

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062019\
 Data File : VX010365.D
 Acq On : 20 Jun 2019 18:22
 Operator : JC/SP
 Sample : K3469-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 21 01:23:49 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	5.66	168	318532	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	479165	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	432589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	203222	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	142982	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
35) Dibromofluoromethane	5.50	113	145823	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
50) Toluene-d8	8.71	98	567792	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
62) 4-Bromofluorobenzene	11.13	95	199421	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	

Target Compounds

						Qvalue
3) Chloromethane	1.33	50	840	0.326	ug/l #	75
6) Chloroethane	1.96	64	842	0.505	ug/l #	41
11) Tert butyl alcohol	3.04	59	1209	1.547	ug/l #	74
13) Acrolein	2.33	56	149	0.287	ug/l #	14
14) Allyl chloride	2.85	41	8510	2.171	ug/l #	63
15) Acrylonitrile	3.18	53	3057	1.976	ug/l #	39
16) Acetone	2.44	43	18965	12.671	ug/l	93
17) Carbon Disulfide	2.57	76	2029	0.274	ug/l #	73
18) Methyl Acetate	2.84	43	21070	7.063	ug/l #	48
25) 2-Butanone	4.67	43	7272	3.312	ug/l	95
30) Chloroform	5.28	83	8401	1.648	ug/l #	38
31) Cyclohexane	5.58	56	144352	33.462	ug/l	98
36) 1,1-Dichloropropene	5.66	75	18704	4.912	ug/l #	49
37) Ethyl Acetate	4.67	43	7281	1.859	ug/l #	67
38) Carbon Tetrachloride	5.66	117	27777	6.737	ug/l #	15
39) Methylcyclohexane	7.46	83	313261	62.588	ug/l	96
40) Benzene	6.15	78	51887	4.374	ug/l	99
41) Methacrylonitrile	5.06	41	2154	1.002	ug/l #	31
43) Isopropyl Acetate	6.46	43	7100	1.096	ug/l #	60
46) Dibromomethane	7.63	93	488	0.227	ug/l #	1
47) Bromodichloromethane	7.85	83	2913	0.740	ug/l #	92
48) Methyl methacrylate	7.73	41	26246	8.712	ug/l #	48
49) 1,4-Dioxane	7.76	88	26	0.300	ug/l #	28
51) 4-Methyl-2-Pentanone	8.68	43	5873	1.417	ug/l #	47
52) Toluene	8.79	92	15104	1.933	ug/l	99
55) 1,1,2-Trichloroethane	9.16	97	49552	15.380	ug/l #	19
56) Ethyl methacrylate	9.16	69	11190	2.293	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.27	63	956	0.412	ug/l #	44
59) 2-Hexanone	9.49	43	1354	0.415	ug/l	78
67) Ethyl Benzene	10.25	91	88500	5.969	ug/l	100
68) m/p-Xylenes	10.36	106	13707	2.386	ug/l	98
69) o-Xylene	10.70	106	3075	0.544	ug/l	99
73) Isopropylbenzene	11.02	105	1568451	113.854	ug/l	99
74) N-amyl acetate	10.90	43	1287	0.247	ug/l #	1

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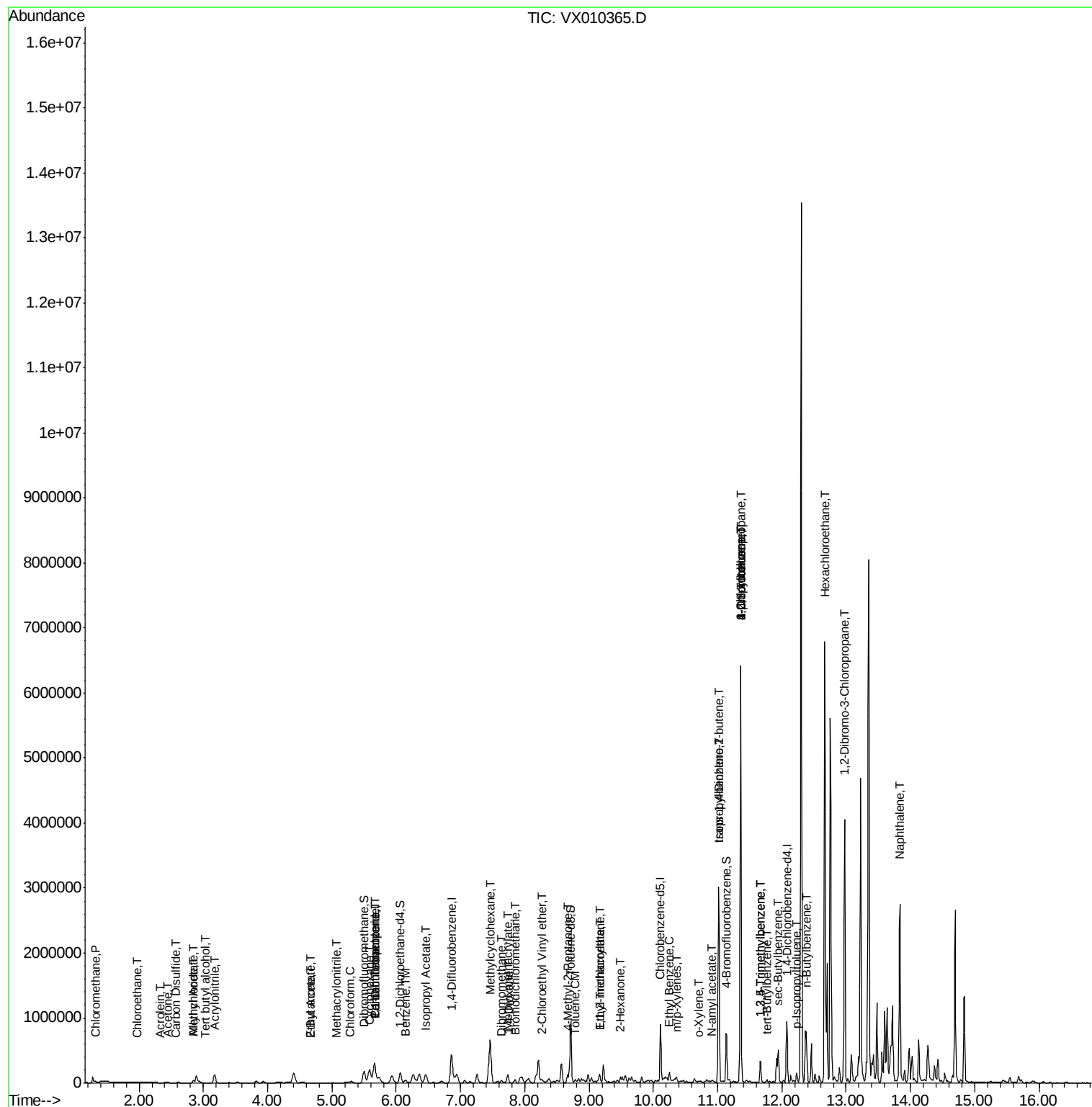
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 1,2,3-Trichloropropane	11.36	75	22929	6.192	ug/l #	1
78) n-propylbenzene	11.36	91	3866973	255.408	ug/l	100
79) 2-Chlorotoluene	11.36	91	3866973	428.915	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.66	105	164191	14.458	ug/l	73
81) trans-1,4-Dichloro-2-buten	11.02	75	16621	10.471	ug/l #	54
82) 4-Chlorotoluene	11.36	91	3866973	376.937	ug/l #	42
83) tert-Butylbenzene	11.77	119	17425	1.529	ug/l	88
84) 1,2,4-Trimethylbenzene	11.66	105	164191	14.390	ug/l	78
85) sec-Butylbenzene	11.94	105	265203	19.816	ug/l	96
86) p-Isopropyltoluene	12.23	119	59784	4.829	ug/l #	76
89) n-Butylbenzene	12.39	91	385400	36.638	ug/l #	80
90) Hexachloroethane	12.67	117	281890	131.692	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	12.97	75	12320	12.525	ug/l #	1
95) Naphthalene	13.83	128	1695170	119.195	ug/l	99

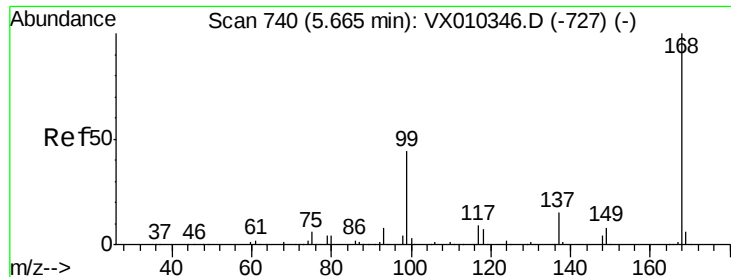
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

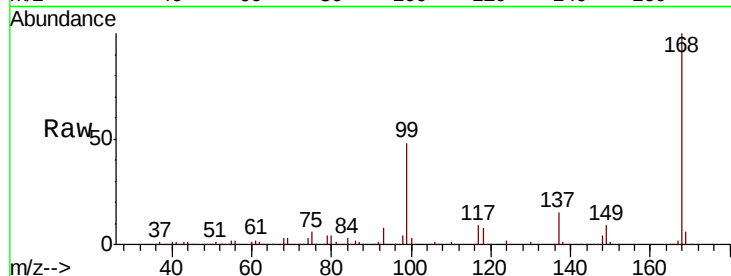
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 318532

Ion Ratio Lower Upper

168 100

99 47.5 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

60000

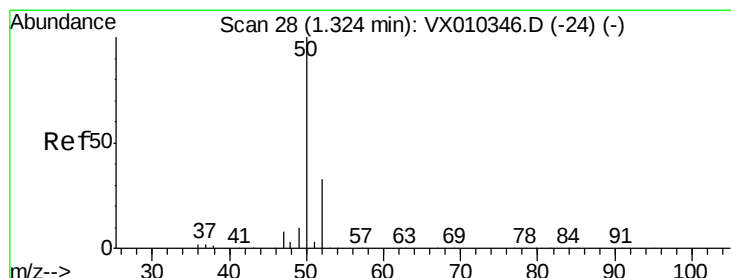
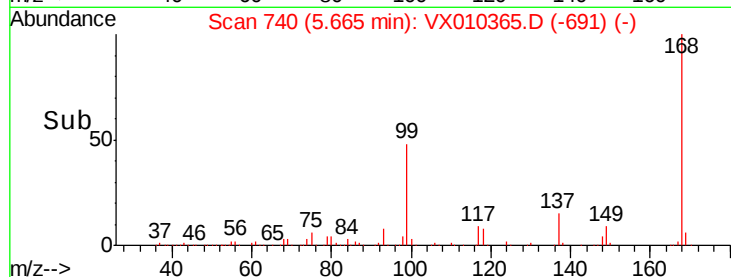
40000

20000

0

Time-->

5.60 5.70 5.80



#3

Chloromethane

Concen: 0.326 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010365.D

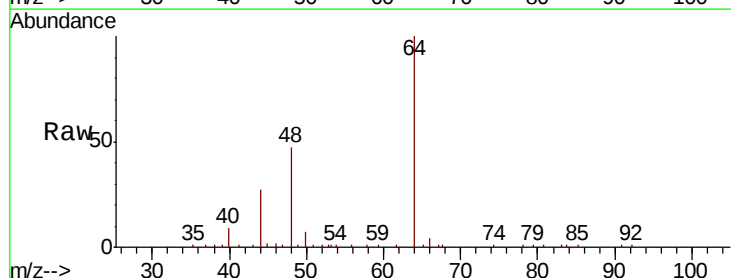
Acq: 20 Jun 2019 18:22

Tgt Ion: 50 Resp: 840

Ion Ratio Lower Upper

50 100

52 18.7 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1500

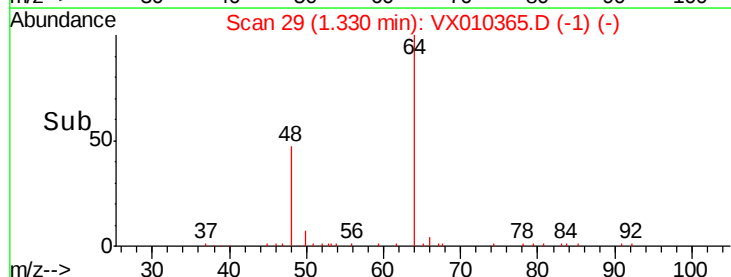
1000

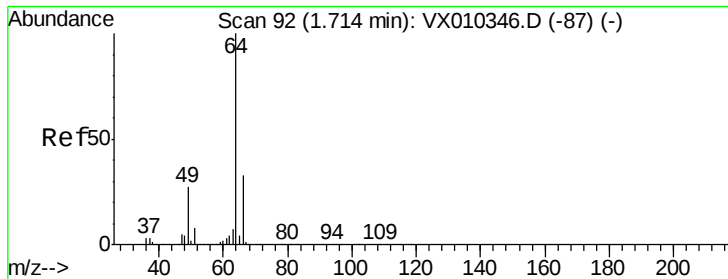
500

0

Time-->

1.30 1.35





#6

Chloroethane

Concen: 0.505 ug/l

RT: 1.96 min Scan# 133

Delta R.T. 0.25 min

Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

Instrument :

MSVOA_X

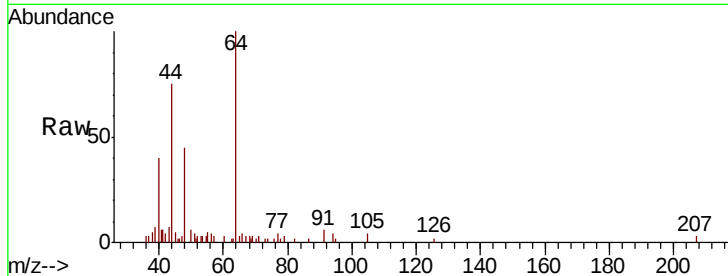
ClientSampled :

Tot Ion: 64 Resp: 842

Ion Ratio Lower Upper

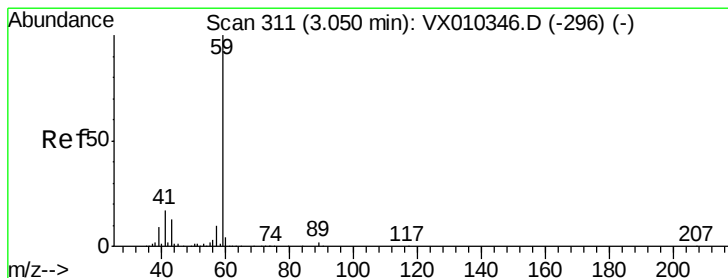
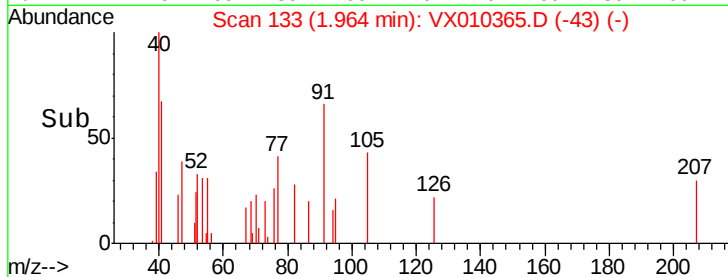
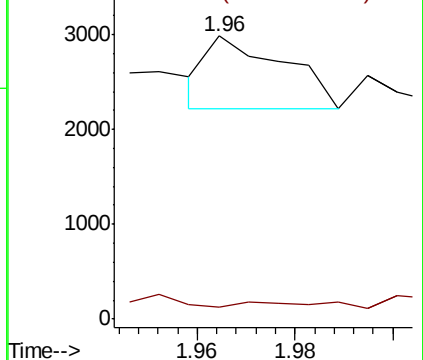
64 100

66 0.0 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: 1.547 ug/l

RT: 3.04 min Scan# 309

Delta R.T. -0.01 min

Lab File: VX010365.D

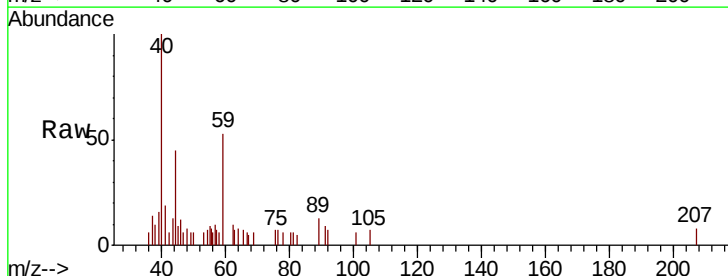
Acq: 20 Jun 2019 18:22

Tgt Ion: 59 Resp: 1209

Ion Ratio Lower Upper

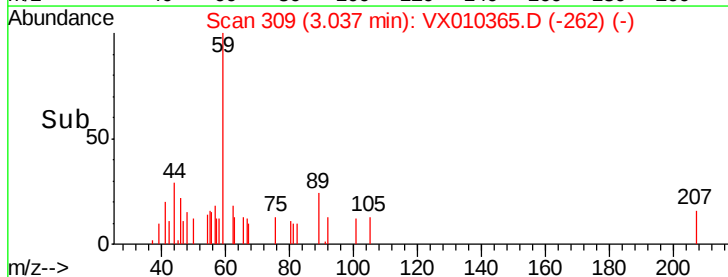
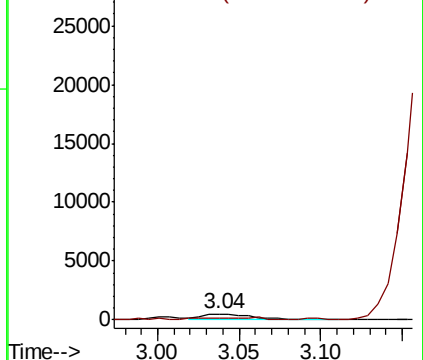
59 100

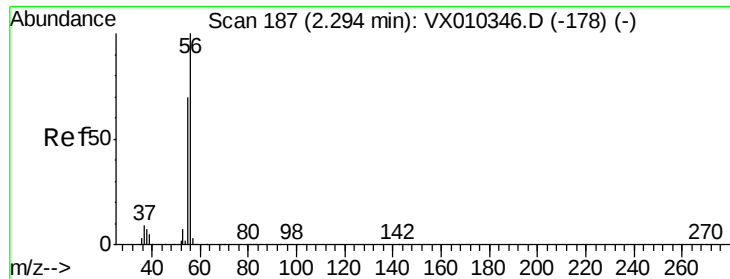
57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.287 ug/l

RT: 2.33 min Scan# 193

Delta R.T. 0.04 min

Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

Instrument :

MSVOA_X

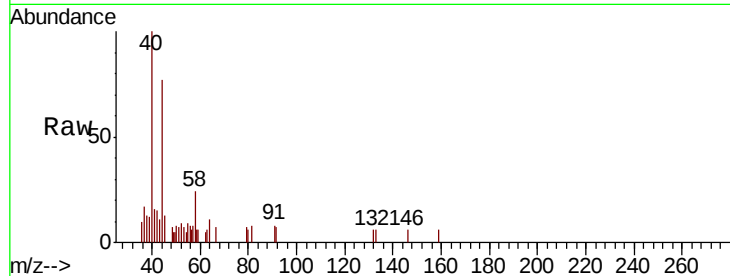
ClientSampleId :

