

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062719\
 Data File : VX010493.D
 Acq On : 27 Jun 2019 16:53
 Operator : JC/SP
 Sample : K3565-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 28 06:49:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	258263	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	399548	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	359295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	166527	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	123327	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	
35) Dibromofluoromethane	5.50	113	124074	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
50) Toluene-d8	8.71	98	472177	50.49	ug/l	0.00
Spiked Amount			Recovery	=	100.98%	
62) 4-Bromofluorobenzene	11.13	95	158039	46.81	ug/l	0.00
Spiked Amount			Recovery	=	93.62%	

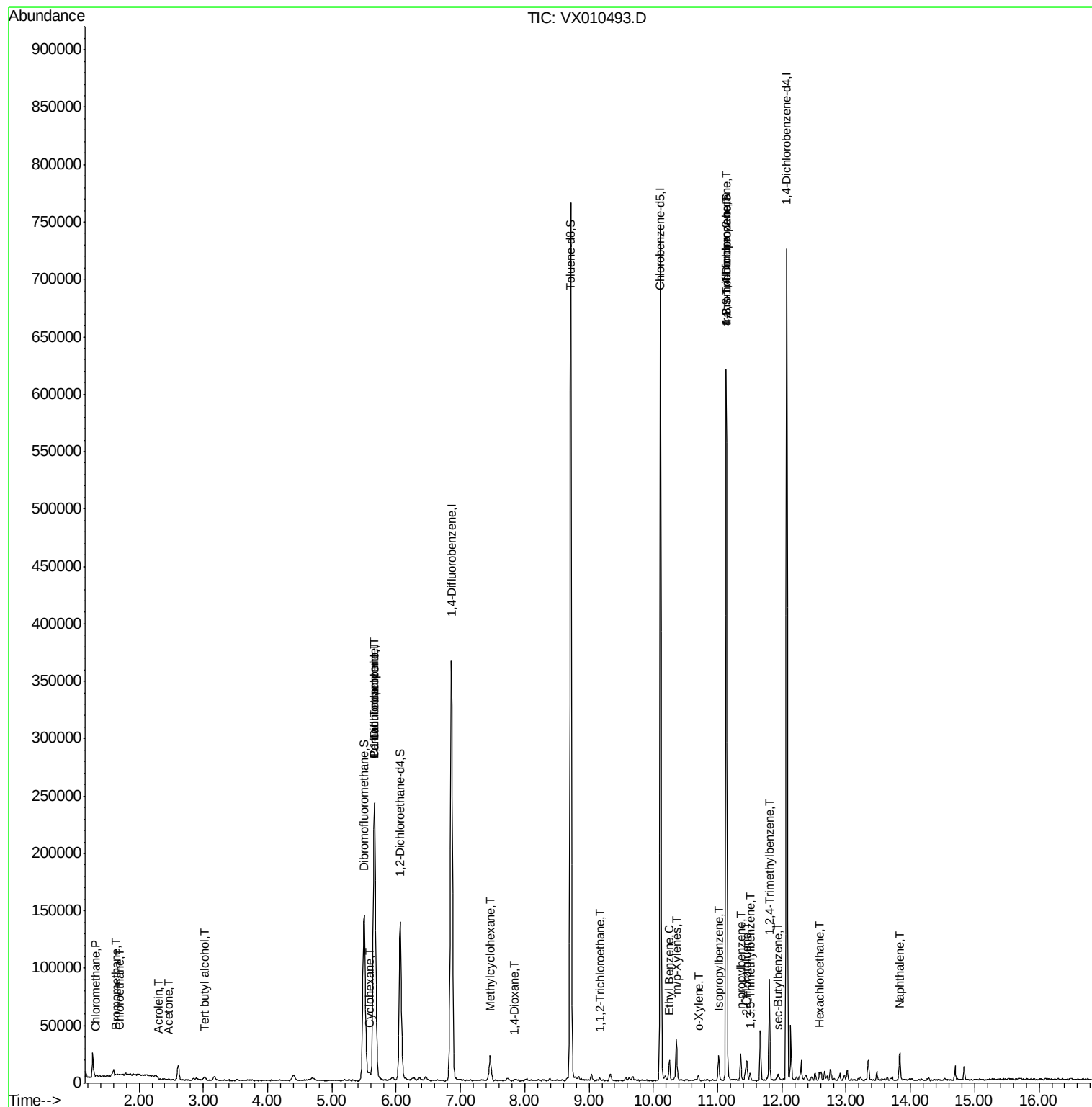
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	534	0.255	ug/l #	57
5) Bromomethane	1.65	94	450	0.403	ug/l #	66
6) Chloroethane	1.70	64	279	0.207	ug/l #	46
11) Tert butyl alcohol	3.03	59	1936	3.055	ug/l #	84
13) Acrolein	2.29	56	266	0.633	ug/l #	14
16) Acetone	2.45	43	1030	0.849	ug/l #	70
31) Cyclohexane	5.59	56	3714	1.062	ug/l #	93
36) 1,1-Dichloropropene	5.65	75	15994	5.037	ug/l #	47
38) Carbon Tetrachloride	5.66	117	22634	6.583	ug/l #	16
39) Methylcyclohexane	7.46	83	9493	2.275	ug/l	93
49) 1,4-Dioxane	7.83	88	22	0.304	ug/l #	1
55) 1,1,2-Trichloroethane	9.17	97	936	0.348	ug/l #	18
67) Ethyl Benzene	10.25	91	10762	0.874	ug/l	98
68) m/p-Xylenes	10.36	106	8608	1.804	ug/l	100
69) o-Xylene	10.70	106	1237	0.264	ug/l	90
73) Isopropylbenzene	11.02	105	10795	0.956	ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	74213	24.456	ug/l #	33
78) n-propylbenzene	11.36	91	9115	0.735	ug/l	93
79) 2-Chlorotoluene	11.45	91	1676	0.227	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.51	105	2606	0.280	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.13	75	74213	57.053	ug/l #	16
84) 1,2,4-Trimethylbenzene	11.80	105	37654	4.027	ug/l	98
85) sec-Butylbenzene	11.94	105	2742	0.250	ug/l	79
90) Hexachloroethane	12.58	117	392	0.223	ug/l #	5
95) Naphthalene	13.83	128	15258	1.309	ug/l	98

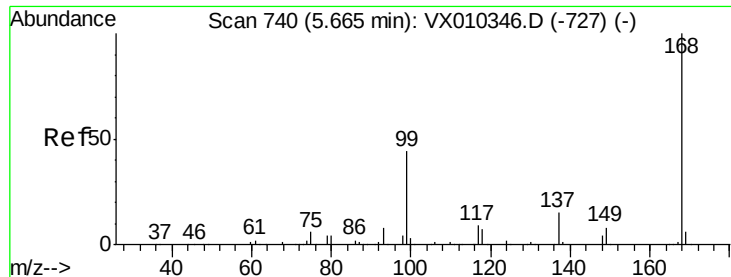
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062719\
Data File : VX010493.D
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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jun 28 06:49:03 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

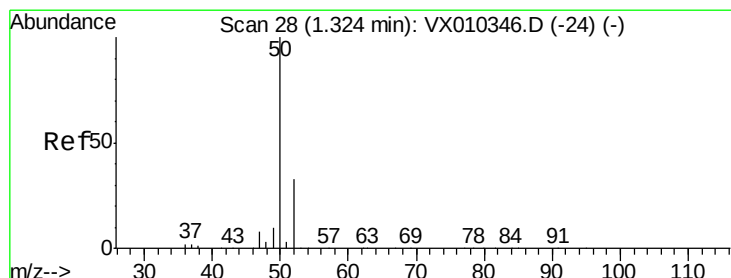
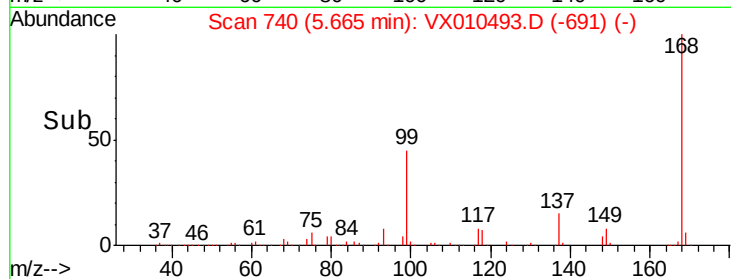
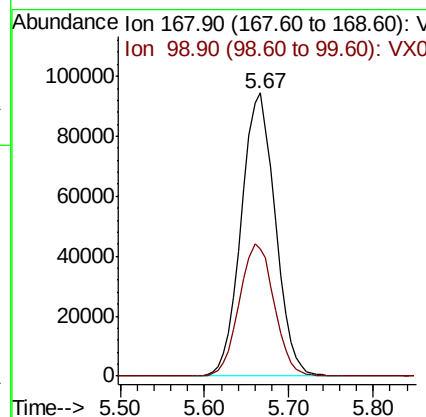
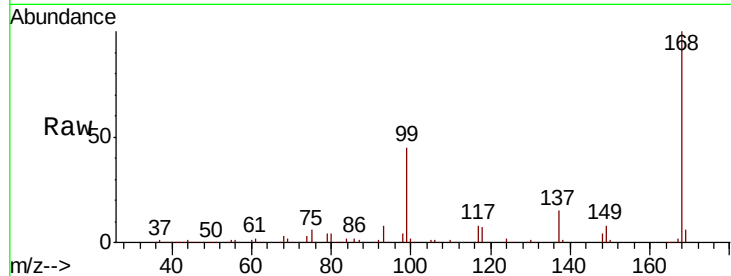




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.00 min
Lab File: VX010493.D
Acq: 27 Jun 2019 16:53

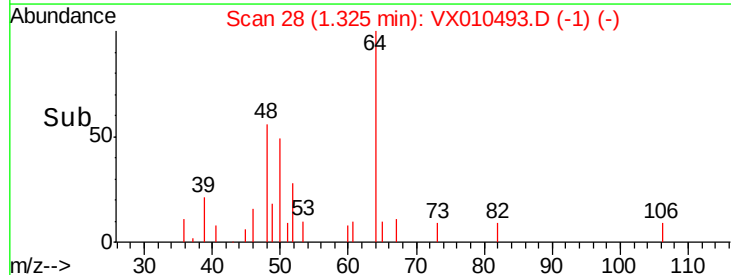
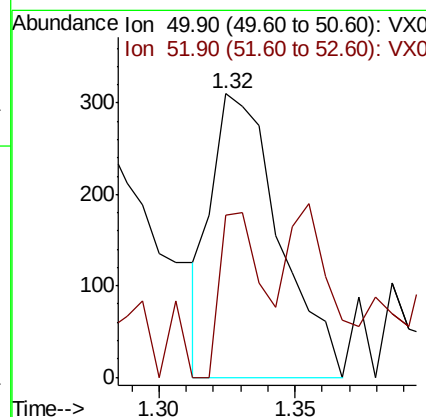
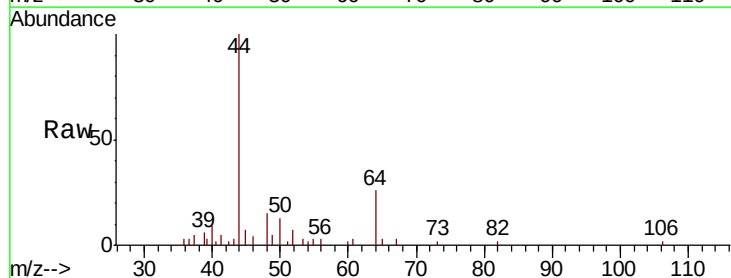
Instrument :
MSVOA_X
ClientSampled :

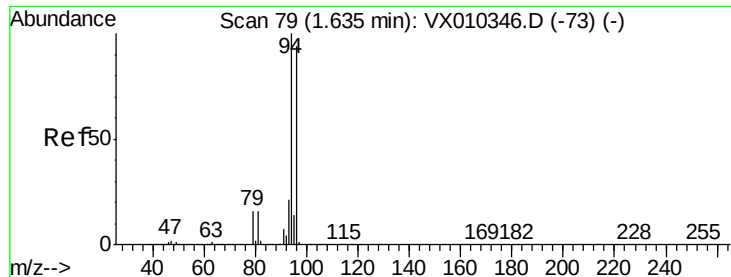
Tot Ion:168 Resp: 258263
Ion Ratio Lower Upper
168 100
99 45.1 35.5 53.3



