

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062019\
 Data File : VX010358.D
 Acq On : 20 Jun 2019 15:38
 Operator : JC/SP
 Sample : K3469-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 21 01:22:00 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	315939	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	475737	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	431540	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	209439	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	143539	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	
35) Dibromofluoromethane	5.50	113	145499	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
50) Toluene-d8	8.71	98	566568	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
62) 4-Bromofluorobenzene	11.13	95	195325	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	693	0.271	ug/l #	86
5) Bromomethane	1.64	94	899	0.659	ug/l #	65
10) Methyl Iodide	2.52	142	1013	0.264	ug/l #	94
11) Tert butyl alcohol	3.04	59	1352	1.744	ug/l #	74
13) Acrolein	2.29	56	112	0.218	ug/l #	14
14) Allyl chloride	2.60	41	951	0.245	ug/l #	52
15) Acrylonitrile	3.17	53	2165	1.411	ug/l #	49
16) Acetone	2.45	43	4743	3.195	ug/l	90
18) Methyl Acetate	2.84	43	16213	5.479	ug/l #	48
19) Methyl tert-butyl Ether	3.19	73	7963	0.924	ug/l #	1
20) Methylene Chloride	2.87	84	614	0.201	ug/l #	53
25) 2-Butanone	4.70	43	839	0.385	ug/l	99
30) Chloroform	5.28	83	8422	1.666	ug/l #	27
31) Cyclohexane	5.59	56	40345	9.429	ug/l #	78
36) 1,1-Dichloropropene	5.66	75	19549	5.171	ug/l #	47
38) Carbon Tetrachloride	5.66	117	27162	6.635	ug/l #	16
39) Methylcyclohexane	7.46	83	136729	27.515	ug/l	96
40) Benzene	6.14	78	3465	0.294	ug/l	94
43) Isopropyl Acetate	6.46	43	4408	0.685	ug/l #	59
46) Dibromomethane	7.64	93	825	0.387	ug/l #	1
47) Bromodichloromethane	7.84	83	2502	0.640	ug/l #	80
48) Methyl methacrylate	7.74	41	22098	7.388	ug/l #	51
49) 1,4-Dioxane	7.72	88	21	0.244	ug/l #	1
52) Toluene	8.79	92	4703	0.606	ug/l	96
55) 1,1,2-Trichloroethane	9.16	97	38557	12.053	ug/l #	19
56) Ethyl methacrylate	9.16	69	9548	1.970	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.26	63	1065	0.463	ug/l #	44
67) Ethyl Benzene	10.25	91	9015	0.610	ug/l	92
68) m/p-Xylenes	10.36	106	1441	0.251	ug/l #	59
69) o-Xylene	10.69	106	1986	0.352	ug/l	82
73) Isopropylbenzene	11.02	105	599380	42.218	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	1322	0.281	ug/l #	85
76) 1,2,3-Trichloropropane	11.36	75	16662	4.366	ug/l #	1
78) n-propylbenzene	11.36	91	2840834	182.063	ug/l	100

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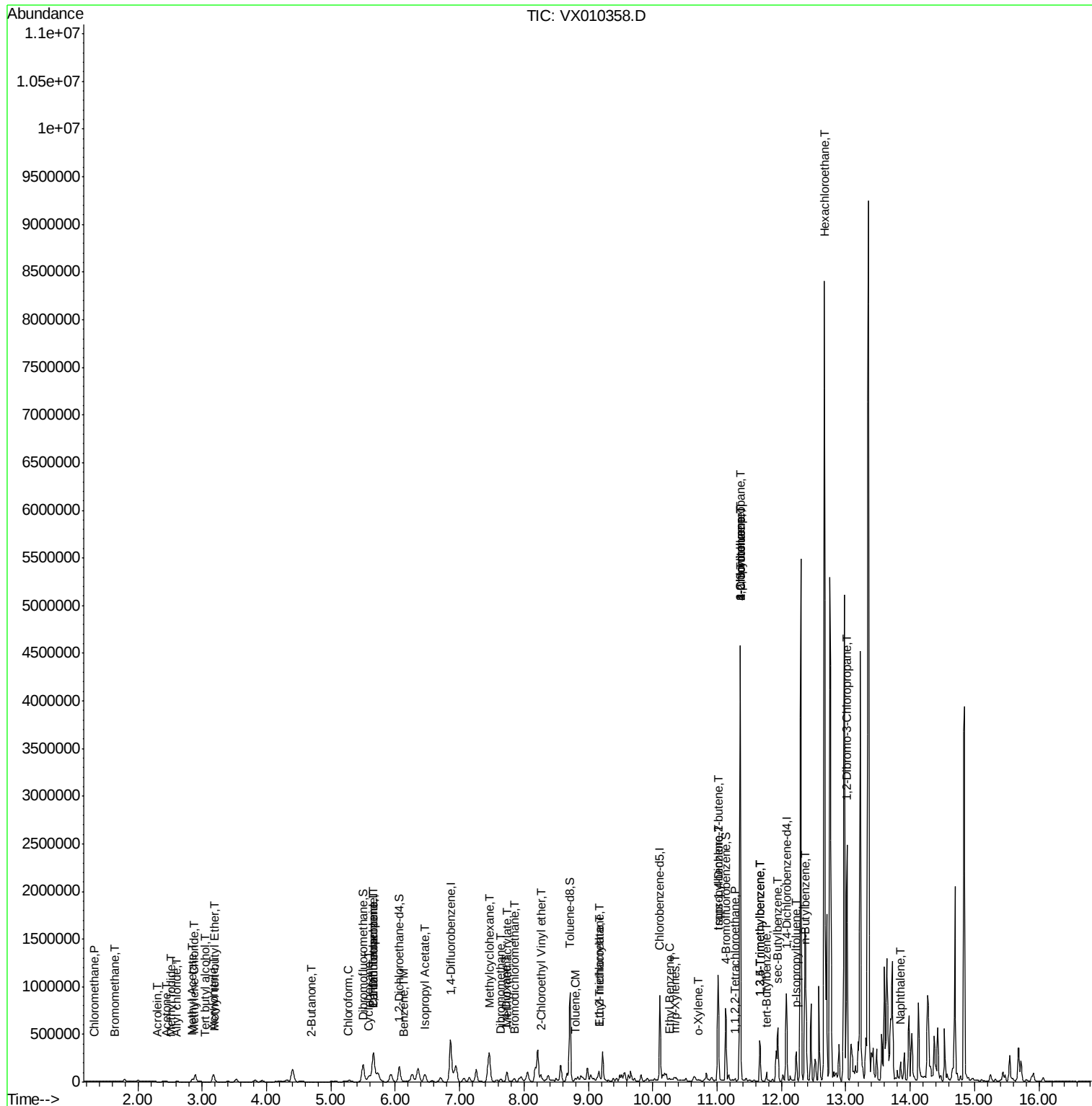
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

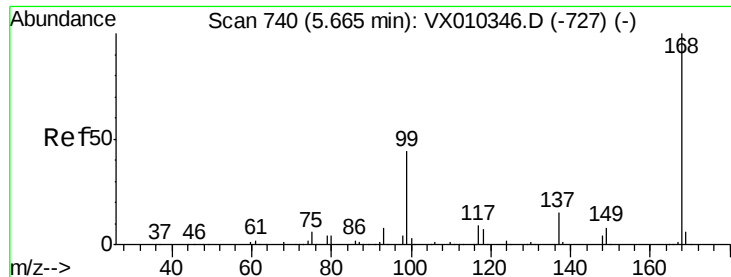
79) 2-Chlorotoluene	11.36	91	2840834	305.745	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.66	105	193742	16.553	ug/l	73
81) trans-1,4-Dichloro-2-buten	11.02	75	6478	3.960	ug/l #	56
82) 4-Chlorotoluene	11.36	91	2840834	268.693	ug/l #	42
83) tert-Butylbenzene	11.77	119	36635	3.119	ug/l	89
84) 1,2,4-Trimethylbenzene	11.66	105	193742	16.476	ug/l	79
85) sec-Butylbenzene	11.94	105	298757	21.660	ug/l	95
86) p-Isopropyltoluene	12.23	119	141631	11.101	ug/l	98
89) n-Butylbenzene	12.38	91	397377	36.655	ug/l #	58
90) Hexachloroethane	12.67	117	353245	160.129	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	13.02	75	7046	6.951	ug/l #	1
95) Naphthalene	13.83	128	9933	0.678	ug/l #	69

(#) = 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# 739

Delta R.T. -0.01 min

Lab File: VX010358.D

Acq: 20 Jun 2019 15:38

Instrument :

MSVOA_X

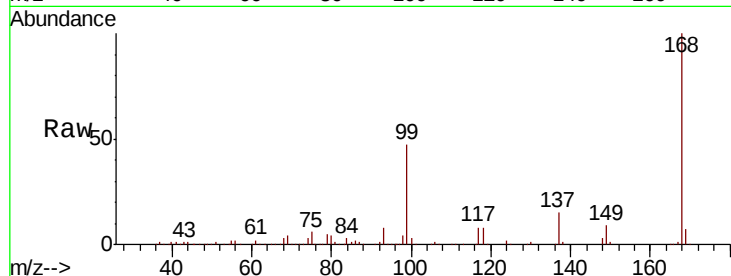
ClientSampleId :

Tot Ion:168 Resp: 315939

Ion Ratio Lower Upper

168 100

99 47.3 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

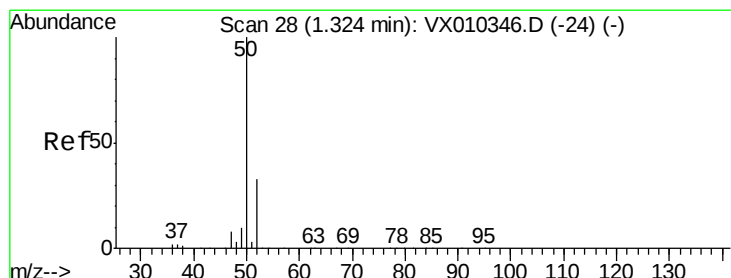
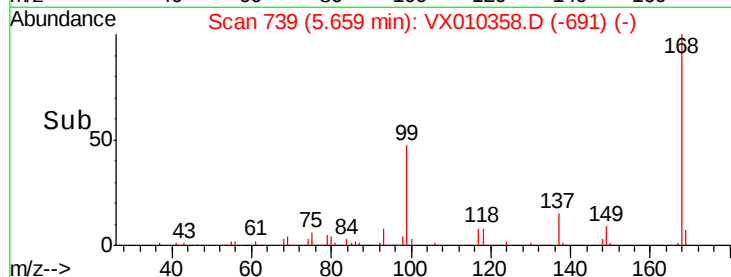
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.271 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010358.D

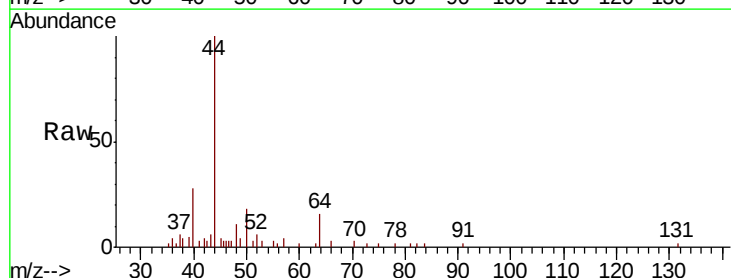
Acq: 20 Jun 2019 15:38

Tgt Ion: 50 Resp: 693

Ion Ratio Lower Upper

50 100

52 25.0 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

600

500

400

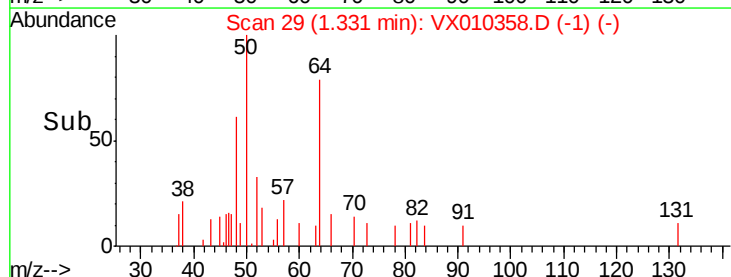
300

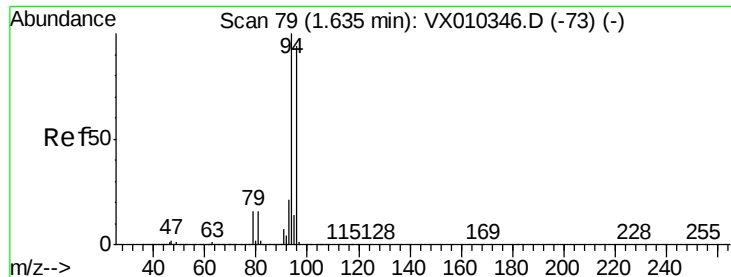
200

100

0

Time--> 1.25 1.30 1.35





#5

Bromomethane

Concen: 0.659 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010358.D

Acq: 20 Jun 2019 15:38

Instrument :

MSVOA_X

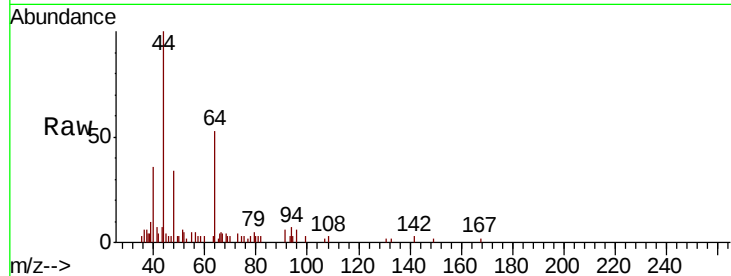
ClientSampled :

Tot Ion: 94 Resp: 899

Ion Ratio Lower Upper

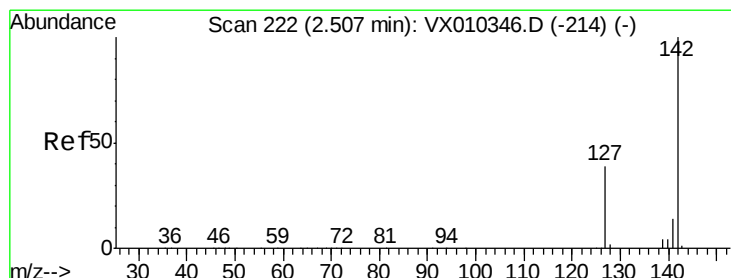
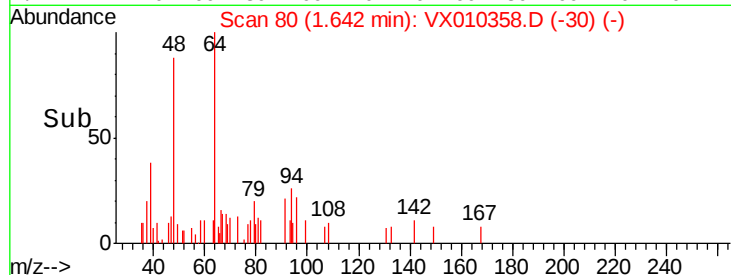
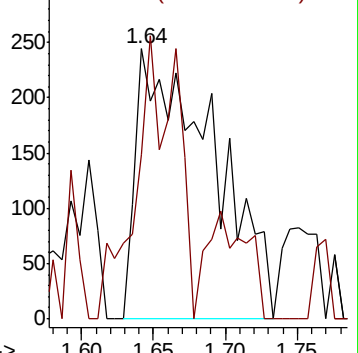
94 100

96 60.7 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 0.264 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX010358.D

Acq: 20 Jun 2019 15:38

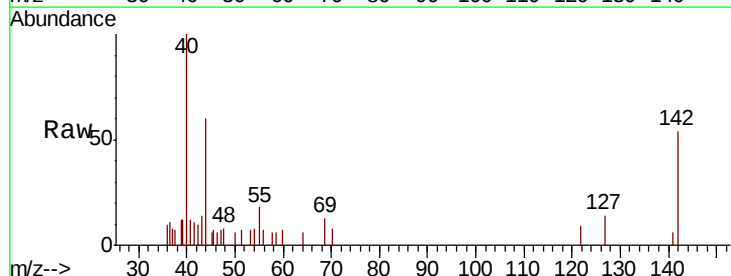
Tgt Ion:142 Resp: 1013

Ion Ratio Lower Upper

142 100

127 41.8 31.1 46.7

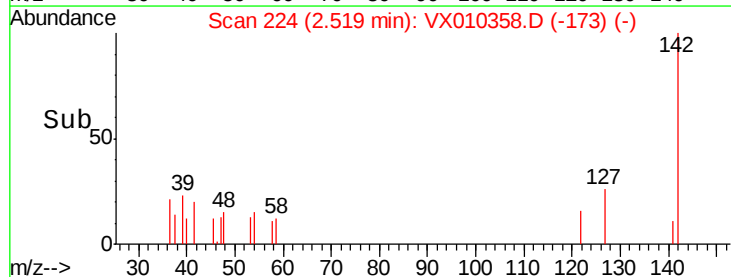
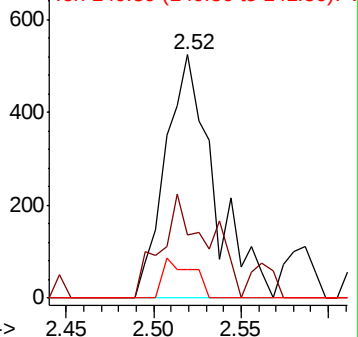
141 9.7 11.2 16.8#

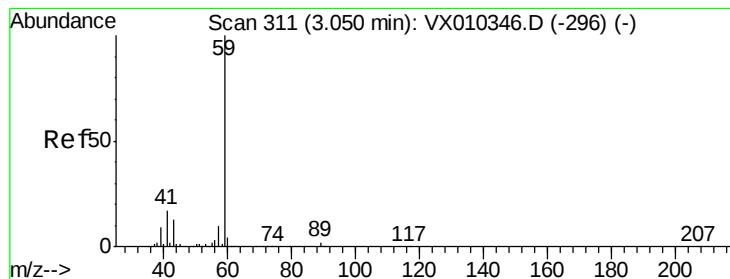


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



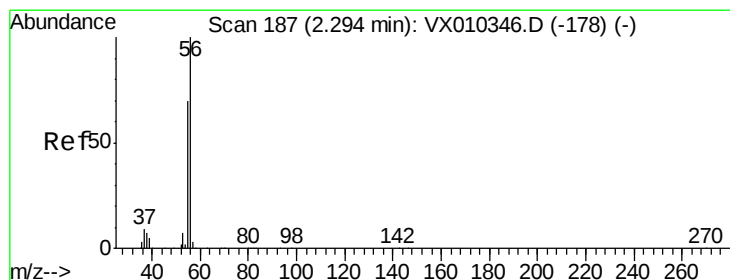
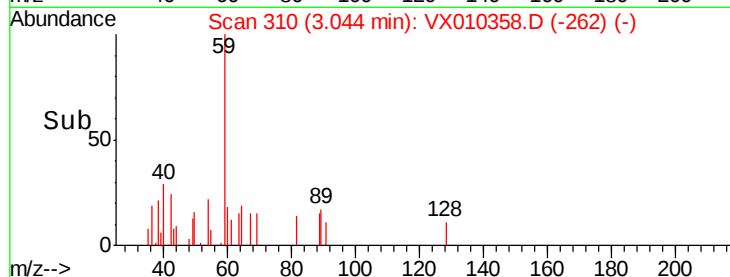
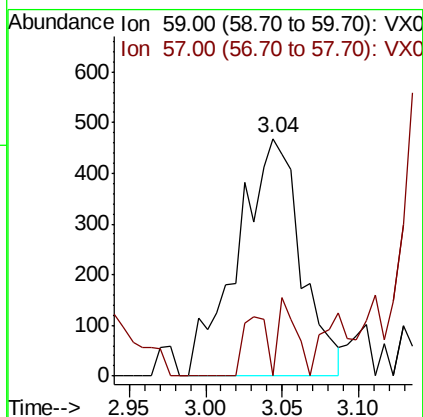
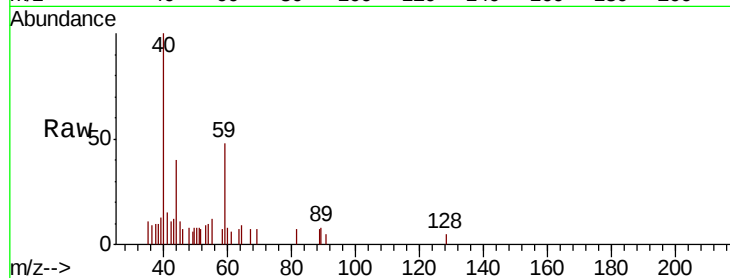