Tot Ion: 56 Resp: 149

Ion Ratio Lower Upper

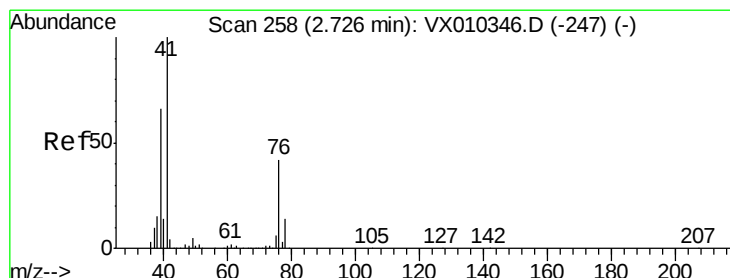
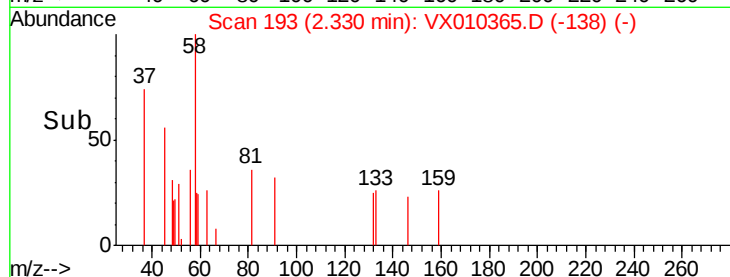
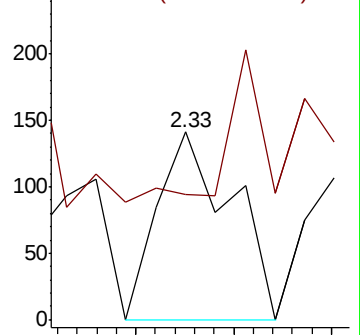
56 100

55 0.0 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 2.171 ug/l

RT: 2.85 min Scan# 278

Delta R.T. 0.12 min

Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

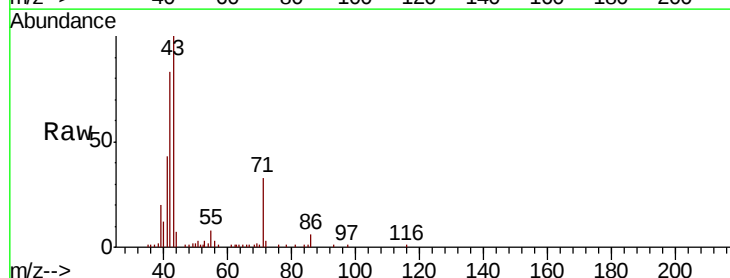
Tgt Ion: 41 Resp: 8510

Ion Ratio Lower Upper

41 100

39 47.6 50.3 75.5#

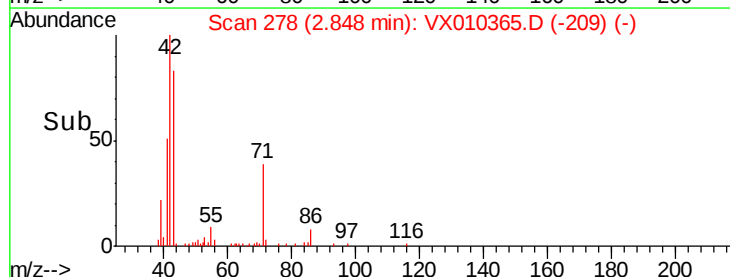
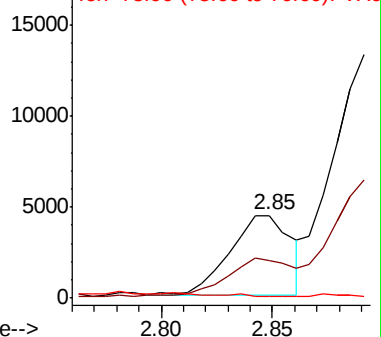
76 0.0 31.3 46.9#

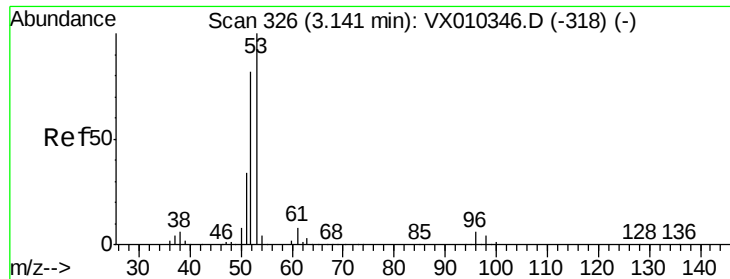


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 1.976 ug/l

RT: 3.18 min Scan# 332

Delta R.T. 0.04 min

Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

Instrument :

MSVOA_X

ClientSampleId :

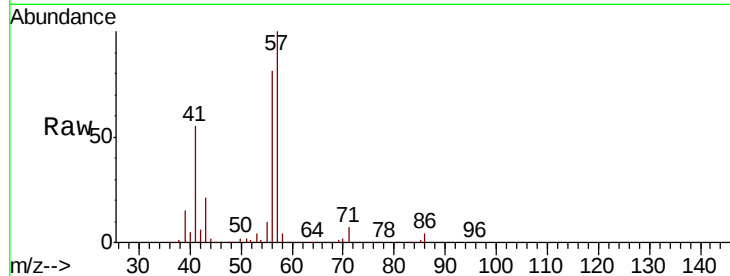
Tot Ion: 53 Resp: 3057

Ion Ratio Lower Upper

53 100

52 29.8 65.5 98.3#

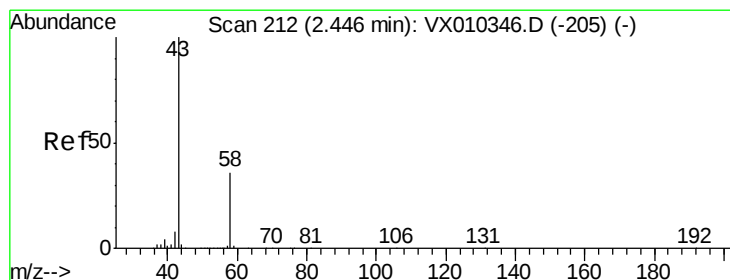
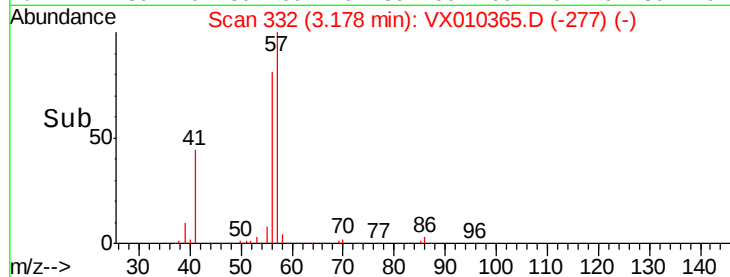
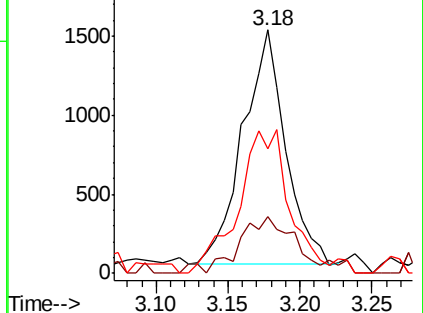
51 74.8 28.2 42.4#



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: 12.671 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010365.D

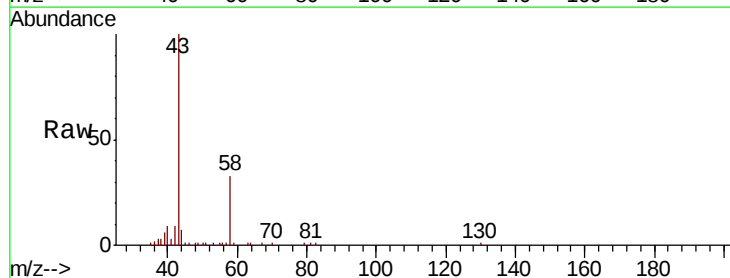
Acq: 20 Jun 2019 18:22

Tgt Ion: 43 Resp: 18965

Ion Ratio Lower Upper

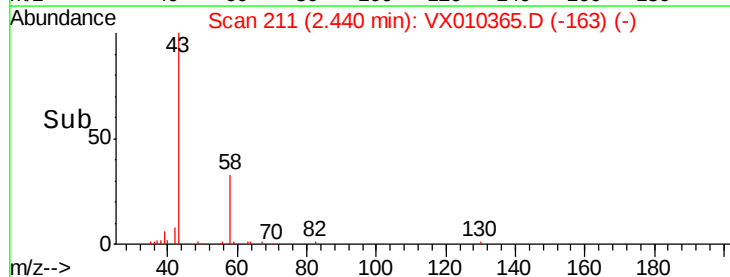
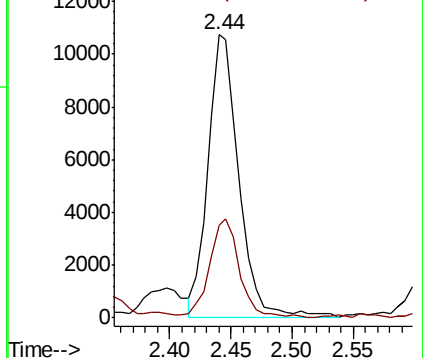
43 100

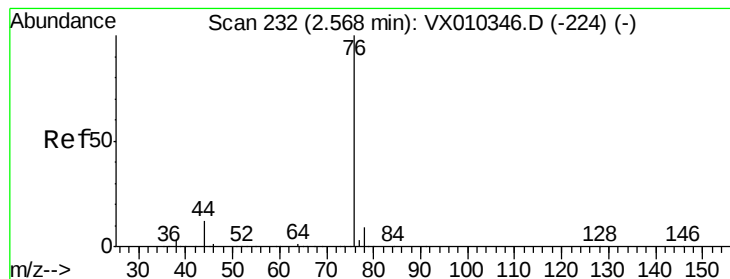
58 32.0 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.274 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

Instrument :

MSVOA_X

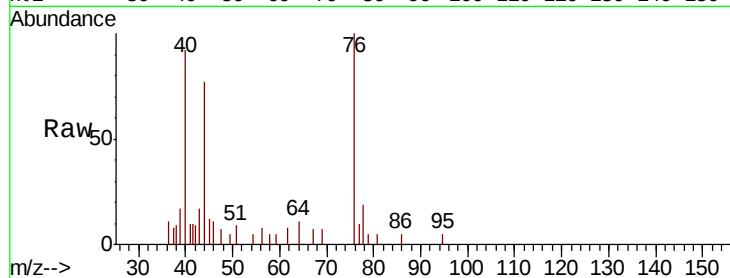
ClientSampleId :

Tot Ion: 76 Resp: 2029

Ion Ratio Lower Upper

76 100

78 18.9 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

1200

1000

800

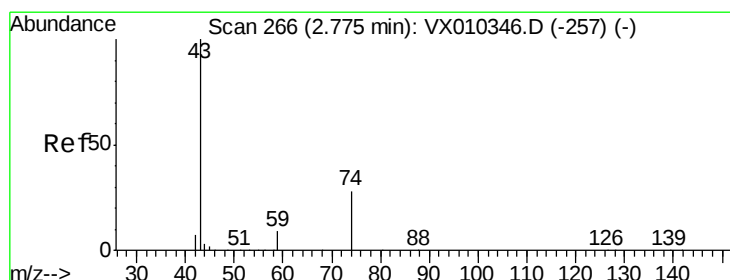
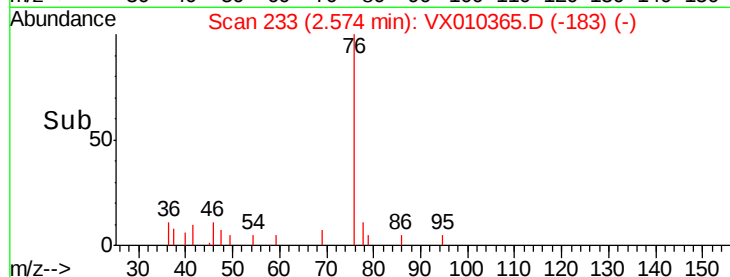
600

400

200

0

Time-->



#18

Methyl Acetate

Concen: 7.063 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.07 min

Lab File: VX010365.D

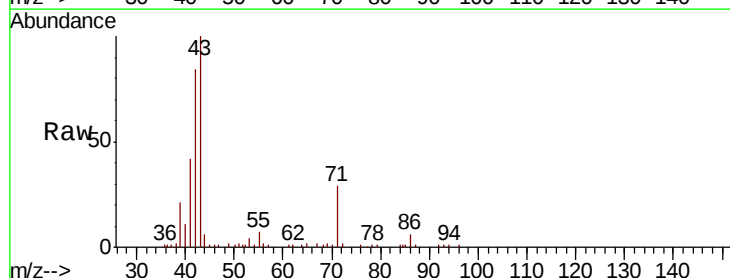
Acq: 20 Jun 2019 18:22

Tgt Ion: 43 Resp: 21070

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

40000

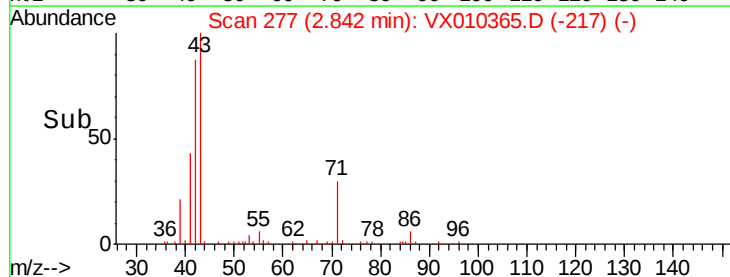
30000

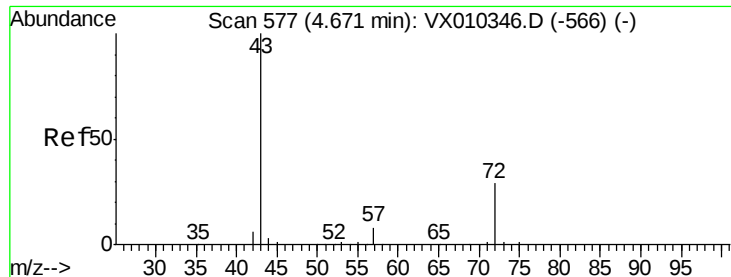
20000

10000

0

Time-->





#25

2-Butanone

Concen: 3.312 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

Instrument :

MSVOA_X

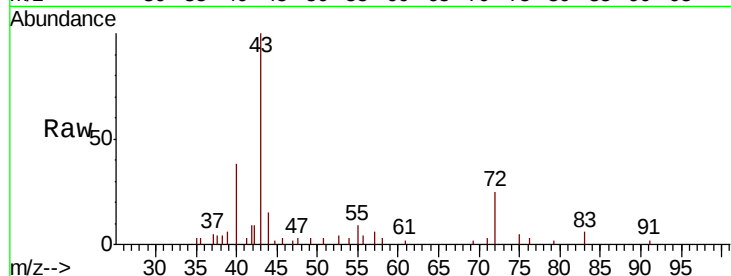
ClientSampleId :

Tot Ion: 43 Resp: 7272

Ion Ratio Lower Upper

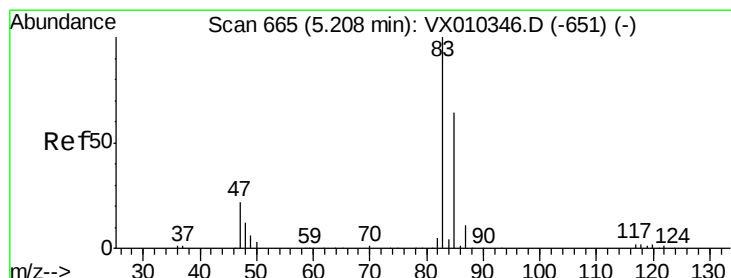
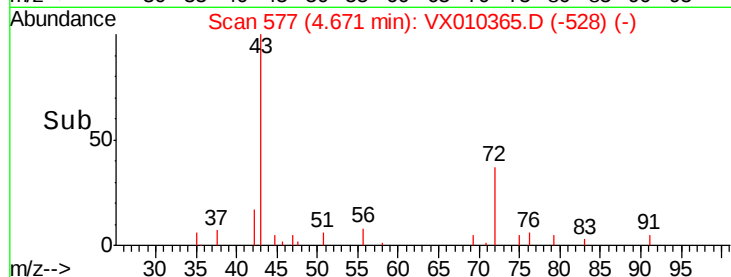
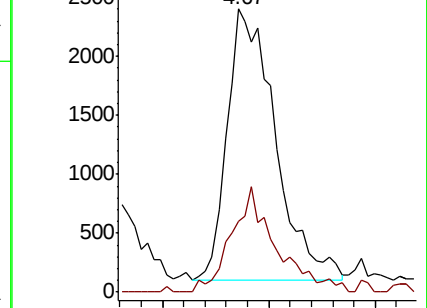
43 100

72 26.4 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#30

Chloroform

Concen: 1.648 ug/l

RT: 5.28 min Scan# 677

Delta R.T. 0.07 min

Lab File: VX010365.D

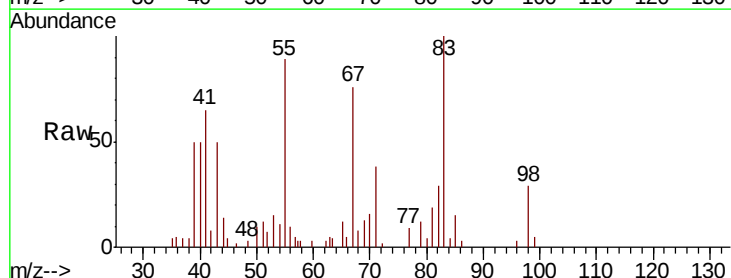
Acq: 20 Jun 2019 18:22

Tgt Ion: 83 Resp: 8401

Ion Ratio Lower Upper

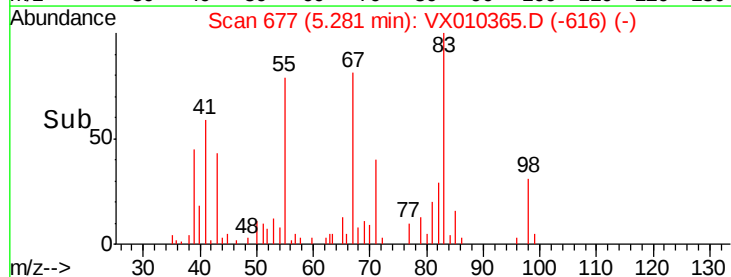
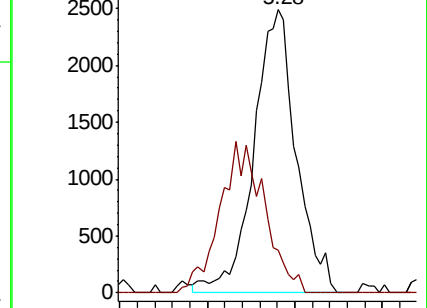
83 100

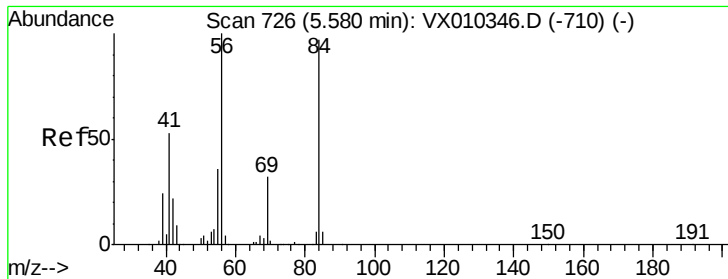
85 15.2 50.9 76.3#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 33.462 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

Instrument :
MSVOA_X
ClientSampleId :

