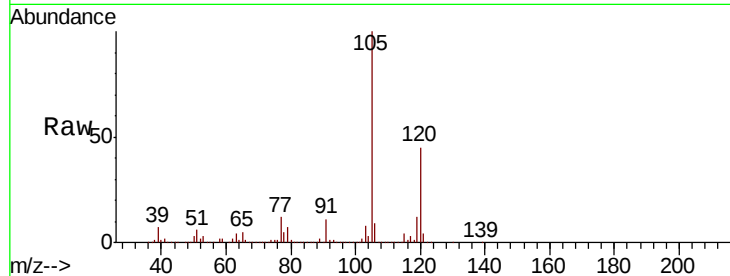




#83
 tert-Butylbenzene
 Concen: 32.779 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.04 min
 Lab File: VX010861.D
 Acq: 13 Jul 2019 01:22

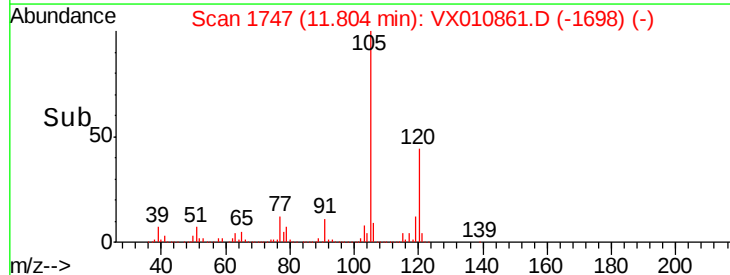
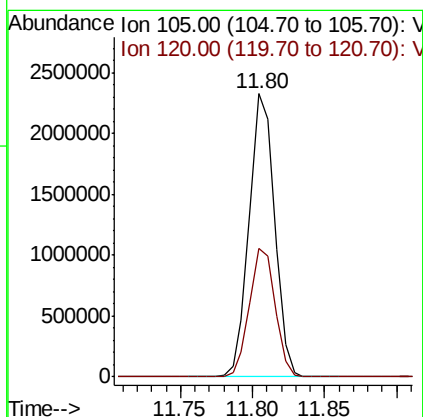
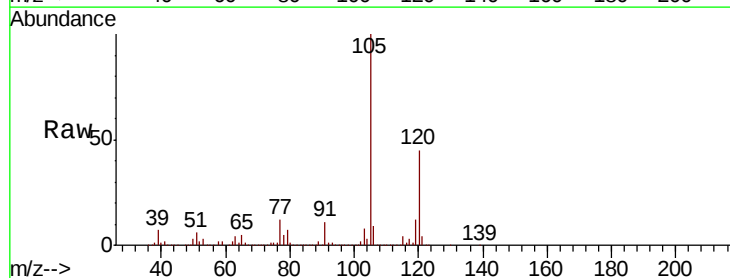
Instrument :
 MSVOA_X
 ClientSampled :
 FL- 0594

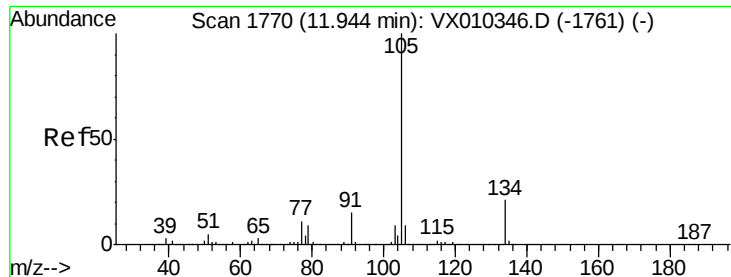
Tot Ion:119 Resp: 345507
 Ion Ratio Lower Upper
 119 100
 91 89.7 27.6 82.7#
 134 0.0 11.8 35.4#



#84
 1,2,4-Trimethylbenzene
 Concen: 268.212 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010861.D
 Acq: 13 Jul 2019 01:22