#3
Chloromethane
Concen: 0.255 ug/l
RT: 1.32 min Scan# 28
Delta R.T. 0.00 min
Lab File: VX010493.D
Acq: 27 Jun 2019 16:53

Tgt Ion: 50 Resp: 534
Ion Ratio Lower Upper
50 100
52 57.4 26.5 39.7#





#5

Bromomethane

Concen: 0.403 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010493.D

Acq: 27 Jun 2019 16:53

Instrument :

MSVOA_X

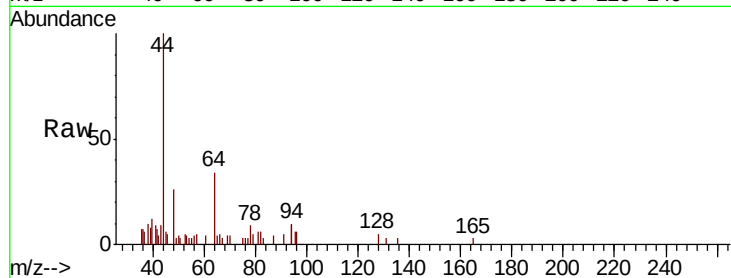
ClientSampled :

Tot Ion: 94 Resp: 450

Ion Ratio Lower Upper

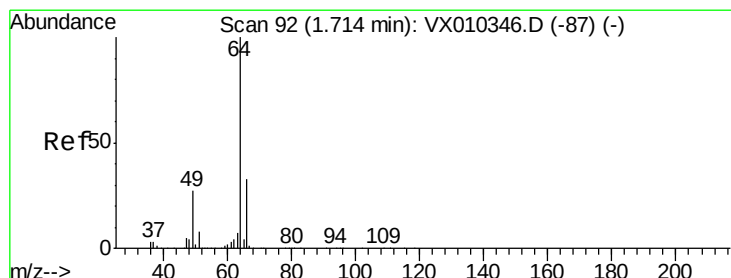
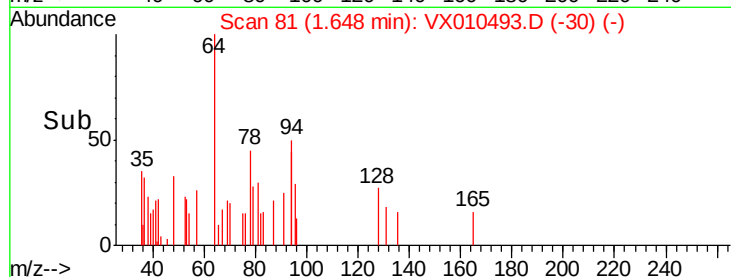
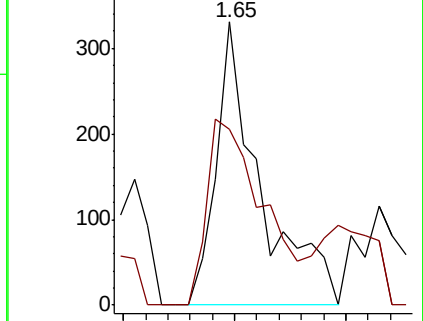
94 100

96 61.9 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.207 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX010493.D

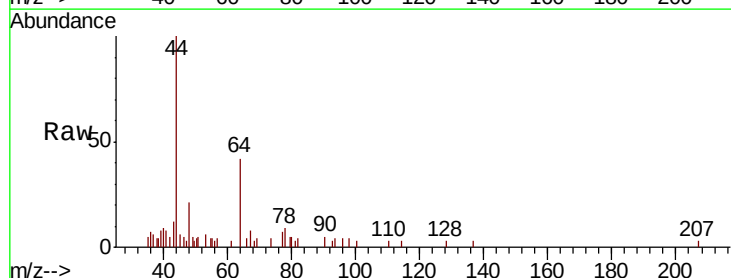
Acq: 27 Jun 2019 16:53

Tgt Ion: 64 Resp: 279

Ion Ratio Lower Upper

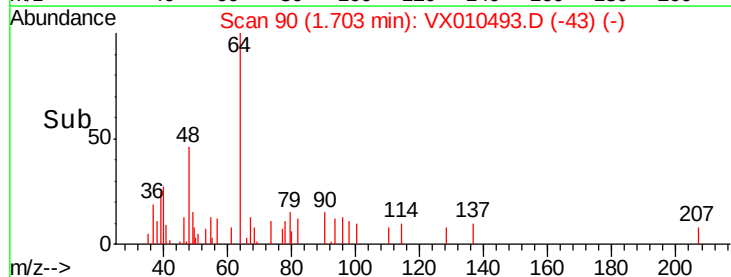
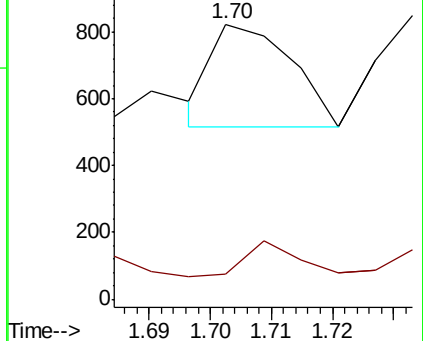
64 100

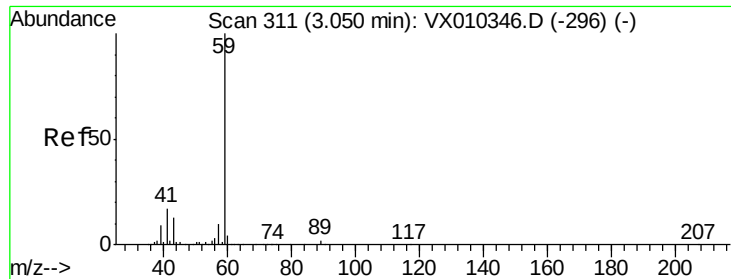
66 2.6 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

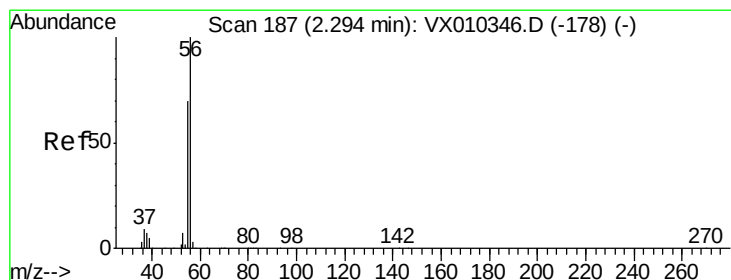
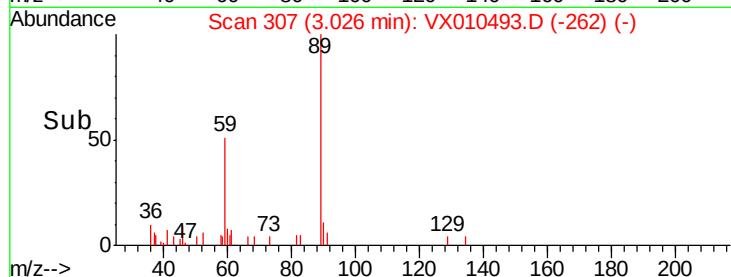
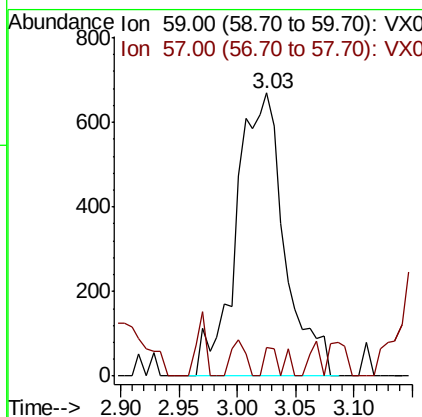
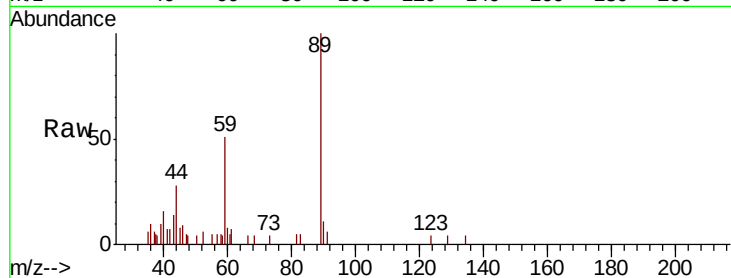




#11
Tert butyl alcohol
Concen: 3.055 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX010493.D
Acq: 27 Jun 2019 16:53

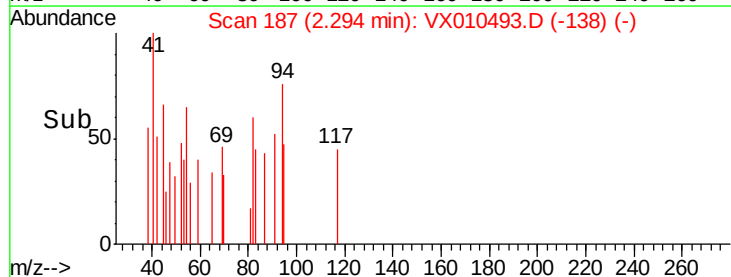
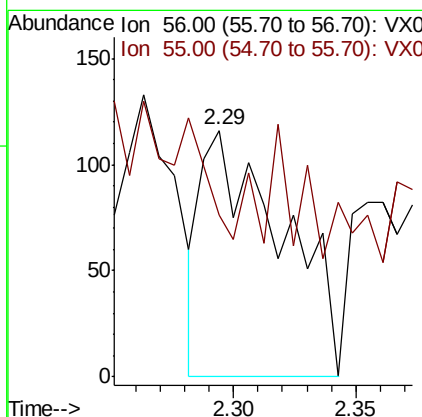
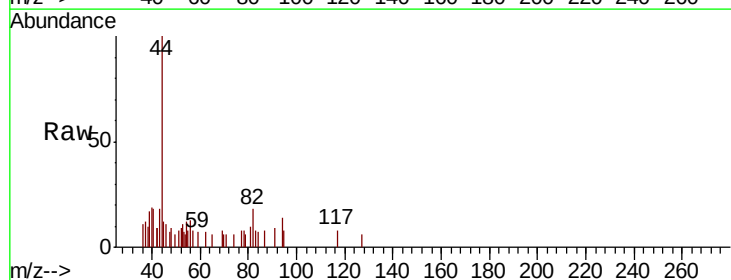
Instrument :
MSVOA_X
ClientSampleId :

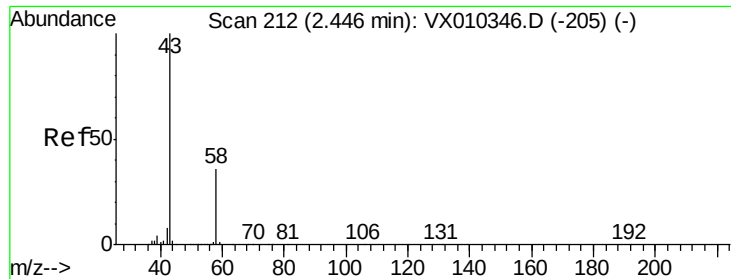
Tot Ion: 59 Resp: 1936
Ion Ratio Lower Upper
59 100
57 3.7 7.7 11.5#



#13
Acrolein
Concen: 0.633 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX010493.D
Acq: 27 Jun 2019 16:53