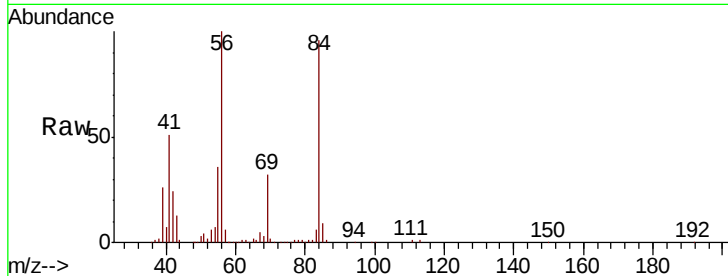
Tot Ion: 56 Resp: 144352

Ion Ratio Lower Upper

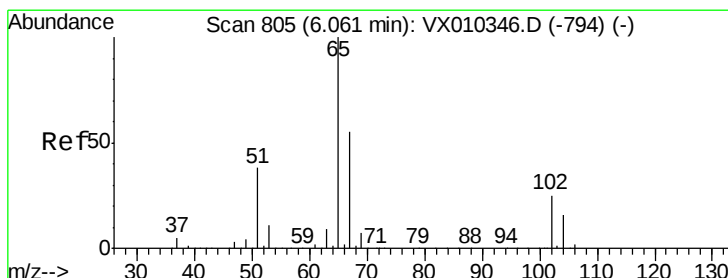
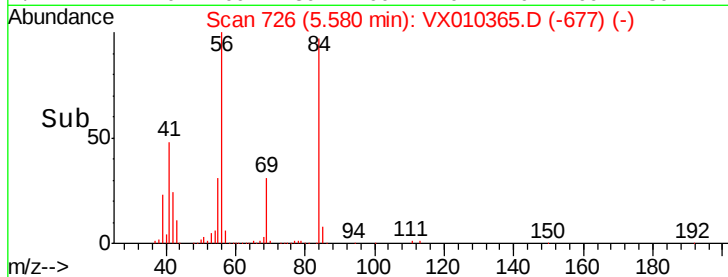
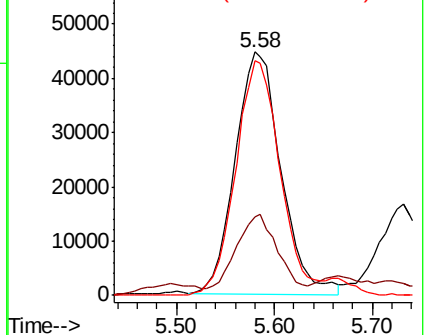
56 100

69 28.5 25.9 38.9

84 96.7 78.0 117.0



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 47.875 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX010365.D

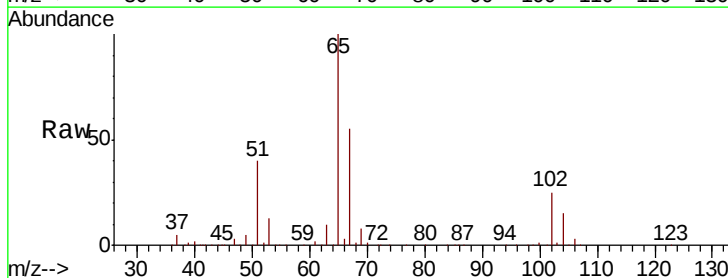
Acq: 20 Jun 2019 18:22

Tgt Ion: 65 Resp: 142982

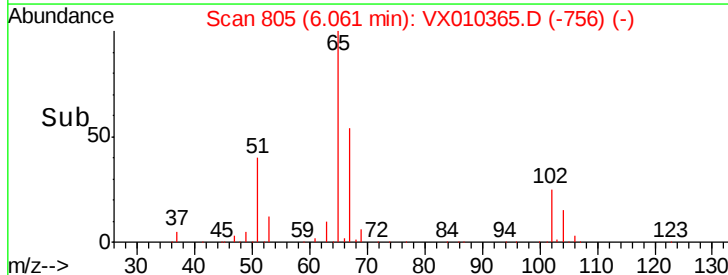
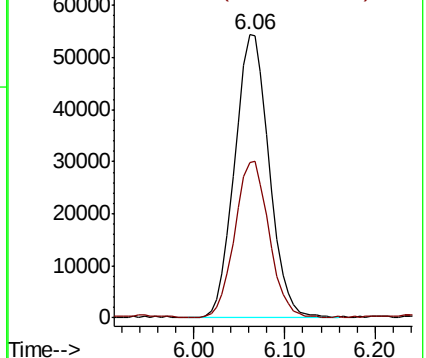
Ion Ratio Lower Upper

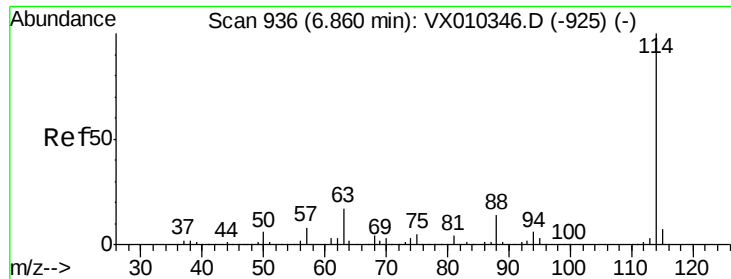
65 100

67 54.9 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

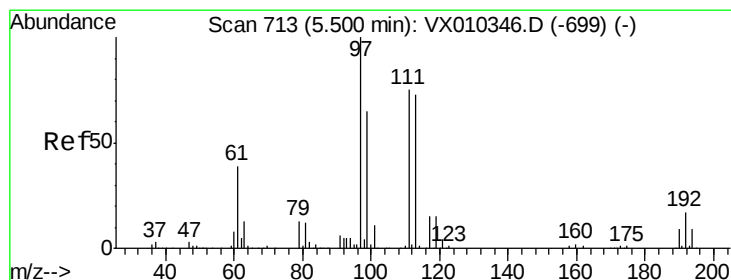
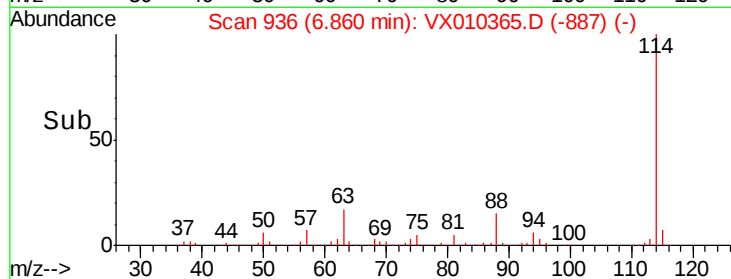
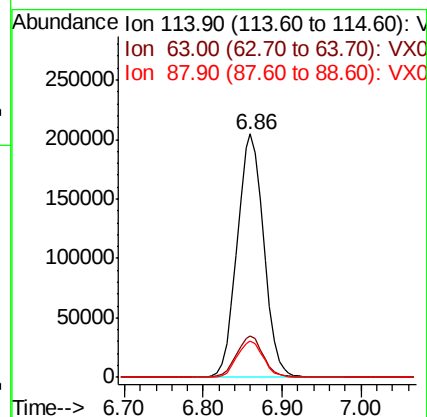
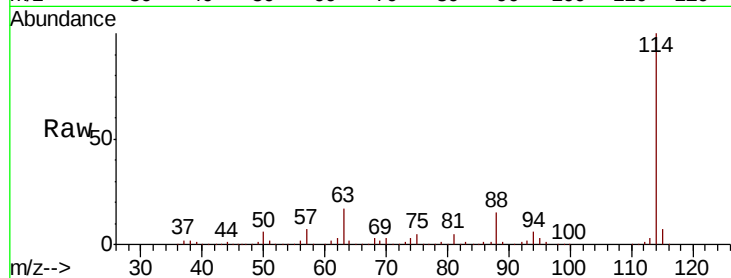




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX010365.D
Acq: 20 Jun 2019 18:22

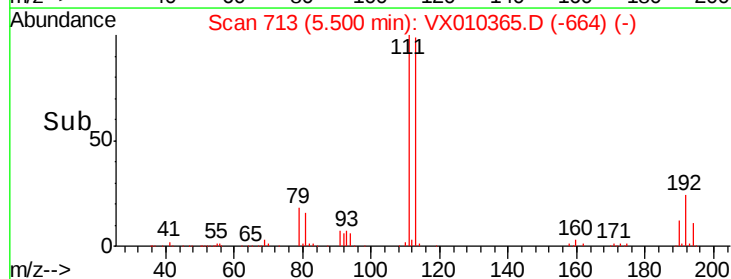
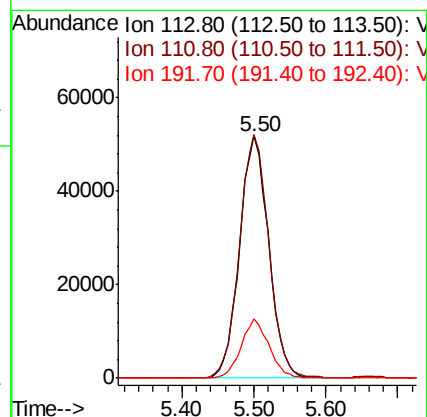
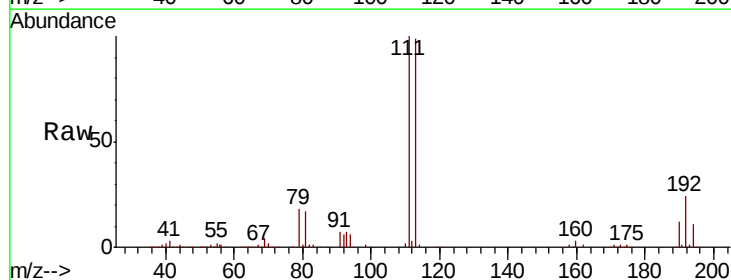
Instrument :
MSVOA_X
ClientSampleId :

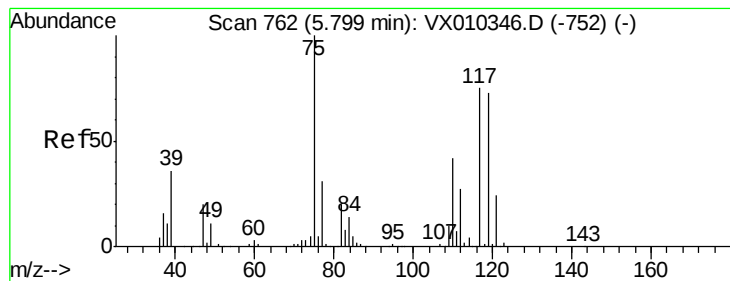
Tot Ion:114 Resp: 479165
Ion Ratio Lower Upper
114 100
63 16.9 0.0 33.8
88 14.7 0.0 27.6



#35
Dibromofluoromethane
Concen: 49.740 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX010365.D
Acq: 20 Jun 2019 18:22

Tgt Ion:113 Resp: 145823
Ion Ratio Lower Upper
113 100
111 101.3 81.2 121.8
192 23.2 18.6 27.8





#36

1,1-Dichloropropene

Concen: 4.912 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

Instrument :

MSVOA_X

ClientSampled :

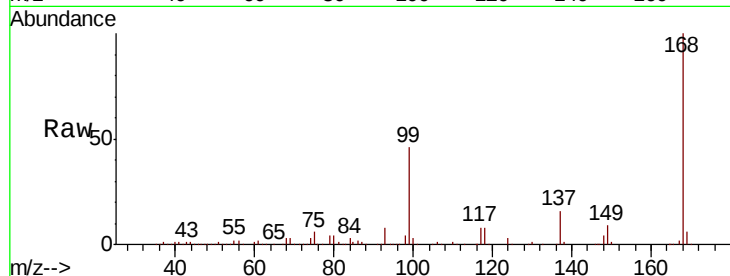
Tot Ion: 75 Resp: 18704

Ion Ratio Lower Upper

75 100

110 11.3 20.8 62.2#

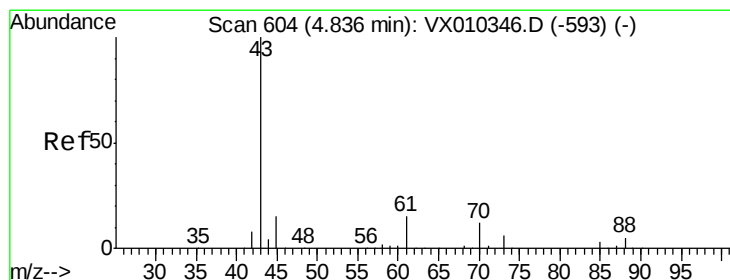
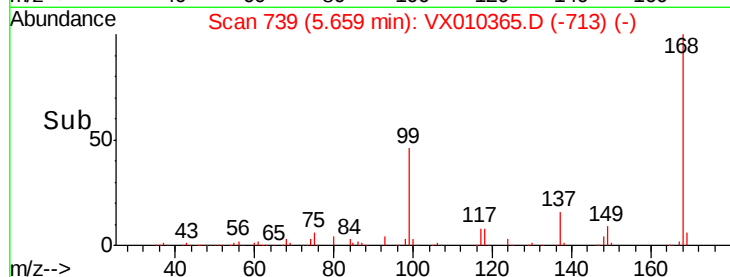
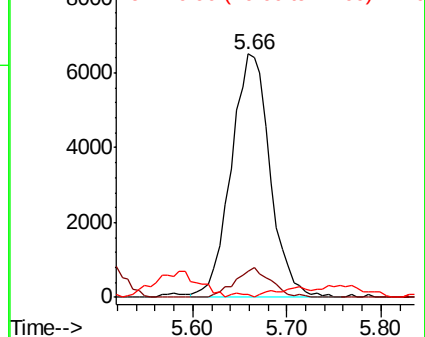
77 0.6 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 1.859 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.16 min

Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

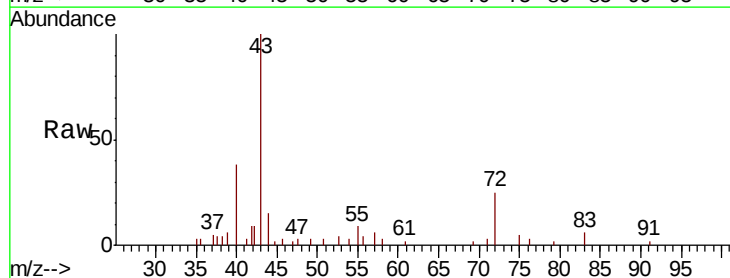
Tgt Ion: 43 Resp: 7281

Ion Ratio Lower Upper

43 100

61 1.5 12.4 18.6#

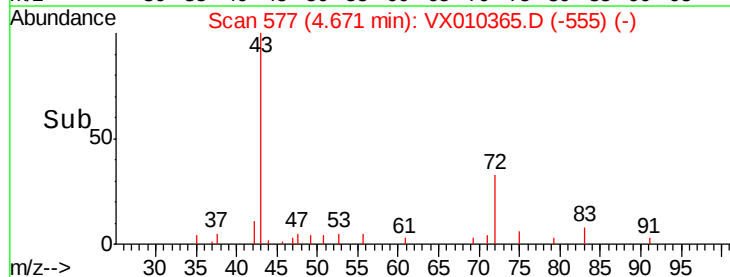
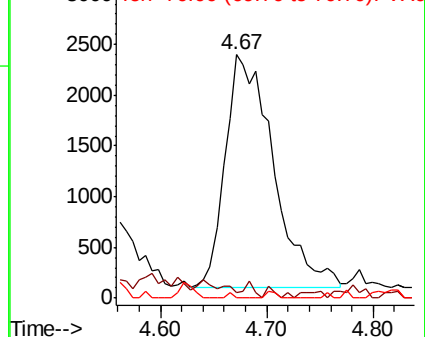
70 0.0 9.8 14.8#

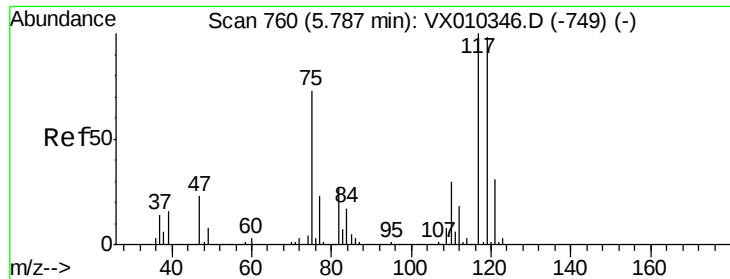


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 6.737 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

Instrument :

MSVOA_X

ClientSampled :

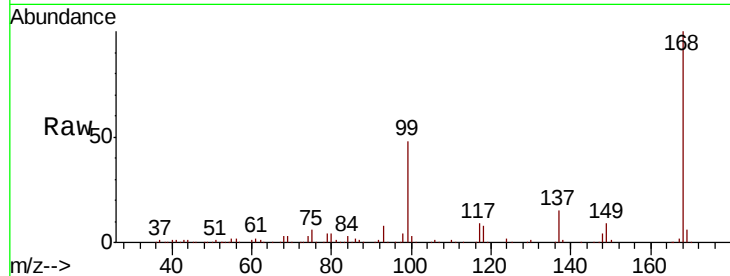
Tot Ion:117 Resp: 27777

Ion Ratio Lower Upper

117 100

119 4.9 78.2 117.4#

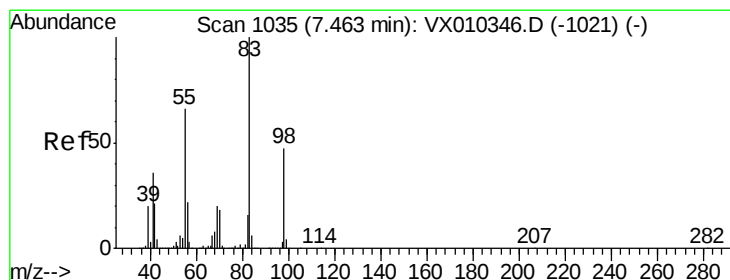
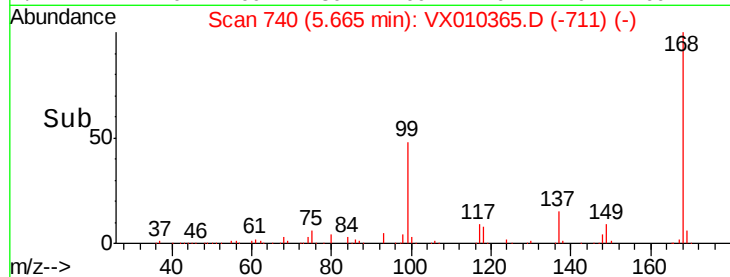
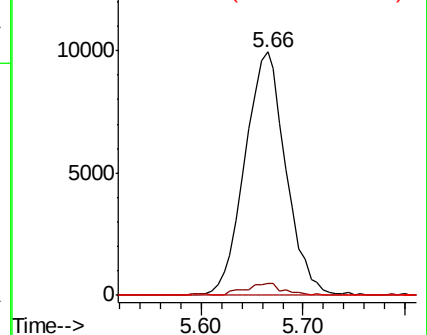
121 0.0 24.7 37.1#



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: 62.588 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

