

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100418\
 Data File : VX005012.D
 Acq On : 04 Oct 2018 11:21
 Operator : JC/MD
 Sample : PB113446ZHE#04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 04 14:35:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	252871	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	411568	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	396823	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	217732	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	189148	52.36	ug/l	0.00
Spiked Amount			Recovery	=	104.72%	
35) Dibromofluoromethane	5.50	113	161087	46.18	ug/l	0.00
Spiked Amount			Recovery	=	92.36%	
50) Toluene-d8	8.71	98	583550	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	
62) 4-Bromofluorobenzene	11.14	95	211302	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	

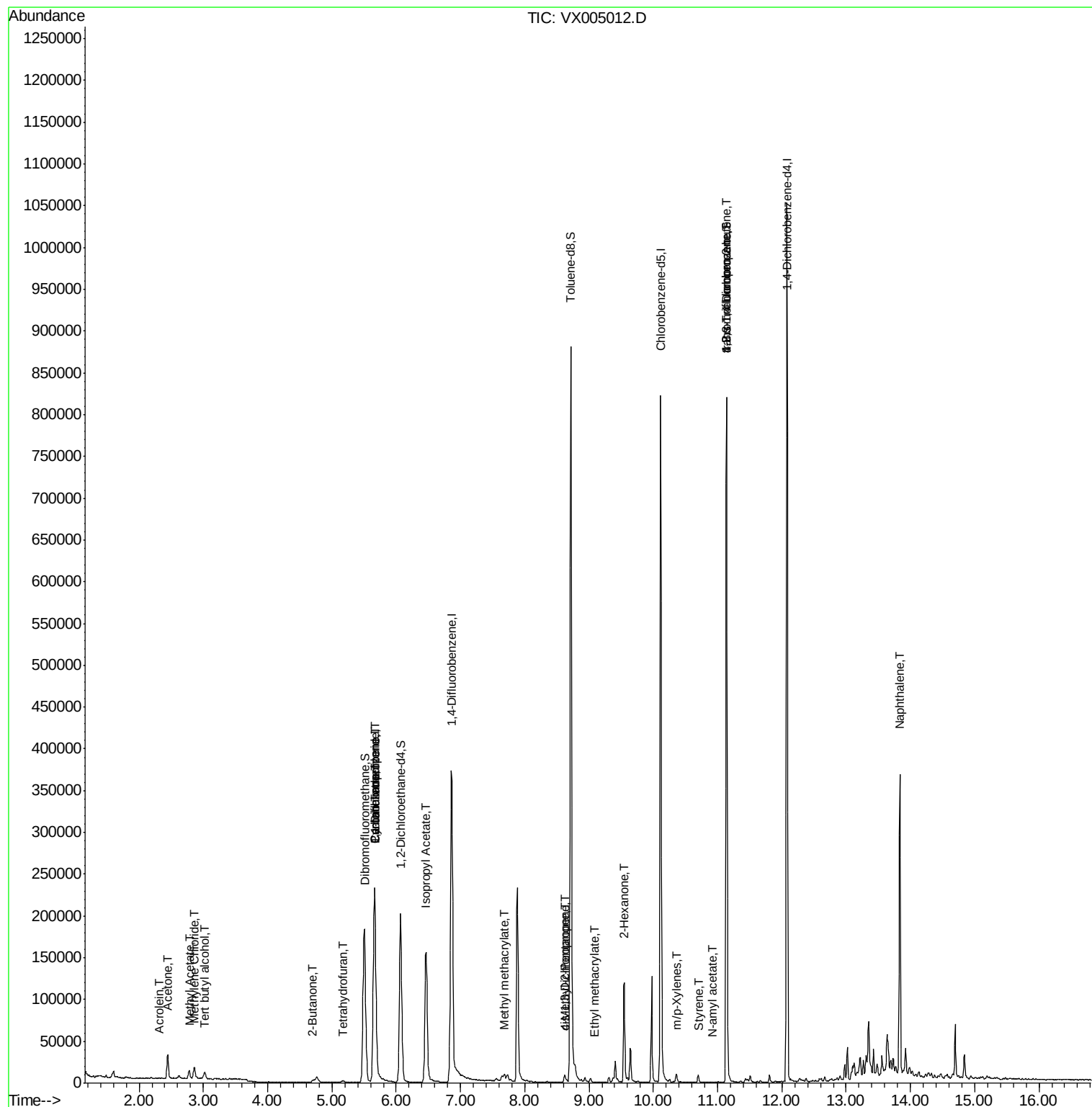
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.71	64	44	Below Cal	#	45
11) Tert butyl alcohol	3.03	59	5070	5.020	ug/l #	81
13) Acrolein	2.31	56	184	0.256	ug/l #	16
16) Acetone	2.45	43	30226	14.333	ug/l	90
18) Methyl Acetate	2.78	43	11973	2.241	ug/l	97
20) Methylene Chloride	2.86	84	6083	1.164	ug/l	90
25) 2-Butanone	4.69	43	2087	0.671	ug/l #	79
29) Tetrahydrofuran	5.17	42	2248	1.163	ug/l	90
31) Cyclohexane	5.67	56	4546	0.989	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	17109	3.595	ug/l #	46
38) Carbon Tetrachloride	5.67	117	21801	4.358	ug/l #	17
43) Isopropyl Acetate	6.46	43	226670	24.860	ug/l	98
48) Methyl methacrylate	7.68	41	8650	2.090	ug/l #	22
51) 4-Methyl-2-Pentanone	8.62	43	2821	0.491	ug/l #	37
54) cis-1,3-Dichloropropene	8.62	75	1501	0.295	ug/l #	59
56) Ethyl methacrylate	9.07	69	101	2.878	ug/l #	22
59) 2-Hexanone	9.55	43	14812	3.096	ug/l #	55
68) m/p-Xylenes	10.36	106	2508	0.397	ug/l	92
70) Styrene	10.70	104	293	2.166	ug/l #	26
74) N-amyl acetate	10.91	43	59	1.755	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	101810	20.862	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.14	75	101810	56.624	ug/l #	10
95) Naphthalene	13.83	128	217065	12.532	ug/l	100