Tgt Ion: 56 Resp: 266
Ion Ratio Lower Upper
56 100
55 0.0 56.9 85.3#

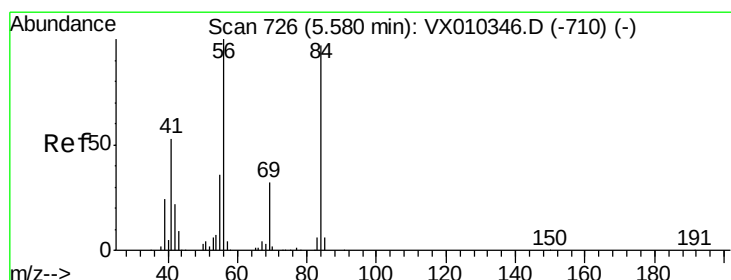
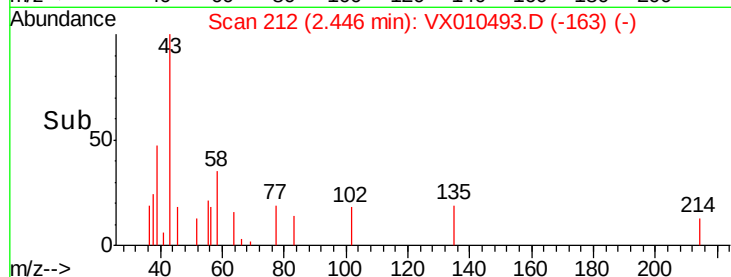
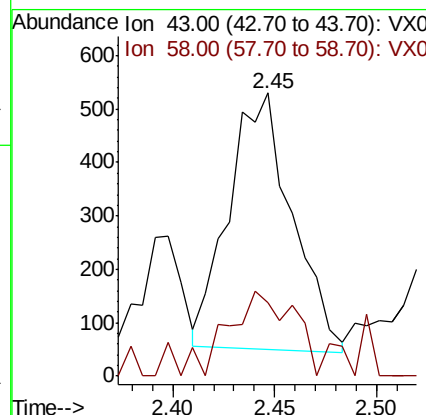
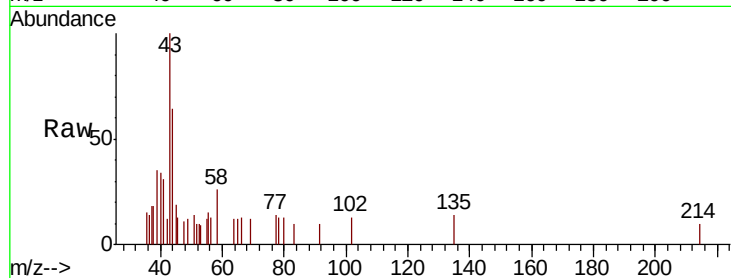




#16
Acetone
Concen: 0.849 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX010493.D
Acq: 27 Jun 2019 16:53

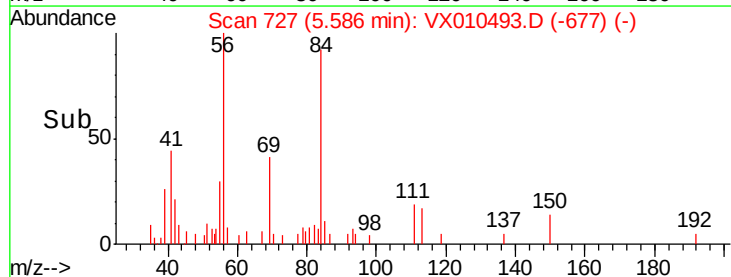
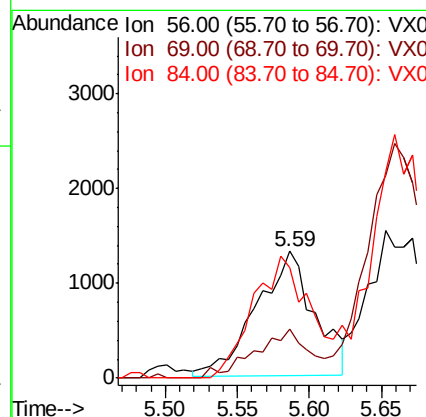
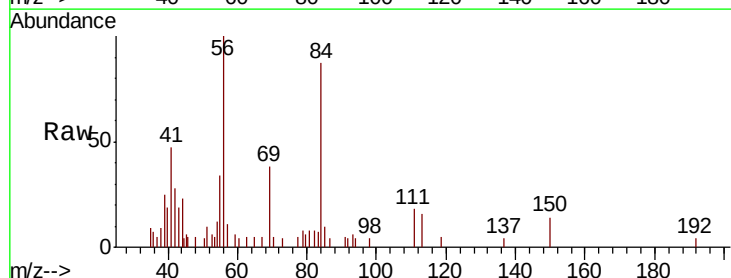
Instrument :
MSVOA_X
ClientSampled :

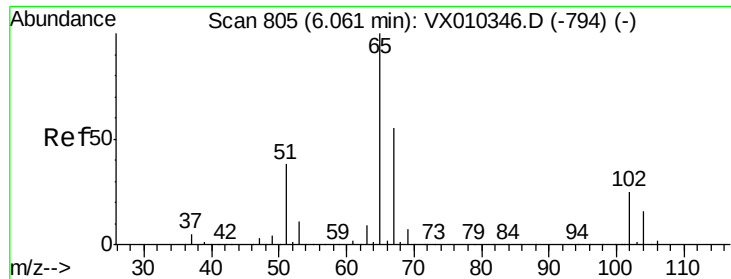
Tot Ion: 43 Resp: 1030
Ion Ratio Lower Upper
43 100
58 18.2 28.9 43.3#



#31
Cyclohexane
Concen: 1.062 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX010493.D
Acq: 27 Jun 2019 16:53

Tgt Ion: 56 Resp: 3714
Ion Ratio Lower Upper
56 100
69 40.7 25.9 38.9#
84 92.5 78.0 117.0





#33

1,2-Dichloroethane-d4

Concen: 50.931 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010493.D

Acq: 27 Jun 2019 16:53

Instrument :

MSVOA_X

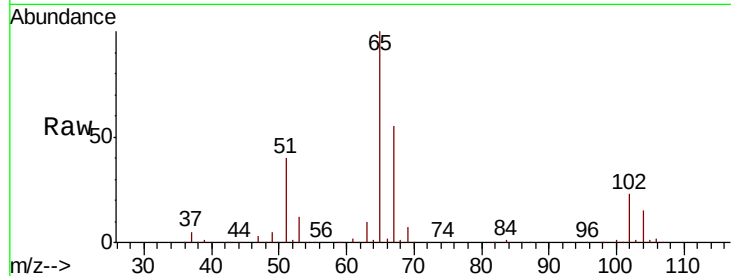
ClientSampled :

Tot Ion: 65 Resp: 123327

Ion Ratio Lower Upper

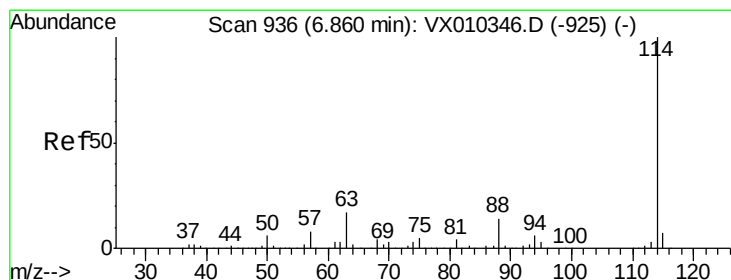
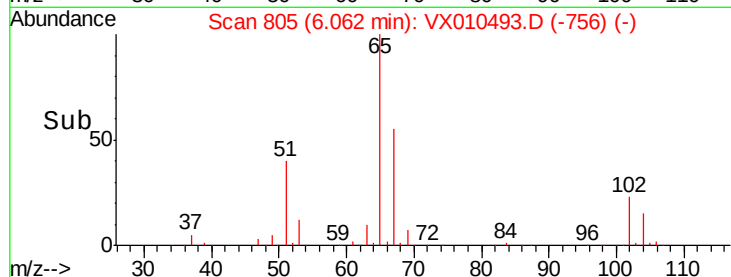
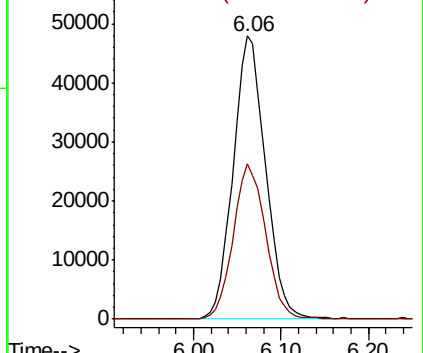
65 100

67 55.0 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: VX010493.D

Acq: 27 Jun 2019 16:53

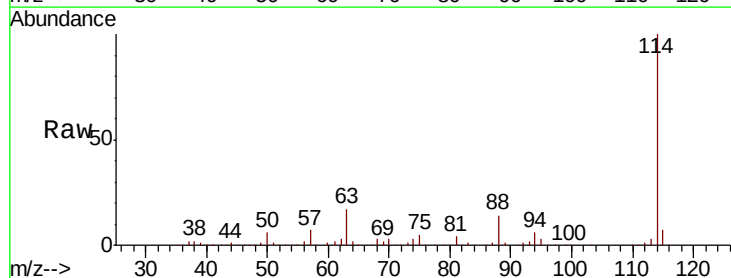
Tgt Ion: 114 Resp: 399548

Ion Ratio Lower Upper

114 100

63 17.0 0.0 33.8

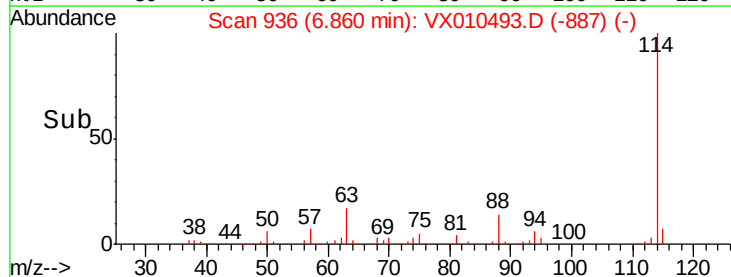
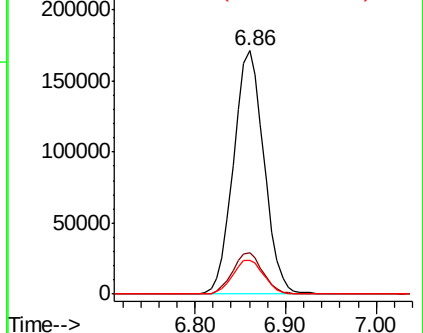
88 14.0 0.0 27.6

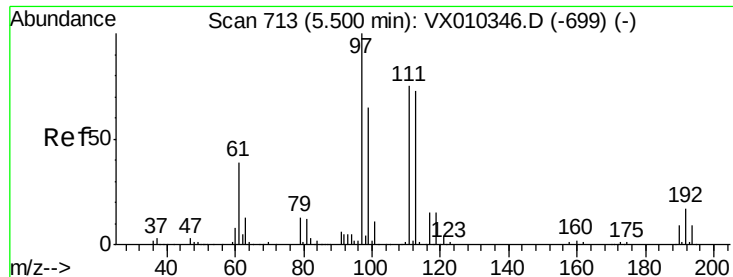


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

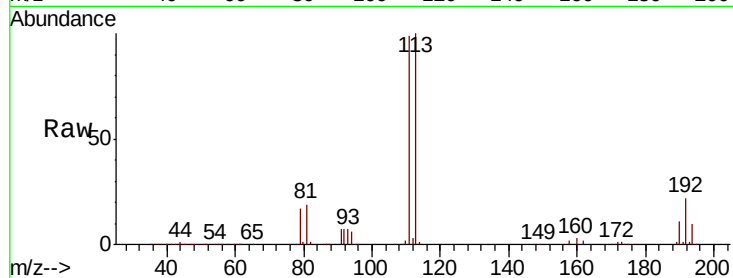




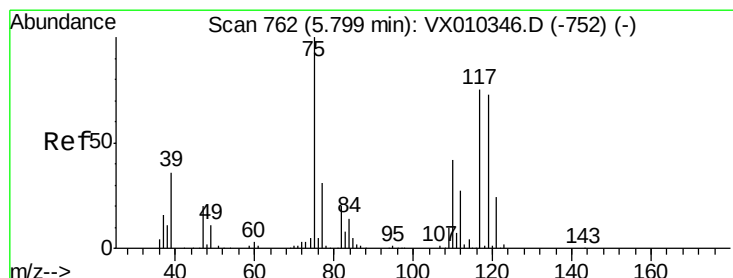
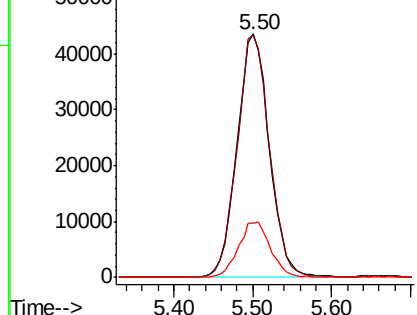
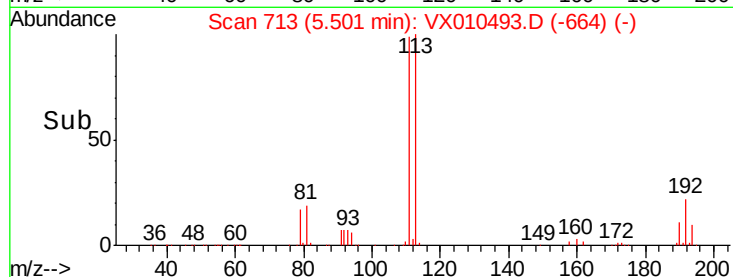
#35
 Dibromofluoromethane
 Concen: 50.755 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010493.D
 Acq: 27 Jun 2019 16:53