Tgt Ion:105 Resp: 2829937
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.1 69.2

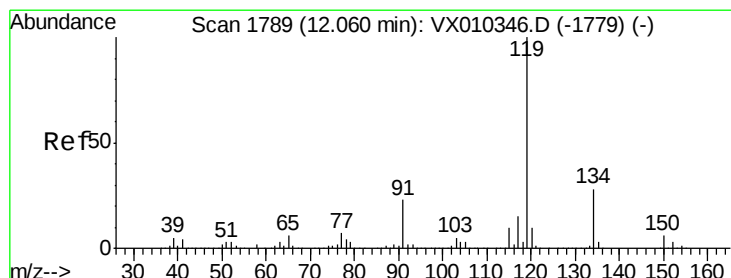
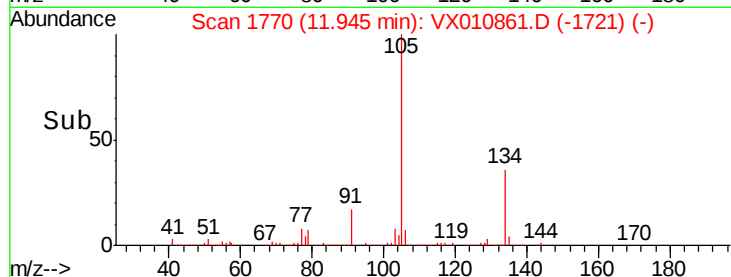
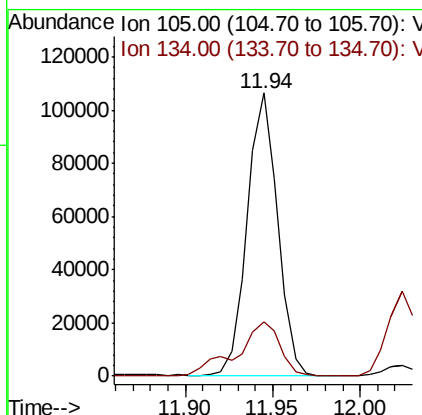
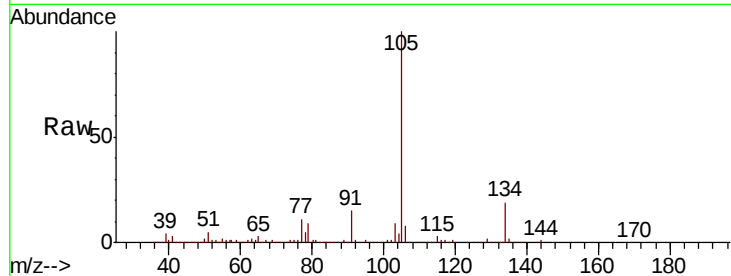




#85
 sec-Butylbenzene
 Concen: 10.347 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX010861.D
 Acq: 13 Jul 2019 01:22