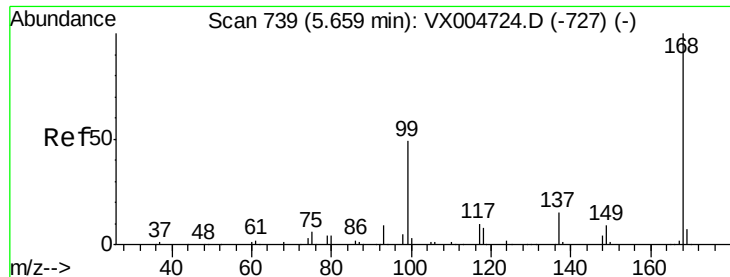
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100418\
Data File : VX005012.D
Acq On : 04 Oct 2018 11:21
Operator : JC/MD
Sample : PB113446ZHE#04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Oct 04 14:35:50 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005012.D

Acq: 04 Oct 2018 11:21

Instrument :

MSVOA_X

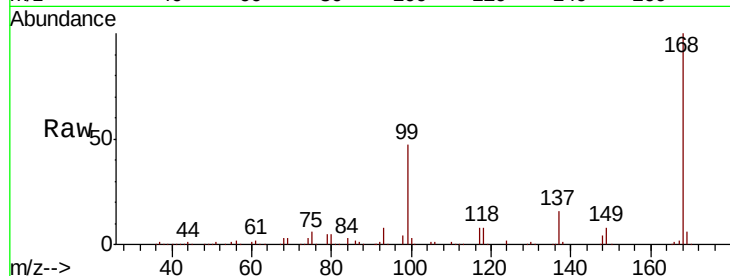
ClientSampleId :