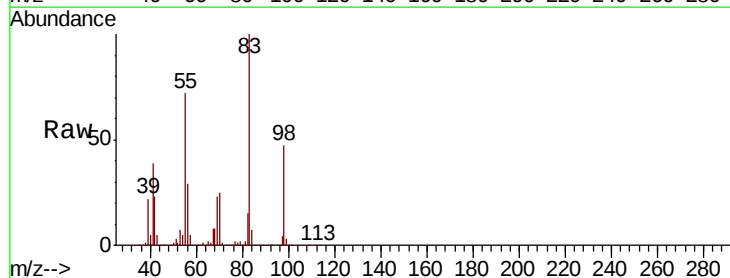
Tgt Ion: 83 Resp: 313261

Ion Ratio Lower Upper

83 100

55 71.7 53.0 79.6

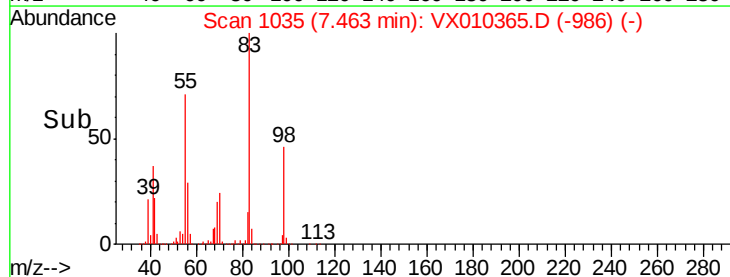
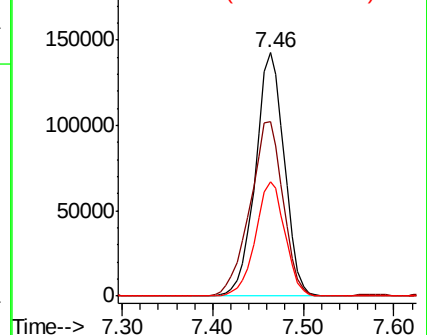
98 47.2 37.8 56.8

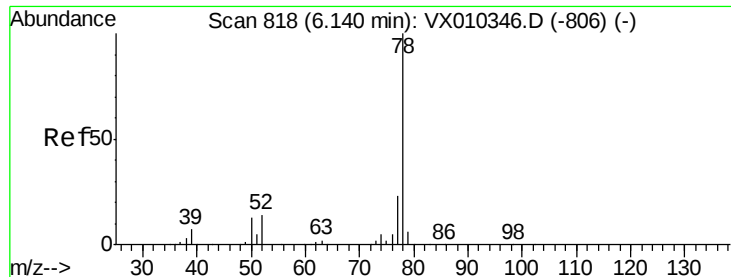


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 4.374 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

Instrument :

MSVOA_X

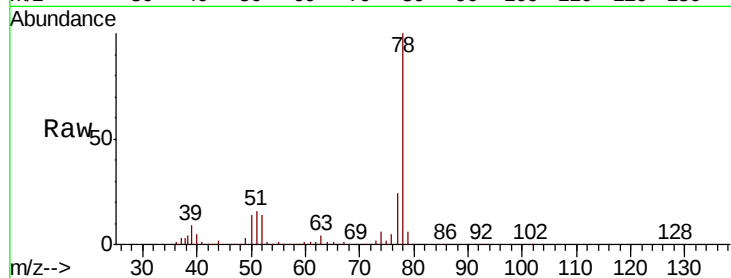
ClientSampleId :

Tot Ion: 78 Resp: 51887

Ion Ratio Lower Upper

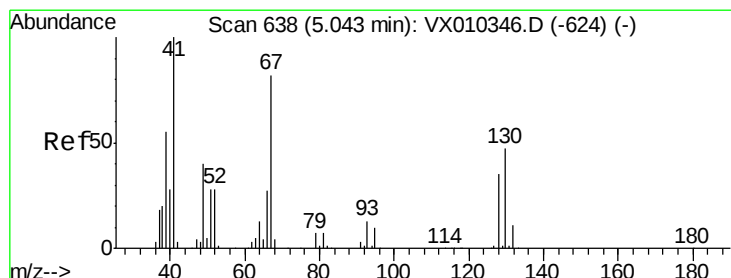
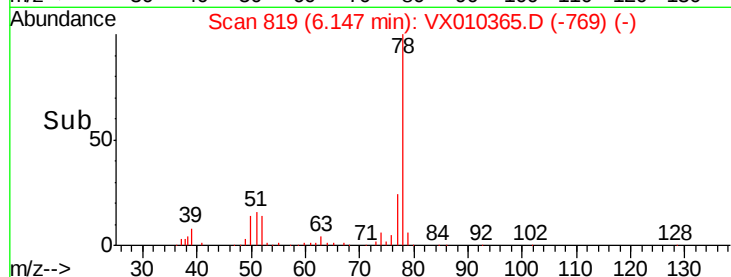
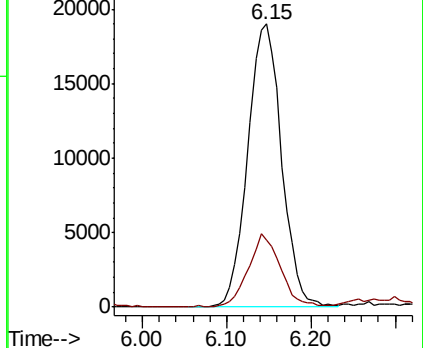
78 100

77 23.8 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#41

Methacrylonitrile

Concen: 1.002 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.02 min

Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

Tgt Ion: 41 Resp: 2154

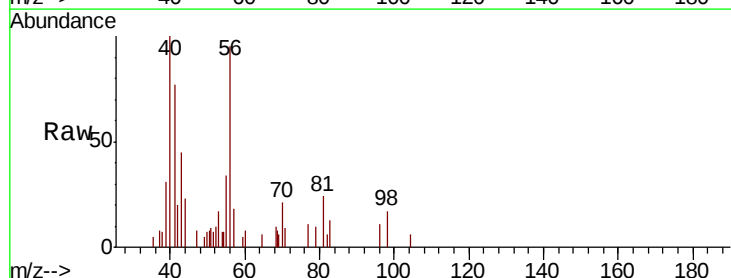
Ion Ratio Lower Upper

41 100

39 21.3 43.8 65.8#

67 0.0 66.6 100.0#

52 7.0 24.5 36.7#

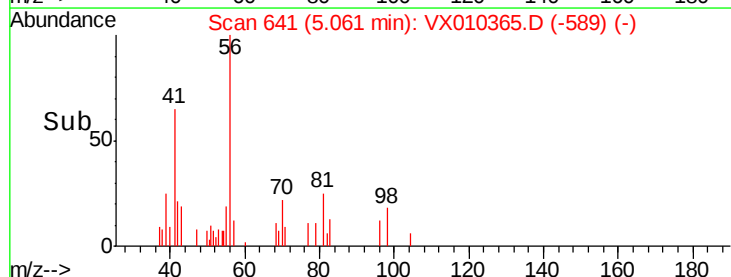
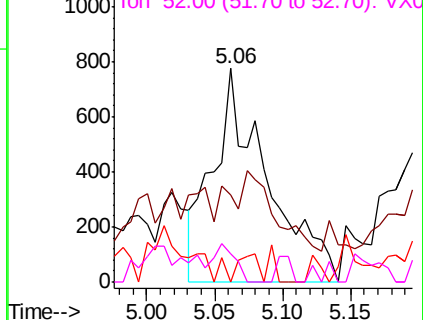


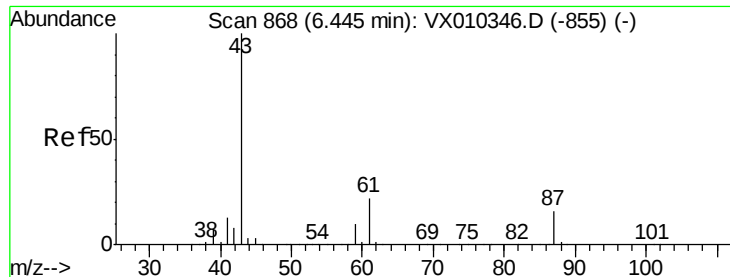
Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 1.096 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.01 min

Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

Instrument :

MSVOA_X

ClientSampleId :

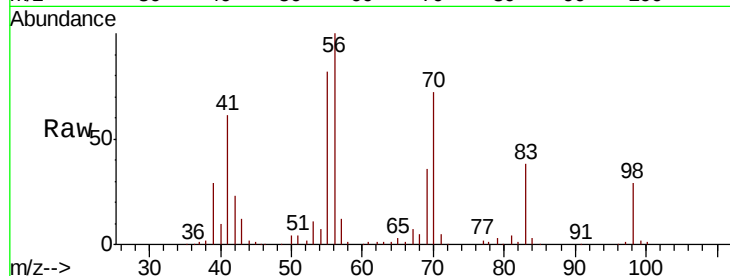
Tot Ion: 43 Resp: 7100

Ion Ratio Lower Upper

43 100

61 2.4 17.8 26.6#

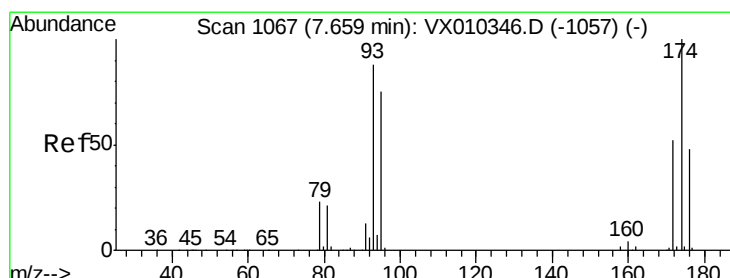
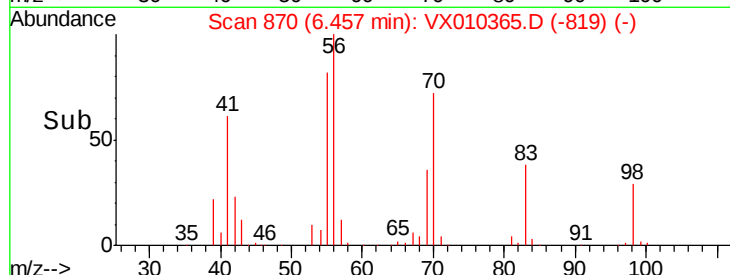
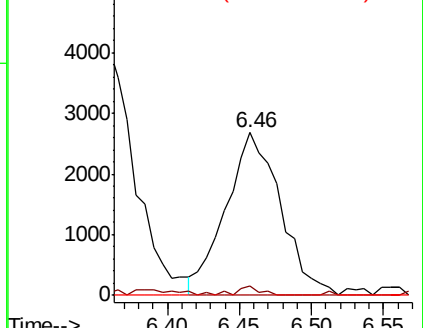
87 0.0 13.0 19.4#



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



#46

Dibromomethane

Concen: 0.227 ug/l

RT: 7.63 min Scan# 1063

Delta R.T. -0.02 min

Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

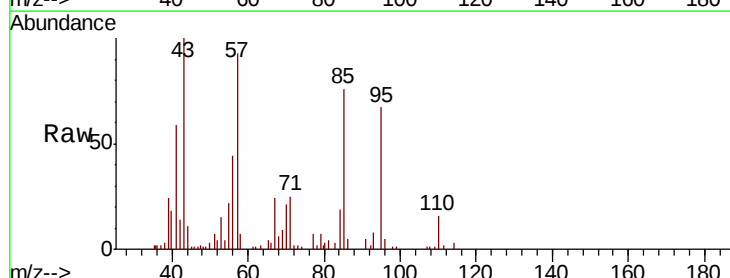
Tgt Ion: 93 Resp: 488

Ion Ratio Lower Upper

93 100

95 1922.7 67.5 101.3#

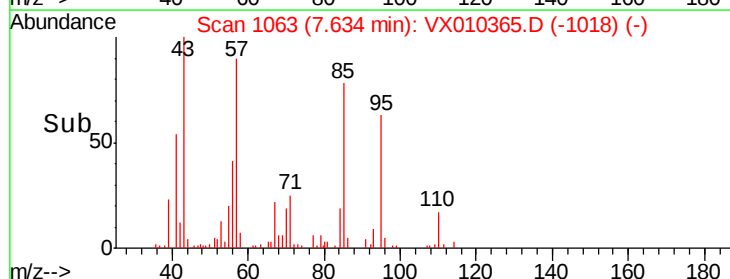
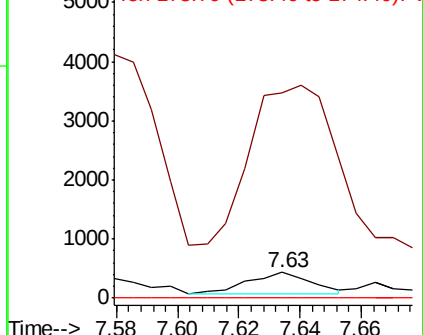
174 0.0 95.8 143.6#

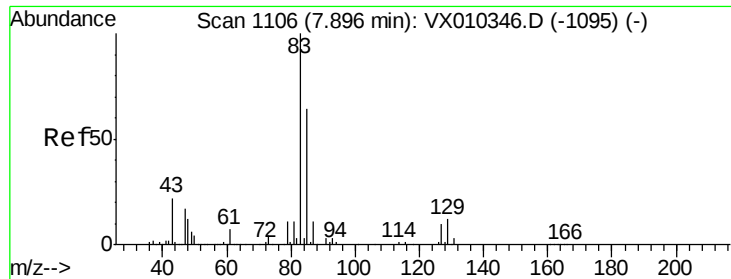


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 0.740 ug/l

RT: 7.85 min Scan# 1098

Delta R.T. -0.05 min

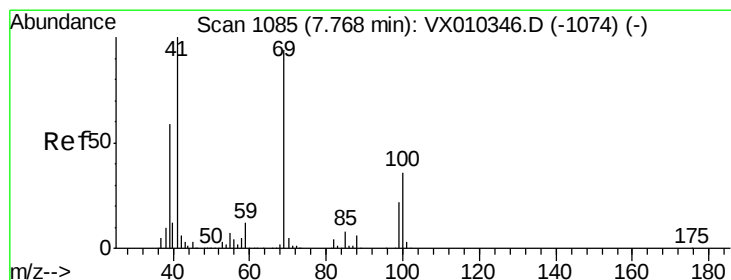
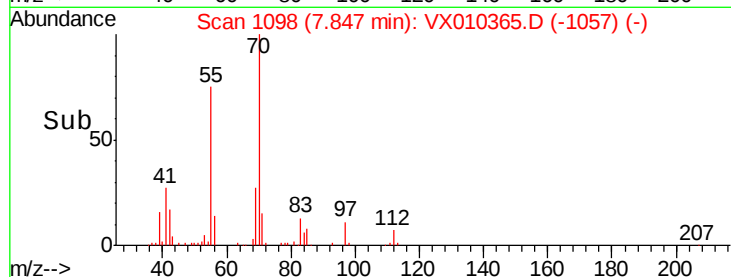
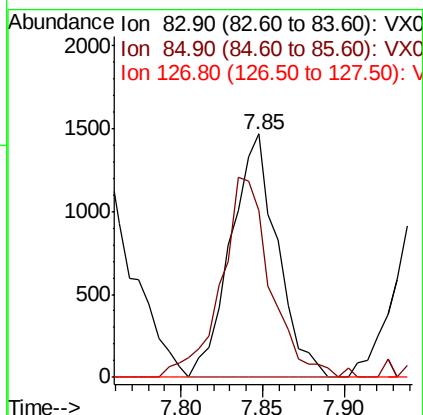
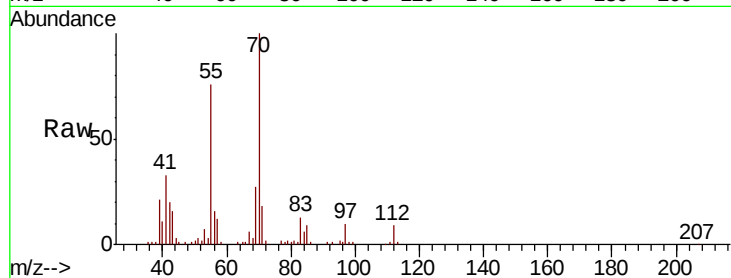
Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 2913

Ion	Ratio	Lower	Upper
83	100		
85	68.5	51.5	77.3
127	0.0	7.8	11.8#



#48

Methyl methacrylate

Concen: 8.712 ug/l

RT: 7.73 min Scan# 1079

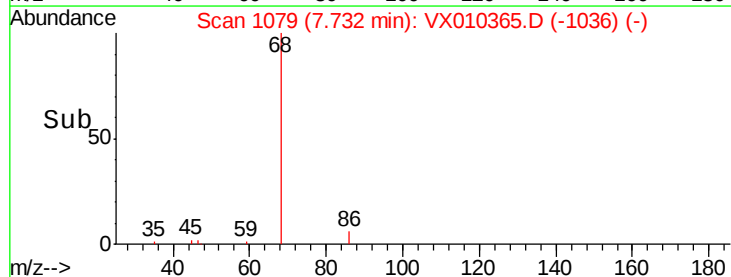
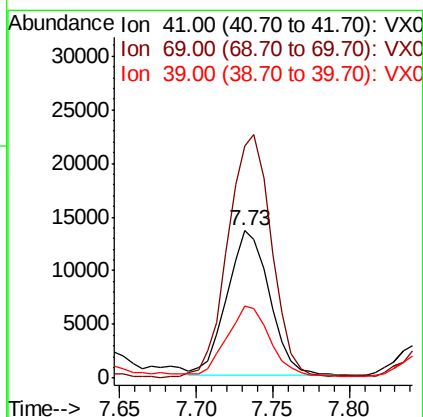
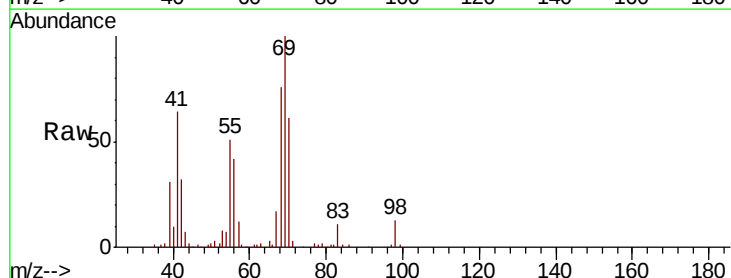
Delta R.T. -0.04 min

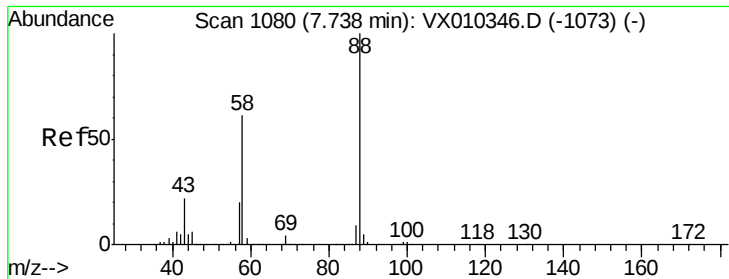
Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

Tgt Ion: 41 Resp: 26246

Ion	Ratio	Lower	Upper
41	100		
69	169.7	76.1	114.1#
39	49.4	47.6	71.4

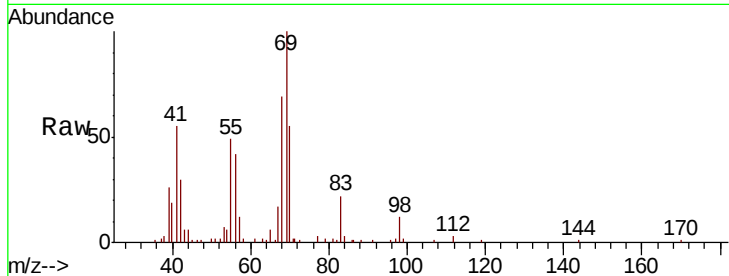




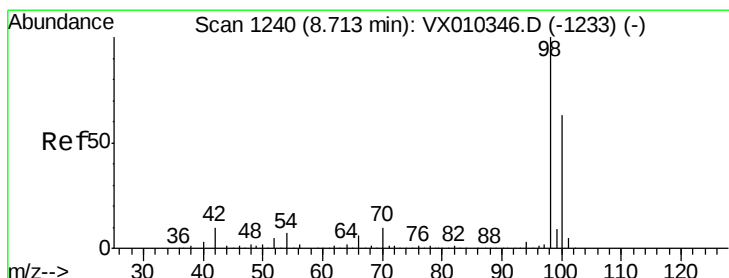
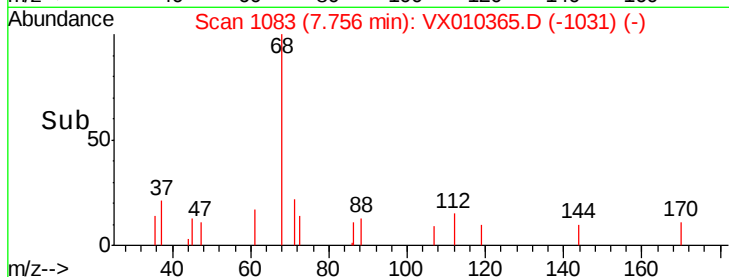
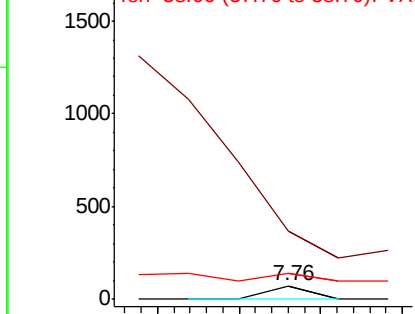
#49
1,4-Dioxane
Concen: 0.300 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.02 min
Lab File: VX010365.D
Acq: 20 Jun 2019 18:22