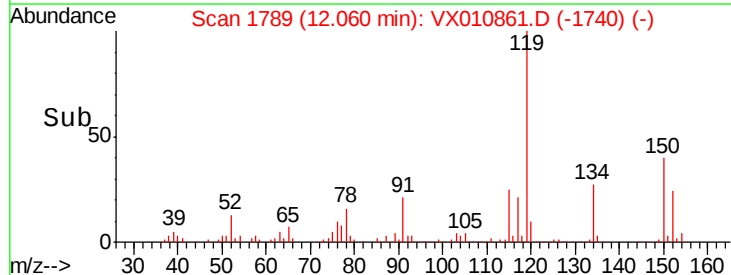
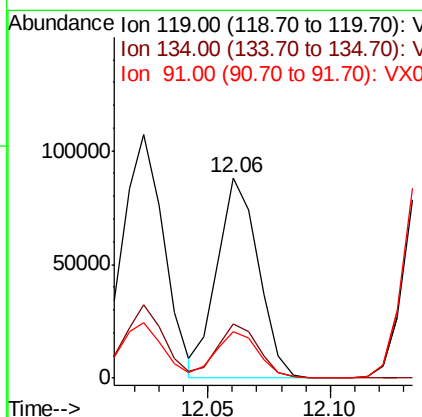
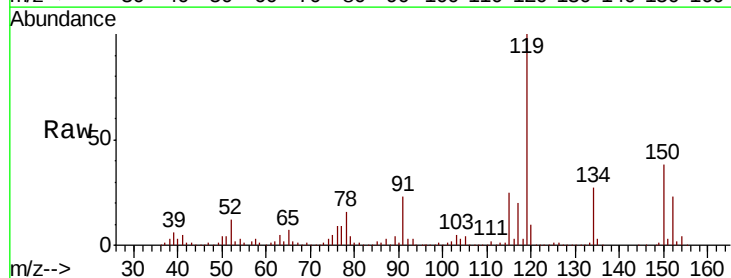
Instrument :
 MSVOA_X
 ClientSampled :
 FL- 0594

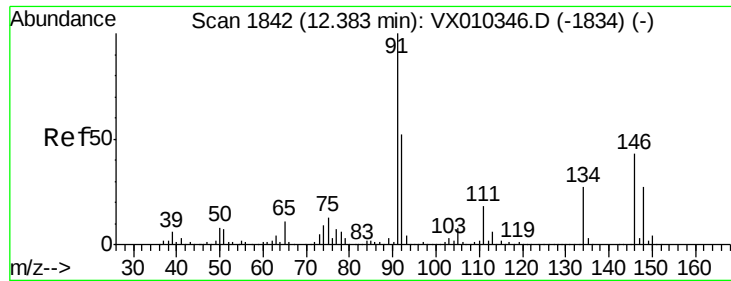
Tot Ion:105 Resp: 128050
 Ion Ratio Lower Upper
 105 100
 134 27.5 10.7 31.9



#86
 p-Isopropyltoluene
 Concen: 9.003 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX010861.D
 Acq: 13 Jul 2019 01:22

Tgt Ion:119 Resp: 103057
 Ion Ratio Lower Upper
 119 100
 134 27.4 13.7 41.1
 91 23.9 11.3 33.8

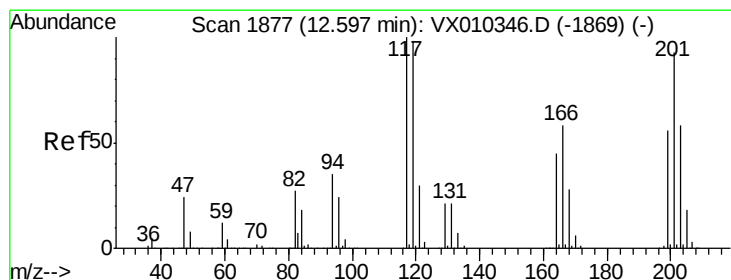
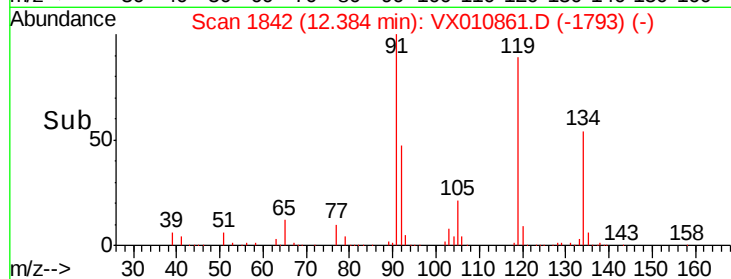
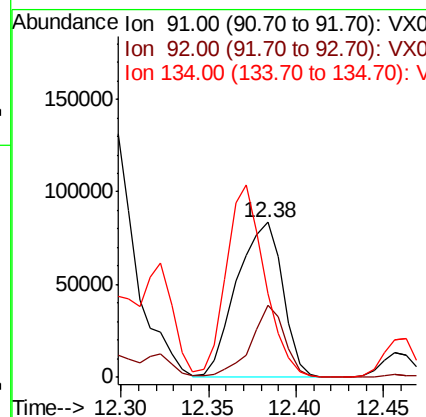
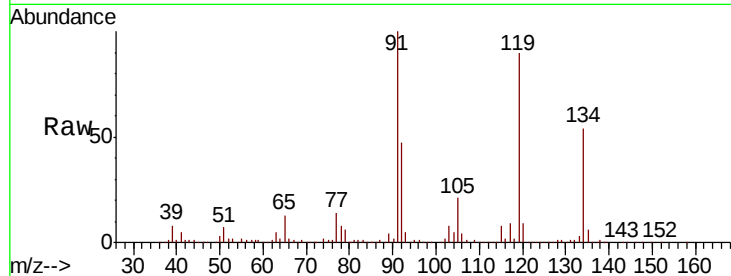