#11

Tert butyl alcohol
 Concen: 1.744 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.01 min
 Lab File: VX010358.D
 Acq: 20 Jun 2019 15:38

Instrument :
 MSVOA_X
 ClientSampled :

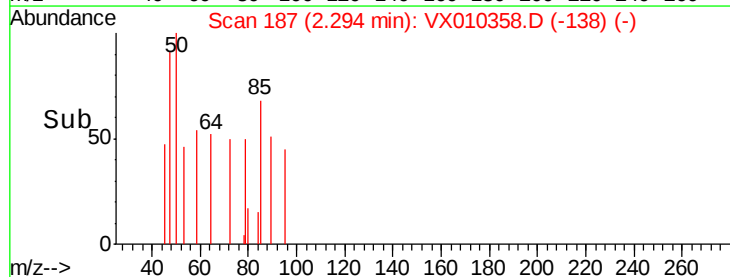
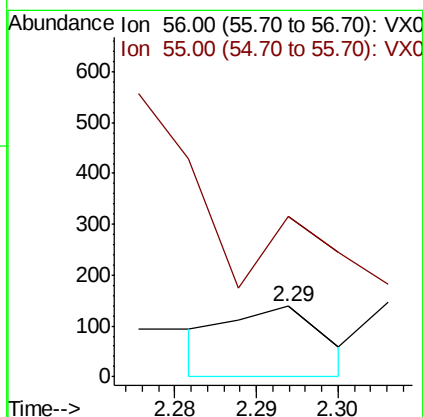
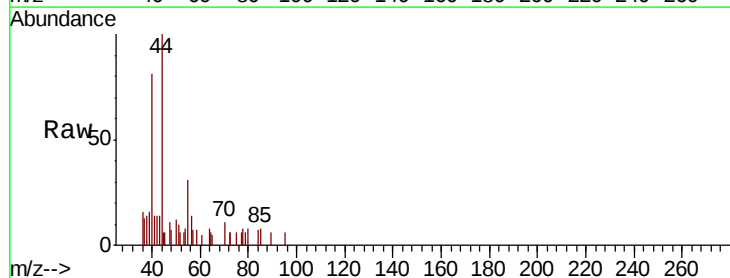
Tot Ion: 59 Resp: 1352
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#

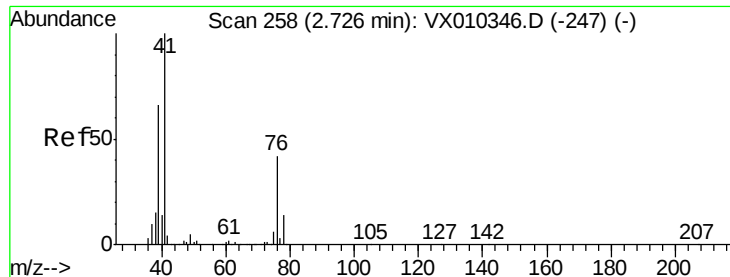


#13

Acrolein
 Concen: 0.218 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX010358.D
 Acq: 20 Jun 2019 15:38

Tgt Ion: 56 Resp: 112
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.9 85.3#





#14

Allvl chloride

Concen: 0.245 ug/l

RT: 2.60 min Scan# 238

Delta R.T. -0.12 min

Lab File: VX010358.D

Acq: 20 Jun 2019 15:38

Instrument :

MSVOA_X

ClientSampleId :

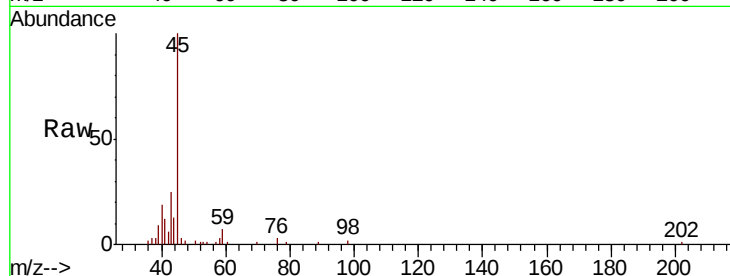
Tot Ion: 41 Resp: 951

Ion Ratio Lower Upper

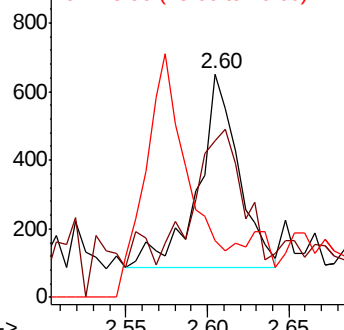
41 100

39 92.5 50.3 75.5#

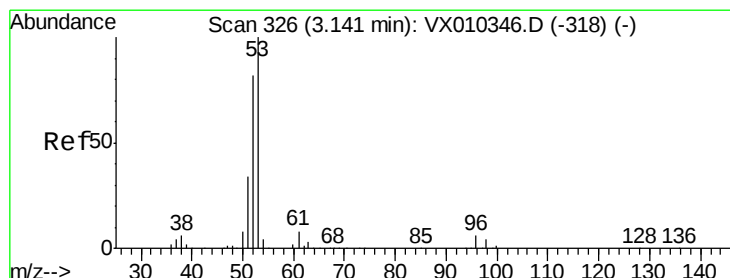
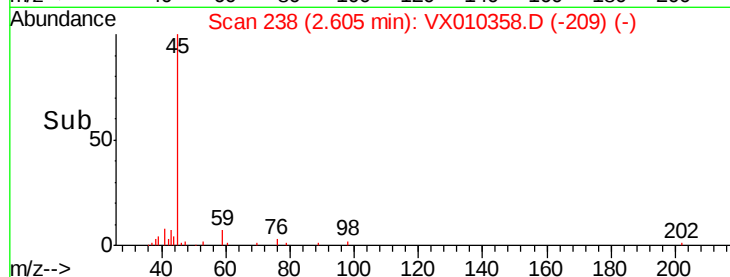
76 0.0 31.3 46.9#



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



Time-->



#15

Acrylonitrile

Concen: 1.411 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.02 min

Lab File: VX010358.D

Acq: 20 Jun 2019 15:38

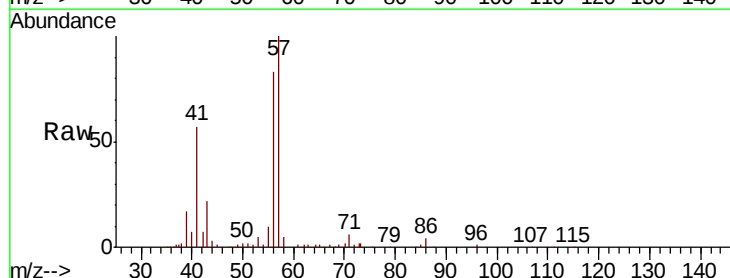
Tgt Ion: 53 Resp: 2165

Ion Ratio Lower Upper

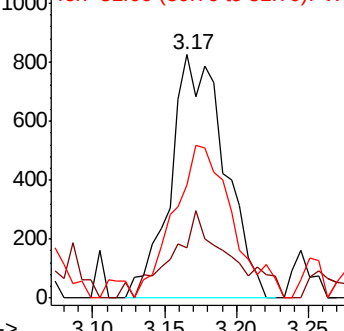
53 100

52 37.7 65.5 98.3#

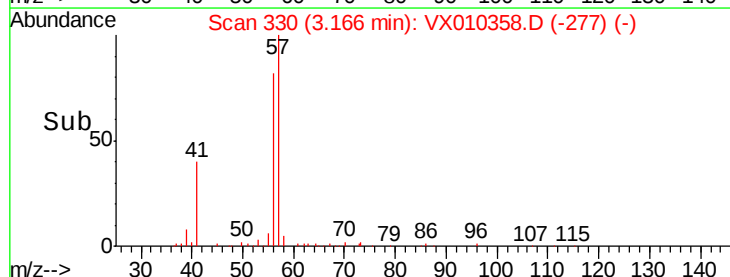
51 67.6 28.2 42.4#

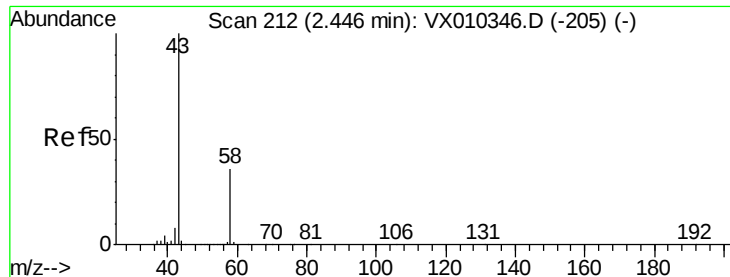


Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



Time-->





#16

Acetone

Concen: 3.195 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010358.D

Acq: 20 Jun 2019 15:38

Instrument :

MSVOA_X

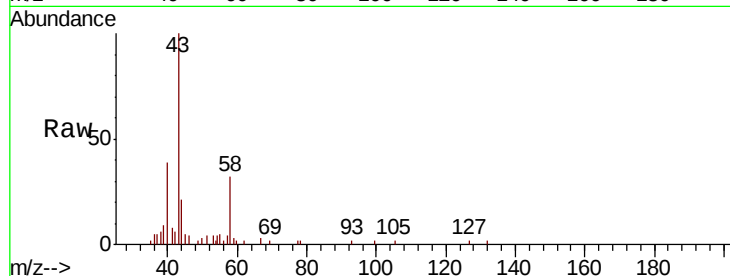
ClientSampleId :

Tot Ion: 43 Resp: 4743

Ion Ratio Lower Upper

43 100

58 30.2 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

2.45

2.45

2.45

2.45

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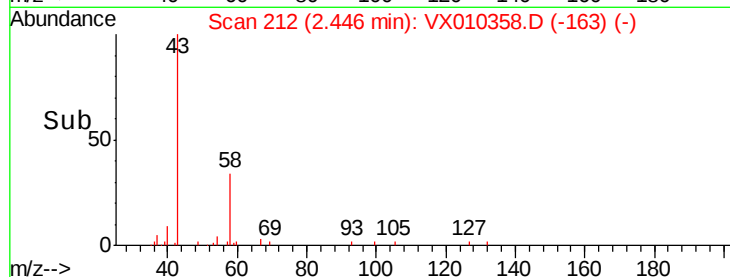
2.45

2.45

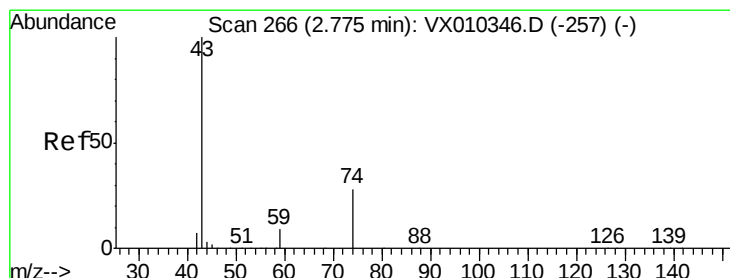
2.45

2.45

2.45



Time-->



#18

Methyl Acetate

Concen: 5.479 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.07 min

Lab File: VX010358.D

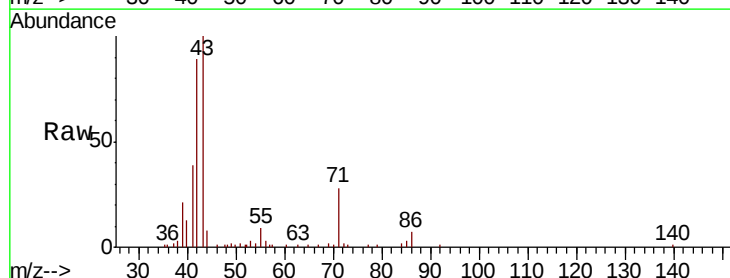
Acq: 20 Jun 2019 15:38

Tgt Ion: 43 Resp: 16213

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

2.84

2.84

2.84

2.84

2.84

2.84

2.84

2.84

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2.84

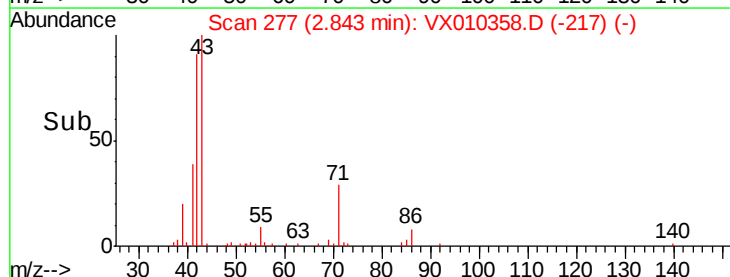
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2.84

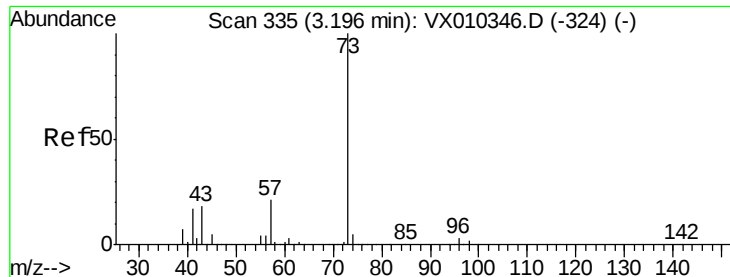
2.84

2.84

2.84



Time-->



#19

Methyl tert-butyl Ether

Concen: 0.924 ug/l

RT: 3.19 min Scan# 334

Delta R.T. -0.01 min

Lab File: VX010358.D

Acq: 20 Jun 2019 15:38

Instrument :

MSVOA_X

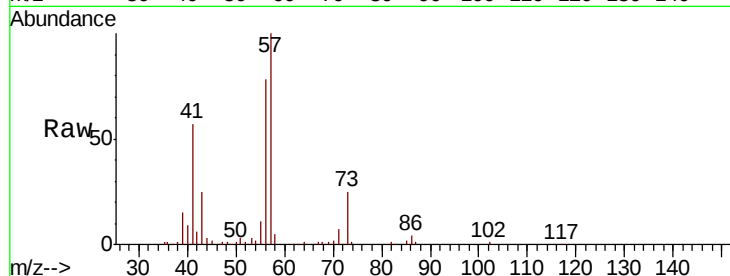
ClientSampleId :

Tot Ion: 73 Resp: 7963

Ion Ratio Lower Upper

73 100

57 394.1 16.4 24.6#



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

25000

20000

15000

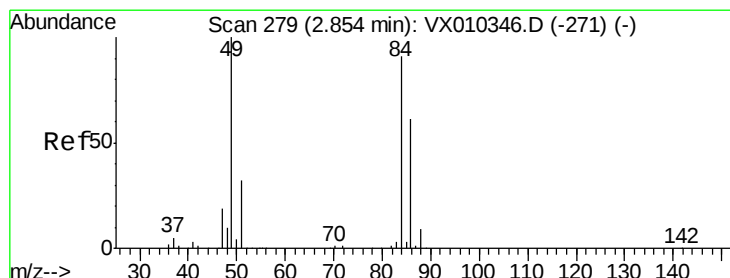
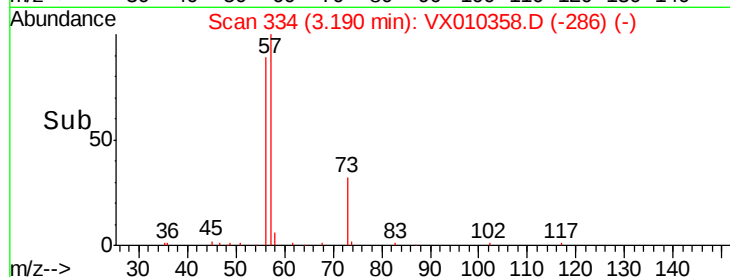
10000

5000

0

3.10 3.15 3.20 3.25 3.30

Time-->



#20

Methylene Chloride

Concen: 0.201 ug/l

RT: 2.87 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX010358.D

Acq: 20 Jun 2019 15:38

Tgt Ion: 84 Resp: 614

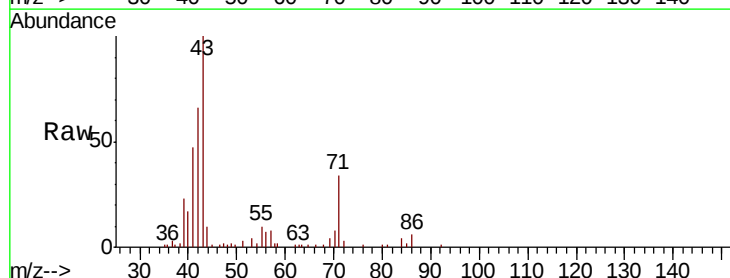
Ion Ratio Lower Upper

84 100

49 36.4 87.5 131.3#

51 3.1 27.7 41.5#

86 61.3 53.4 80.0



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

1500

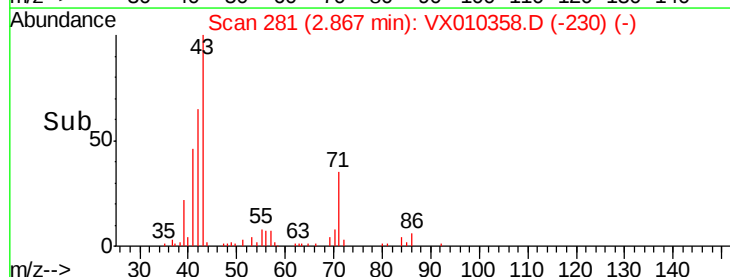
1000

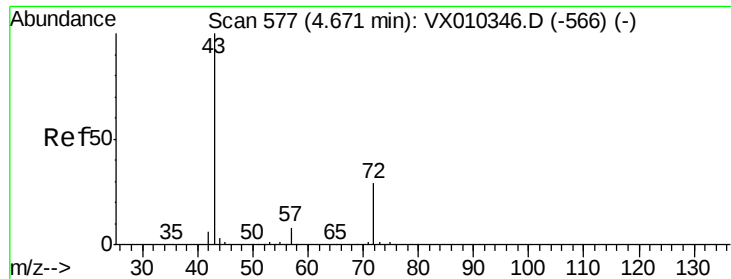
500

0

2.80 2.85 2.90

Time-->





#25

2-Butanone

Concen: 0.385 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.03 min

Lab File: VX010358.D

Acq: 20 Jun 2019 15:38

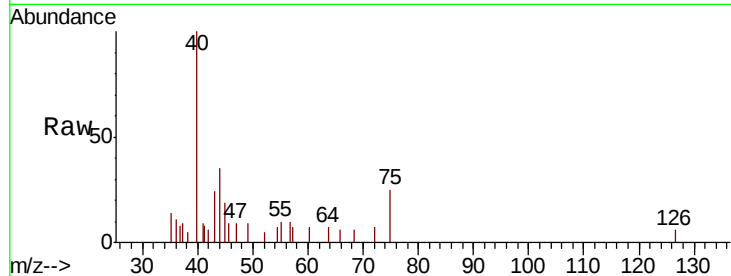
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 839