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.2#
58 0.0 49.5 74.3#

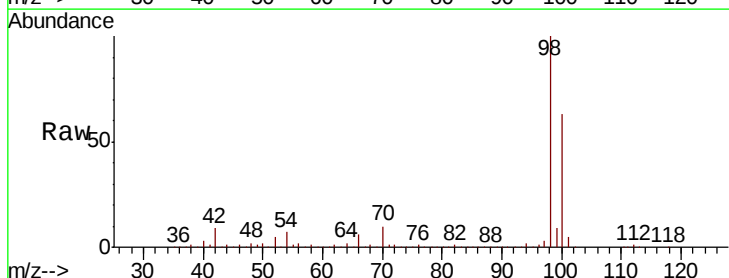


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

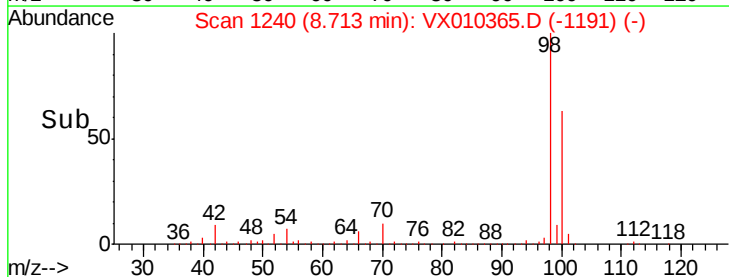
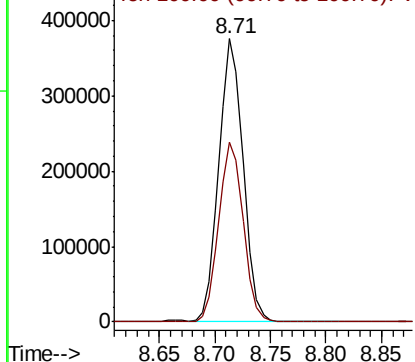


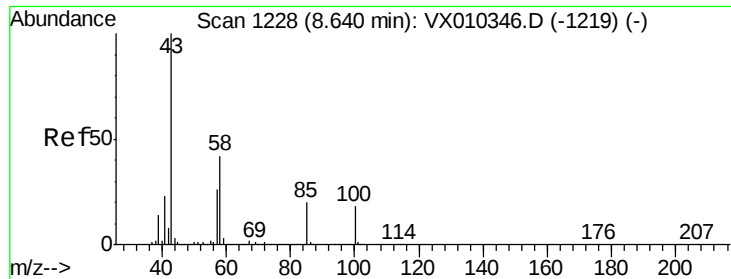
#50
Toluene-d8
Concen: 50.623 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010365.D
Acq: 20 Jun 2019 18:22

Tgt Ion: 98 Resp: 567792
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.417 ug/l

RT: 8.68 min Scan# 1234

Delta R.T. 0.04 min

Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

Instrument :

MSVOA_X

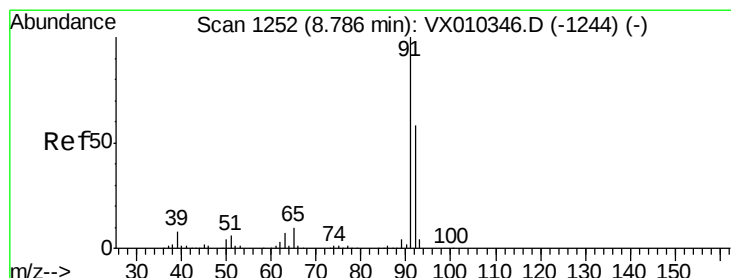
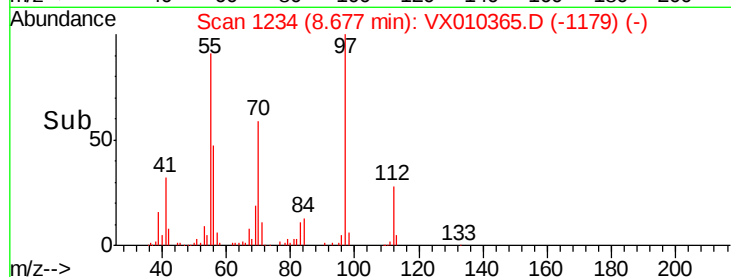
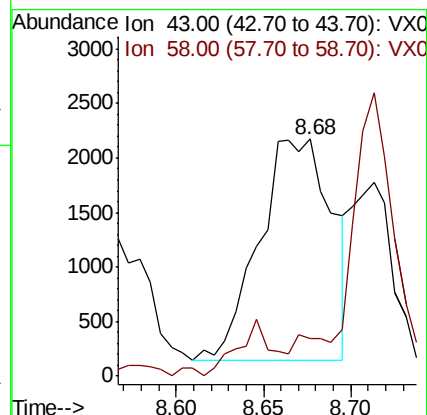
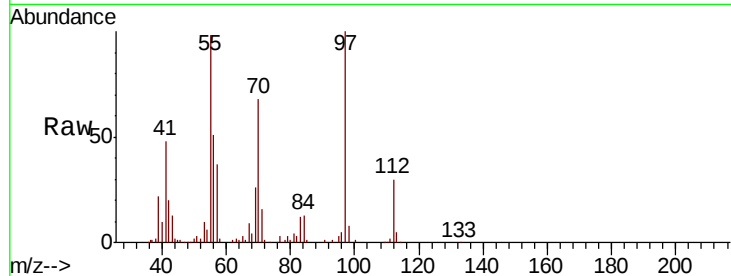
ClientSampled :

Tot Ion: 43 Resp: 5873

Ion Ratio Lower Upper

43 100

58 8.3 33.5 50.3#



#52

Toluene

Concen: 1.933 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX010365.D

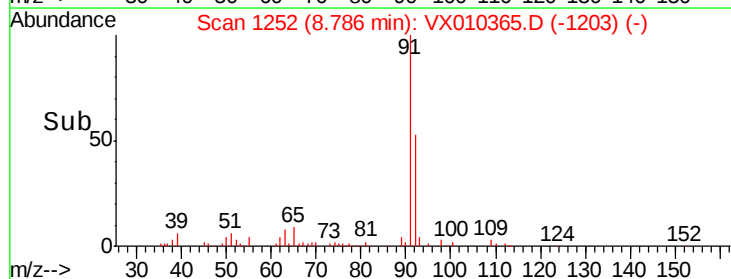
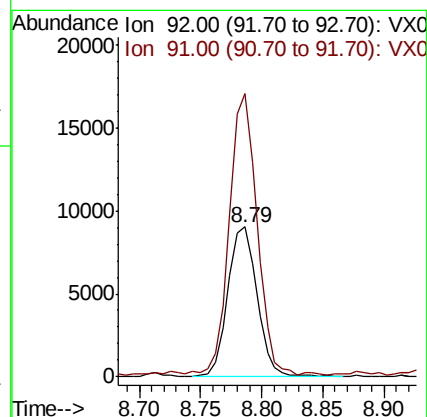
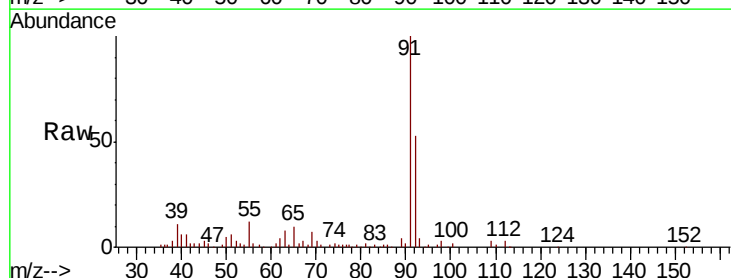
Acq: 20 Jun 2019 18:22

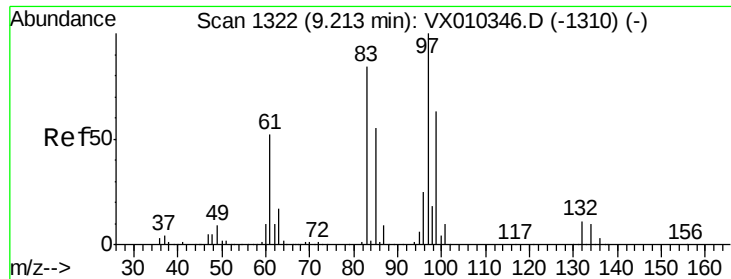
Tgt Ion: 92 Resp: 15104

Ion Ratio Lower Upper

92 100

91 175.9 139.8 209.6

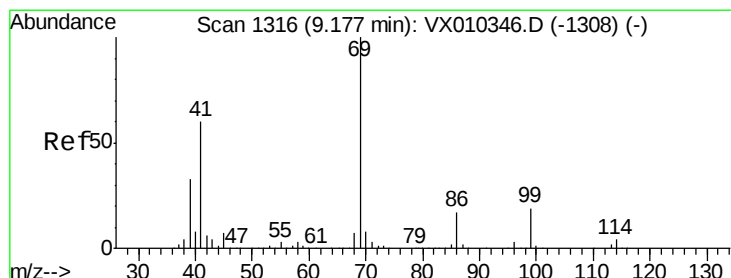
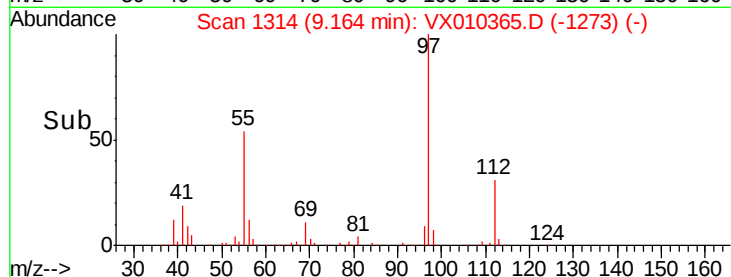
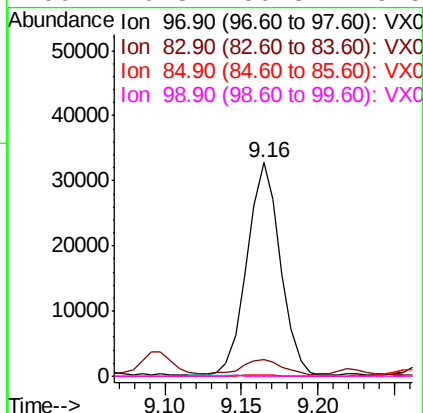
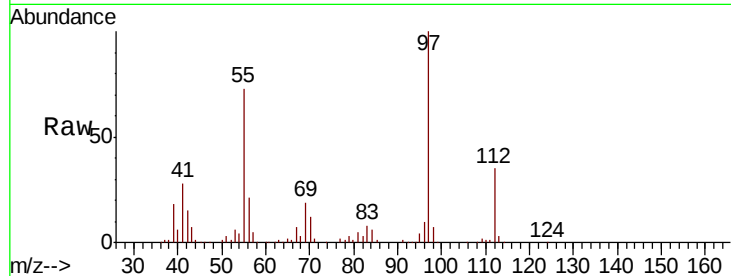




#55
 1,1,2-Trichloroethane
 Concen: 15.380 ug/l
 RT: 9.16 min Scan# 1314
 Delta R.T. -0.05 min
 Lab File: VX010365.D
 Acq: 20 Jun 2019 18:22

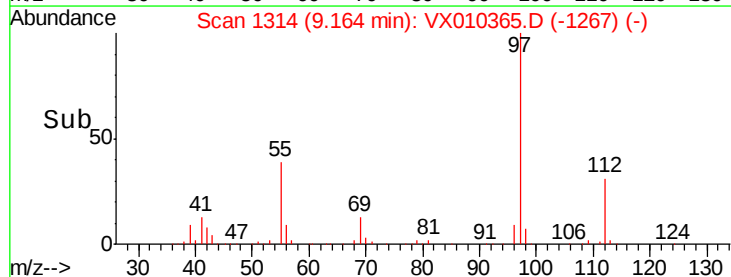
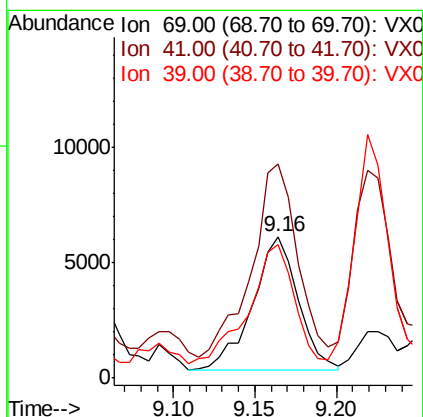
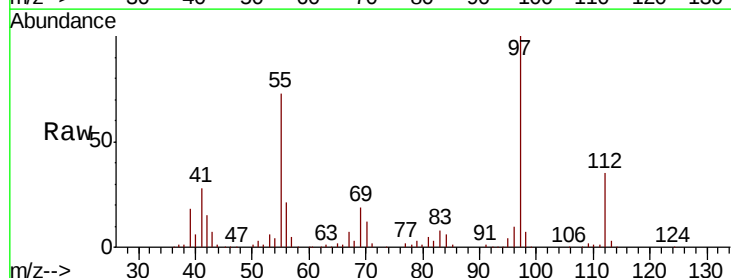
Instrument :
 MSVOA_X
 ClientSampleId :

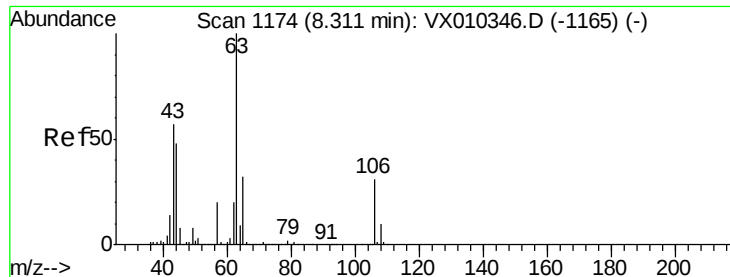
Tot Ion:	97	Resp:	49552
Ion	Ratio	Lower	Upper
97	100		
83	6.3	67.4	101.0#
85	0.6	43.8	65.8#
99	0.3	50.3	75.5#



#56
 Ethyl methacrylate
 Concen: 2.293 ug/l
 RT: 9.16 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VX010365.D
 Acq: 20 Jun 2019 18:22

Tgt Ion:	69	Resp:	11190
Ion	Ratio	Lower	Upper
69	100		
41	144.0	47.1	70.7#
39	88.6	26.6	40.0#

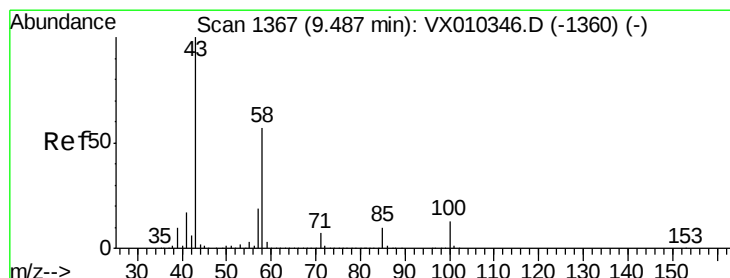
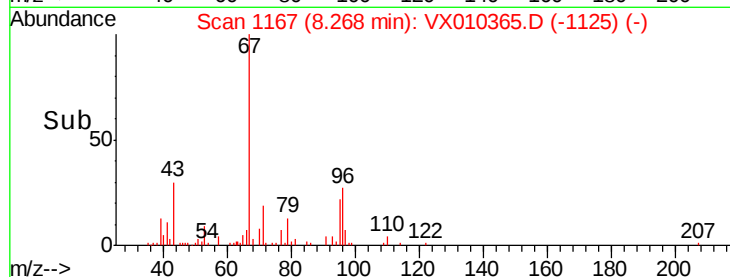
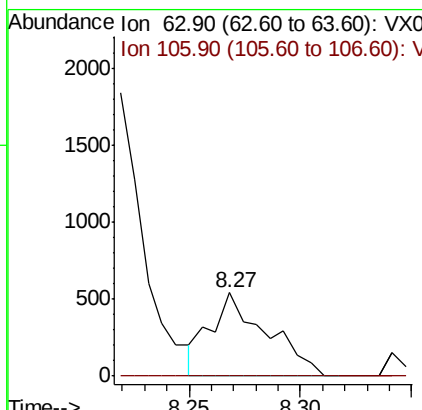
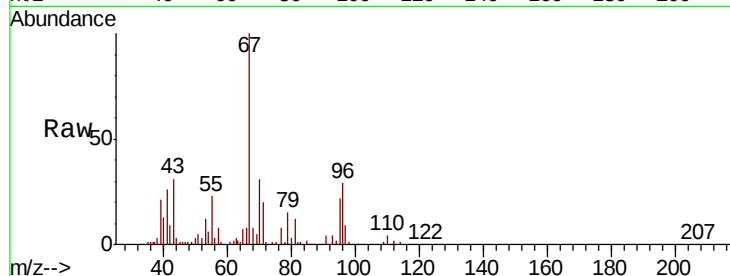




#58
2-Chloroethyl Vinyl ether
Concen: 0.412 ug/l
RT: 8.27 min Scan# 1167
Delta R.T. -0.04 min
Lab File: VX010365.D
Acq: 20 Jun 2019 18:22

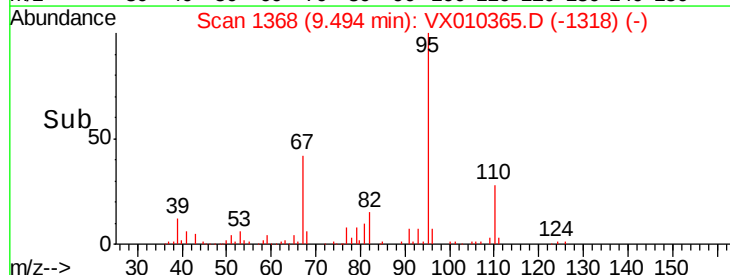
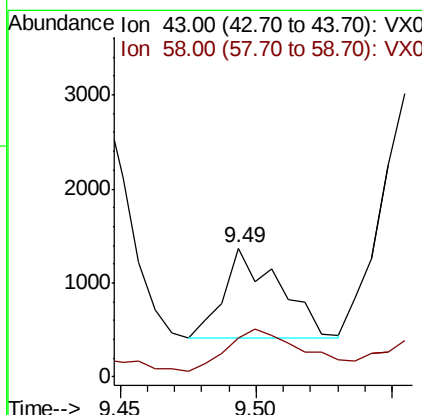
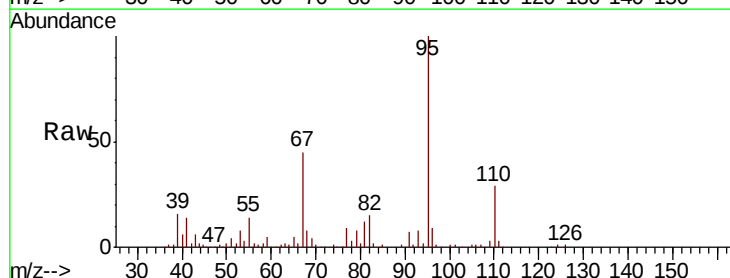
Instrument :
MSVOA_X
ClientSampleId :