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:113 Resp: 124074
 Ion Ratio Lower Upper
 113 100
 111 99.7 81.2 121.8
 192 22.6 18.6 27.8

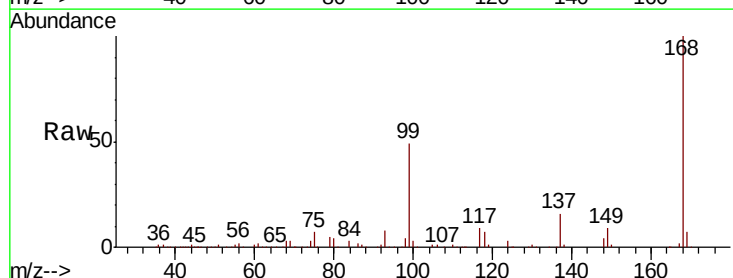


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

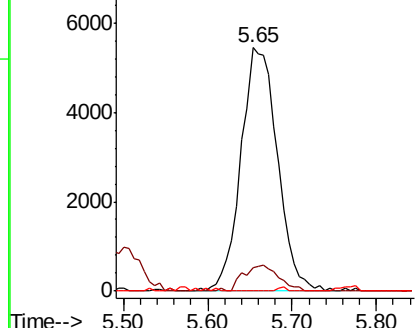
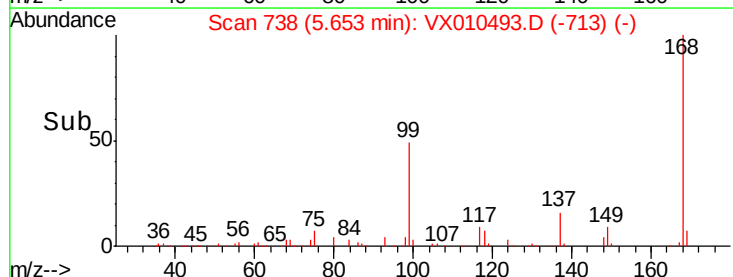


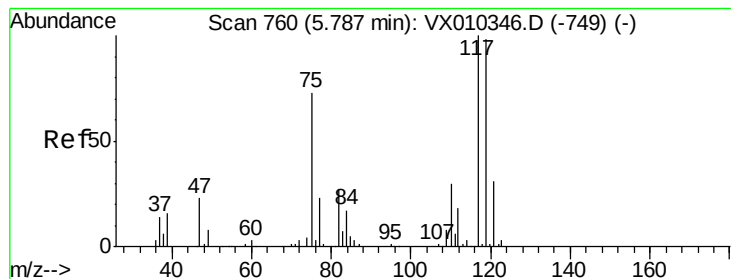
#36
 1,1-Dichloropropene
 Concen: 5.037 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX010493.D
 Acq: 27 Jun 2019 16:53

Tgt Ion: 75 Resp: 15994
 Ion Ratio Lower Upper
 75 100
 110 10.4 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: 6.583 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010493.D

Acq: 27 Jun 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

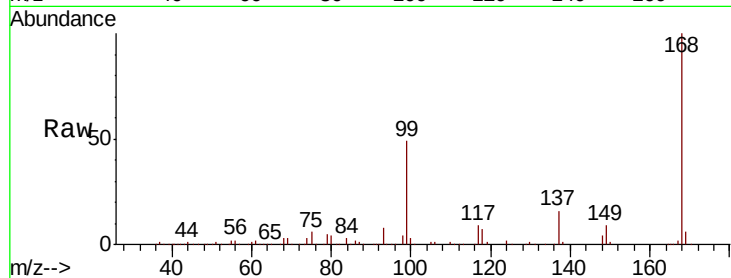
Tot Ion:117 Resp: 22634

Ion Ratio Lower Upper

117 100

119 5.9 78.2 117.4#

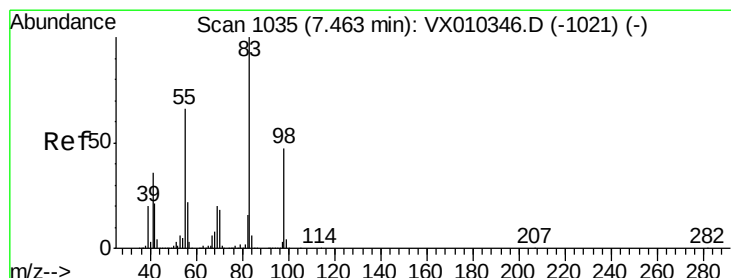
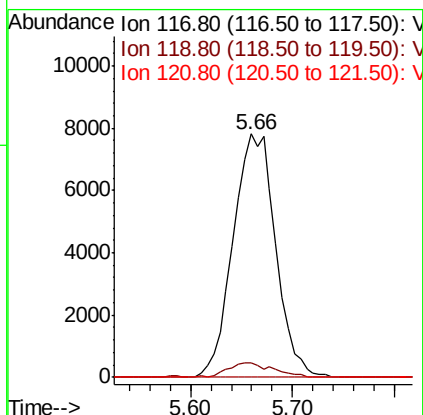
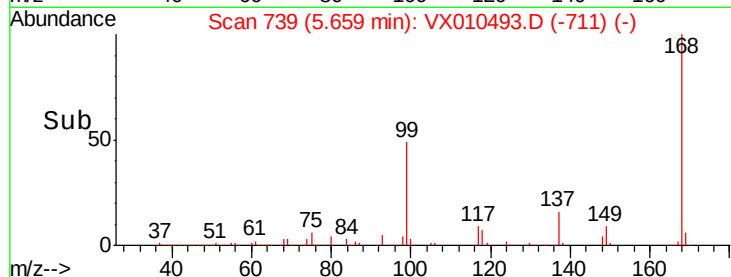
121 0.0 24.7 37.1#



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: 2.275 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX010493.D

Acq: 27 Jun 2019 16:53

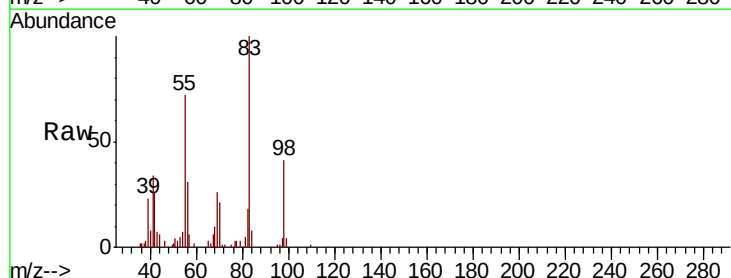
Tgt Ion: 83 Resp: 9493

Ion Ratio Lower Upper

83 100

55 70.6 53.0 79.6

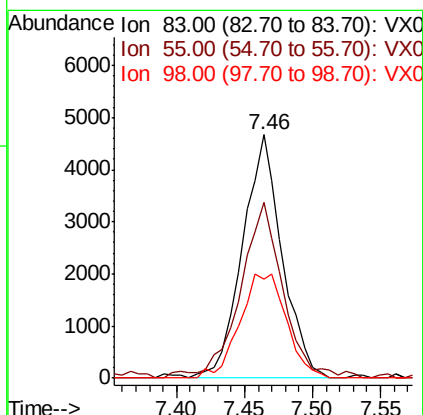
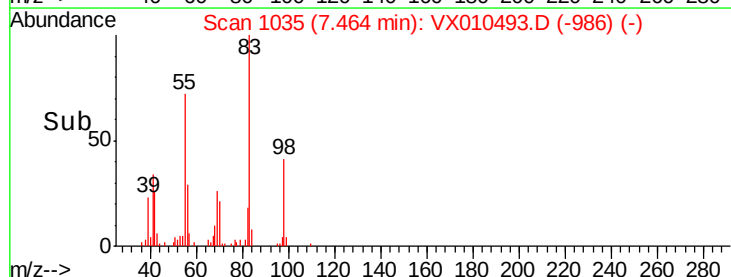
98 40.6 37.8 56.8

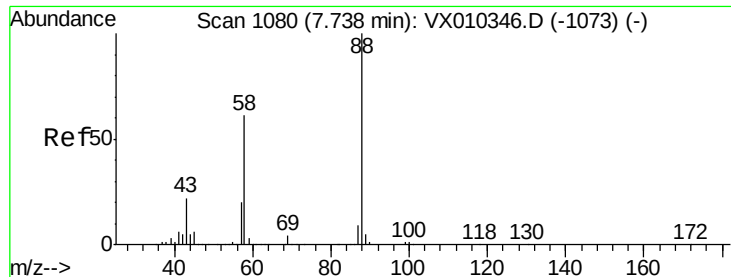


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#49

1,4-Dioxane

Concen: 0.304 ug/l

RT: 7.83 min Scan# 1095

Delta R.T. 0.09 min

Lab File: VX010493.D

Acq: 27 Jun 2019 16:53

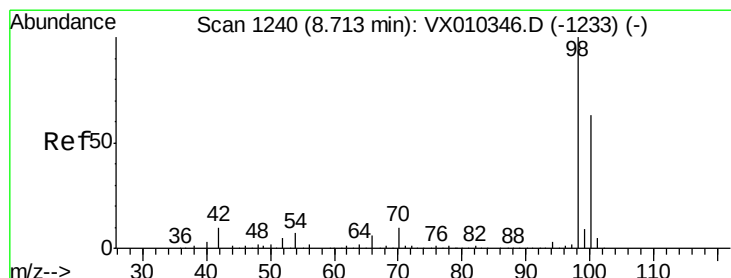
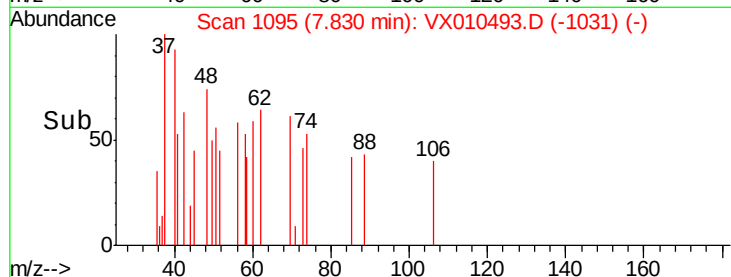
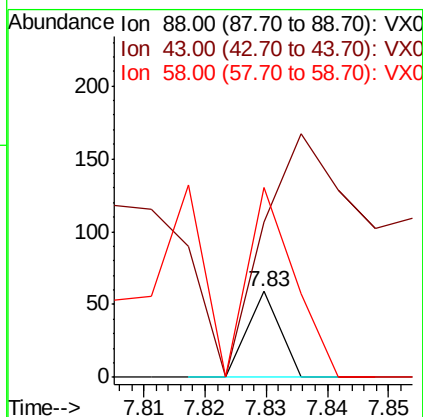
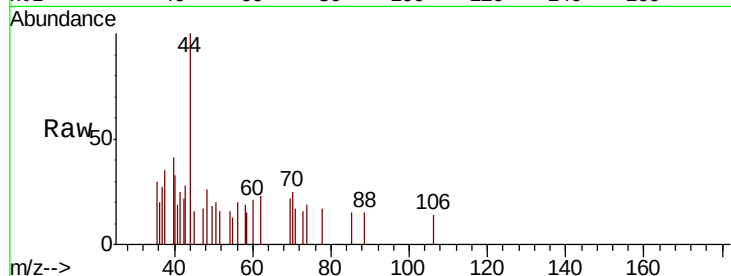
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 88 Resp: 22