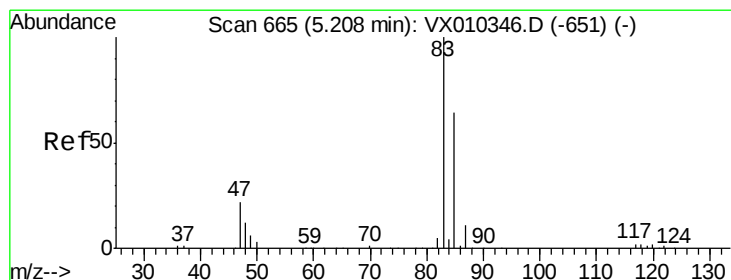
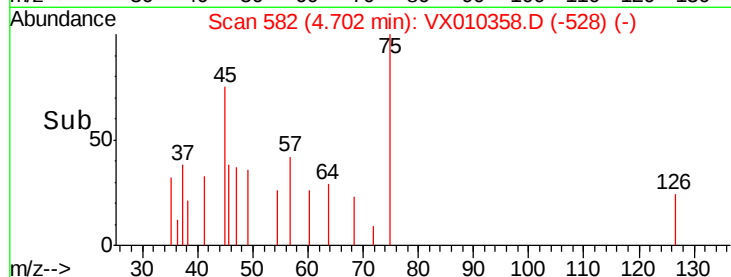
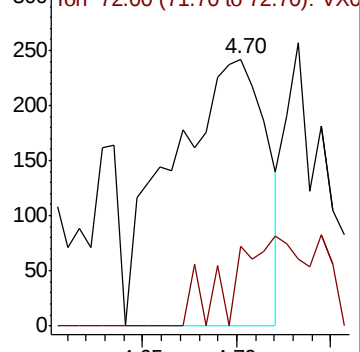
Ion Ratio Lower Upper

43 100

72 29.8 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX010346.D (-566) (-)



#30

Chloroform

Concen: 1.666 ug/l

RT: 5.28 min Scan# 676

Delta R.T. 0.07 min

Lab File: VX010358.D

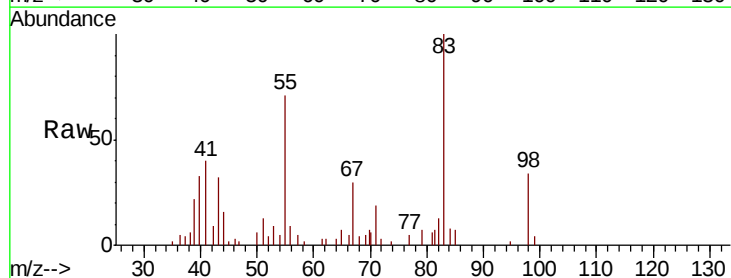
Acq: 20 Jun 2019 15:38

Tgt Ion: 83 Resp: 8422

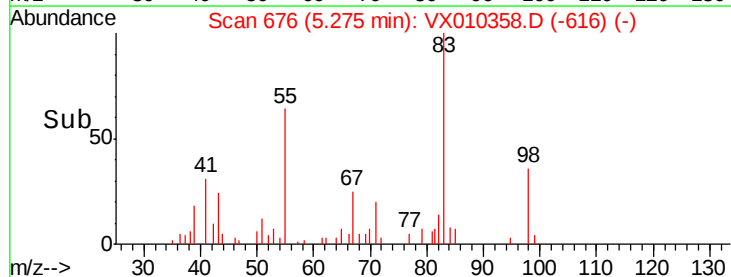
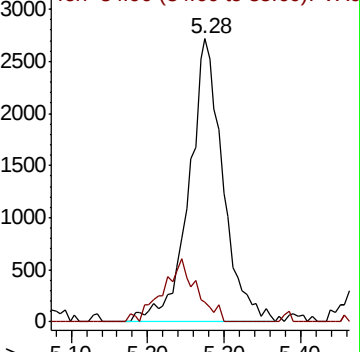
Ion Ratio Lower Upper

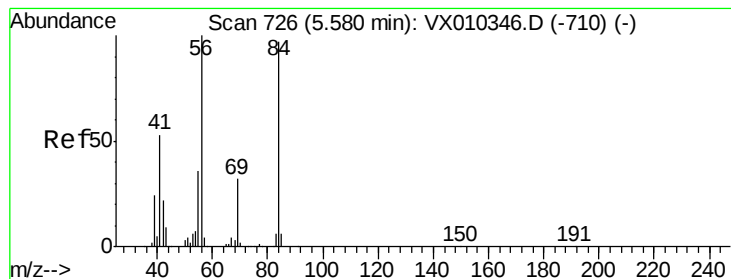
83 100

85 7.0 50.9 76.3#



Abundance Ion 82.90 (82.60 to 83.60): VX010346.D (-651) (-)





#31

Cyclohexane

Concen: 9.429 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX010358.D

Acq: 20 Jun 2019 15:38

Instrument :

MSVOA_X

ClientSampleId :

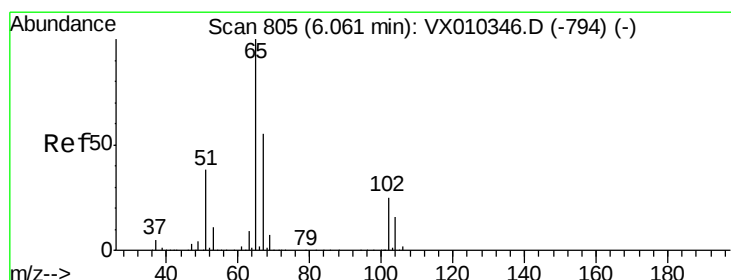
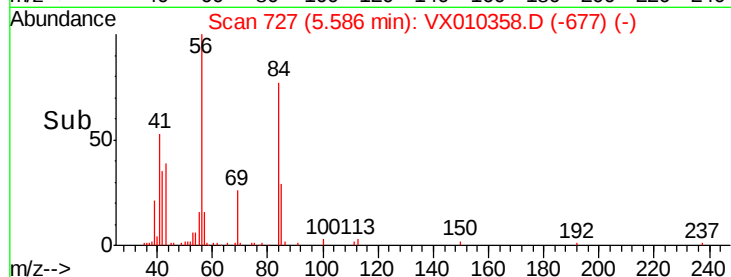
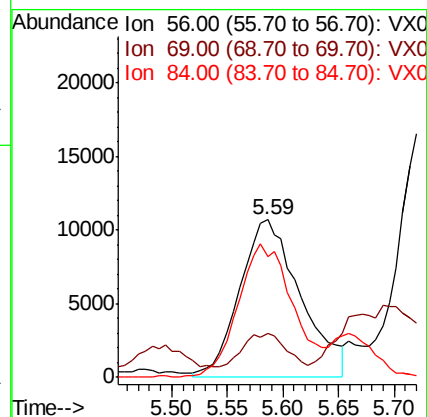
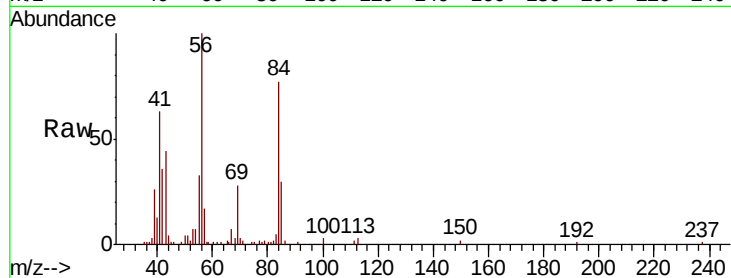
Tot Ion: 56 Resp: 40345

Ion Ratio Lower Upper

56 100

69 17.2 25.9 38.9#

84 77.6 78.0 117.0#



#33

1,2-Dichloroethane-d4

Concen: 48.456 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010358.D

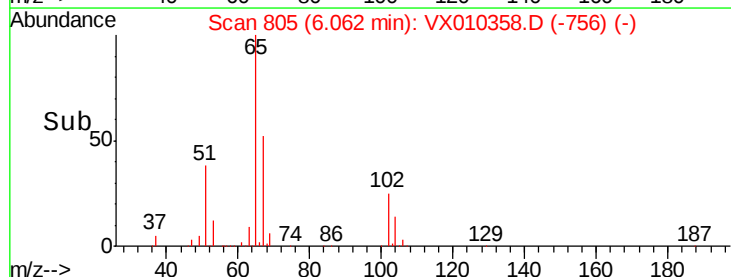
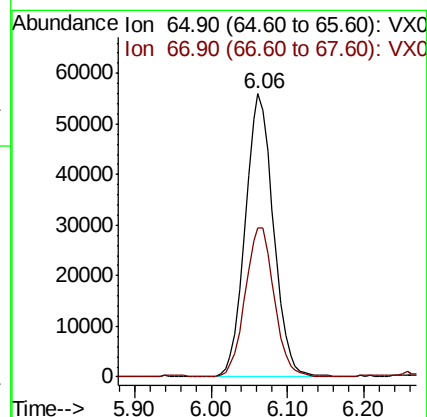
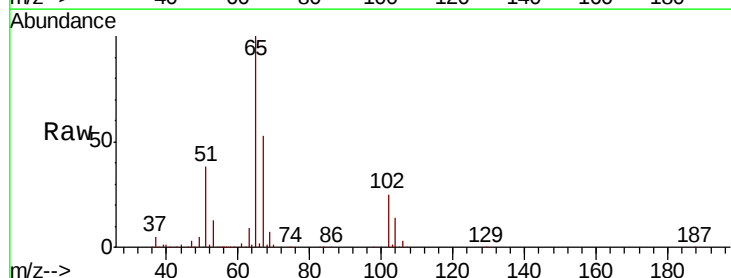
Acq: 20 Jun 2019 15:38

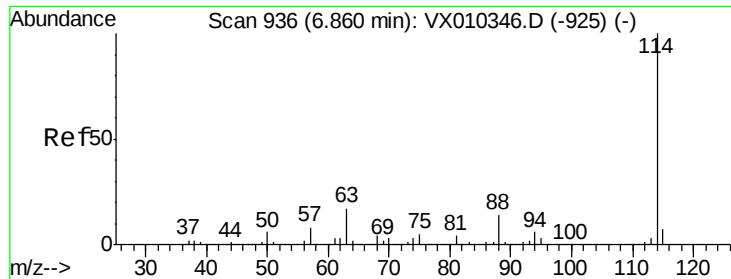
Tgt Ion: 65 Resp: 143539

Ion Ratio Lower Upper

65 100

67 53.9 0.0 110.2

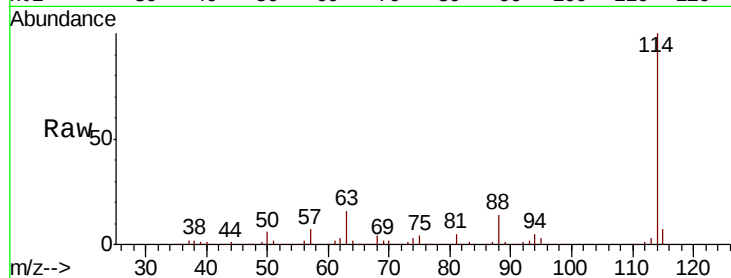




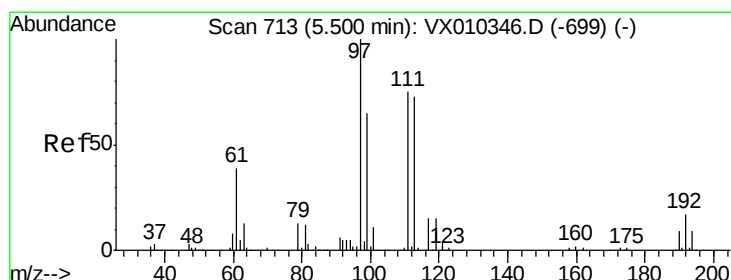
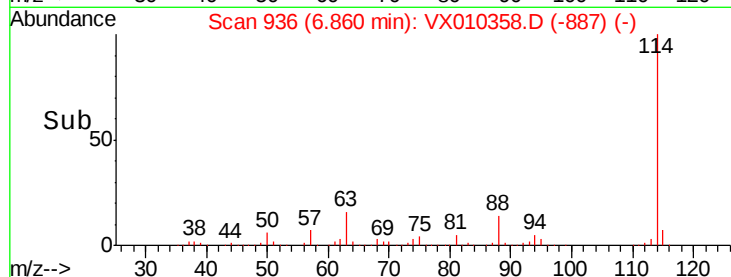
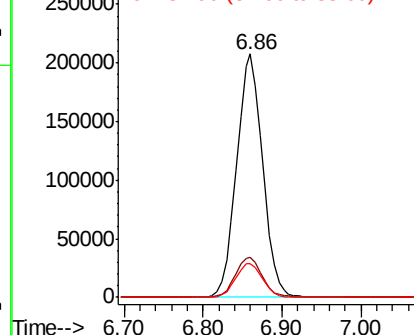
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX010358.D
Acq: 20 Jun 2019 15:38

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:114 Resp: 475737
Ion Ratio Lower Upper
114 100
63 16.2 0.0 33.8
88 14.1 0.0 27.6

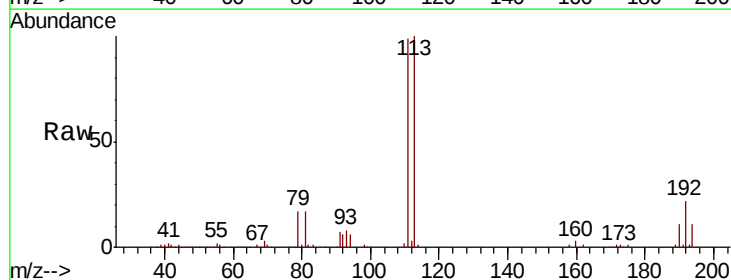


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

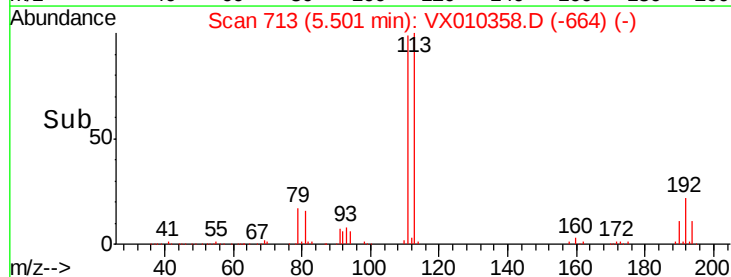
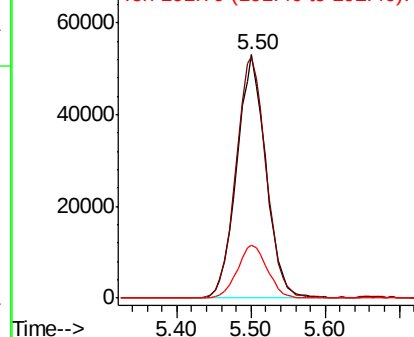


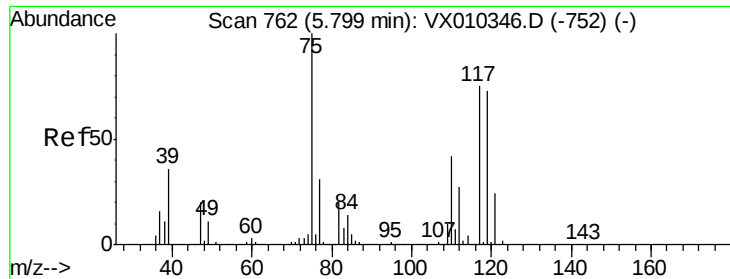
#35
Dibromofluoromethane
Concen: 49.987 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010358.D
Acq: 20 Jun 2019 15:38

Tgt Ion:113 Resp: 145499
Ion Ratio Lower Upper
113 100
111 102.1 81.2 121.8
192 22.6 18.6 27.8



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.171 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010358.D

Acq: 20 Jun 2019 15:38

Instrument :

MSVOA_X

ClientSampleId :

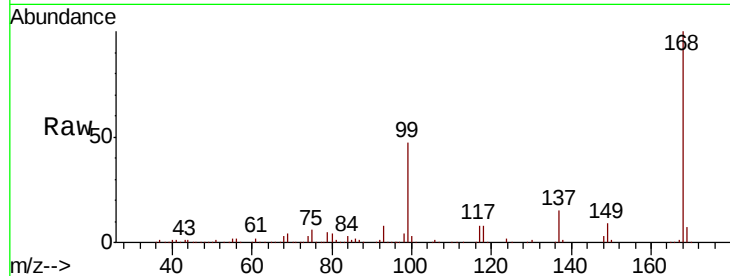
Tot Ion: 75 Resp: 19549

Ion Ratio Lower Upper

75 100

110 10.6 20.8 62.2#

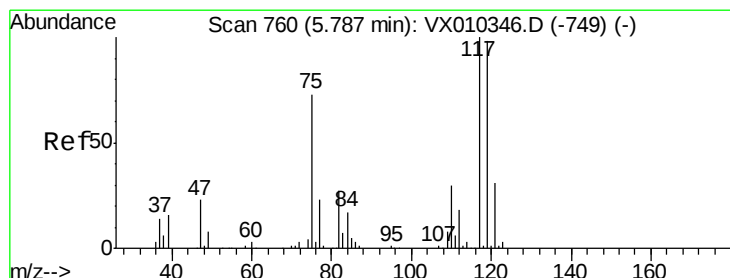
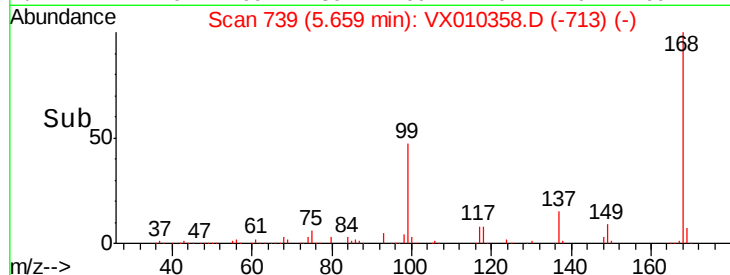
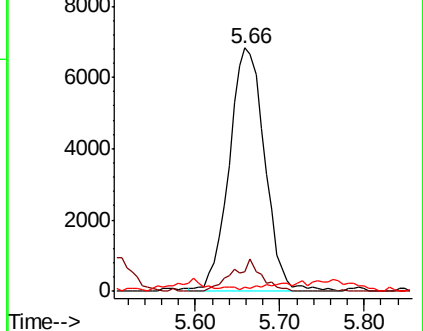
77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.635 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010358.D