#89
n-Butylbenzene
Concen: 15.667 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010861.D
Acq: 13 Jul 2019 01:22

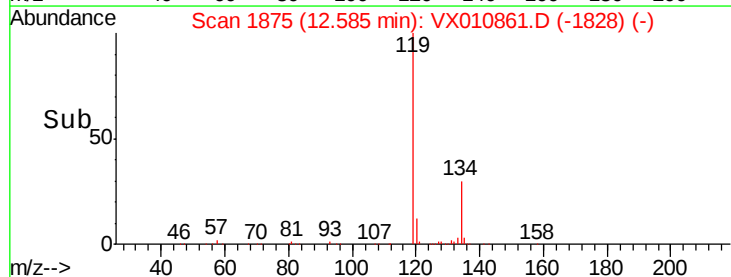
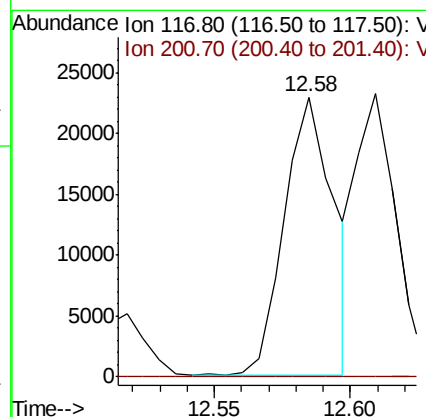
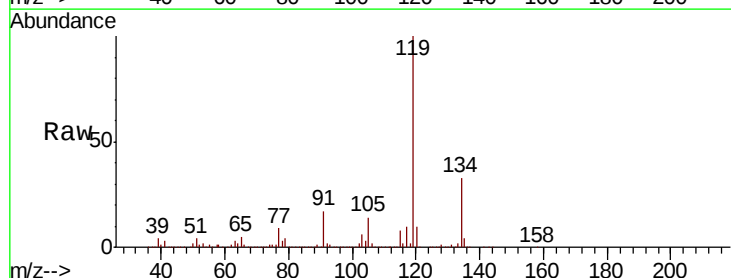
Instrument :
MSVOA_X
ClientSampleId :
FL- 0594

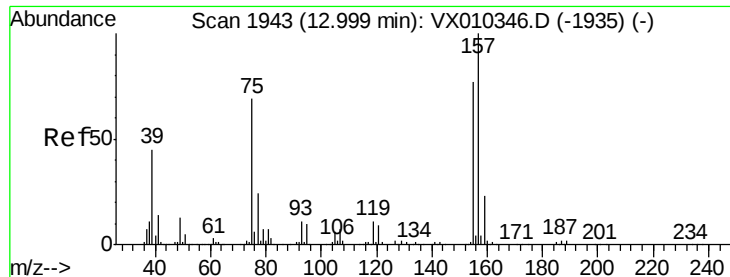
Tot Ion: 91 Resp: 152405
Ion Ratio Lower Upper
91 100
92 34.3 26.2 78.5
134 104.2 14.1 42.4#