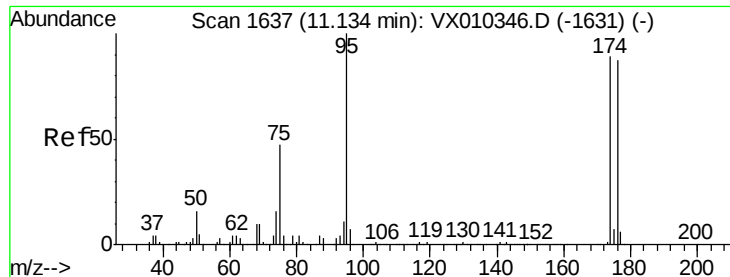
Tot Ion: 63 Resp: 956
Ion Ratio Lower Upper
63 100
106 0.0 24.7 37.1#



#59
2-Hexanone
Concen: 0.415 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX010365.D
Acq: 20 Jun 2019 18:22

Tgt Ion: 43 Resp: 1354
Ion Ratio Lower Upper
43 100
58 74.2 29.0 87.1





#62

4-Bromofluorobenzene

Concen: 49.248 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

Instrument :

MSVOA_X

ClientSampleId :

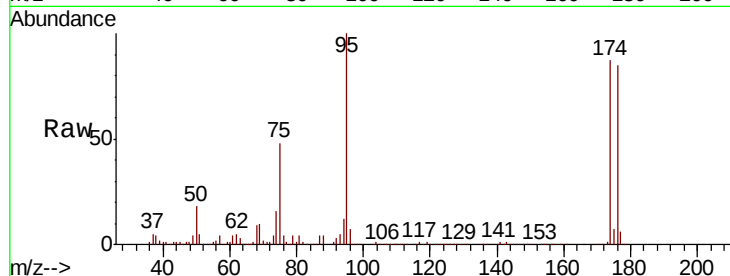
Tot Ion: 95 Resp: 199421

Ion Ratio Lower Upper

95 100

174 91.4 0.0 187.6

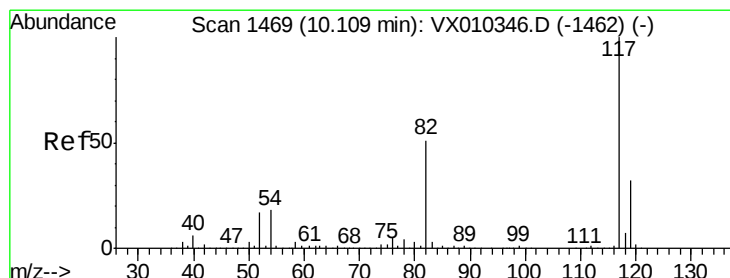
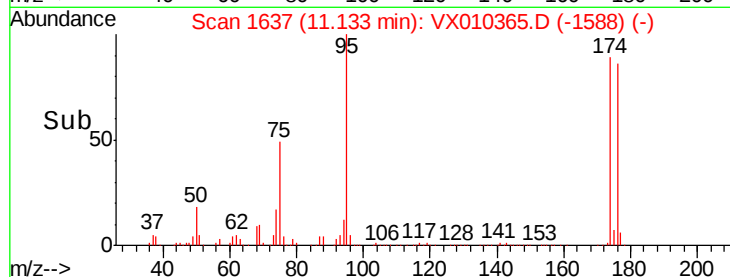
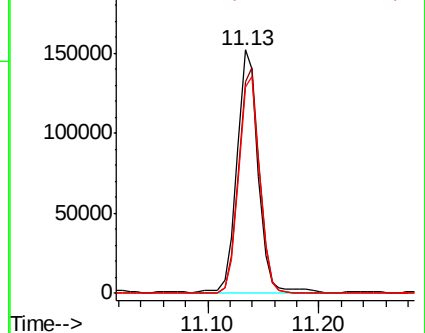
176 88.1 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010346.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010346.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010346.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

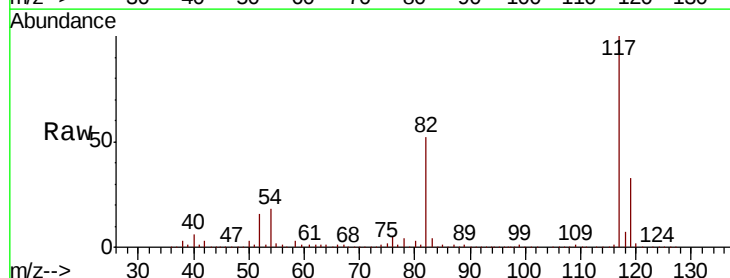
Tgt Ion: 117 Resp: 432589

Ion Ratio Lower Upper

117 100

82 51.3 41.2 61.8

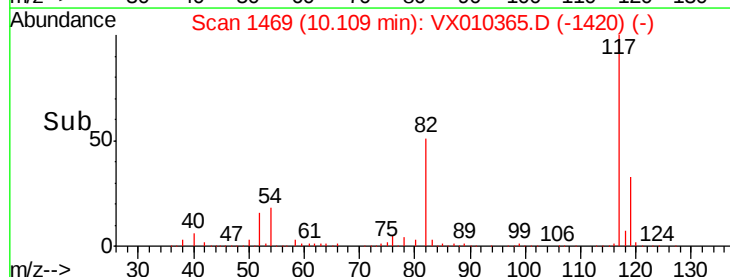
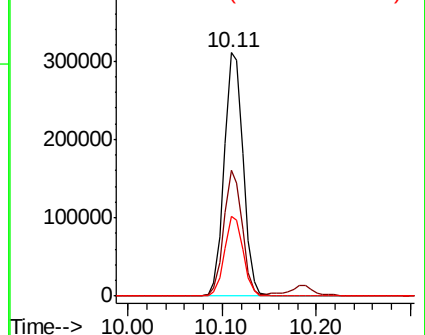
119 32.9 25.5 38.3

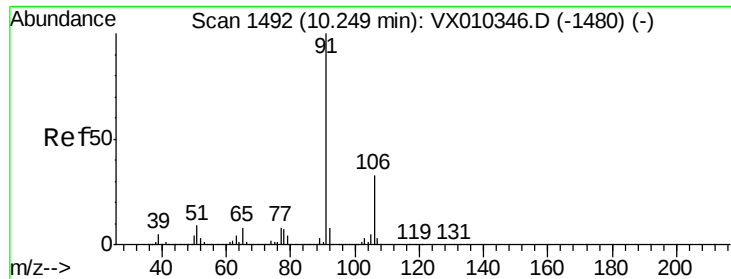


Abundance Ion 116.90 (116.60 to 117.60): VX010346.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010346.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010346.D (-1462) (-)

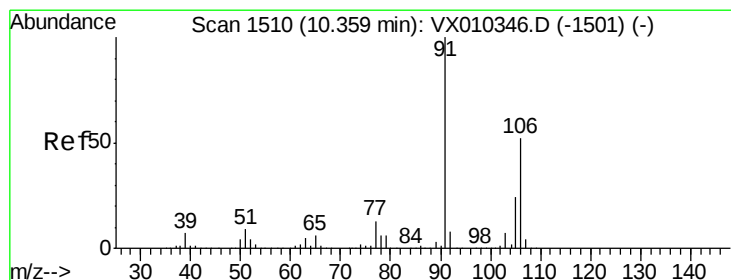
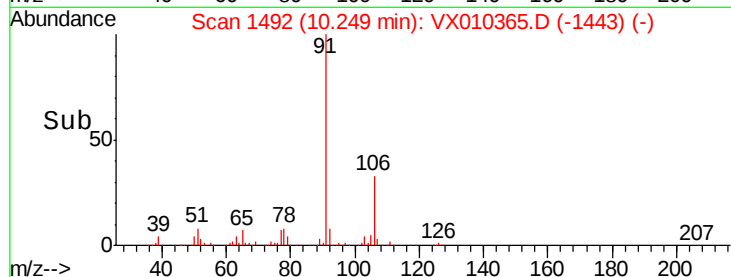
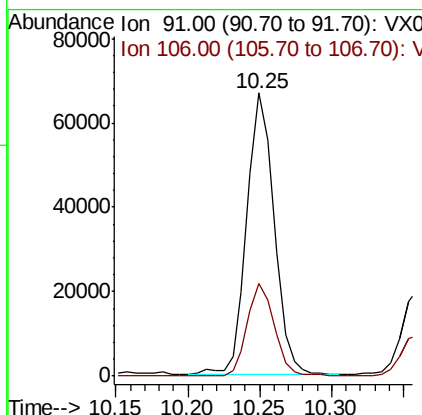
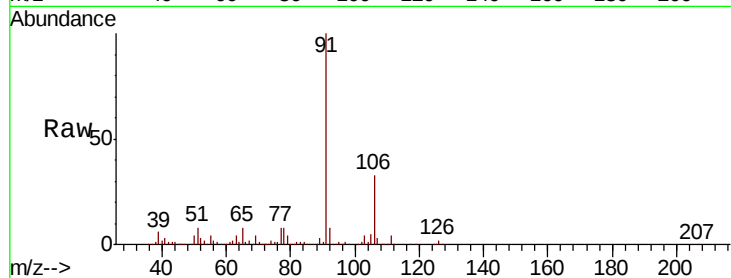




#67
Ethyl Benzene
Concen: 5.969 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010365.D
Acq: 20 Jun 2019 18:22

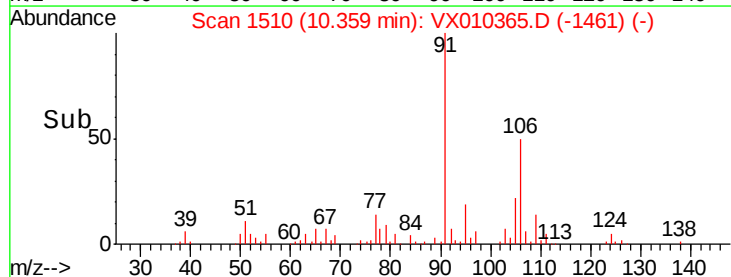
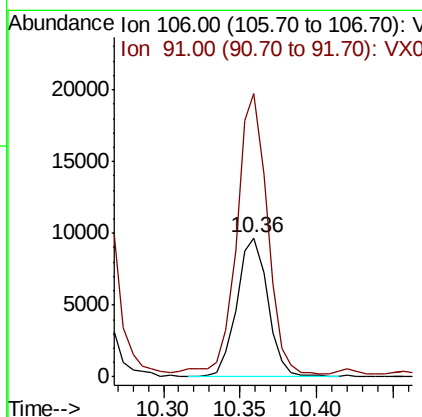
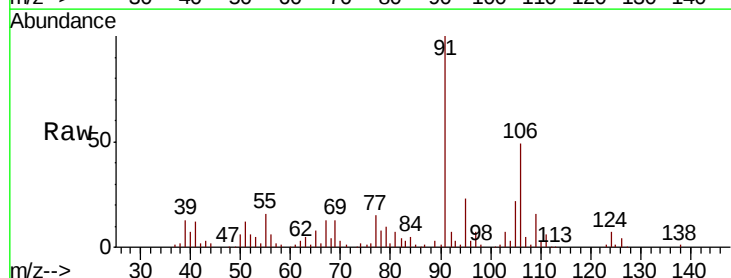
Instrument :
MSVOA_X
ClientSampleId :

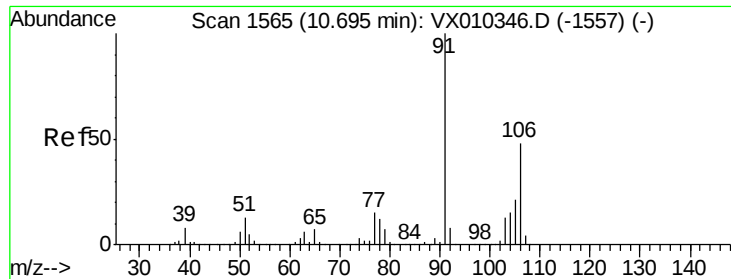
Tot Ion: 91 Resp: 88500
Ion Ratio Lower Upper
91 100
106 32.8 26.2 39.2



#68
m/p-Xylenes
Concen: 2.386 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010365.D
Acq: 20 Jun 2019 18:22

Tgt Ion: 106 Resp: 13707
Ion Ratio Lower Upper
106 100
91 197.4 155.3 232.9

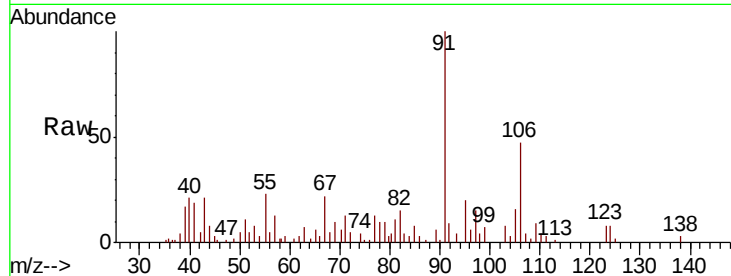




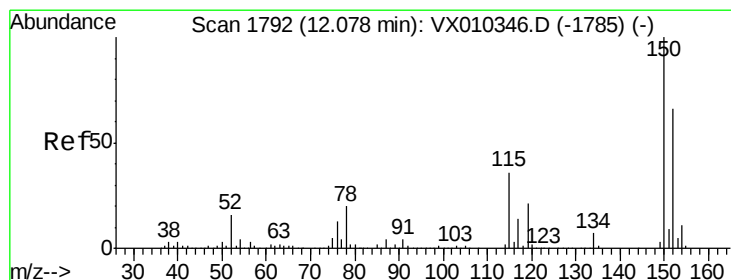
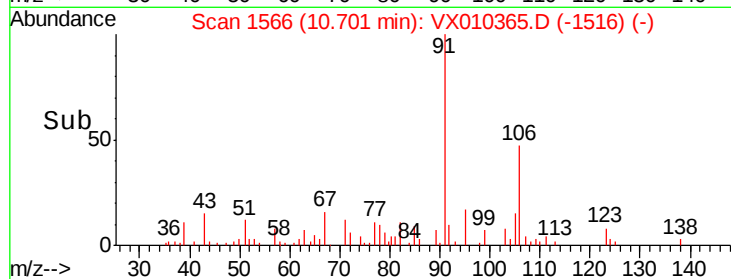
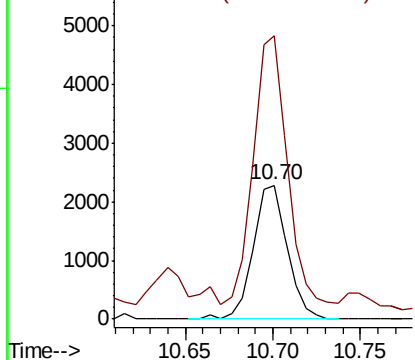
#69
o-Xylene
Concen: 0.544 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX010365.D
Acq: 20 Jun 2019 18:22

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 3075
Ion Ratio Lower Upper
106 100
91 206.9 102.7 308.1

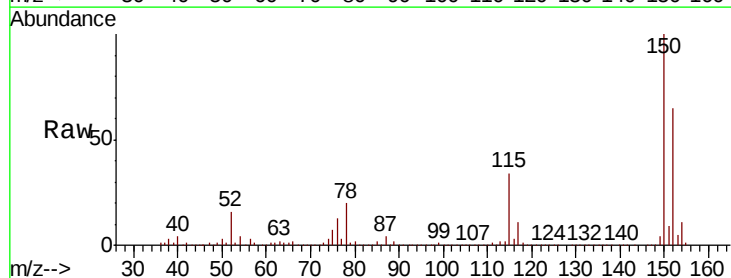


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

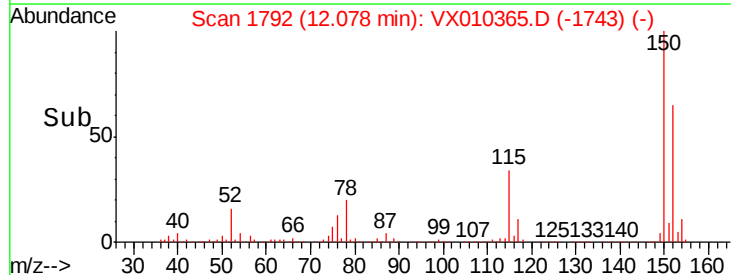
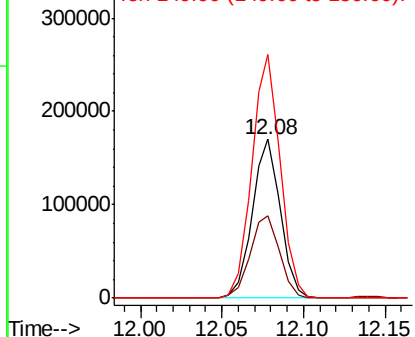


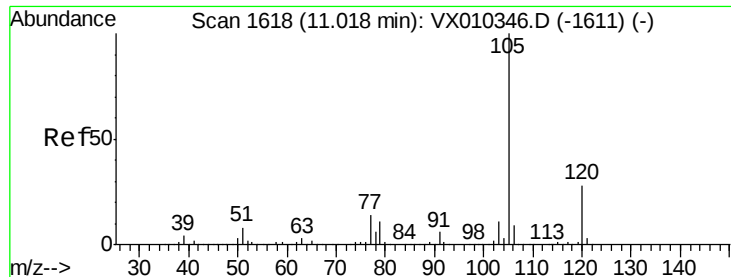
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010365.D
Acq: 20 Jun 2019 18:22

Tgt Ion:152 Resp: 203222
Ion Ratio Lower Upper
152 100
115 54.1 38.6 115.7
150 155.7 0.0 347.4



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





#73

Isopropylbenzene

Concen: 113.854 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

Instrument :

MSVOA_X

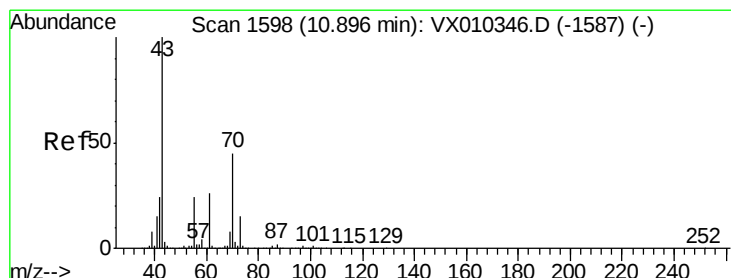
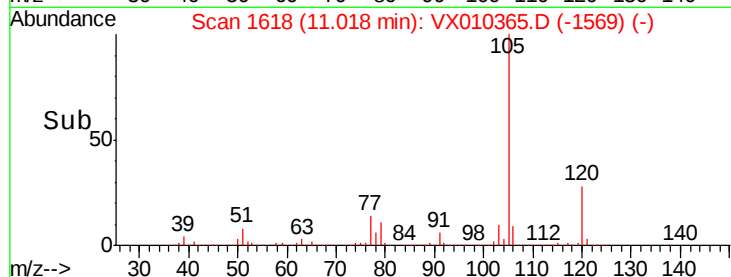
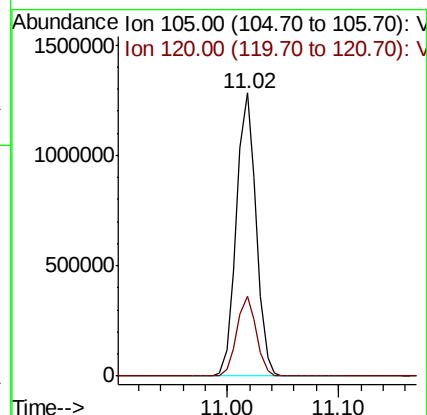
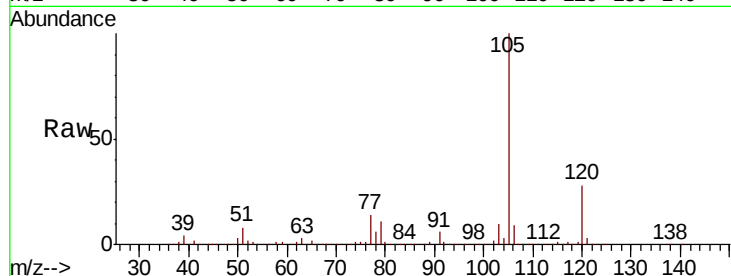
ClientSampled :