Acq: 20 Jun 2019 15:38

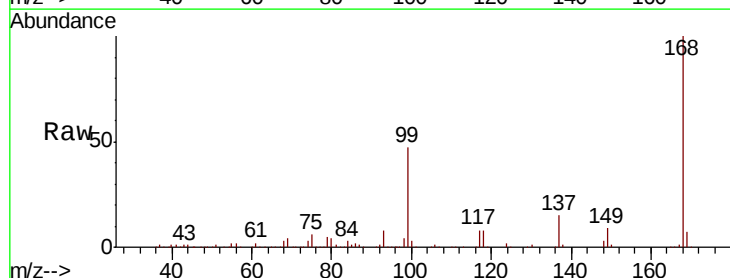
Tgt Ion: 117 Resp: 27162

Ion Ratio Lower Upper

117 100

119 5.6 78.2 117.4#

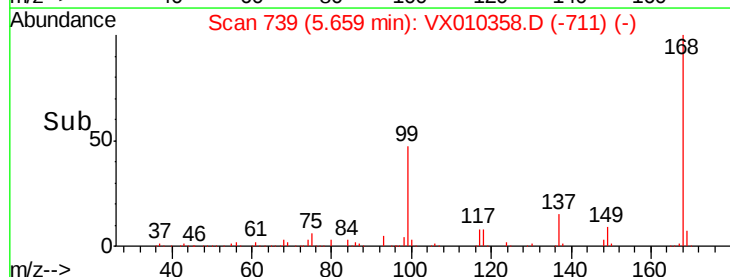
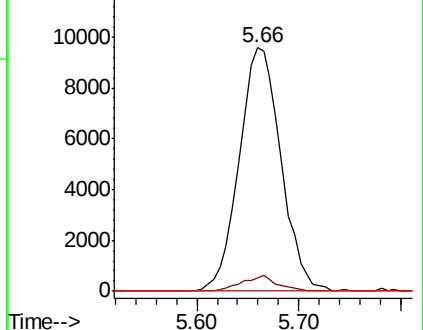
121 0.0 24.7 37.1#

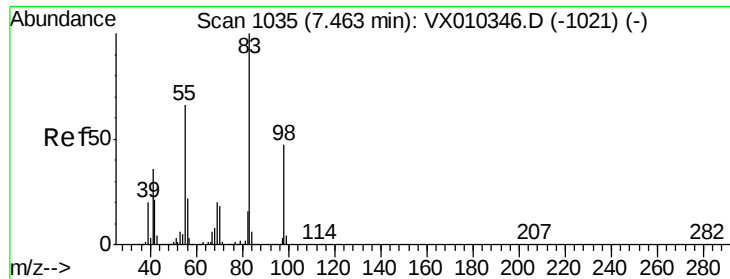


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

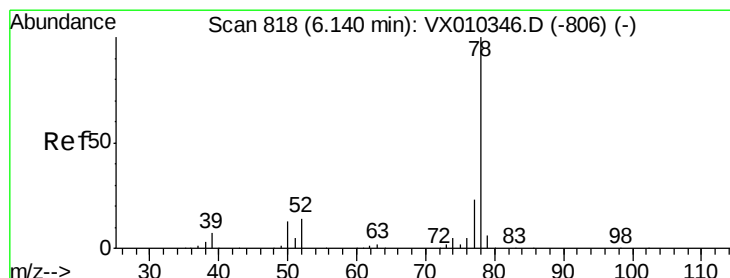
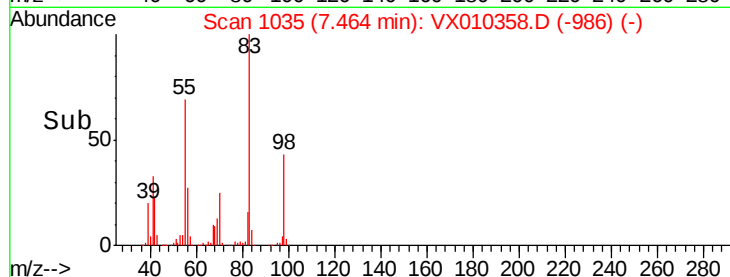
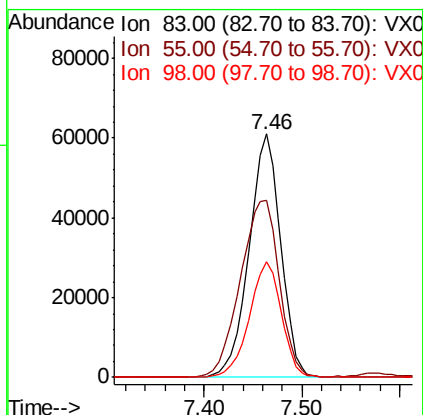
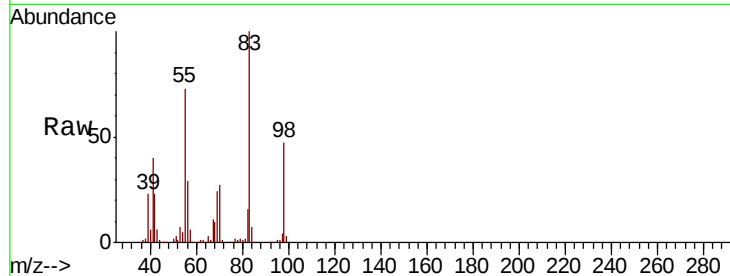




#39
Methvlcvclohexane
Concen: 27.515 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010358.D
Acq: 20 Jun 2019 15:38

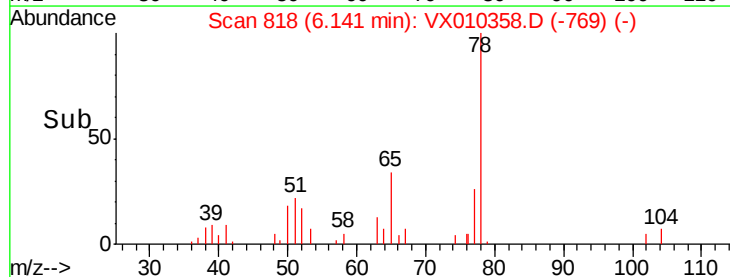
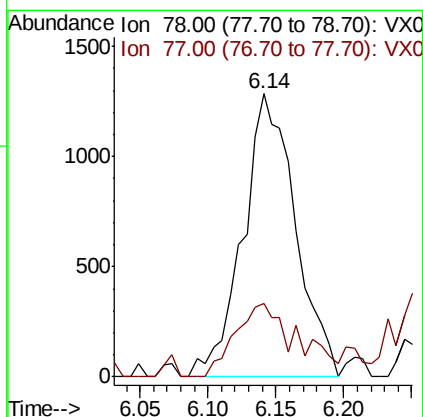
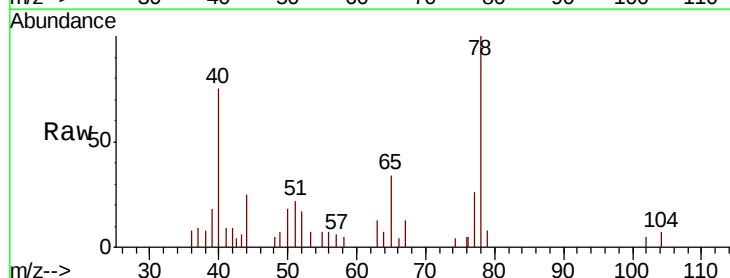
Instrument :
MSVOA_X
ClientSampleId :

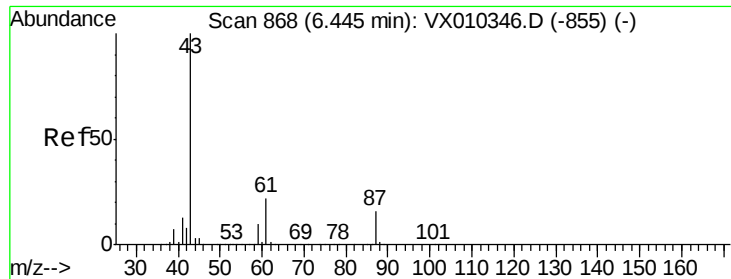
Tot Ion: 83 Resp: 136729
Ion Ratio Lower Upper
83 100
55 72.3 53.0 79.6
98 47.4 37.8 56.8



#40
Benzene
Concen: 0.294 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010358.D
Acq: 20 Jun 2019 15:38

Tgt Ion: 78 Resp: 3465
Ion Ratio Lower Upper
78 100
77 26.1 18.6 28.0





#43

Isopropyl Acetate

Concen: 0.685 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.02 min

Lab File: VX010358.D

Acq: 20 Jun 2019 15:38

Instrument :

MSVOA_X

ClientSampleId :

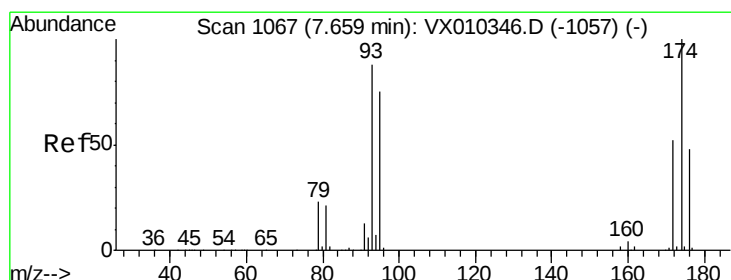
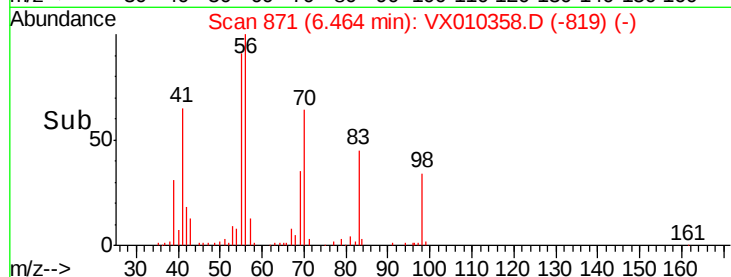
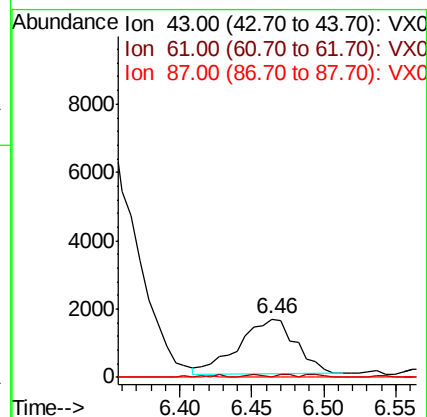
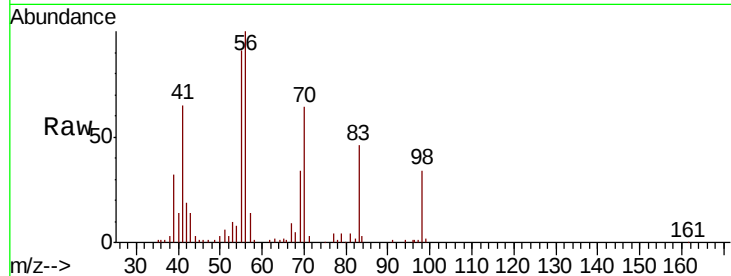
Tot Ion: 43 Resp: 4408

Ion Ratio Lower Upper

43 100

61 1.7 17.8 26.6#

87 0.0 13.0 19.4#



#46

Dibromomethane

Concen: 0.387 ug/l

RT: 7.64 min Scan# 1064

Delta R.T. -0.02 min

Lab File: VX010358.D

Acq: 20 Jun 2019 15:38

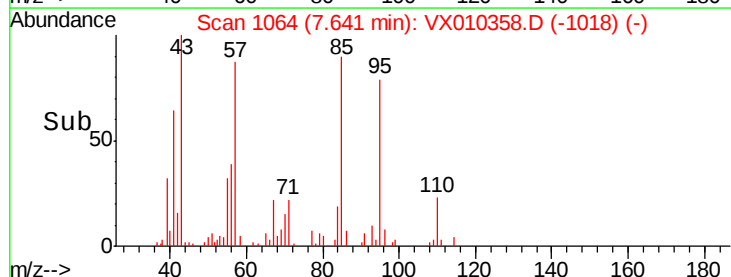
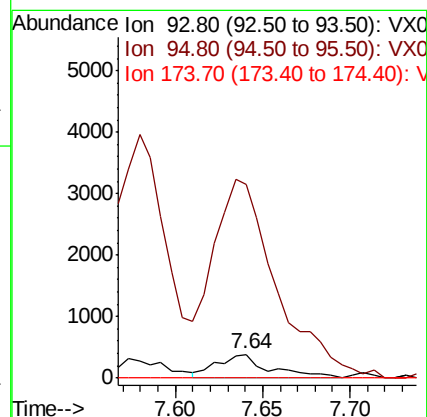
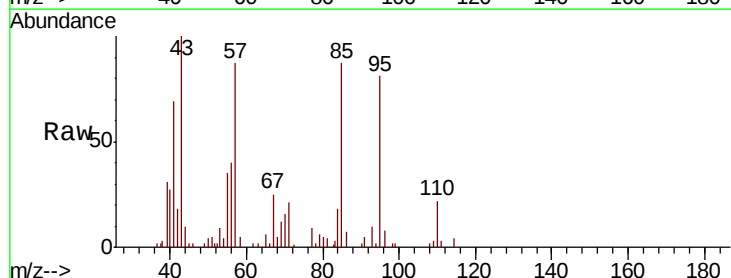
Tgt Ion: 93 Resp: 825

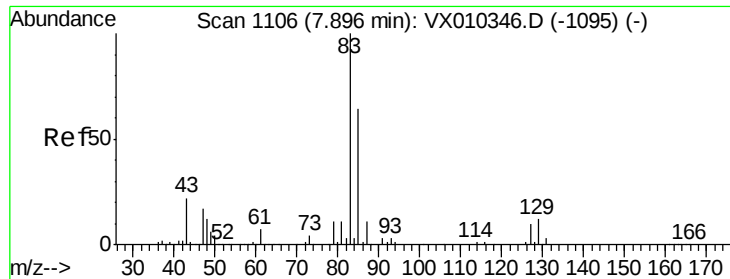
Ion Ratio Lower Upper

93 100

95 991.6 67.5 101.3#

174 0.0 95.8 143.6#





#47

Bromodichloromethane

Concen: 0.640 ug/l

RT: 7.84 min Scan# 1097

Delta R.T. -0.05 min

Lab File: VX010358.D

Acq: 20 Jun 2019 15:38

Instrument :

MSVOA_X

ClientSampled :

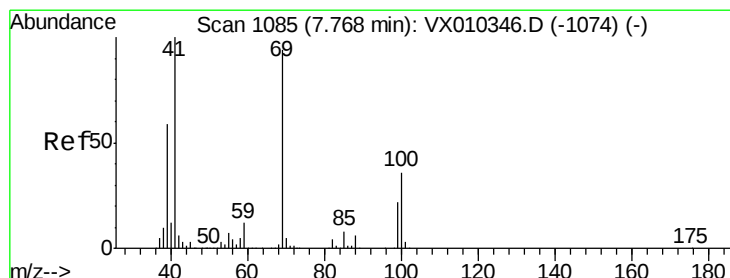
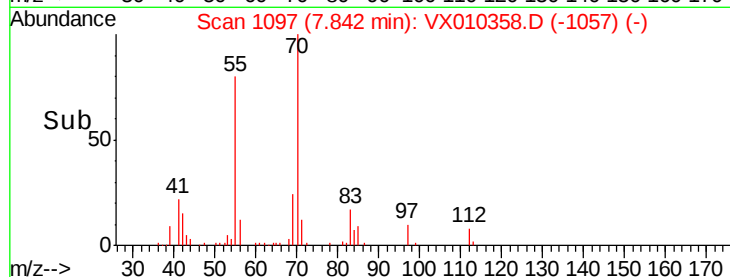
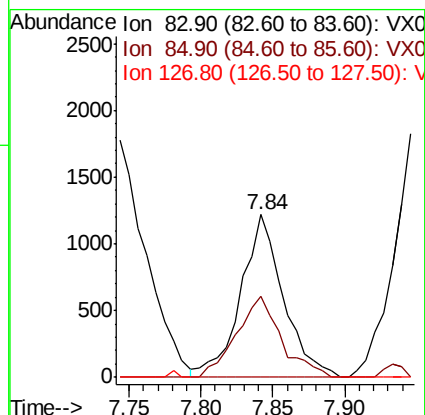
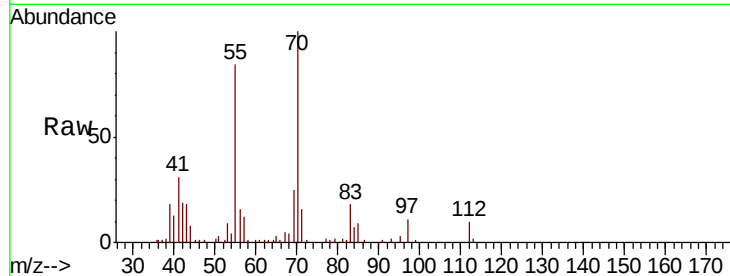
Tot Ion: 83 Resp: 2502

Ion Ratio Lower Upper

83 100

85 49.5 51.5 77.3#

127 0.0 7.8 11.8#



#48

Methyl methacrylate

Concen: 7.388 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.03 min

Lab File: VX010358.D

Acq: 20 Jun 2019 15:38

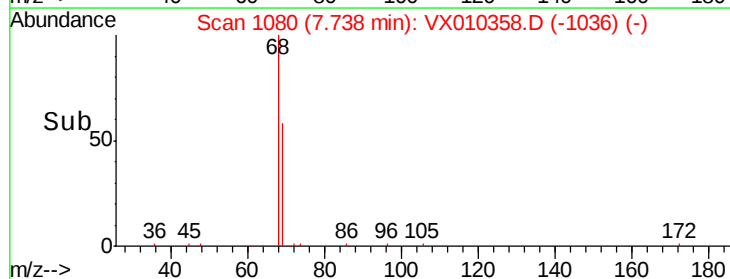
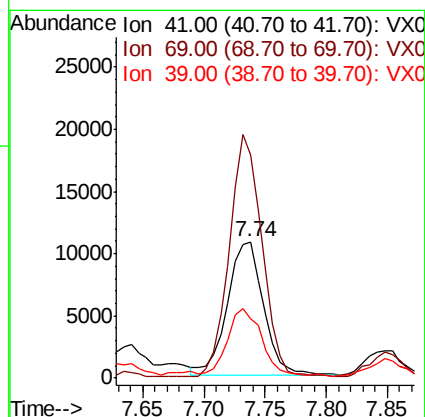
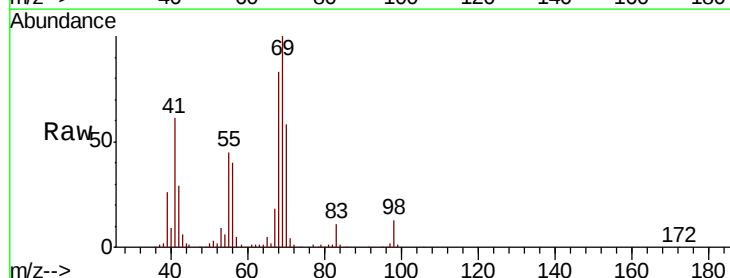
Tgt Ion: 41 Resp: 22098