#90
Hexachloroethane
Concen: 14.607 ug/l
RT: 12.58 min Scan# 1875
Delta R.T. -0.01 min
Lab File: VX010861.D
Acq: 13 Jul 2019 01:22

Tgt Ion: 117 Resp: 28913
Ion Ratio Lower Upper
117 100
201 0.0 44.0 131.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.785 ug/l

RT: 12.97 min Scan# 1939

Delta R.T. -0.02 min

Lab File: VX010861.D

Acq: 13 Jul 2019 01:22

Instrument :

MSVOA_X

ClientSampled :

FL- 0594

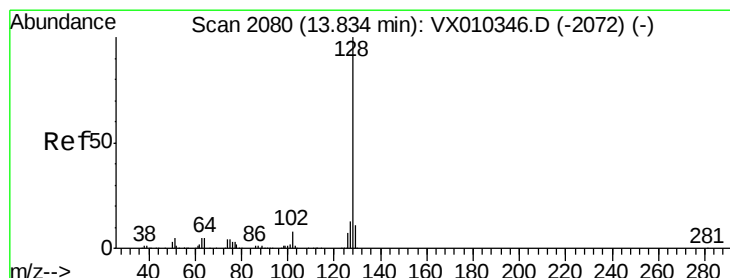
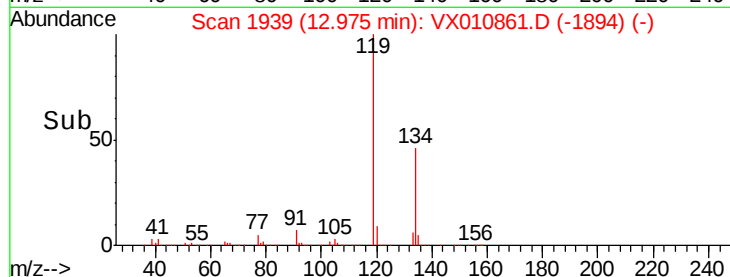
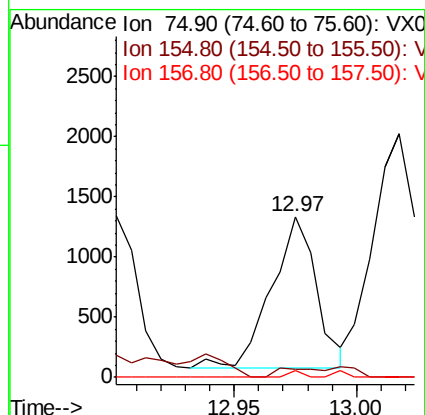
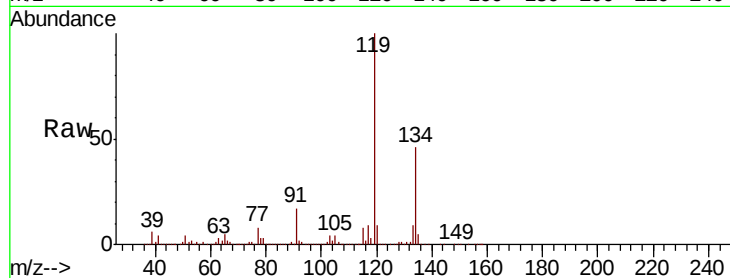
Tot Ion: 75 Resp: 1624

Ion Ratio Lower Upper

75 100

155 5.9 54.4 163.1#

157 1.3 69.5 208.3#



#95

Naphthalene

Concen: 62.395 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010861.D

Acq: 13 Jul 2019 01:22

Tgt Ion: 128 Resp: 820586

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

129 11.3 8.9 13.3