Ion	Ratio	Lower	Upper
88	100		
43	1177.3	20.2	30.2#
58	400.0	49.5	74.3#



#50

Toluene-d8

Concen: 50.487 ug/l

RT: 8.71 min Scan# 1240

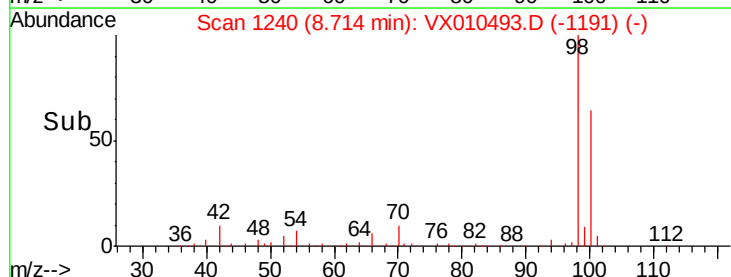
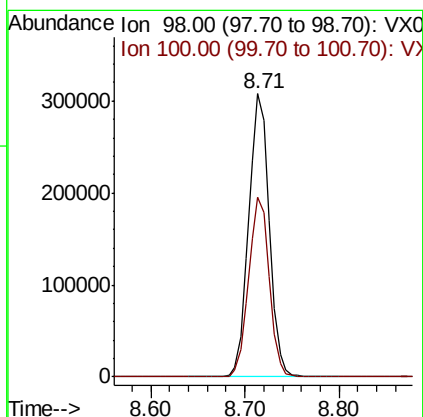
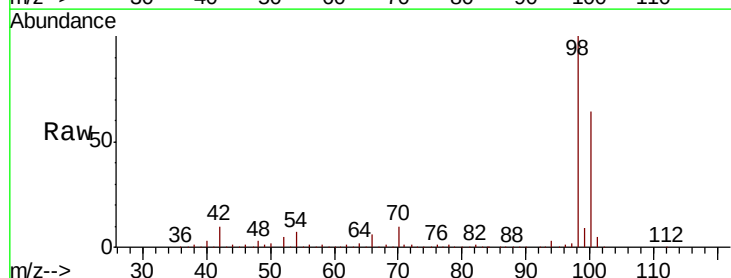
Delta R.T. 0.00 min

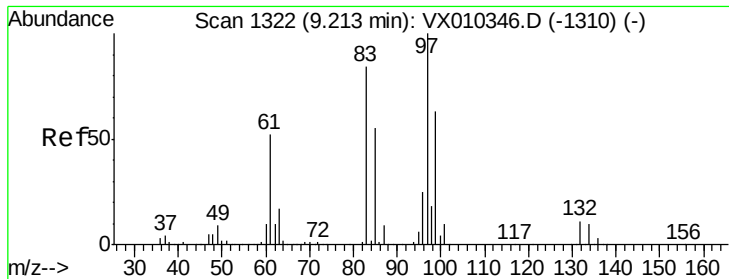
Lab File: VX010493.D

Acq: 27 Jun 2019 16:53

Tgt Ion: 98 Resp: 472177

Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.6	77.4

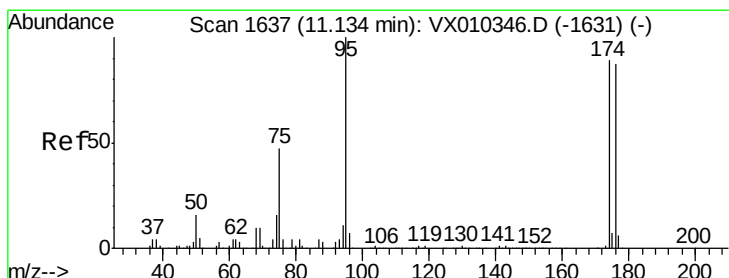
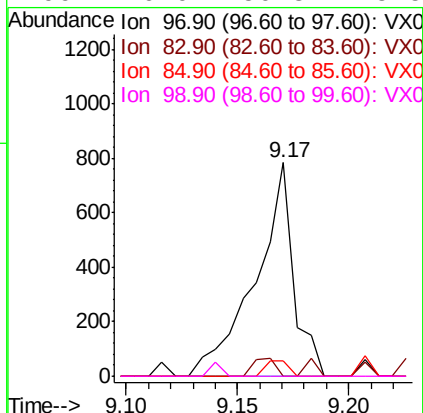
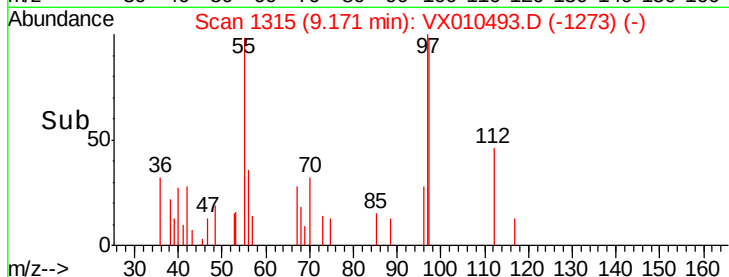
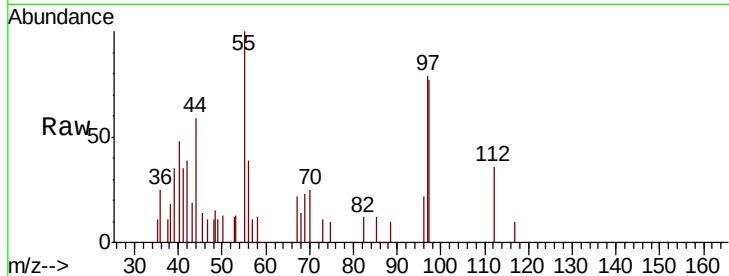




#55
 1,1,2-Trichloroethane
 Concen: 0.348 ug/l
 RT: 9.17 min Scan# 1315
 Delta R.T. -0.04 min
 Lab File: VX010493.D
 Acq: 27 Jun 2019 16:53

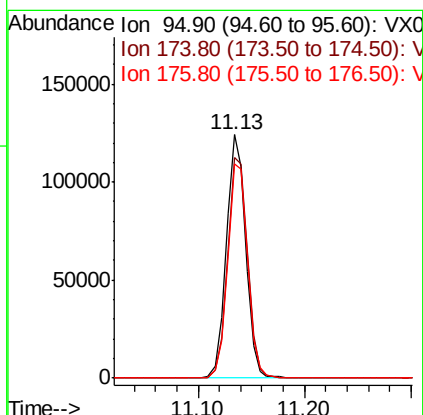
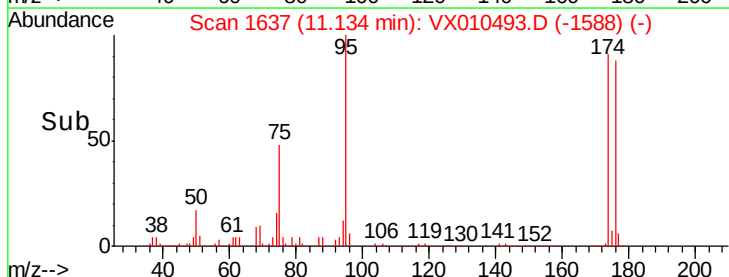
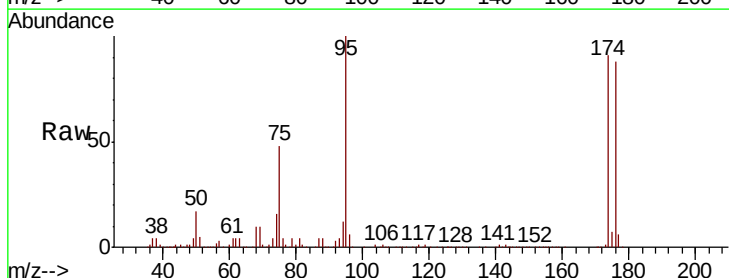
Instrument :
 MSVOA_X
 ClientSampleId :

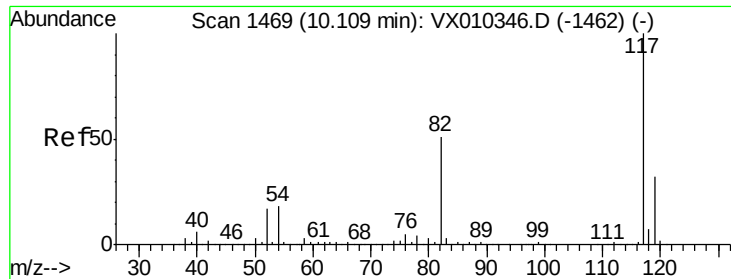
Tot Ion: 97 Resp: 936
 Ion Ratio Lower Upper
 97 100
 83 0.0 67.4 101.0#
 85 7.4 43.8 65.8#
 99 0.0 50.3 75.5#



#62
 4-Bromofluorobenzene
 Concen: 46.805 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX010493.D
 Acq: 27 Jun 2019 16:53

Tgt Ion: 95 Resp: 158039
 Ion Ratio Lower Upper
 95 100
 174 94.1 0.0 187.6
 176 91.2 0.0 184.0

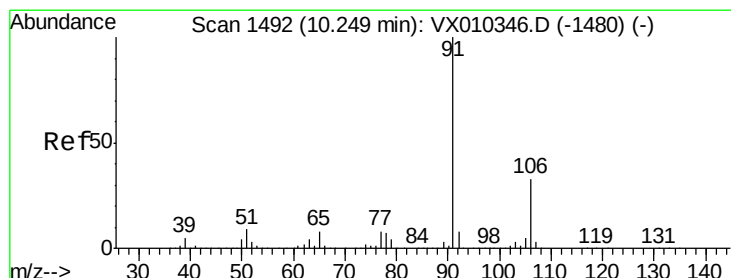
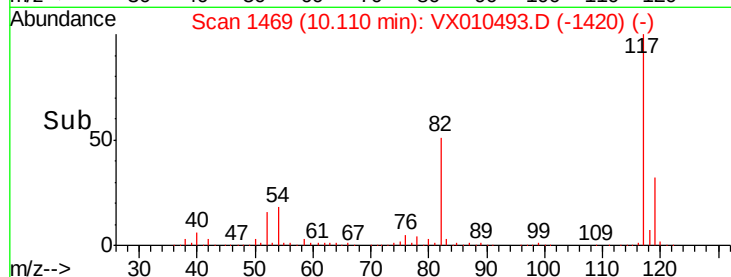
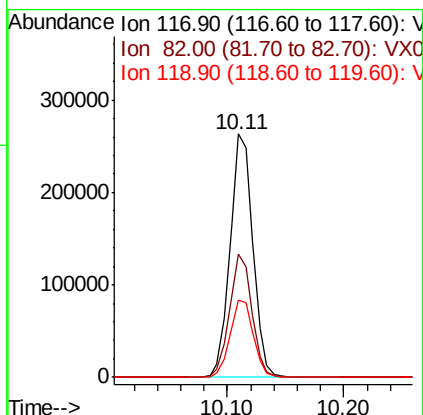
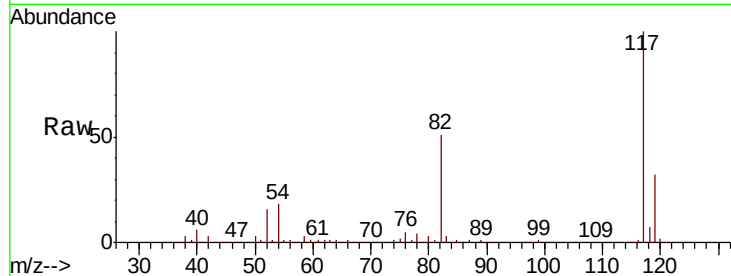




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010493.D
Acq: 27 Jun 2019 16:53