Tot Ion:105 Resp: 1568451

Ion Ratio Lower Upper

105 100

120 28.0 14.1 42.4



#74

N-ethyl acetate

Concen: 0.247 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

Tgt Ion: 43 Resp: 1287

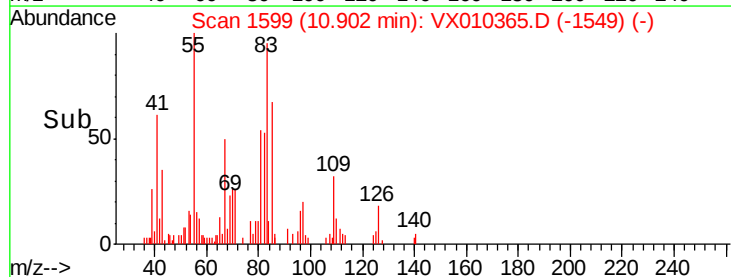
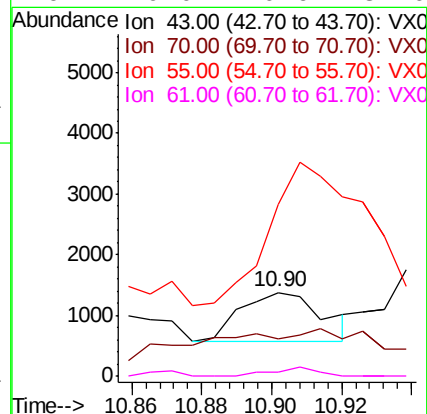
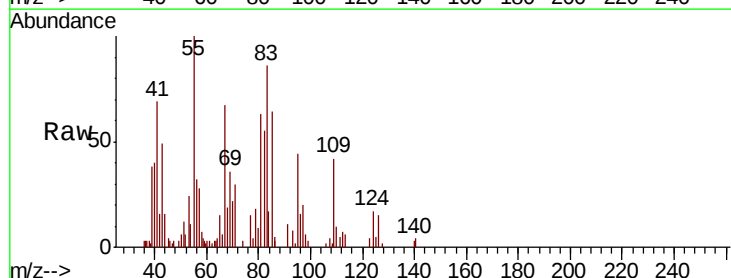
Ion Ratio Lower Upper

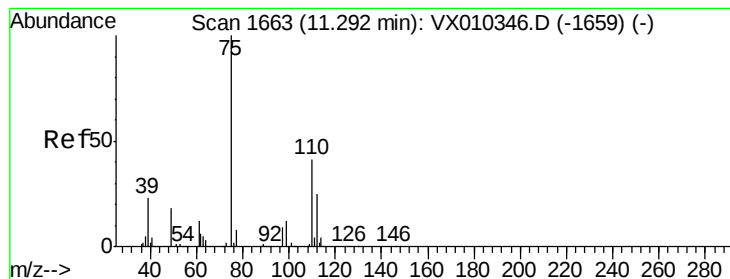
43 100

70 154.0 36.6 54.8#

55 449.0 18.7 28.1#

61 0.0 20.6 31.0#





#76

1,2,3-Trichloropropane

Concen: 6.192 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.07 min

Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

Instrument :

MSVOA_X

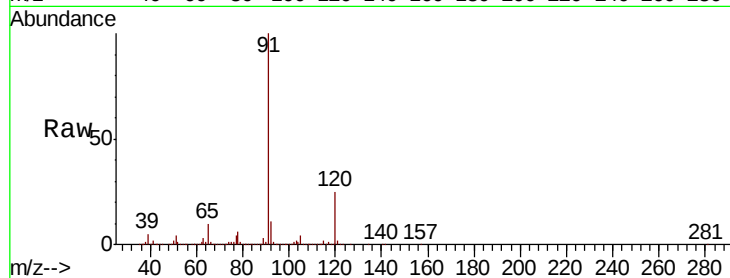
ClientSampleId :

Tot Ion: 75 Resp: 22929

Ion Ratio Lower Upper

75 100

77 647.2 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

150000

100000

50000

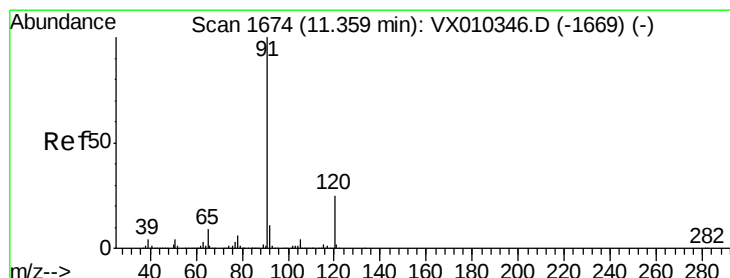
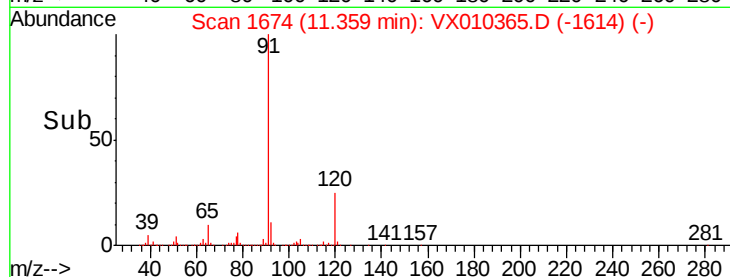
0

11.36

11.30

11.40

Time-->



#78

n-propylbenzene

Concen: 255.408 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010365.D

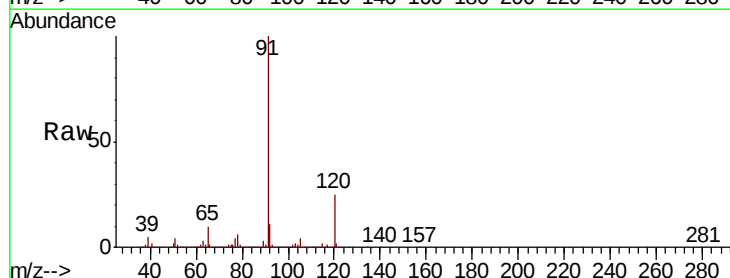
Acq: 20 Jun 2019 18:22

Tgt Ion: 91 Resp: 3866973

Ion Ratio Lower Upper

91 100

120 24.8 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

3000000

2000000

1000000

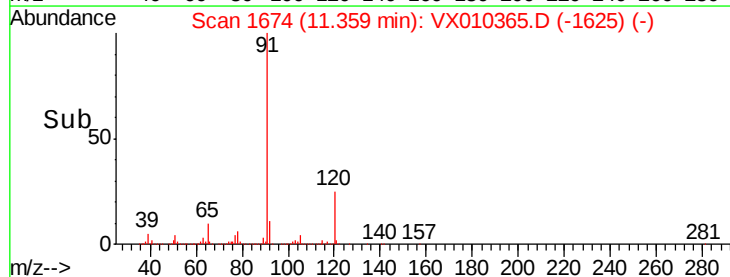
0

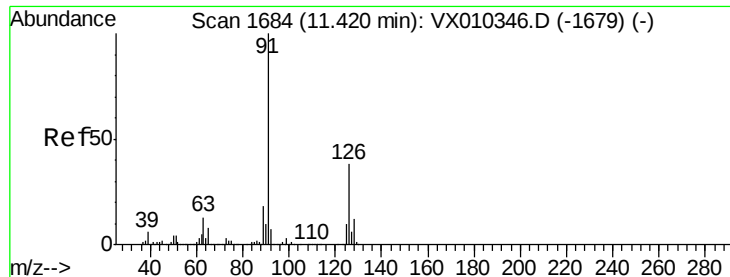
11.36

11.30

11.40

Time-->





#79

2-Chlorotoluene

Concen: 428.915 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.06 min

Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

Instrument :

MSVOA_X

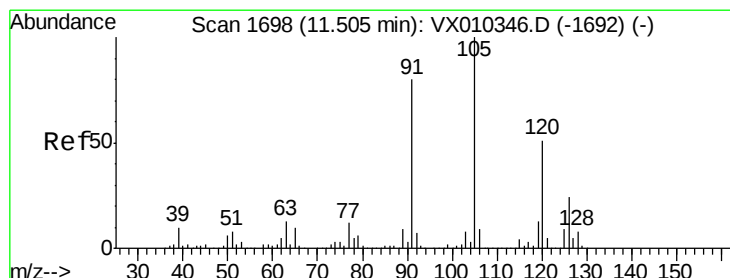
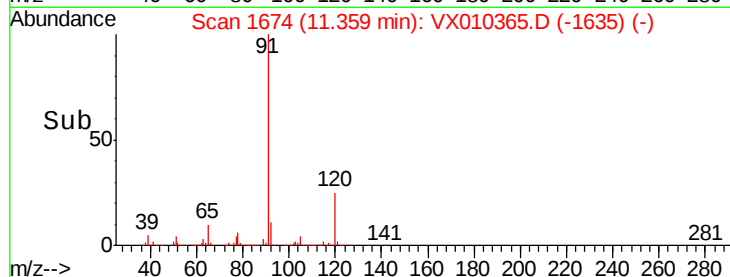
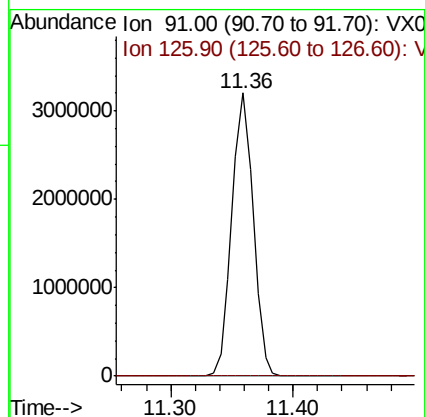
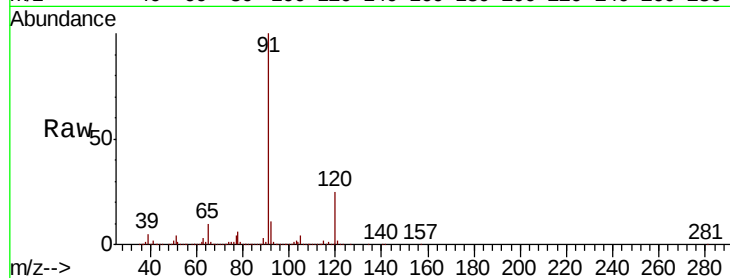
ClientSampleId :

Tot Ion: 91 Resp: 3866973

Ion Ratio Lower Upper

91 100

126 0.0 18.7 56.1#



#80

1,3,5-Trimethylbenzene

Concen: 14.458 ug/l

RT: 11.66 min Scan# 1724

Delta R.T. 0.16 min

Lab File: VX010365.D

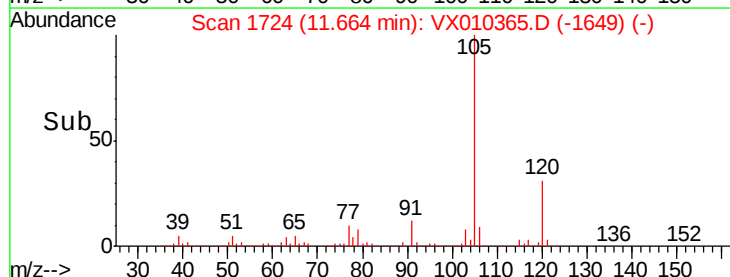
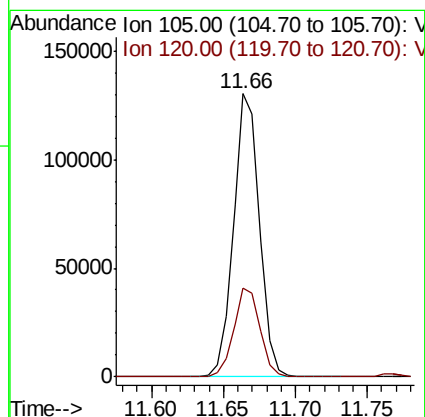
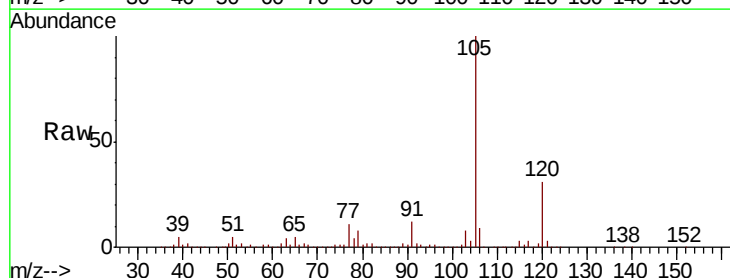
Acq: 20 Jun 2019 18:22

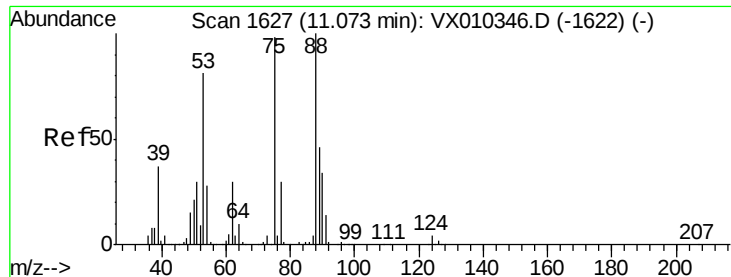
Tgt Ion:105 Resp: 164191

Ion Ratio Lower Upper

105 100

120 31.8 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 10.471 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.05 min

Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

Instrument :

MSVOA_X

ClientSampleId :

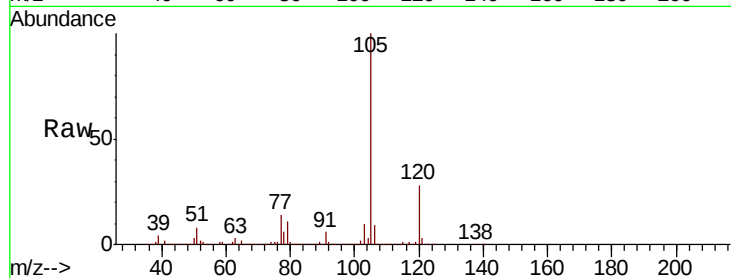
Tot Ion: 75 Resp: 16621

Ion Ratio Lower Upper

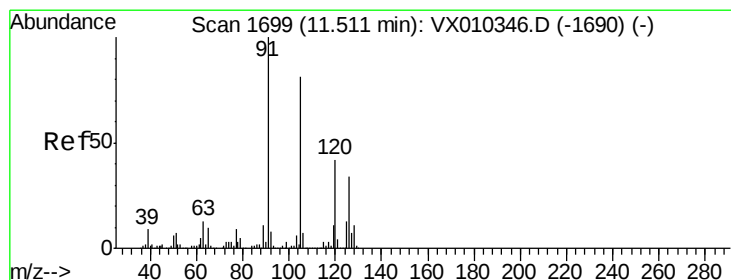
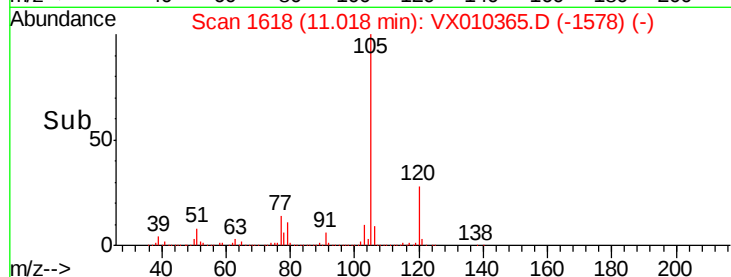
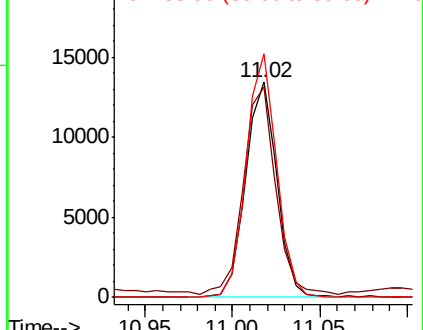
75 100

53 98.9 66.1 99.1

89 110.5 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: 376.937 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.15 min

Lab File: VX010365.D

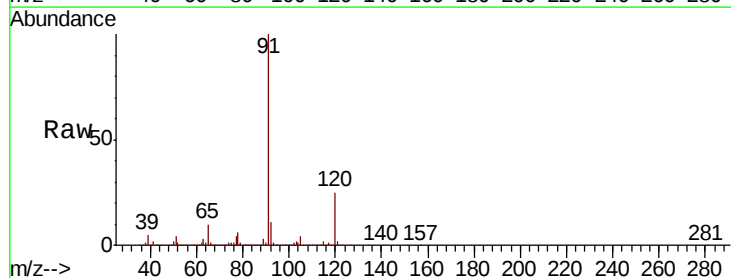
Acq: 20 Jun 2019 18:22

Tgt Ion: 91 Resp: 3866973

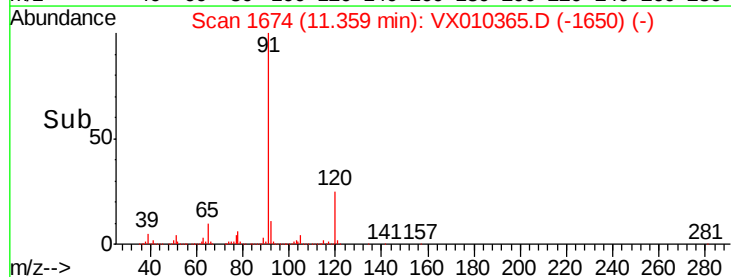
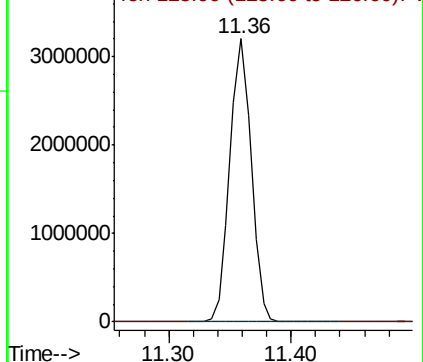
Ion Ratio Lower Upper

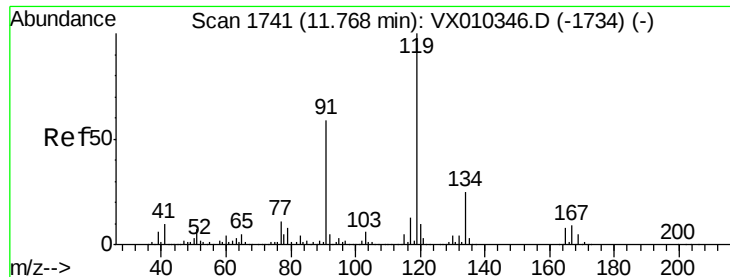
91 100

126 0.0 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: 1.529 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