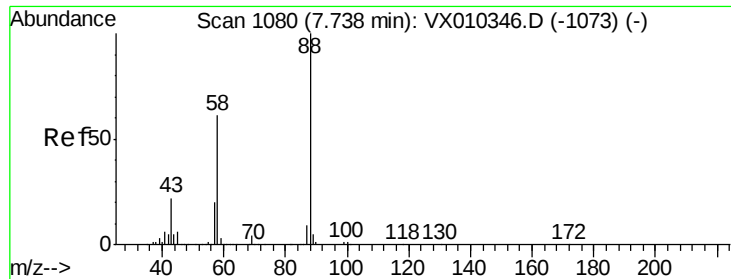
Ion Ratio Lower Upper

41 100

69 162.8 76.1 114.1#

39 47.6 47.6 71.4#

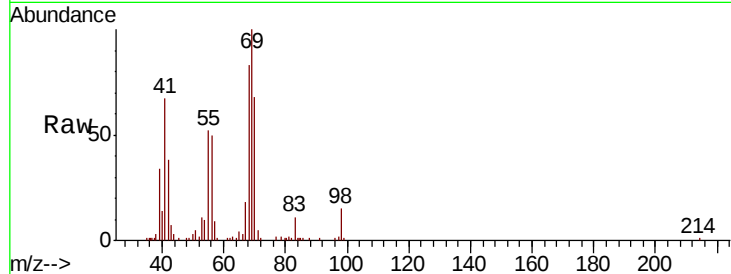




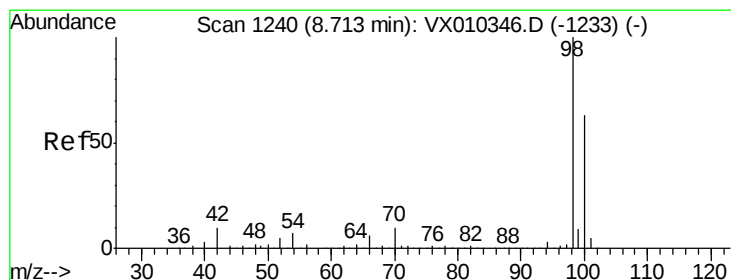
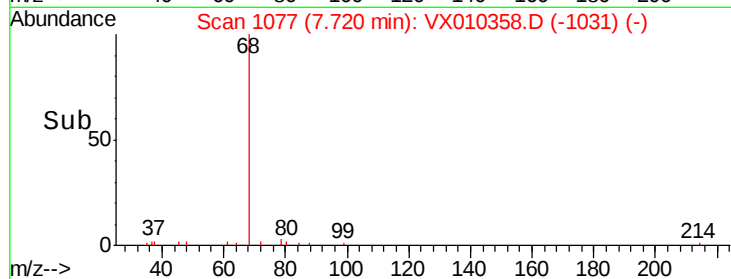
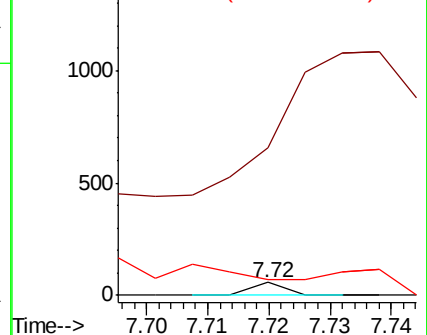
#49
1,4-Dioxane
Concen: 0.244 ug/l
RT: 7.72 min Scan# 1077
Delta R.T. -0.02 min
Lab File: VX010358.D
Acq: 20 Jun 2019 15:38

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 9252.4 20.2 30.2#
58 0.0 49.5 74.3#

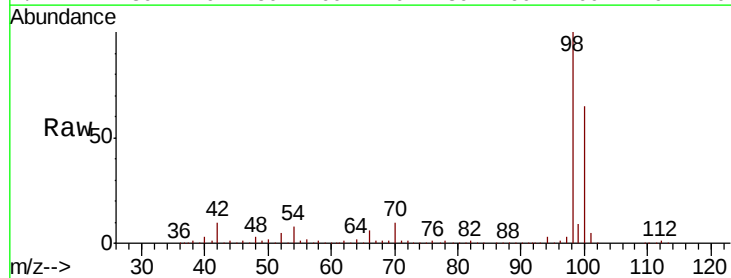


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

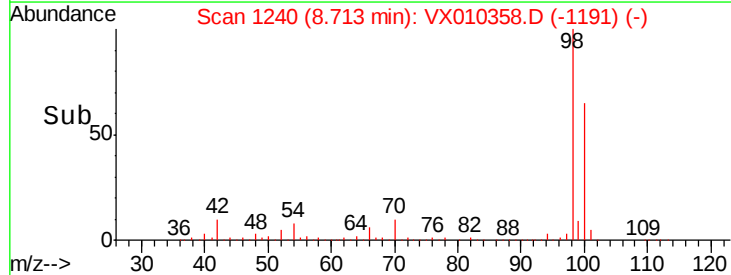
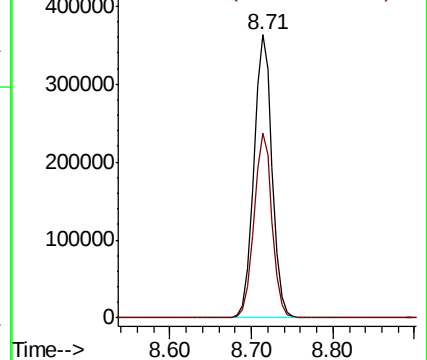


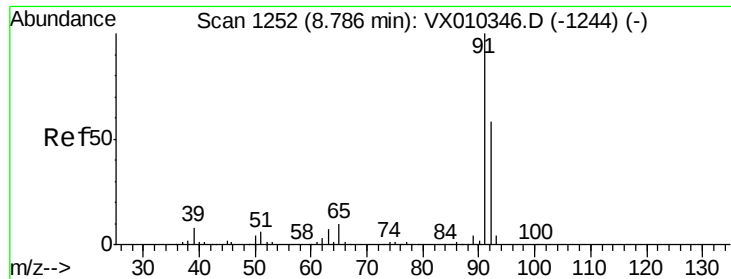
#50
Toluene-d8
Concen: 50.878 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010358.D
Acq: 20 Jun 2019 15:38

Tgt Ion: 98 Resp: 566568
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4



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





#52

Toluene

Concen: 0.606 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX010358.D

Acq: 20 Jun 2019 15:38

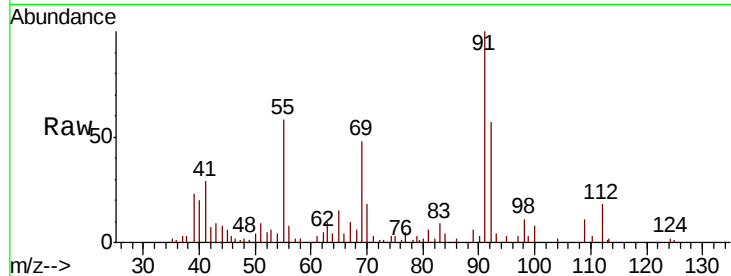
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 92 Resp: 4703

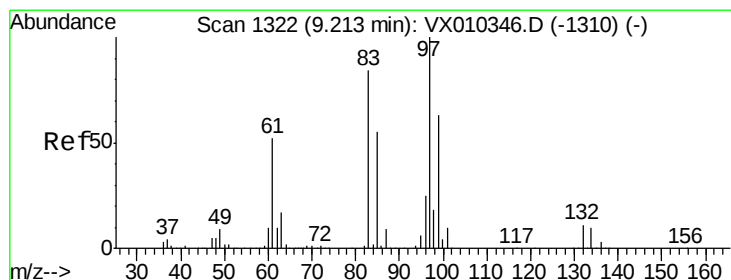
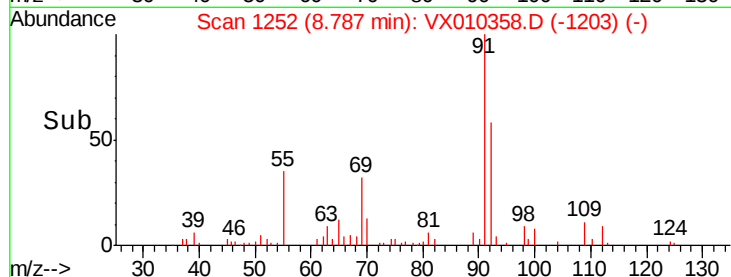
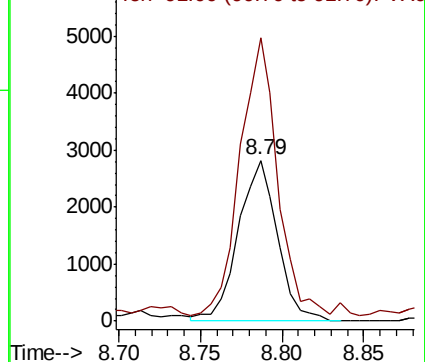
Ion Ratio Lower Upper

92 100

91 169.1 139.8 209.6



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: 12.053 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX010358.D

Acq: 20 Jun 2019 15:38

Tgt Ion: 97 Resp: 38557

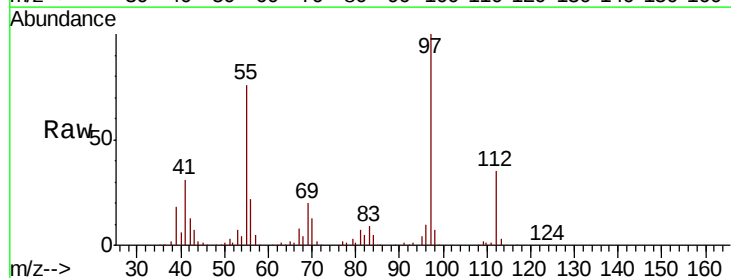
Ion Ratio Lower Upper

97 100

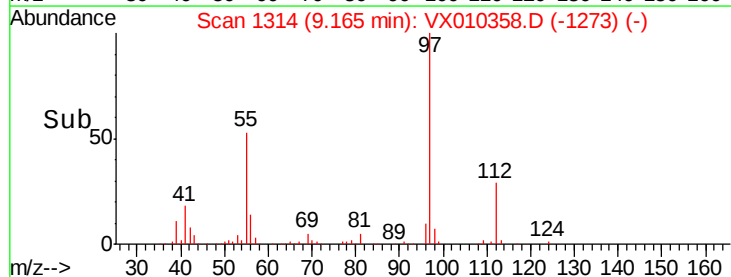
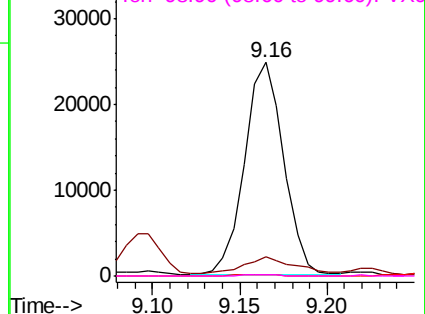
83 7.7 67.4 101.0#

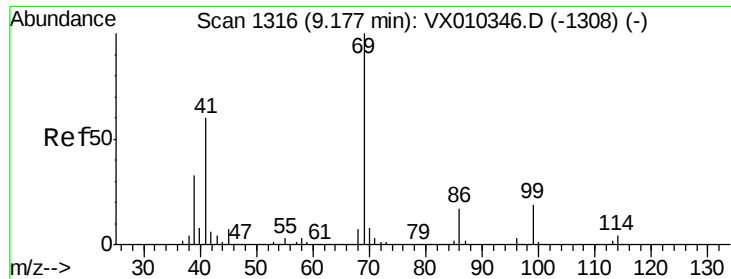
85 0.7 43.8 65.8#

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

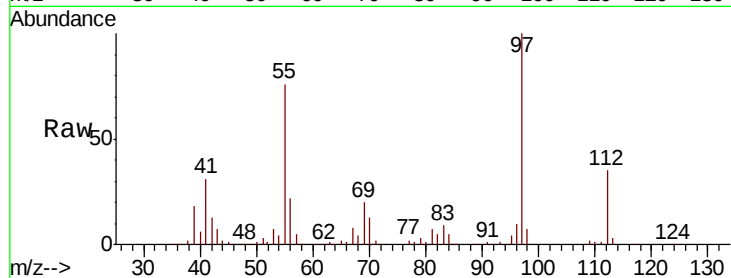




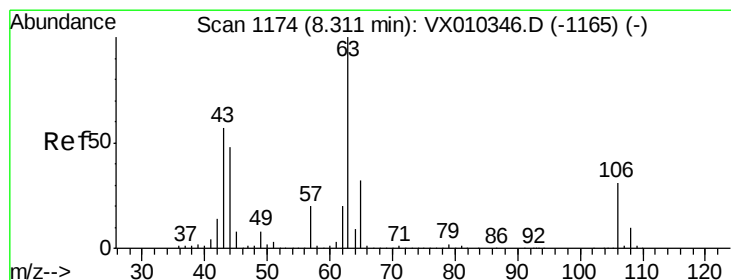
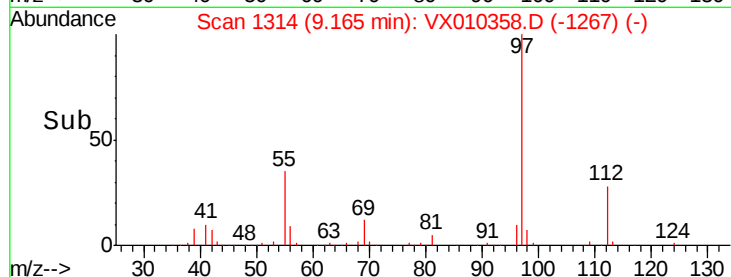
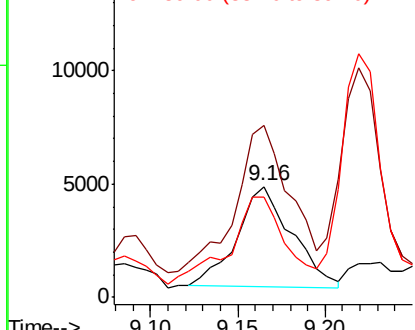
#56
 Ethyl methacrylate
 Concen: 1.970 ug/l
 RT: 9.16 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VX010358.D
 Acq: 20 Jun 2019 15:38

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 69 Resp: 9548
 Ion Ratio Lower Upper
 69 100
 41 144.4 47.1 70.7#
 39 90.1 26.6 40.0#

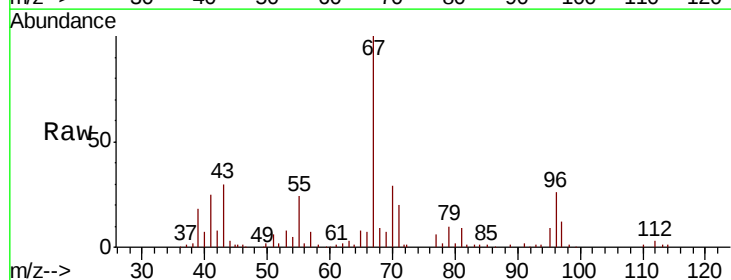


Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0

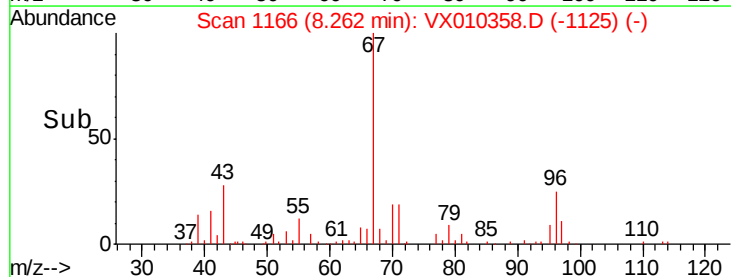
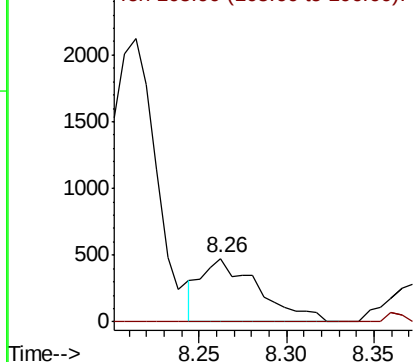


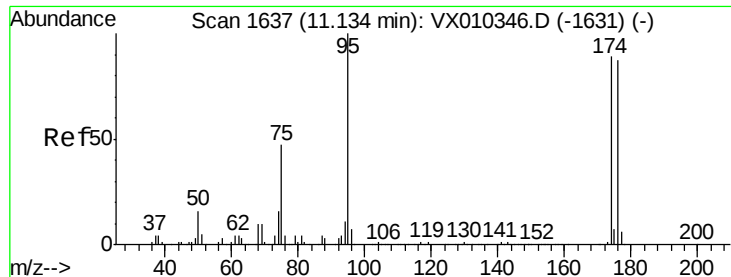
#58
 2-Chloroethyl Vinyl ether
 Concen: 0.463 ug/l
 RT: 8.26 min Scan# 1166
 Delta R.T. -0.05 min
 Lab File: VX010358.D
 Acq: 20 Jun 2019 15:38

Tgt Ion: 63 Resp: 1065
 Ion Ratio Lower Upper
 63 100
 106 0.0 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VX0
 Ion 105.90 (105.60 to 106.60): V