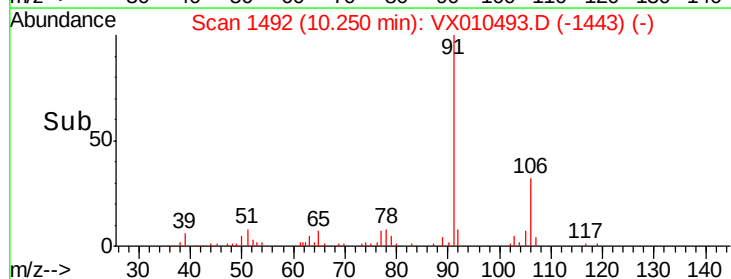
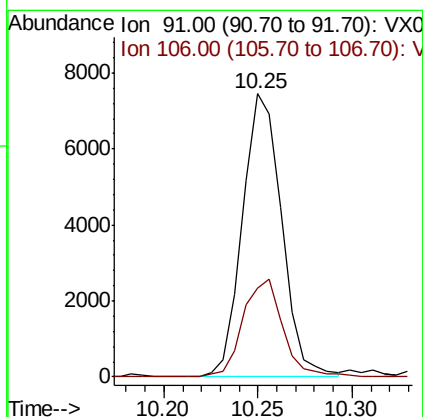
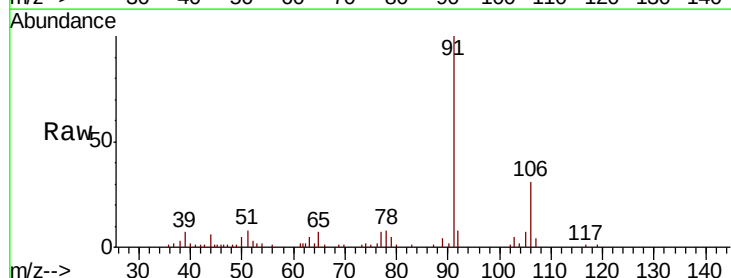
Instrument :
MSVOA_X
ClientSampleId :

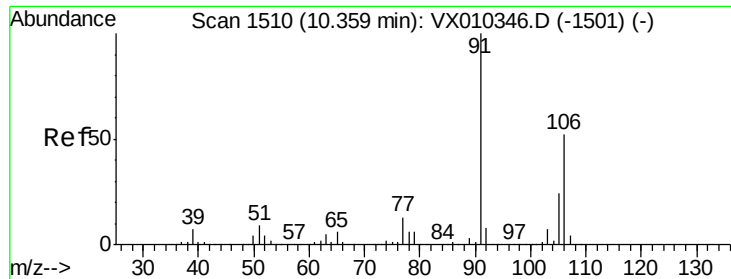
Tot Ion:117 Resp: 359295
Ion Ratio Lower Upper
117 100
82 50.8 41.2 61.8
119 31.9 25.5 38.3



#67
Ethyl Benzene
Concen: 0.874 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010493.D
Acq: 27 Jun 2019 16:53

Tgt Ion: 91 Resp: 10762
Ion Ratio Lower Upper
91 100
106 31.4 26.2 39.2

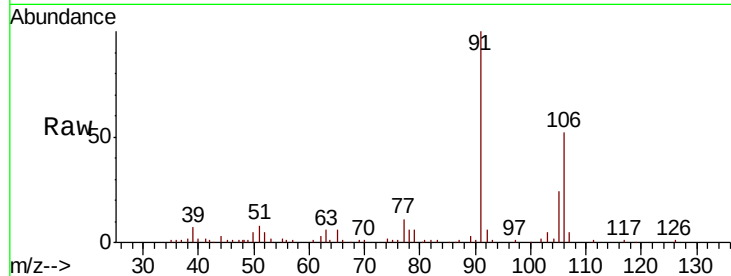




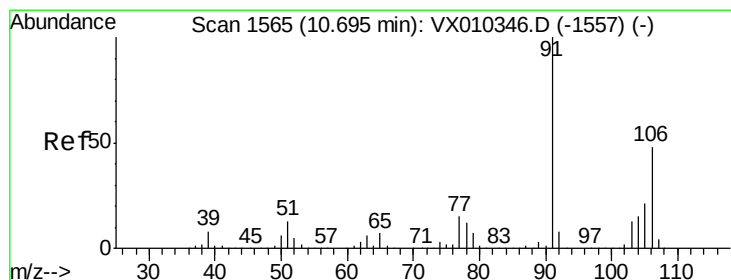
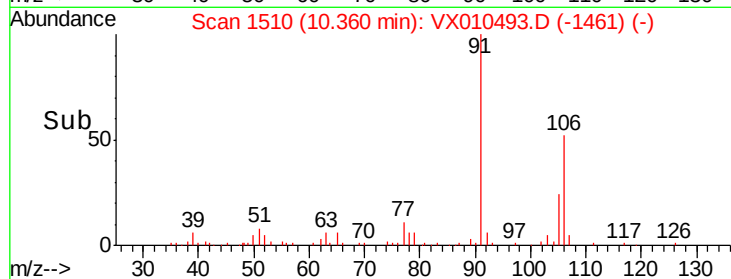
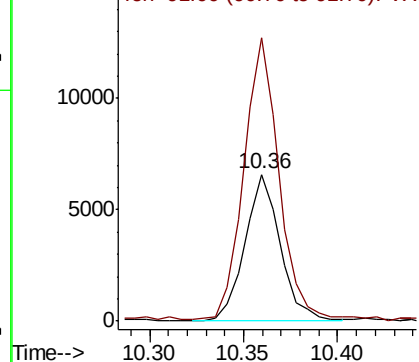
#68
m/p-Xylenes
Concen: 1.804 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010493.D
Acq: 27 Jun 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:106 Resp: 8608
Ion Ratio Lower Upper
106 100
91 194.2 155.3 232.9

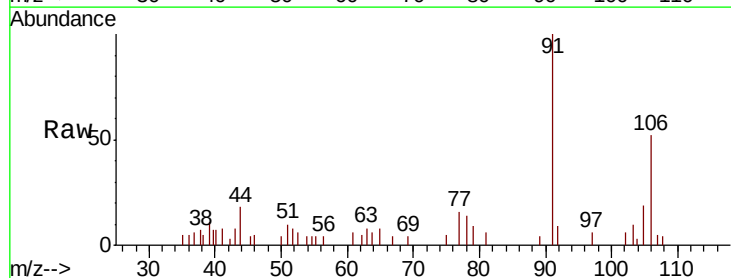


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

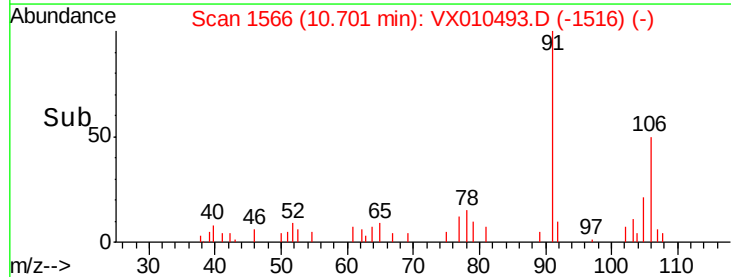
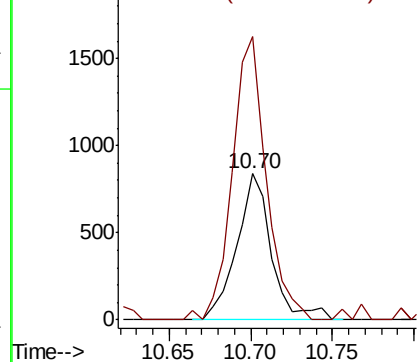


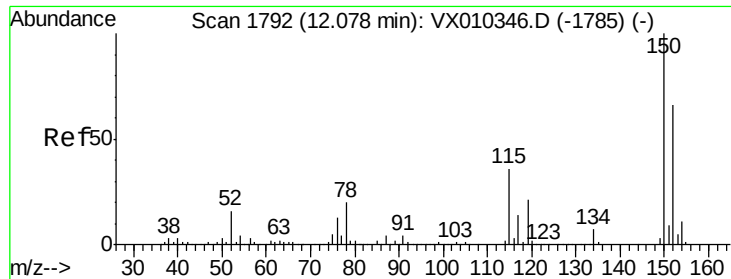
#69
o-Xylene
Concen: 0.264 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX010493.D
Acq: 27 Jun 2019 16:53

Tgt Ion:106 Resp: 1237
Ion Ratio Lower Upper
106 100
91 189.5 102.7 308.1



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



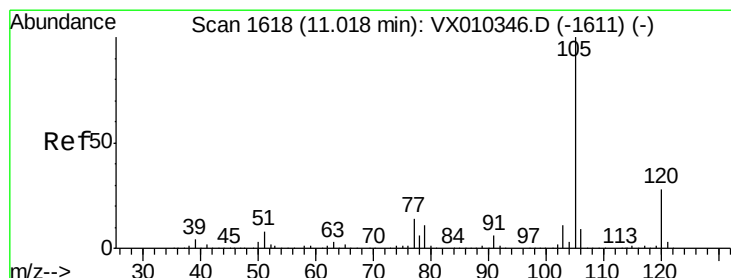
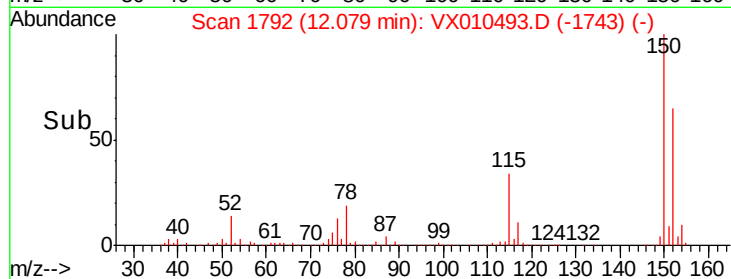
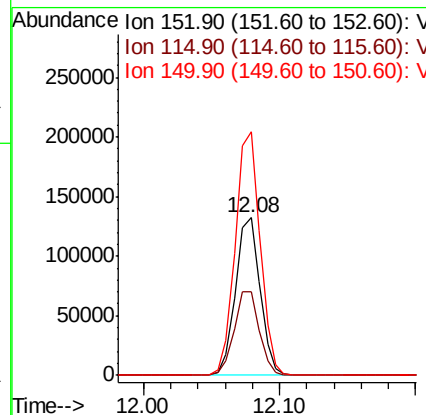
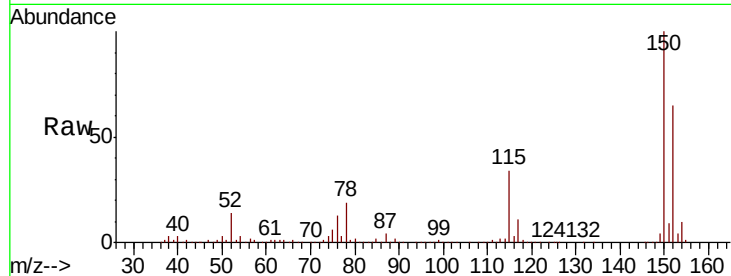


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010493.D
Acq: 27 Jun 2019 16:53

Instrument :
MSVOA_X
ClientSampled :

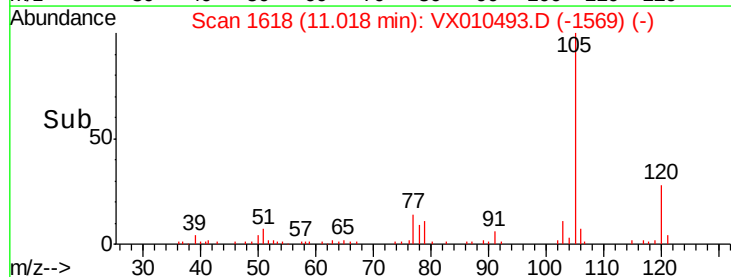
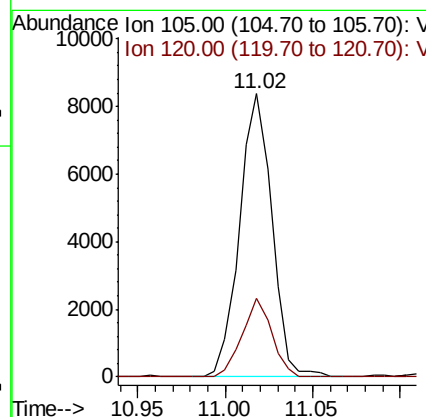
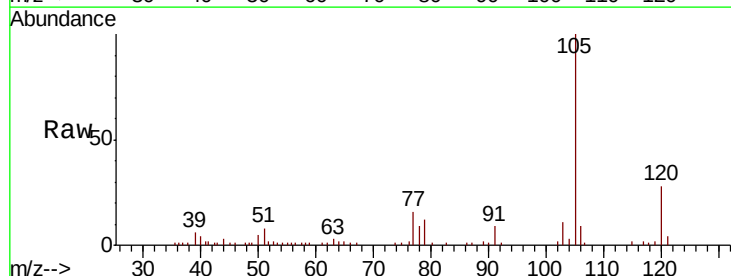
Tot Ion:152 Resp: 166527
Ion Ratio Lower Upper
152 100
115 54.2 38.6 115.7
150 156.0 0.0 347.4