Instrument :

MSVOA_X

ClientSampleId :

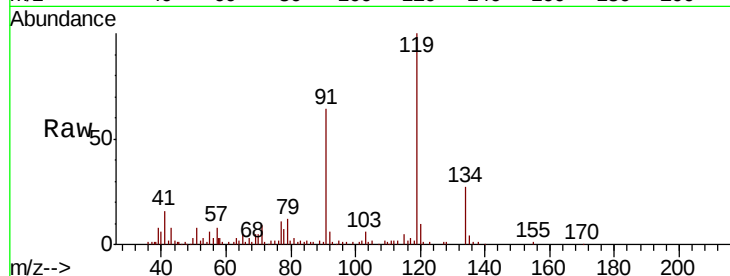
Tot Ion:119 Resp: 17425

Ion Ratio Lower Upper

119 100

91 65.5 27.6 82.7

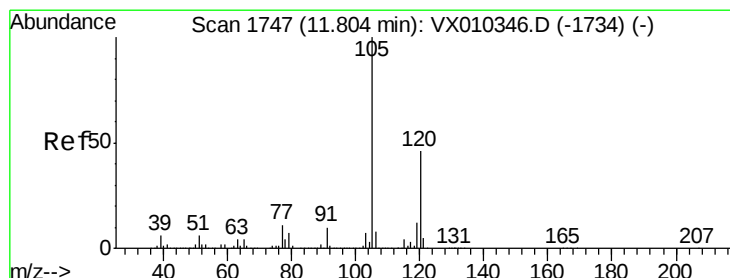
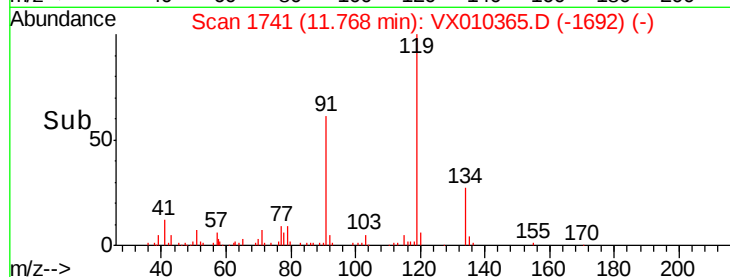
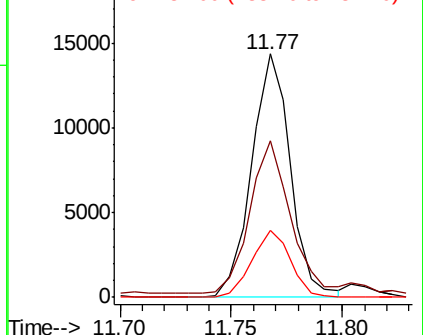
134 26.9 11.8 35.4



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: 14.390 ug/l

RT: 11.66 min Scan# 1724

Delta R.T. -0.14 min

Lab File: VX010365.D

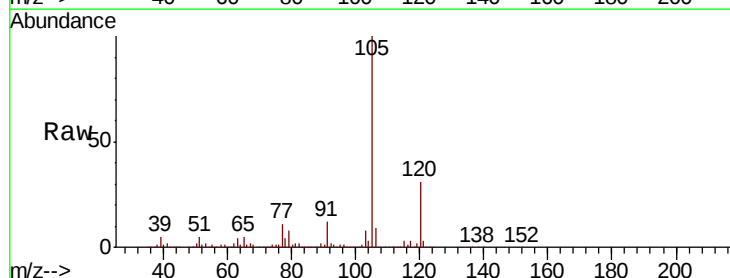
Acq: 20 Jun 2019 18:22

Tgt Ion:105 Resp: 164191

Ion Ratio Lower Upper

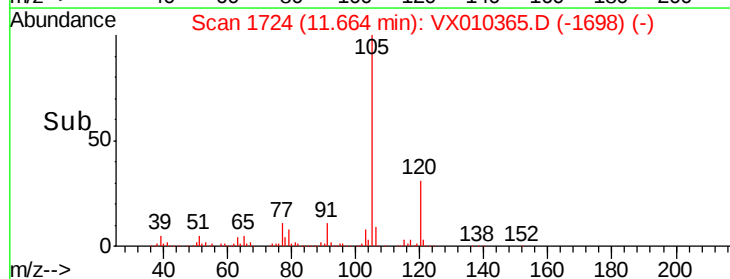
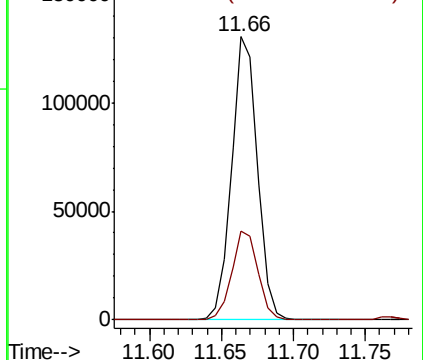
105 100

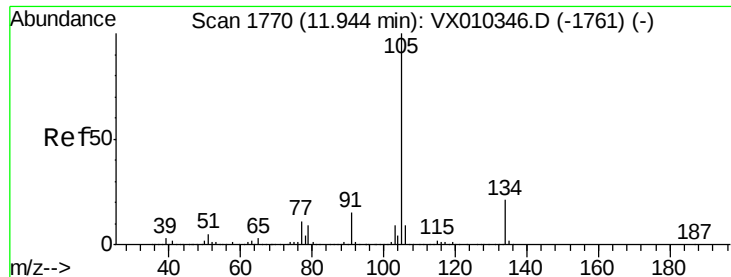
120 31.8 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.816 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

Instrument :

MSVOA_X

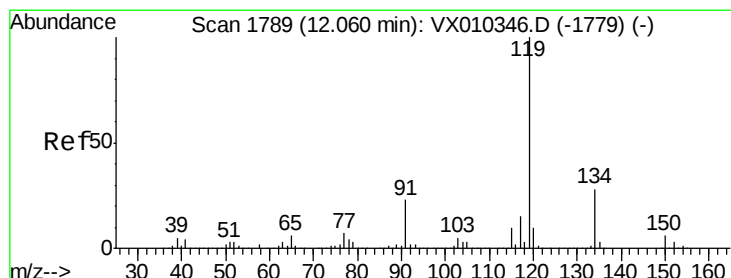
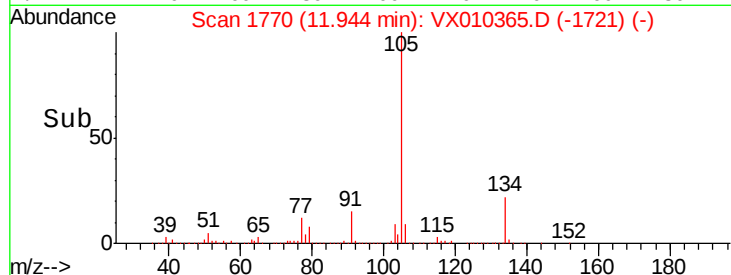
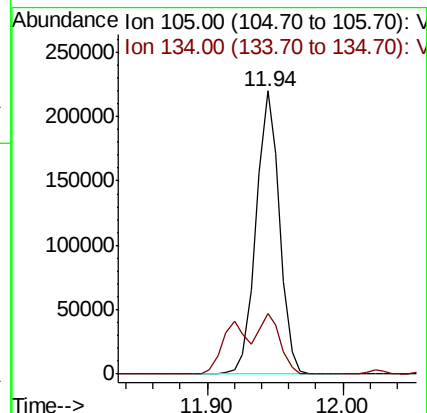
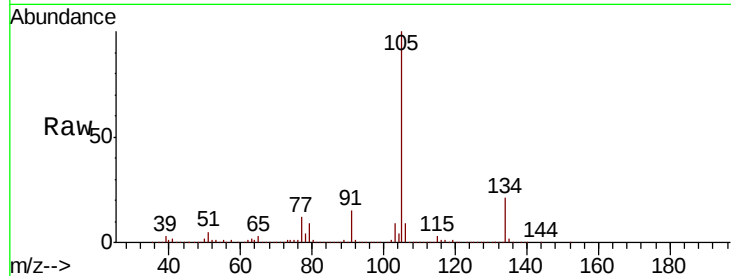
ClientSampleId :

Tot Ion:105 Resp: 265203

Ion Ratio Lower Upper

105 100

134 19.6 10.7 31.9



#86

p-Isopropyltoluene

Concen: 4.829 ug/l

RT: 12.23 min Scan# 1817

Delta R.T. 0.17 min

Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

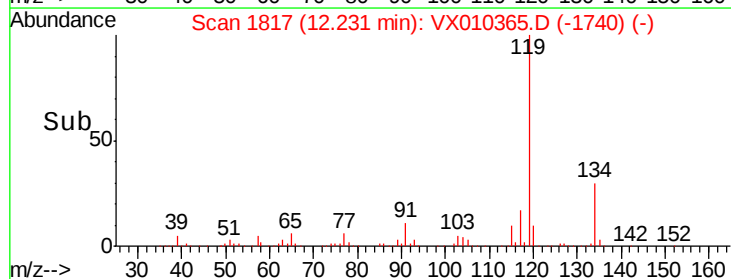
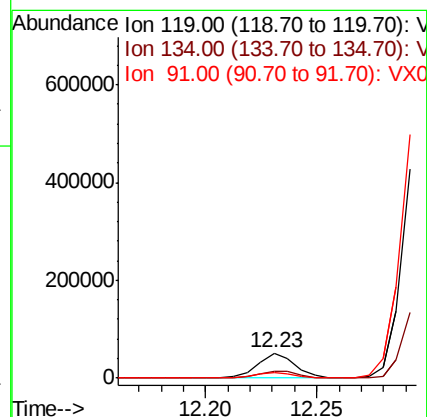
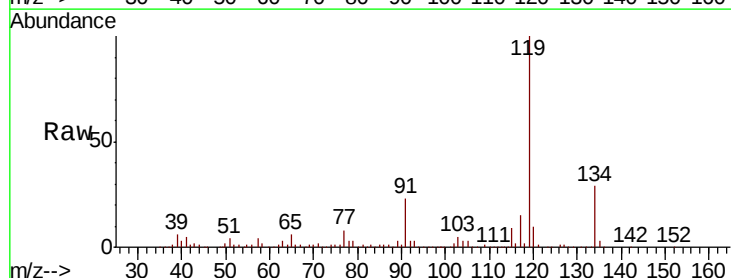
Tgt Ion:119 Resp: 59784

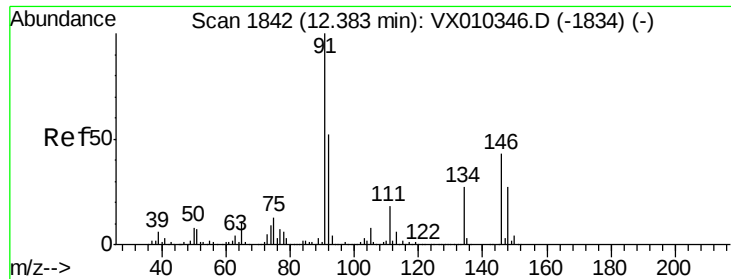
Ion Ratio Lower Upper

119 100

134 29.7 13.7 41.1

91 0.0 11.3 33.8#

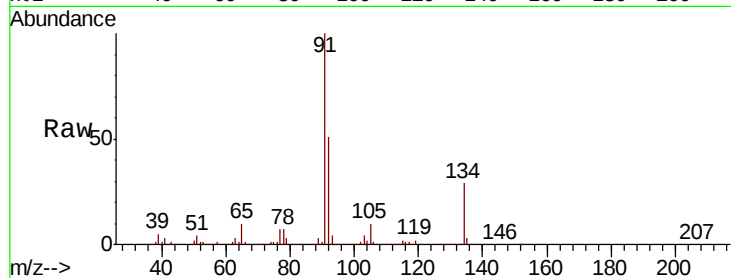




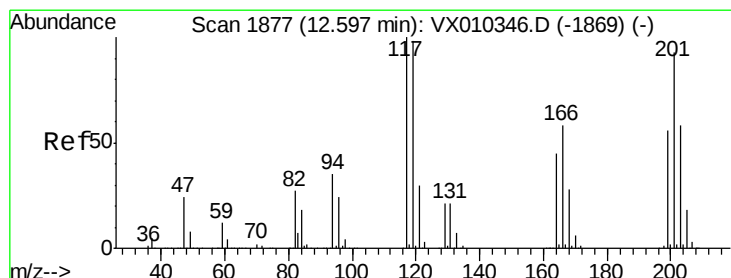
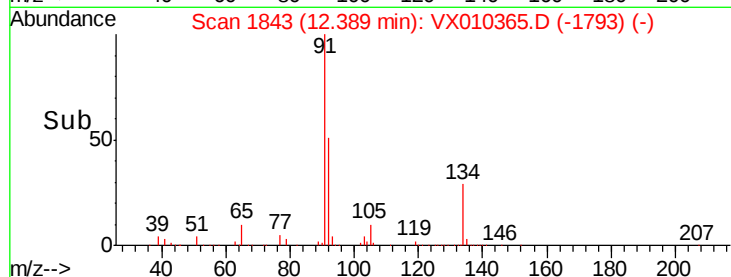
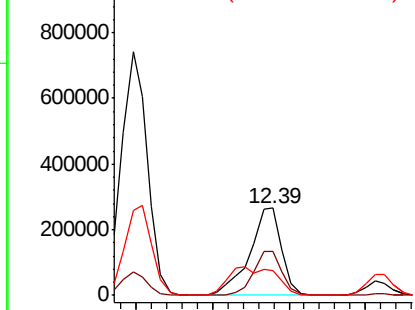
#89
n-Butylbenzene
Concen: 36.638 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX010365.D
Acq: 20 Jun 2019 18:22

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 91 Resp: 385400
Ion Ratio Lower Upper
91 100
92 45.0 26.2 78.5
134 49.0 14.1 42.4#

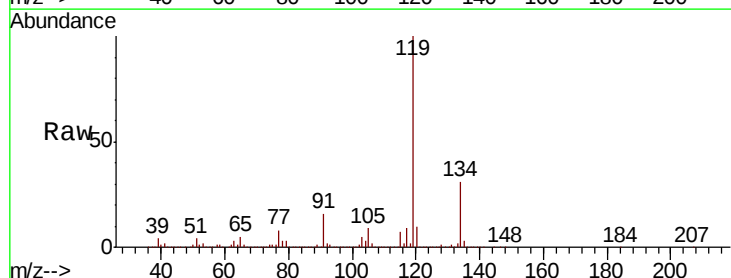


Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0
Ion 134.00 (133.70 to 134.70): V

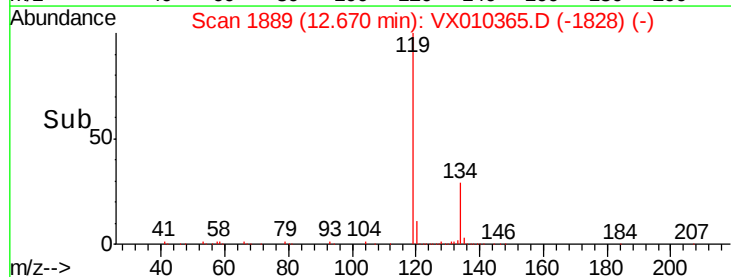
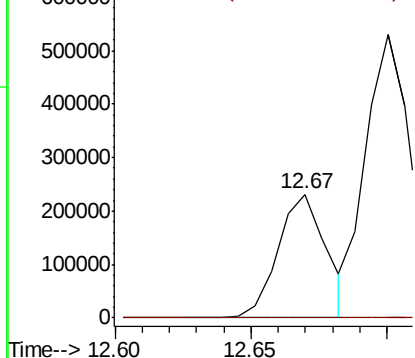


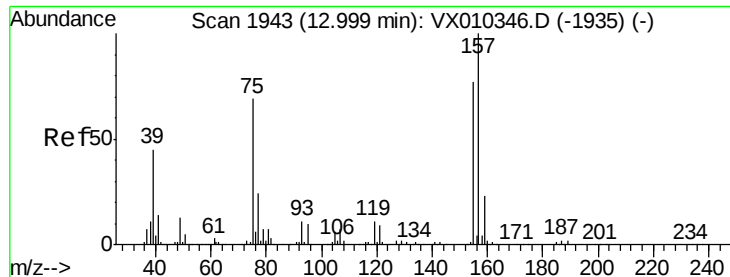
#90
Hexachloroethane
Concen: 131.692 ug/l
RT: 12.67 min Scan# 1889
Delta R.T. 0.07 min
Lab File: VX010365.D
Acq: 20 Jun 2019 18:22

Tgt Ion: 117 Resp: 281890
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: 12.525 ug/l

RT: 12.97 min Scan# 1939

Delta R.T. -0.02 min

Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

Instrument :

MSVOA_X

ClientSampleId :

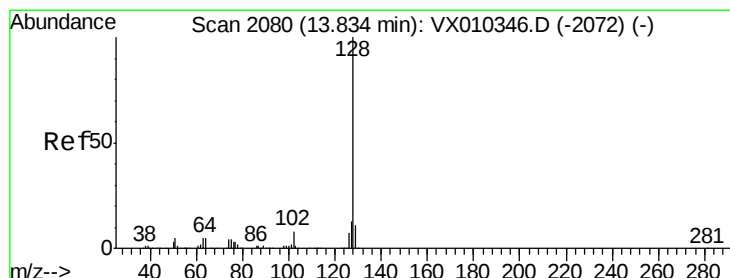
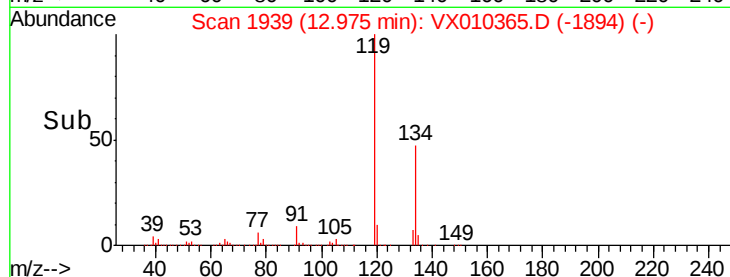
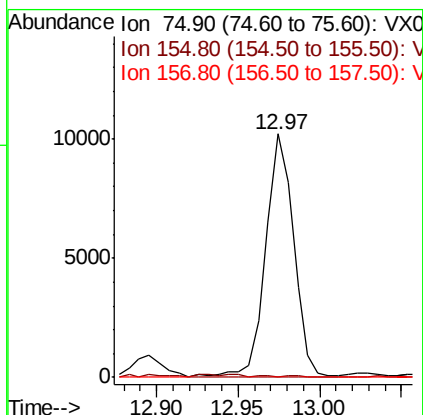
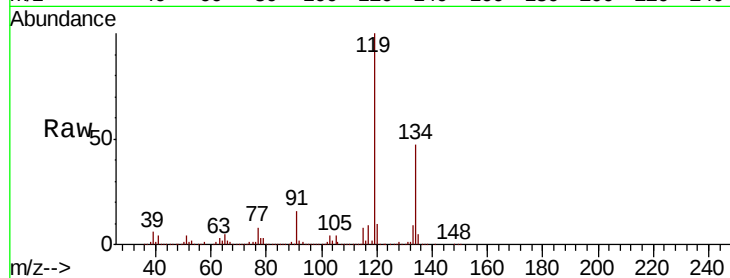
Tot Ion: 75 Resp: 12320

Ion Ratio Lower Upper

75 100

155 0.5 54.4 163.1#

157 0.0 69.5 208.3#



#95

Naphthalene

Concen: 119.195 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX010365.D

Acq: 20 Jun 2019 18:22

Tgt Ion:128 Resp: 1695170

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

129 11.6 8.9 13.3