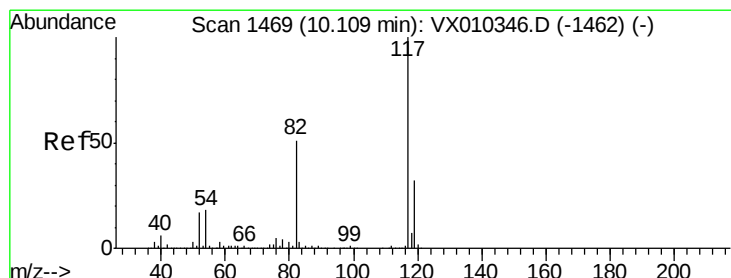
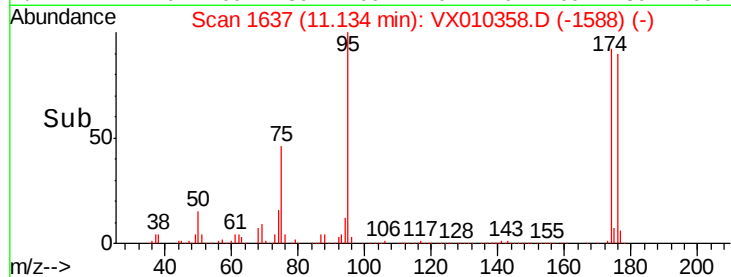
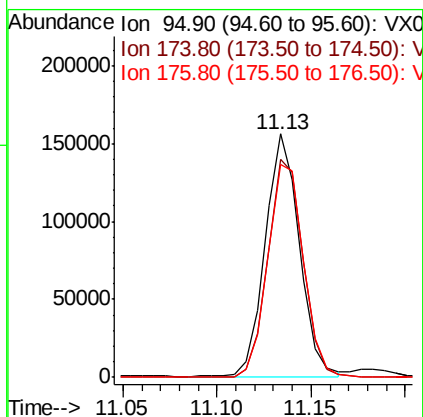
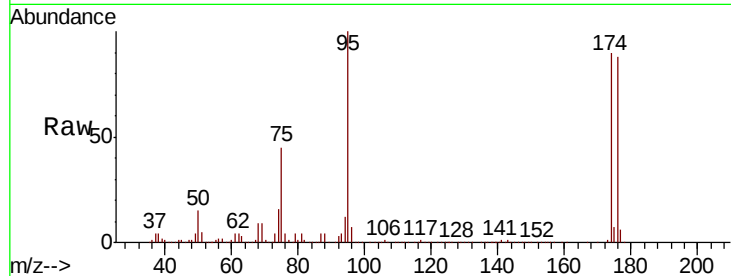




#62
4-Bromofluorobenzene
Concen: 48.584 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010358.D
Acq: 20 Jun 2019 15:38

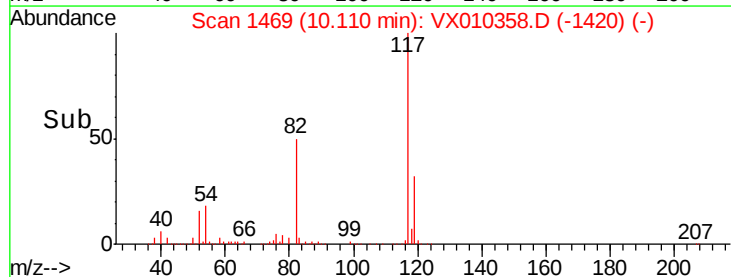
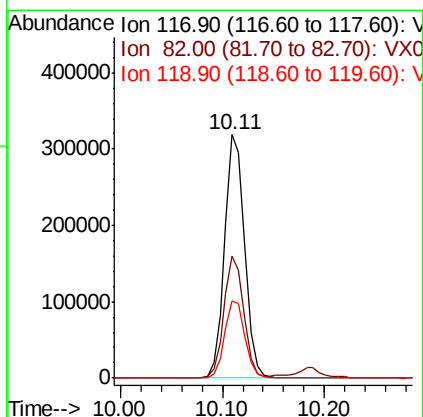
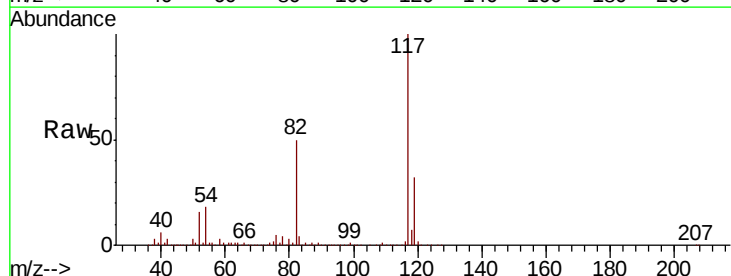
Instrument :
MSVOA_X
ClientSampleId :

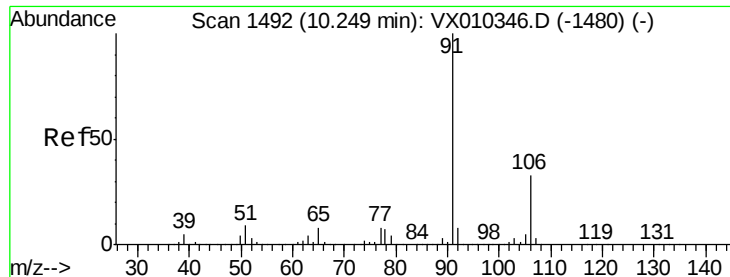
Tot Ion	Ratio	Lower	Upper
95	100		
174	92.8	0.0	187.6
176	92.4	0.0	184.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010358.D
Acq: 20 Jun 2019 15:38

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.0	41.2	61.8
119	31.5	25.5	38.3

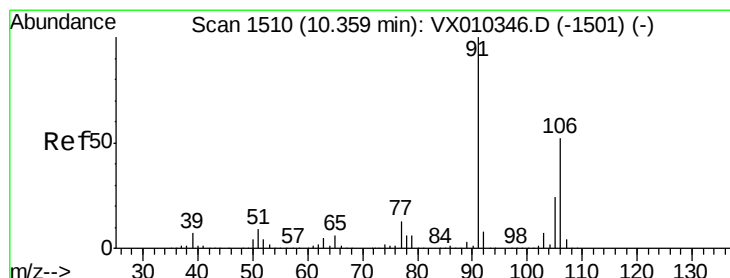
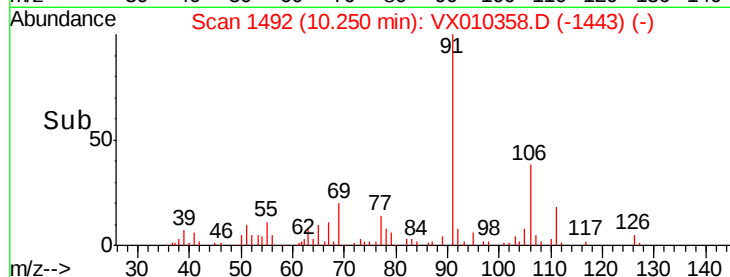
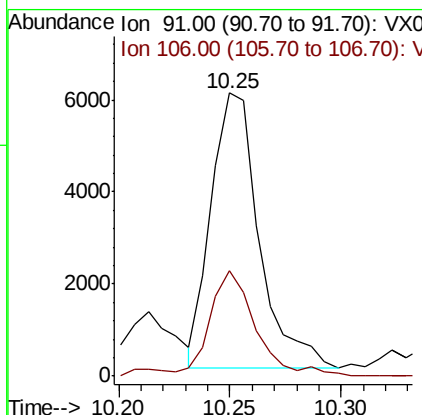
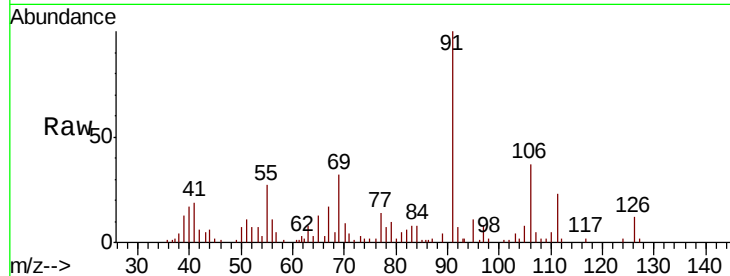




#67
Ethyl Benzene
Concen: 0.610 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010358.D
Acq: 20 Jun 2019 15:38

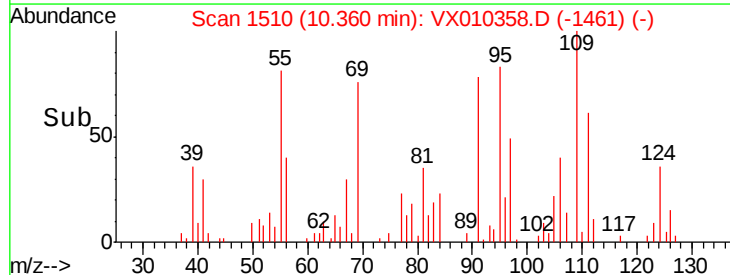
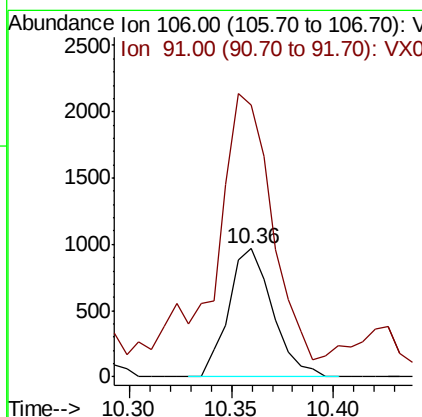
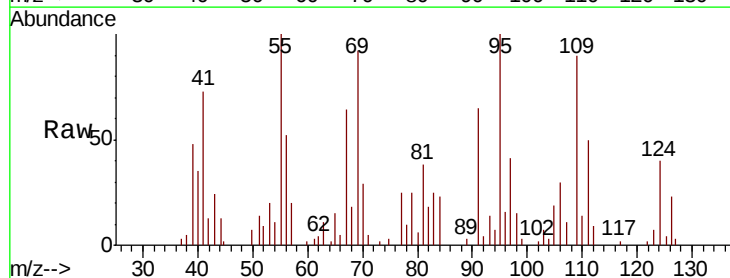
Instrument :
MSVOA_X
ClientSampleId :

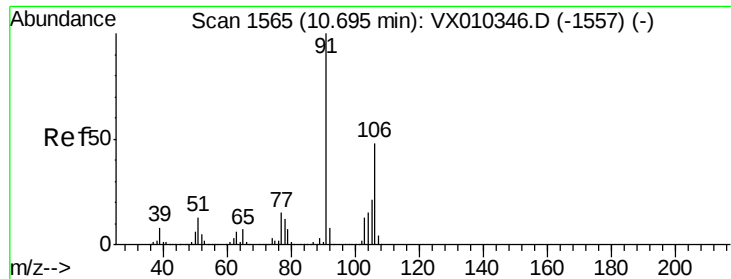
Tot Ion: 91 Resp: 9015
Ion Ratio Lower Upper
91 100
106 37.4 26.2 39.2



#68
m/p-Xylenes
Concen: 0.251 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010358.D
Acq: 20 Jun 2019 15:38

Tgt Ion: 106 Resp: 1441
Ion Ratio Lower Upper
106 100
91 254.5 155.3 232.9#

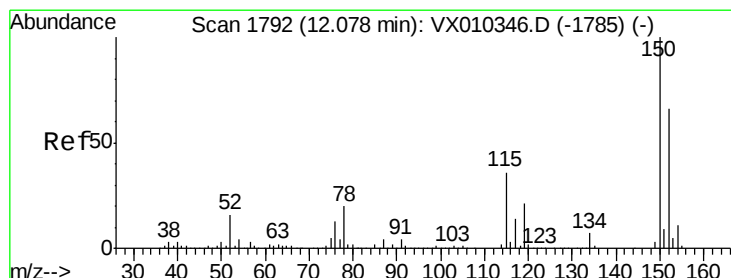
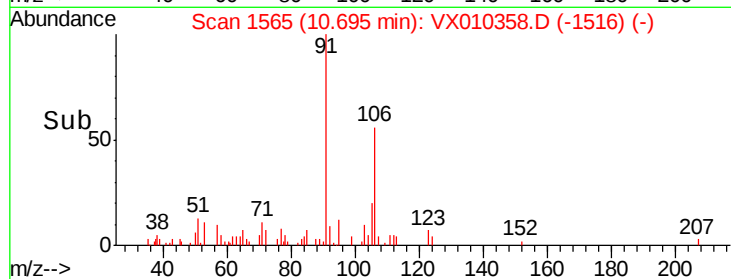
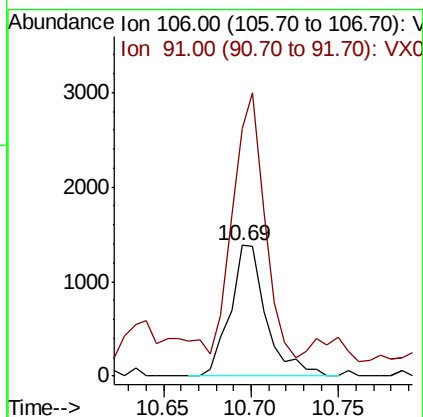
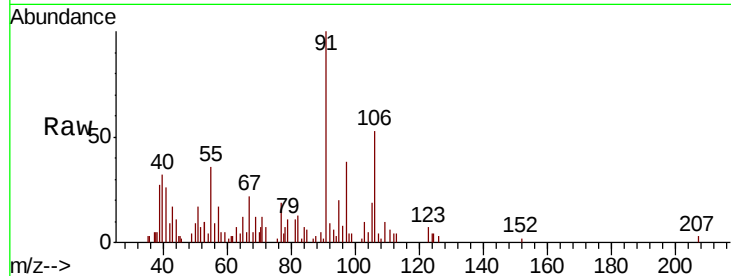




#69
o-Xylene
Concen: 0.352 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010358.D
Acq: 20 Jun 2019 15:38

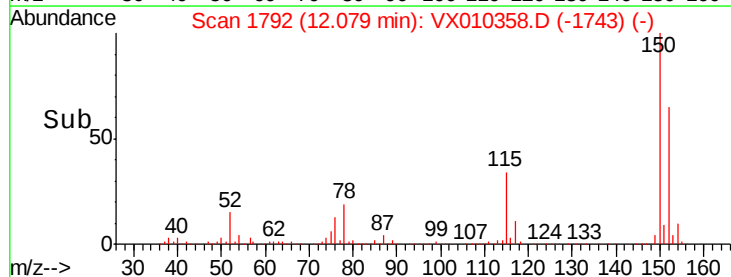
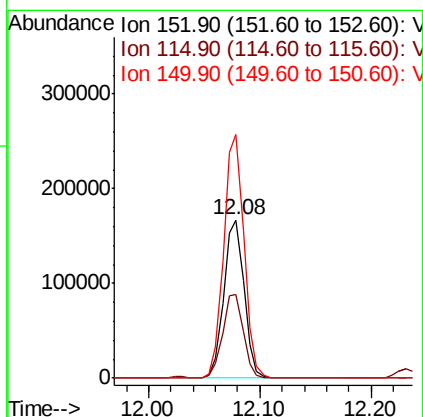
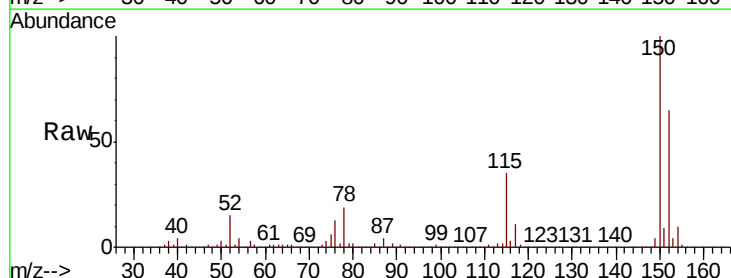
Instrument :
MSVOA_X
ClientSampleId :

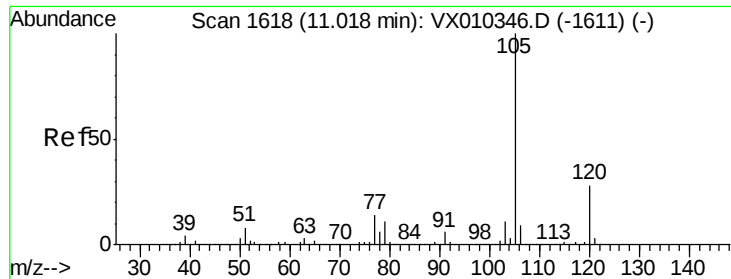
Tot Ion:106 Resp: 1986
Ion Ratio Lower Upper
106 100
91 178.0 102.7 308.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010358.D
Acq: 20 Jun 2019 15:38

Tgt Ion:152 Resp: 209439
Ion Ratio Lower Upper
152 100
115 54.4 38.6 115.7
150 154.2 0.0 347.4





#73

Isopropylbenzene

Concen: 42.218 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010358.D

Acq: 20 Jun 2019 15:38

Instrument :

MSVOA_X

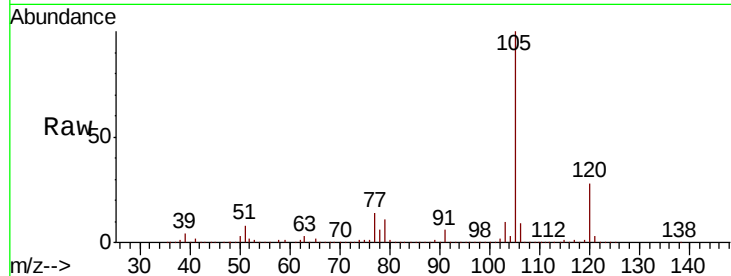
ClientSampleId :

Tot Ion:105 Resp: 599380

Ion Ratio Lower Upper

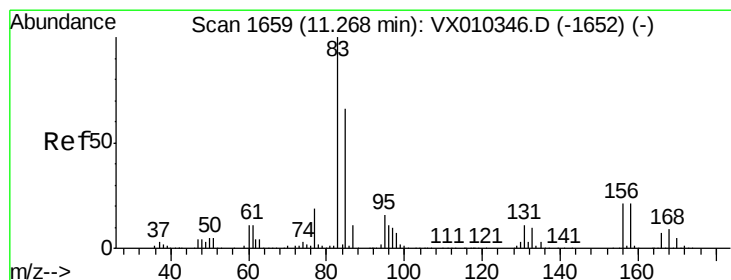
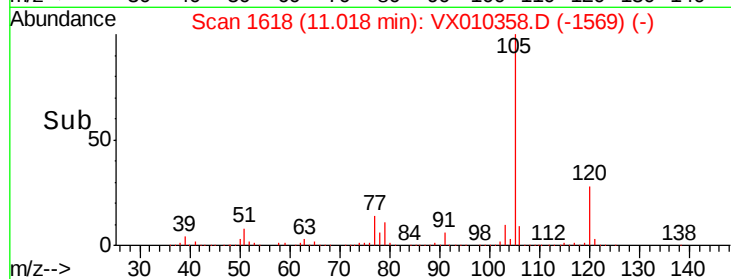
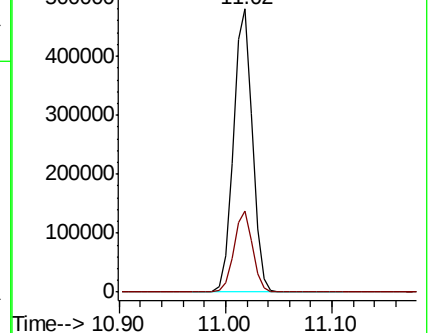
105 100