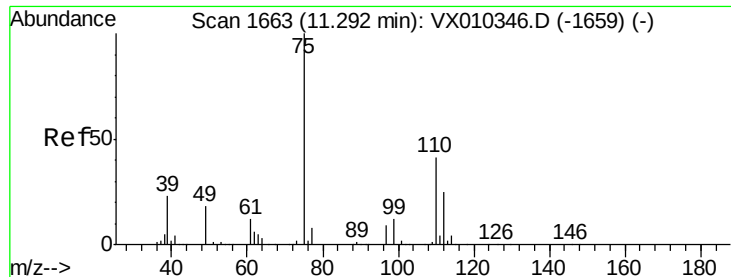


#73

Isopropylbenzene
Concen: 0.956 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX010493.D
Acq: 27 Jun 2019 16:53

Tgt Ion:105 Resp: 10795
Ion Ratio Lower Upper
105 100
120 25.3 14.1 42.4

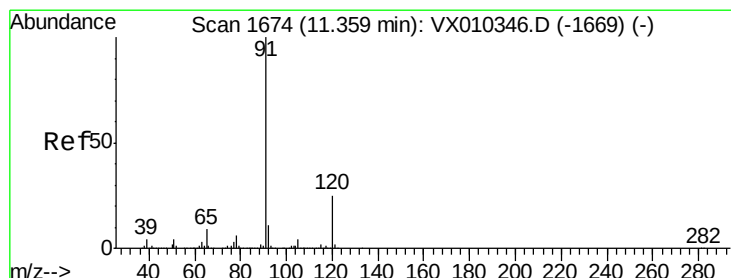
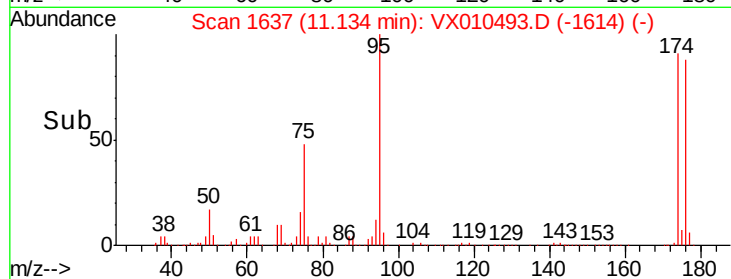
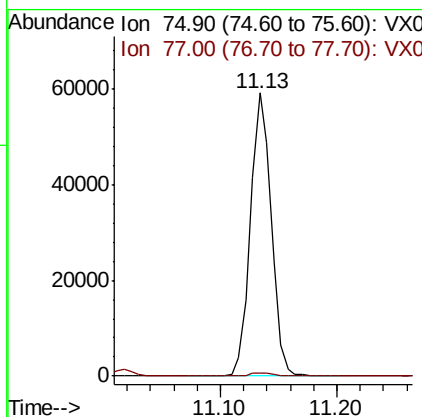
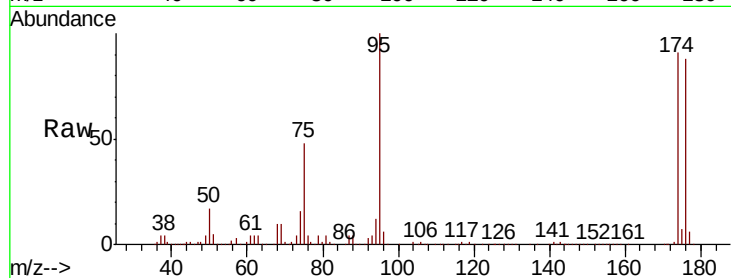




#76
 1,2,3-Trichloropropane
 Concen: 24.456 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010493.D
 Acq: 27 Jun 2019 16:53

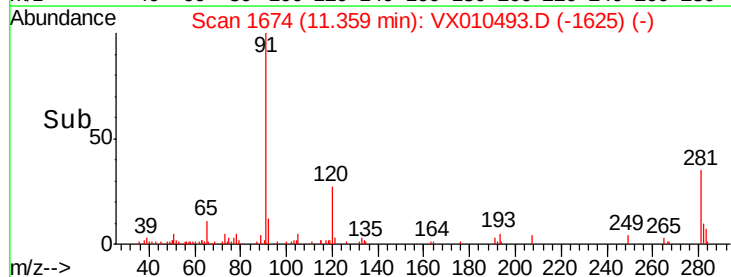
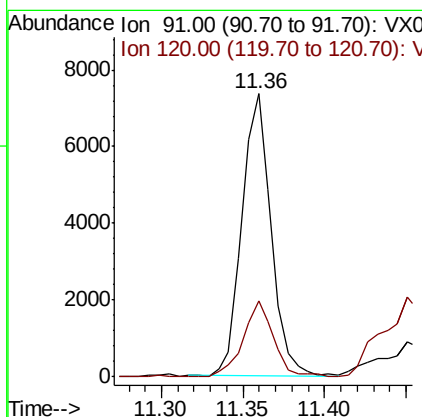
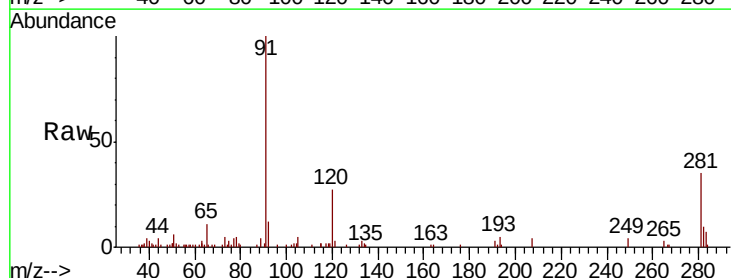
Instrument :
 MSVOA_X
 ClientSampleId :

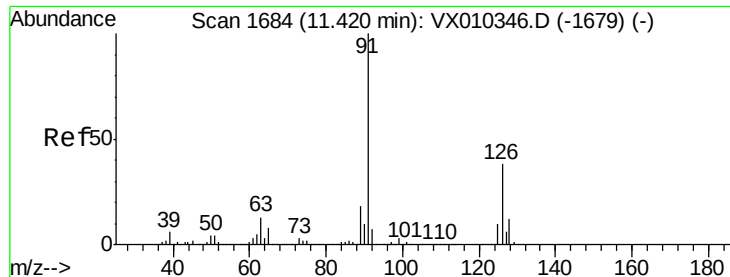
Tot Ion: 75 Resp: 74213
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.6 67.8#



#78
 n-propylbenzene
 Concen: 0.735 ug/l
 RT: 11.36 min Scan# 1674
 Delta R.T. 0.00 min
 Lab File: VX010493.D
 Acq: 27 Jun 2019 16:53

Tgt Ion: 91 Resp: 9115
 Ion Ratio Lower Upper
 91 100
 120 28.3 12.4 37.4





#79

2-Chlorotoluene

Concen: 0.227 ug/l

RT: 11.45 min Scan# 1689

Delta R.T. 0.03 min

Lab File: VX010493.D

Acq: 27 Jun 2019 16:53

Instrument :

MSVOA_X

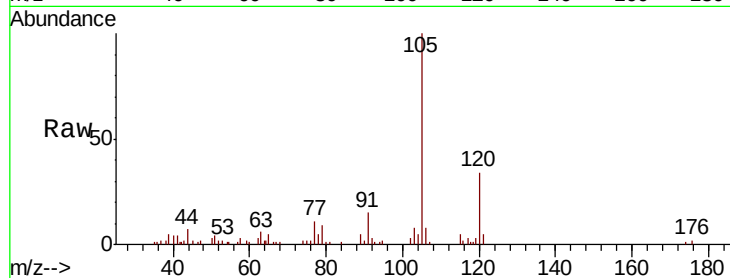
ClientSampleId :

Tot Ion: 91 Resp: 1676

Ion Ratio Lower Upper

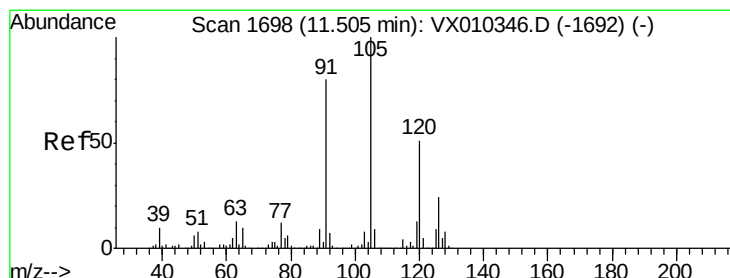
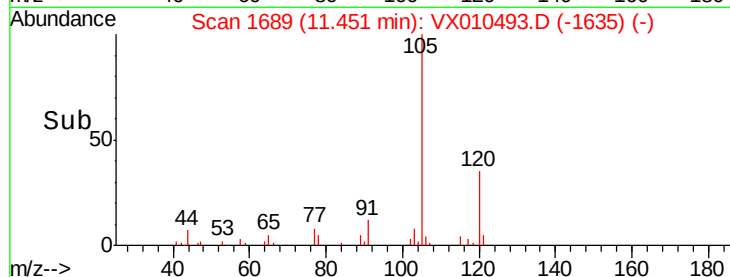
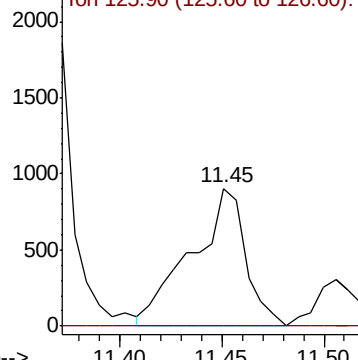
91 100

126 0.0 18.7 56.1#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 0.280 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010493.D

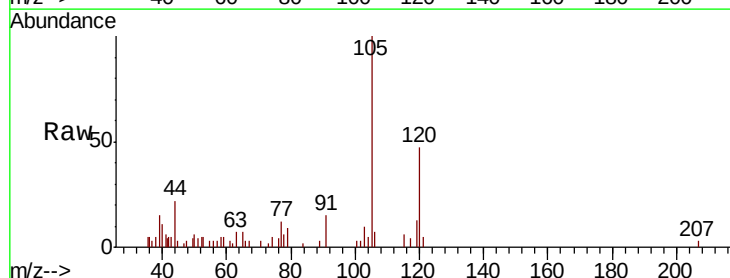
Acq: 27 Jun 2019 16:53

Tgt Ion:105 Resp: 2606

Ion Ratio Lower Upper

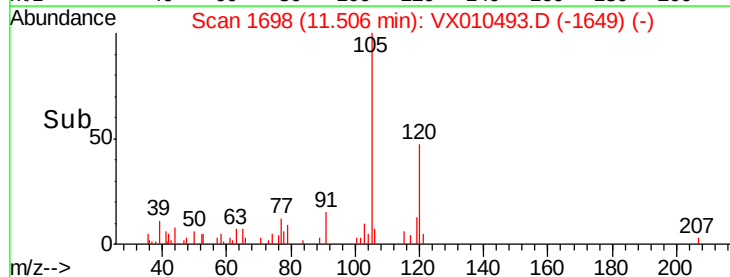
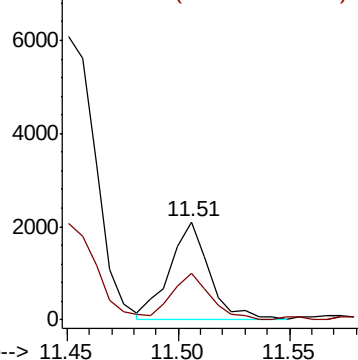
105 100

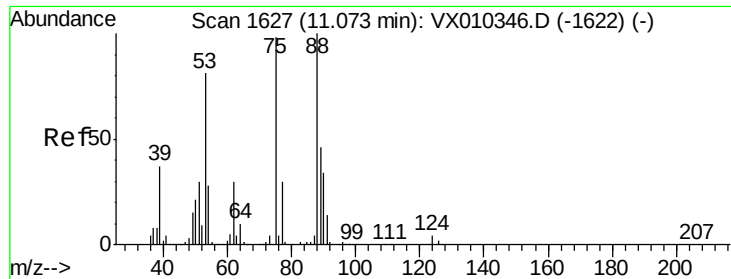
120 45.6 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 57.053 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010493.D

Acq: 27 Jun 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

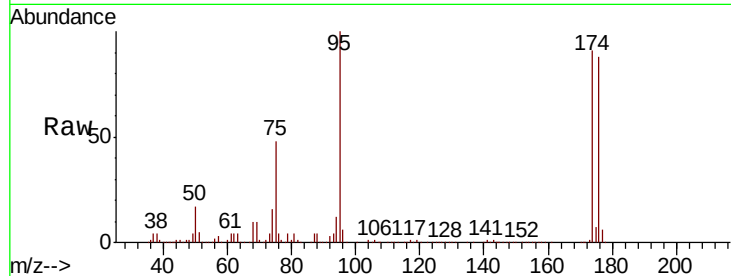
Tot Ion: 75 Resp: 74213

Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

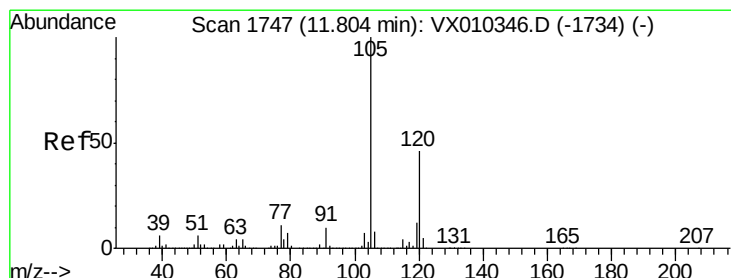
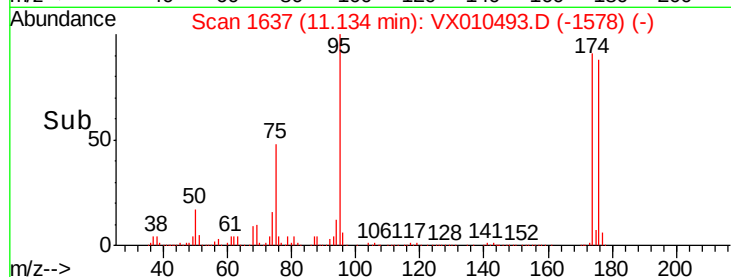
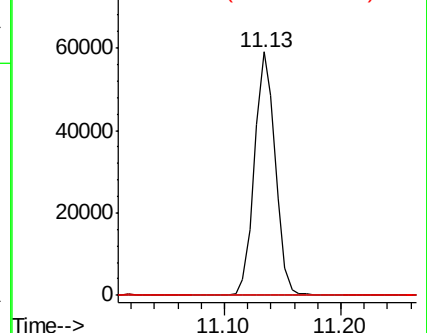
89 0.1 37.8 56.6#



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



#84

1,2,4-Trimethylbenzene

Concen: 4.027 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010493.D

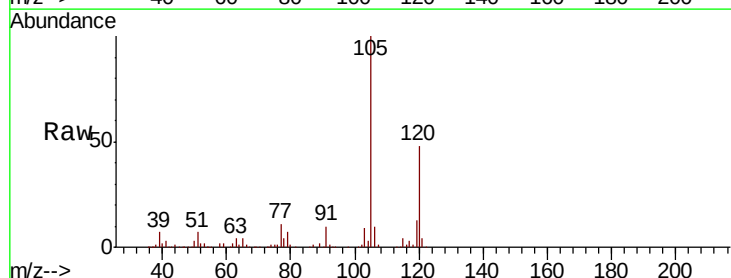
Acq: 27 Jun 2019 16:53

Tgt Ion: 105 Resp: 37654

Ion Ratio Lower Upper

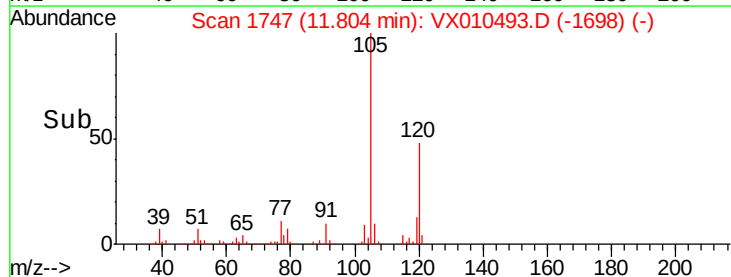
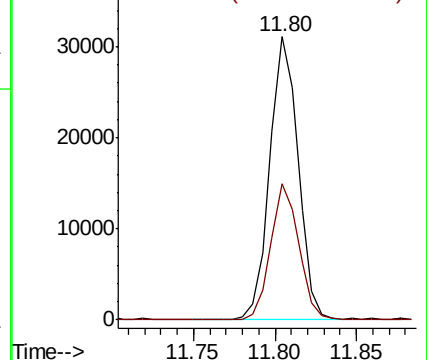
105 100

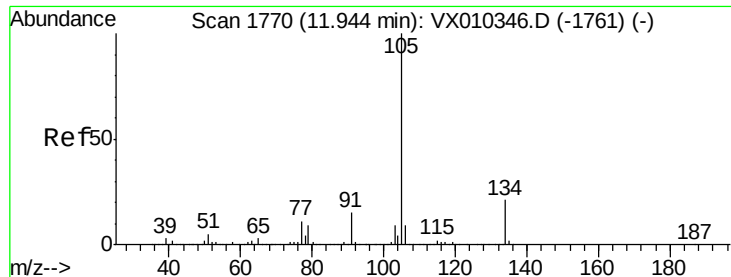
120 47.6 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.250 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010493.D

Acq: 27 Jun 2019 16:53

Instrument :

MSVOA_X

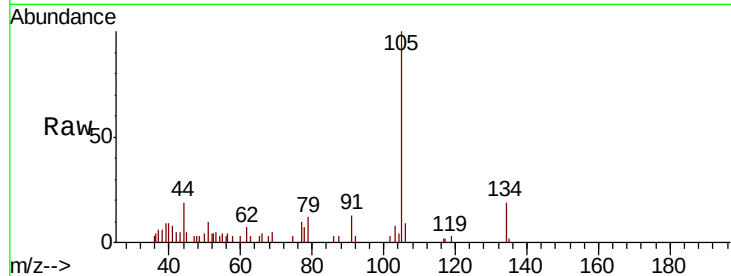
ClientSampleId :

Tot Ion:105 Resp: 2742

Ion Ratio Lower Upper

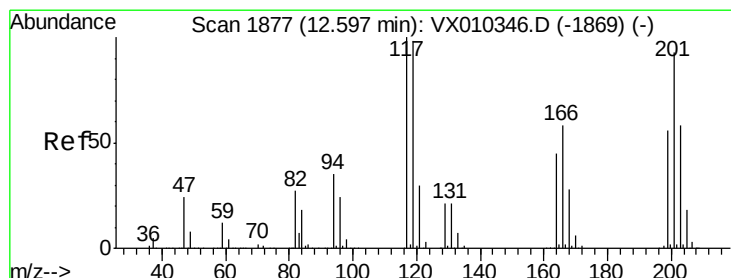
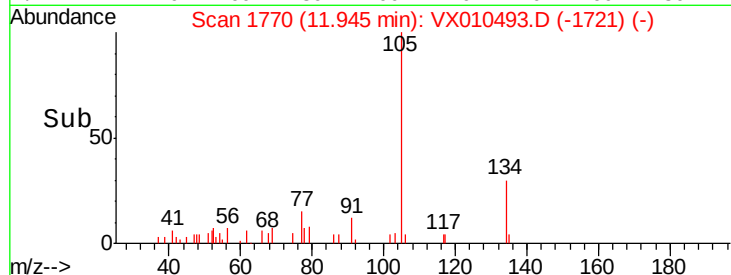
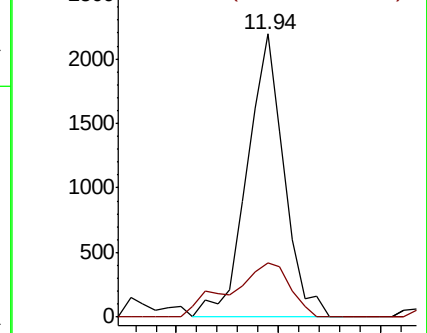
105 100

134 31.0 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 0.223 ug/l

RT: 12.58 min Scan# 1875

Delta R.T. -0.01 min

Lab File: VX010493.D

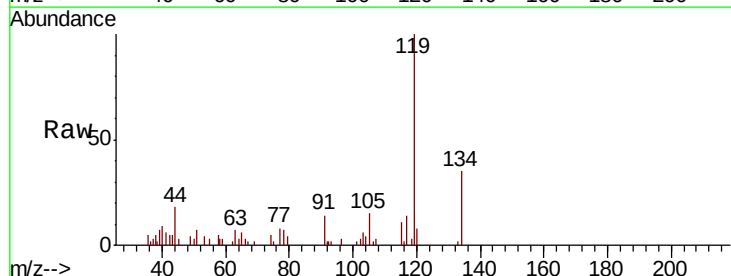
Acq: 27 Jun 2019 16:53

Tgt Ion:117 Resp: 392

Ion Ratio Lower Upper

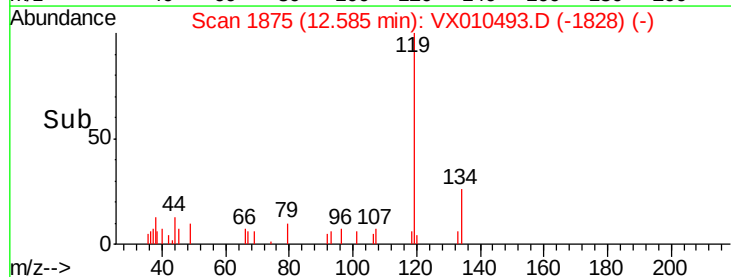
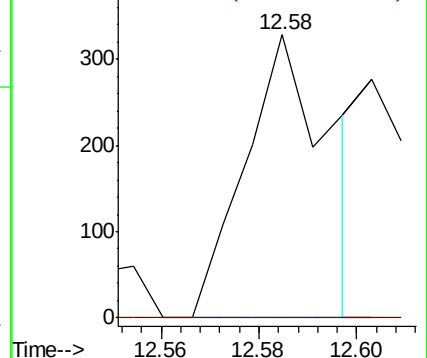
117 100

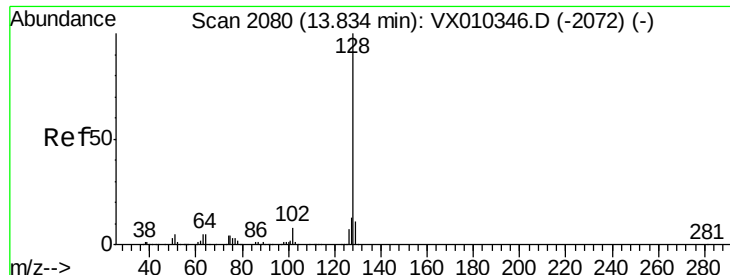
201 0.0 44.0 131.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

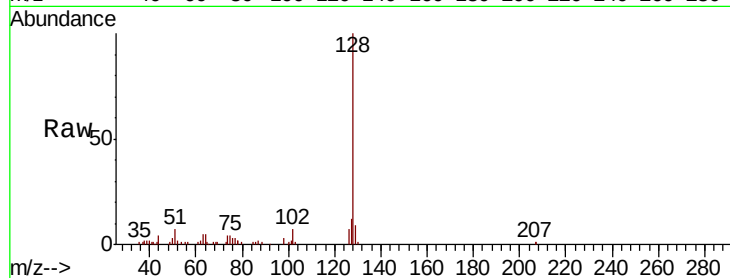




#95
Naphthalene
Concen: 1.309 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010493.D
Acq: 27 Jun 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.4
129	12.6	8.9	13.3



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