120 28.0 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#75

1,1,2,2-Tetrachloroethane

Concen: 0.281 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX010358.D

Acq: 20 Jun 2019 15:38

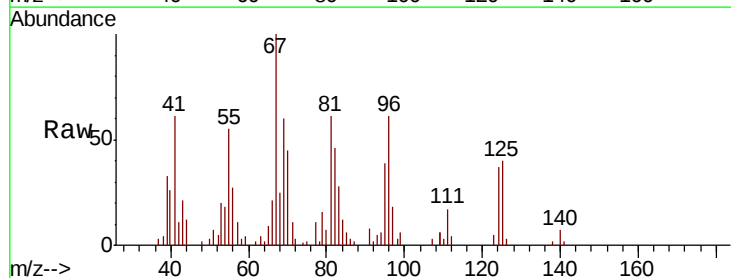
Tgt Ion: 83 Resp: 1322

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

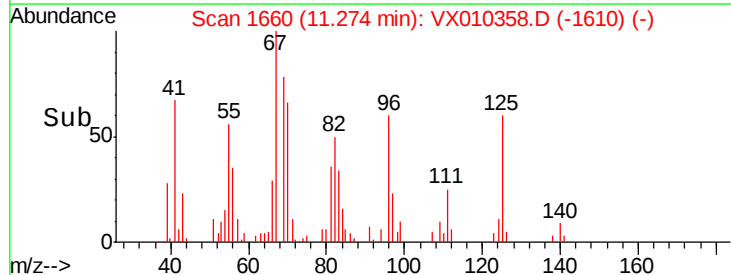
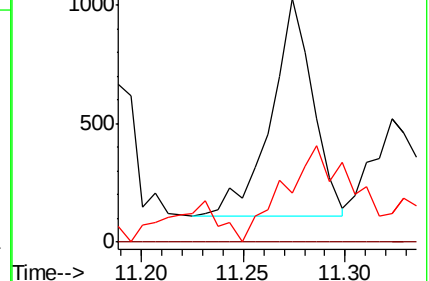
85 74.7 32.3 96.8

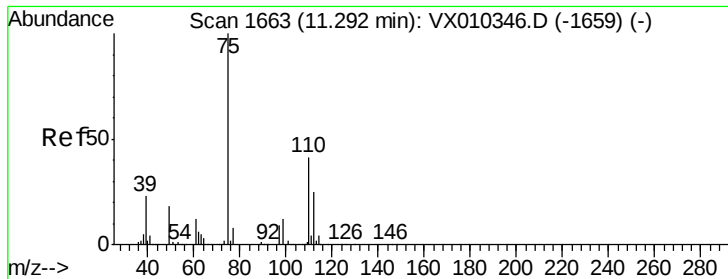


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 4.366 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.07 min

Lab File: VX010358.D

Acq: 20 Jun 2019 15:38

Instrument :

MSVOA_X

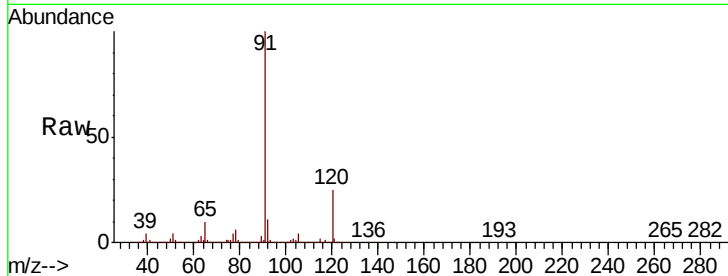
ClientSampleId :

Tot Ion: 75 Resp: 16662

Ion Ratio Lower Upper

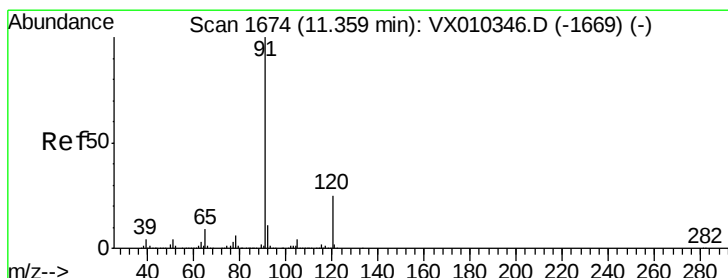
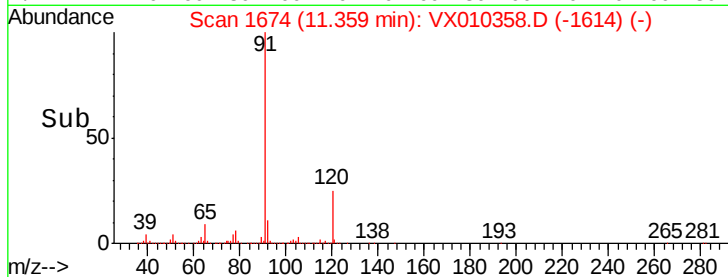
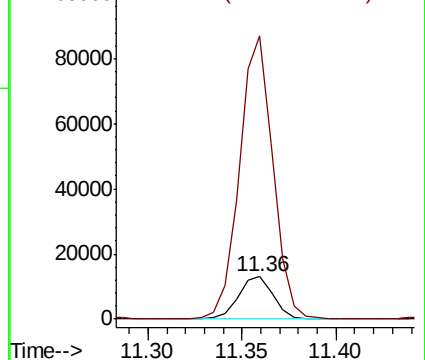
75 100

77 637.7 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#78

n-propylbenzene

Concen: 182.063 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010358.D

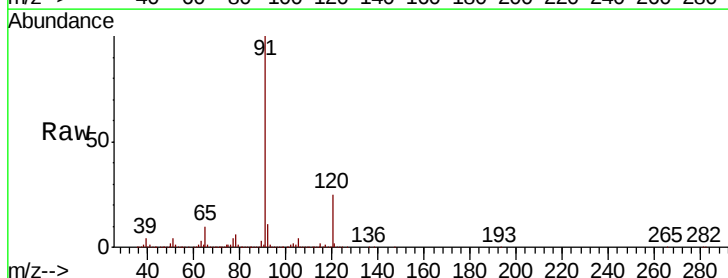
Acq: 20 Jun 2019 15:38

Tgt Ion: 91 Resp: 2840834

Ion Ratio Lower Upper

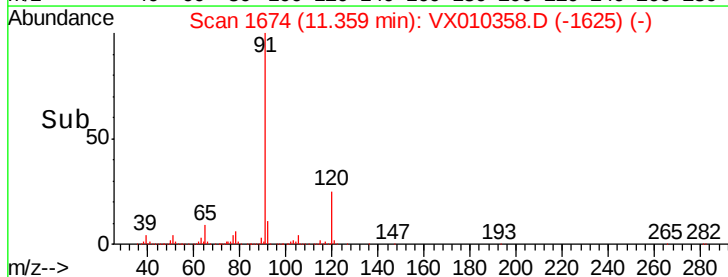
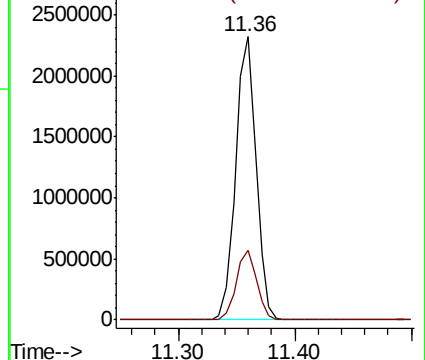
91 100

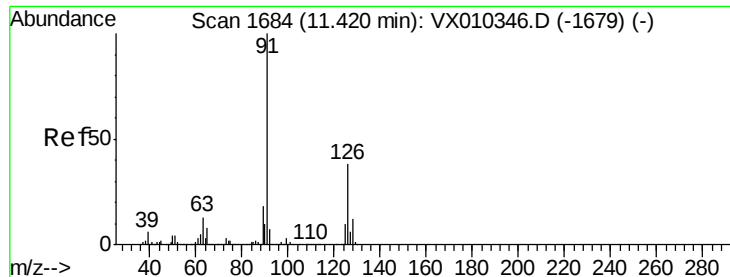
120 24.7 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 305.745 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.06 min

Lab File: VX010358.D

Acq: 20 Jun 2019 15:38

Instrument :

MSVOA_X

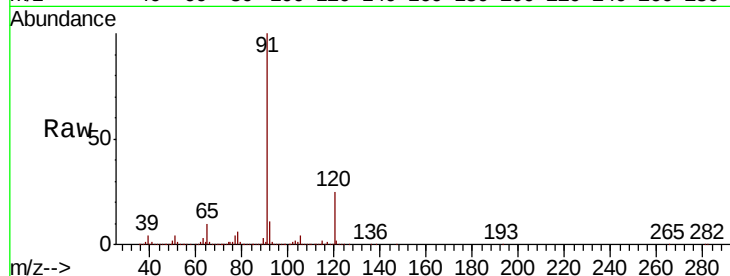
ClientSampleId :

Tot Ion: 91 Resp: 2840834

Ion Ratio Lower Upper

91 100

126 0.0 18.7 56.1#



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

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

2500000

2000000

1500000

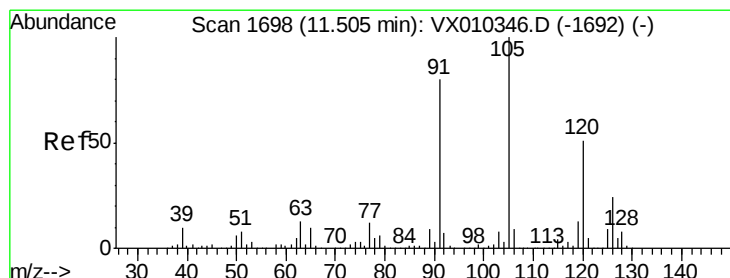
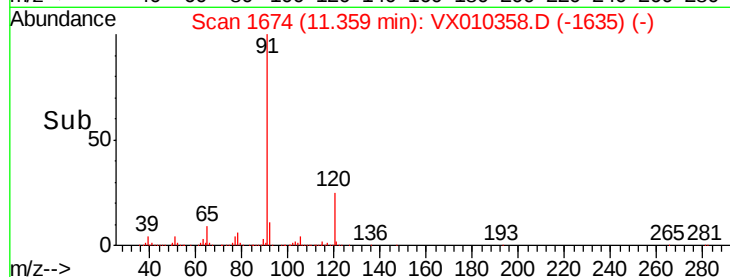
1000000

500000

0

11.30 11.40

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 16.553 ug/l

RT: 11.66 min Scan# 1724

Delta R.T. 0.16 min

Lab File: VX010358.D

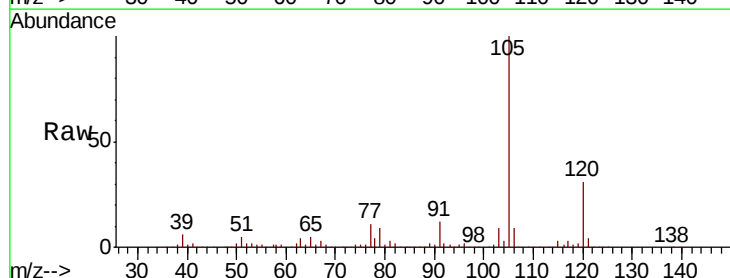
Acq: 20 Jun 2019 15:38

Tgt Ion: 105 Resp: 193742

Ion Ratio Lower Upper

105 100

120 31.9 25.2 75.6



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

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

150000

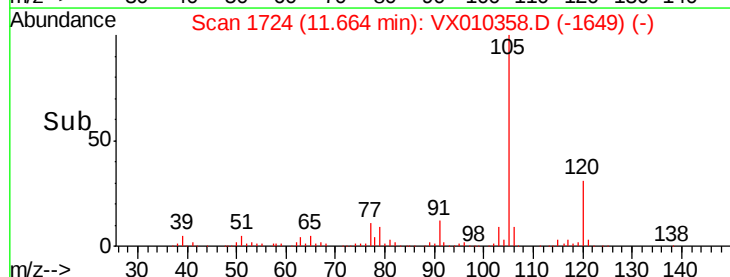
100000

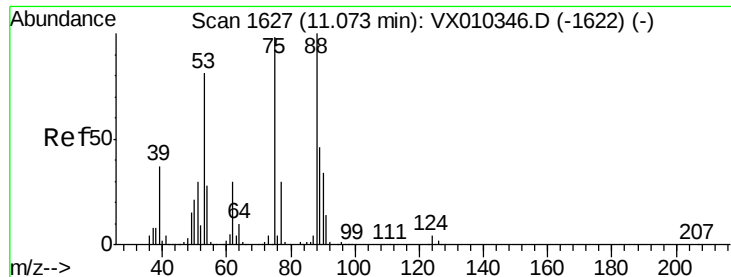
50000

0

11.60 11.70

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 3.960 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.05 min

Lab File: VX010358.D

Acq: 20 Jun 2019 15:38

Instrument :

MSVOA_X

ClientSampleId :

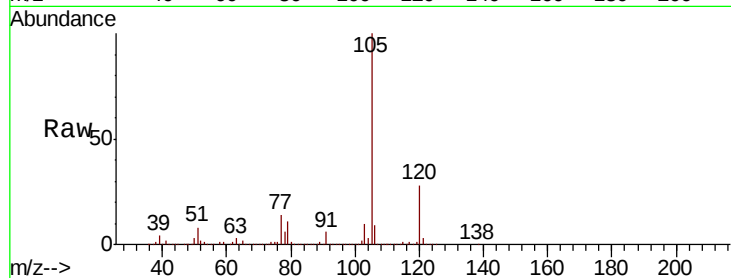
Tot Ion: 75 Resp: 6478

Ion Ratio Lower Upper

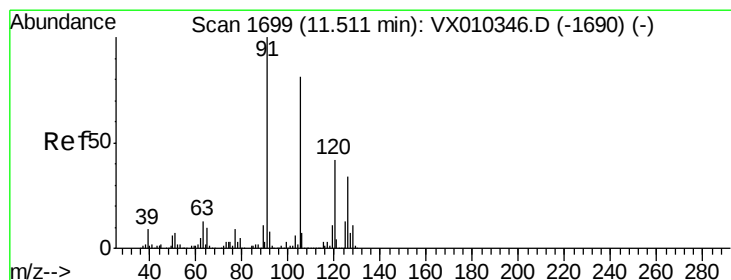
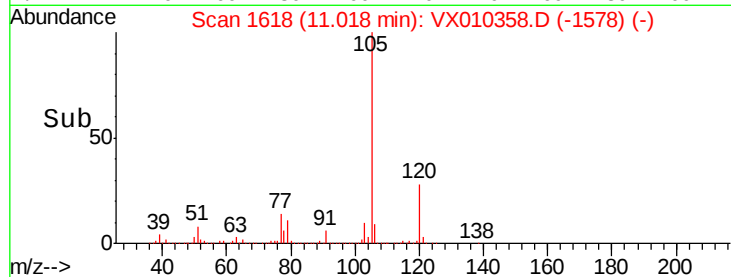
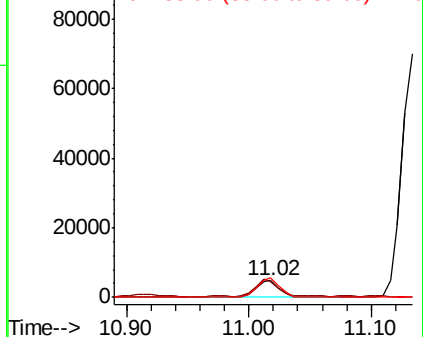
75 100

53 97.1 66.1 99.1

89 110.0 37.8 56.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 268.693 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.15 min

Lab File: VX010358.D

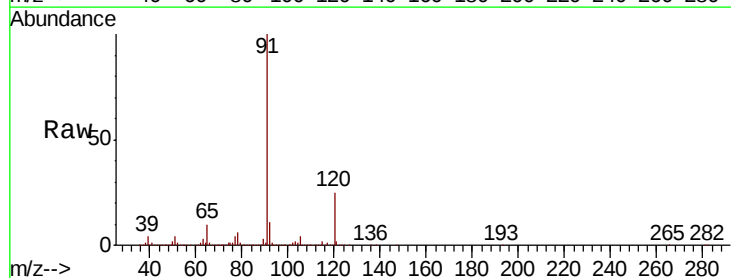
Acq: 20 Jun 2019 15:38

Tgt Ion: 91 Resp: 2840834

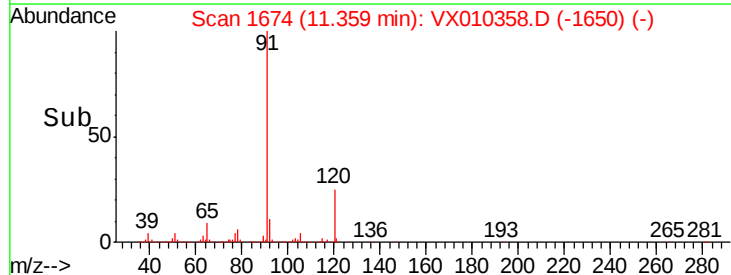
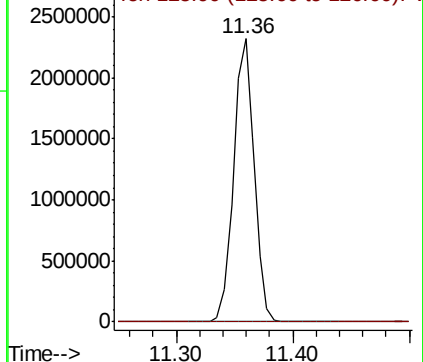
Ion Ratio Lower Upper

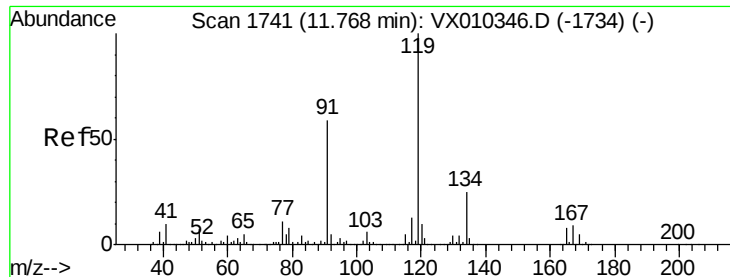
91 100

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

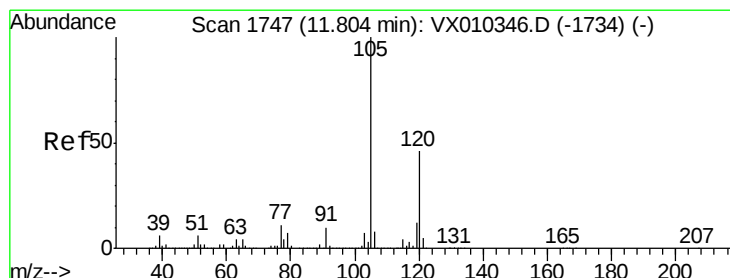
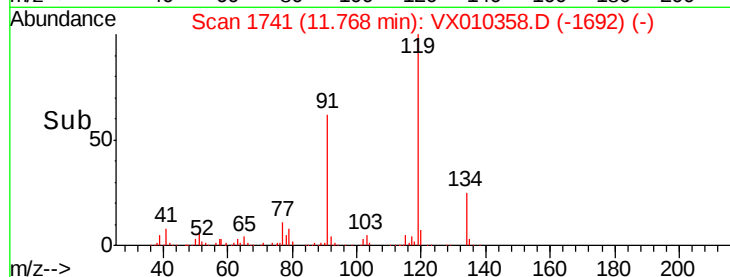
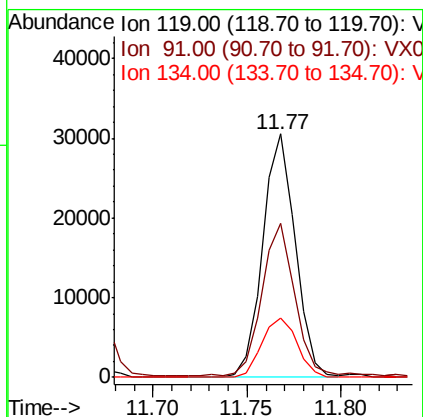
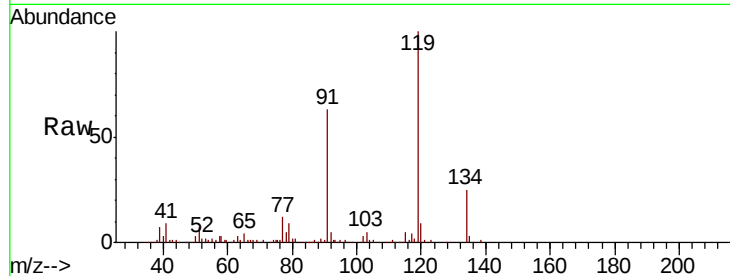




#83
tert-Butylbenzene
Concen: 3.119 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010358.D
Acq: 20 Jun 2019 15:38

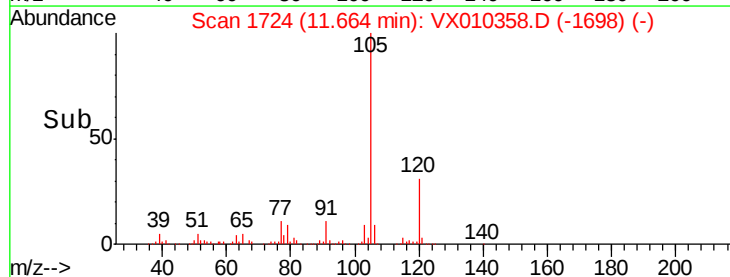
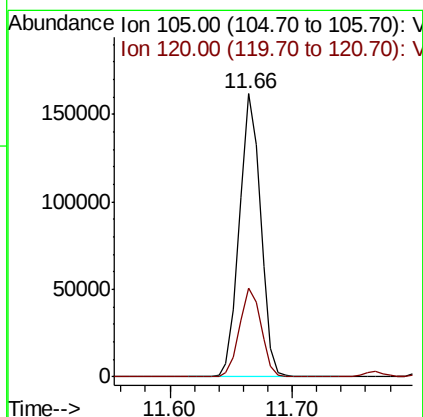
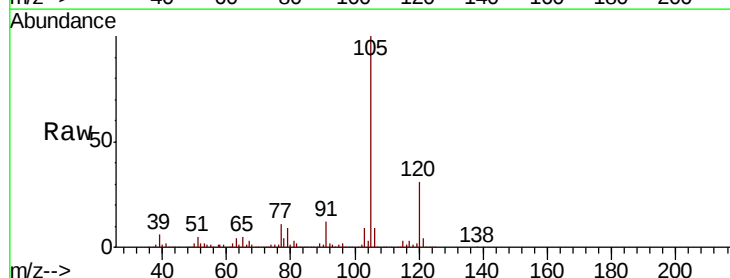
Instrument :
MSVOA_X
ClientSampled :

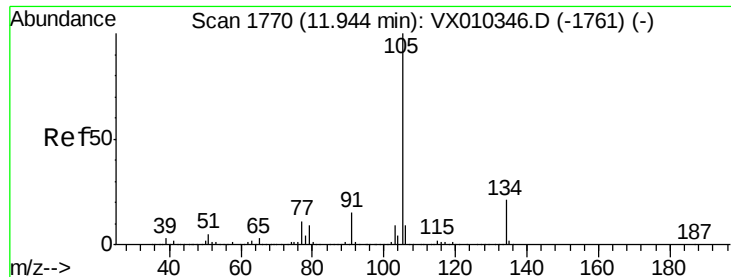
Tot Ion:119 Resp: 36635
Ion Ratio Lower Upper
119 100
91 64.3 27.6 82.7
134 26.5 11.8 35.4



#84
1,2,4-Trimethylbenzene
Concen: 16.476 ug/l
RT: 11.66 min Scan# 1724
Delta R.T. -0.14 min
Lab File: VX010358.D
Acq: 20 Jun 2019 15:38

Tgt Ion:105 Resp: 193742
Ion Ratio Lower Upper
105 100
120 31.9 23.1 69.2





#85

sec-Butylbenzene

Concen: 21.660 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010358.D

Acq: 20 Jun 2019 15:38

Instrument :

MSVOA_X

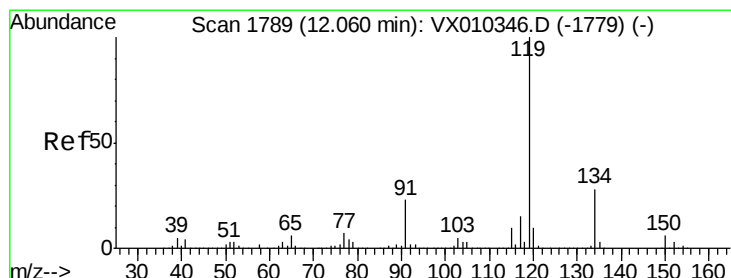
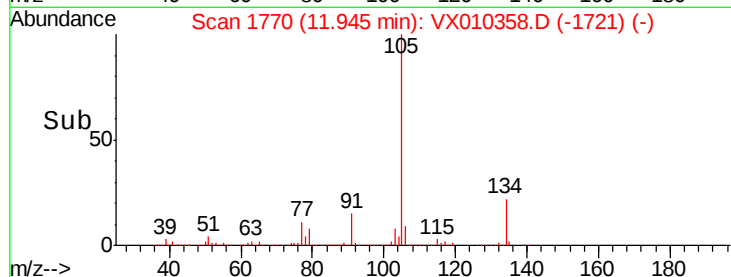
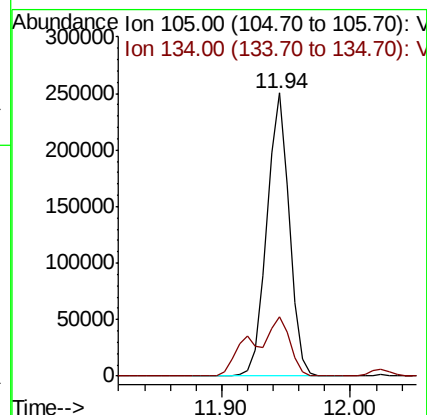
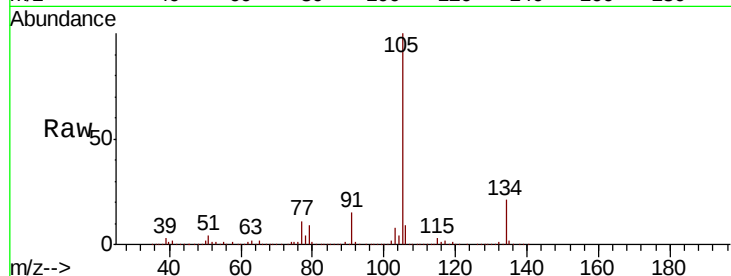
ClientSampled :

Tot Ion:105 Resp: 298757

Ion Ratio Lower Upper

105 100

134 19.0 10.7 31.9



#86

p-Isopropyltoluene

Concen: 11.101 ug/l

RT: 12.23 min Scan# 1817

Delta R.T. 0.17 min

Lab File: VX010358.D

Acq: 20 Jun 2019 15:38

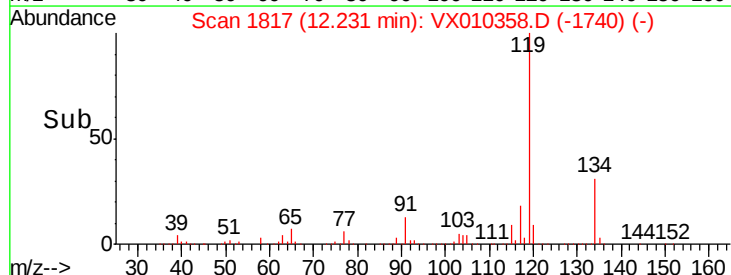
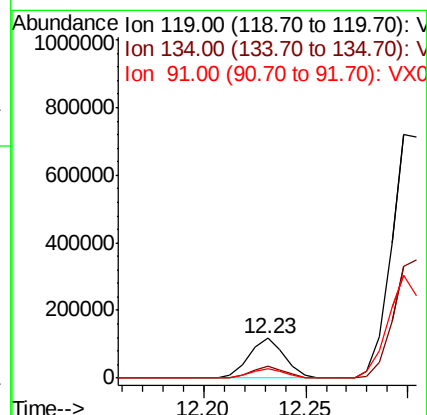
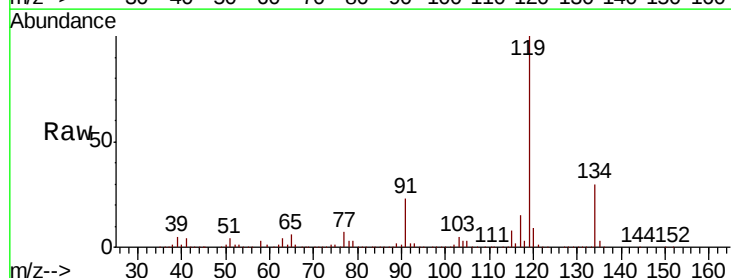
Tgt Ion:119 Resp: 141631

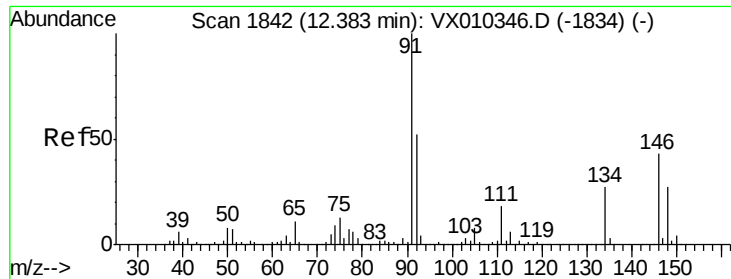
Ion Ratio Lower Upper

119 100

134 29.4 13.7 41.1

91 22.9 11.3 33.8

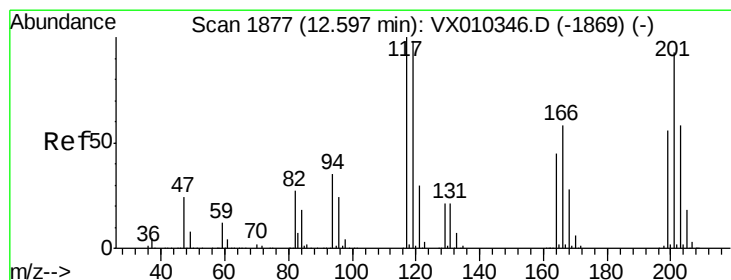
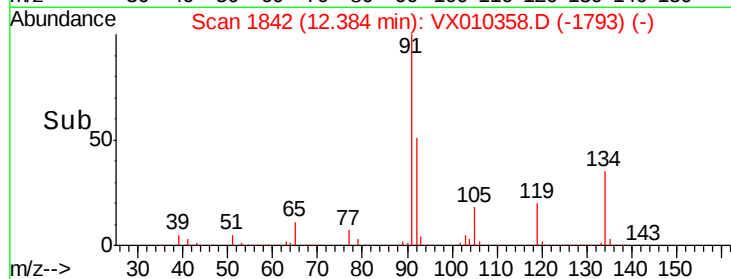
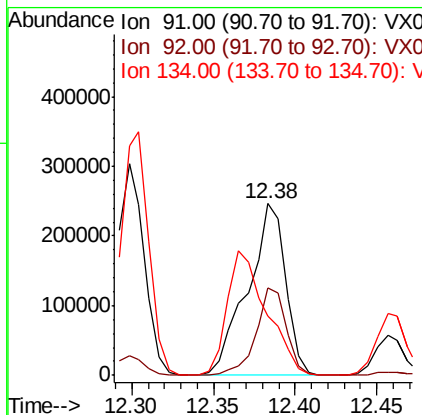
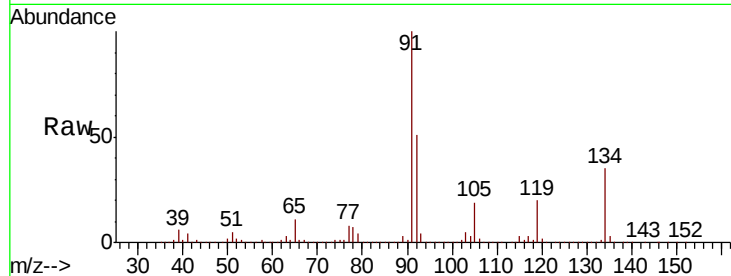




#89
n-Butylbenzene
Concen: 36.655 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010358.D
Acq: 20 Jun 2019 15:38

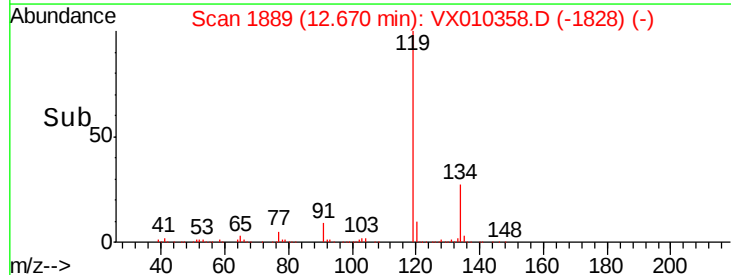
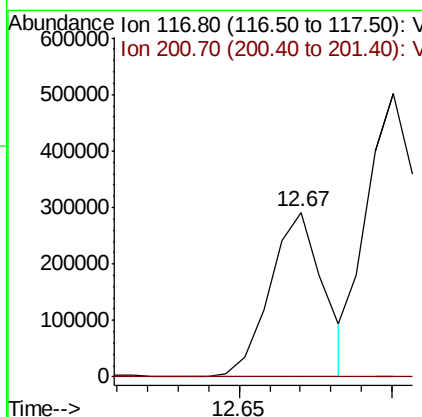
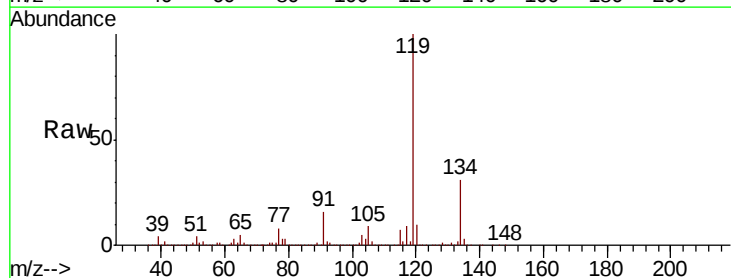
Instrument :
MSVOA_X
ClientSampleId :

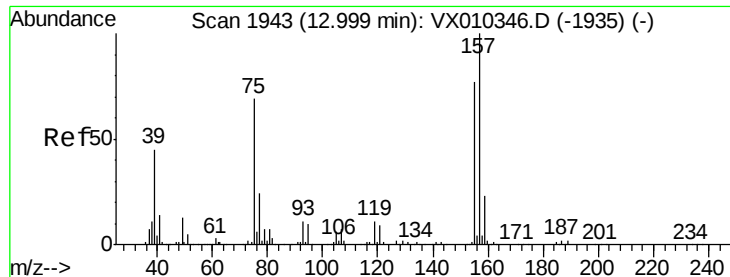
Tot Ion: 91 Resp: 397377
Ion Ratio Lower Upper
91 100
92 40.4 26.2 78.5
134 74.5 14.1 42.4#



#90
Hexachloroethane
Concen: 160.129 ug/l
RT: 12.67 min Scan# 1889
Delta R.T. 0.07 min
Lab File: VX010358.D
Acq: 20 Jun 2019 15:38

Tgt Ion: 117 Resp: 353245
Ion Ratio Lower Upper
117 100
201 0.0 44.0 131.8#

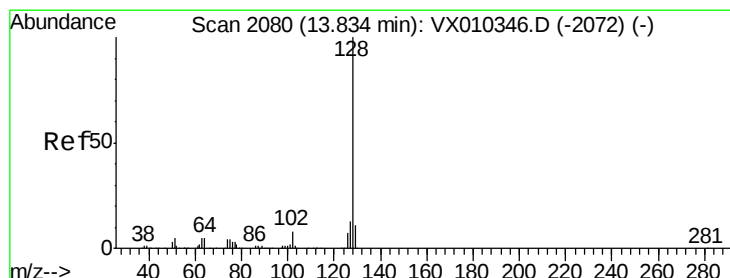
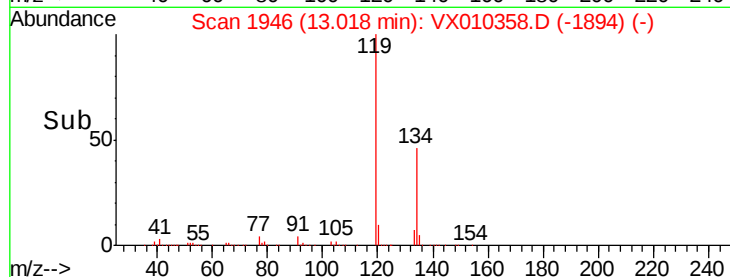
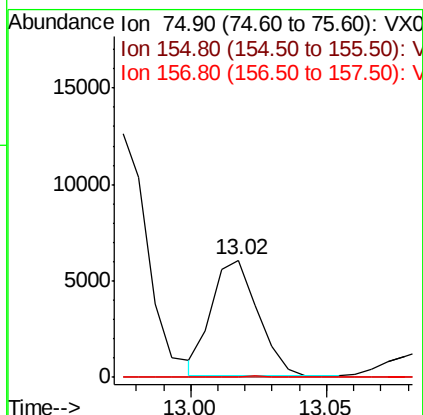
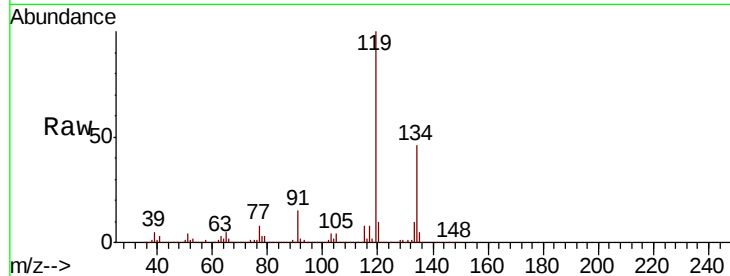




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.951 ug/l
 RT: 13.02 min Scan# 1946
 Delta R.T. 0.02 min
 Lab File: VX010358.D
 Acq: 20 Jun 2019 15:38

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 7046
 Ion Ratio Lower Upper
 75 100
 155 0.0 54.4 163.1#
 157 0.5 69.5 208.3#



#95
 Naphthalene
 Concen: 0.678 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX010358.D
 Acq: 20 Jun 2019 15:38

Tgt Ion: 128 Resp: 9933
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.2 15.4#
 129 0.0 8.9 13.3#