Tot Ion:168 Resp: 252871

Ion Ratio Lower Upper

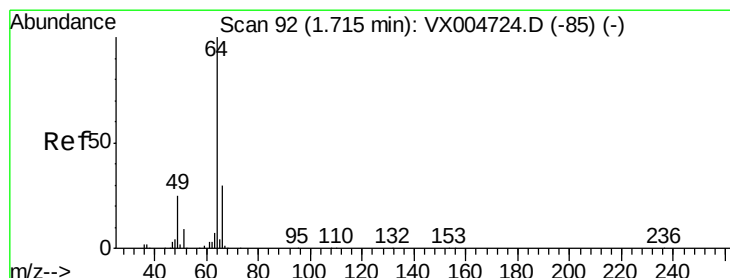
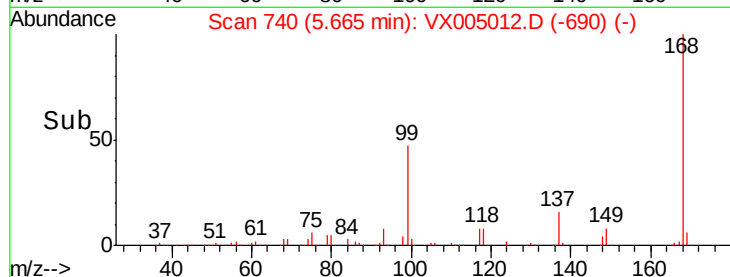
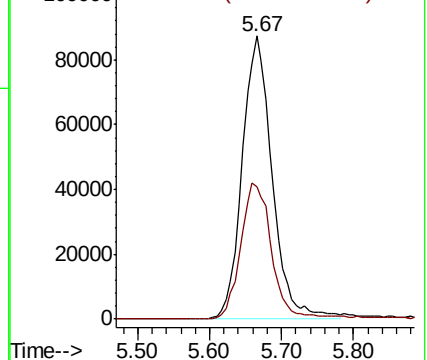
168 100

99 46.9 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX005012.D

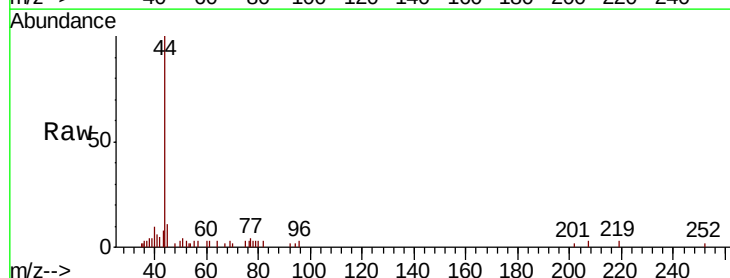
Acq: 04 Oct 2018 11:21

Tgt Ion: 64 Resp: 44

Ion Ratio Lower Upper

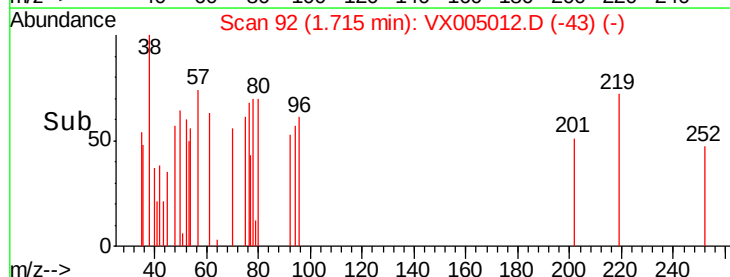
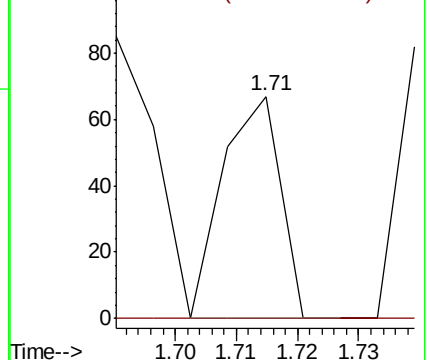
64 100

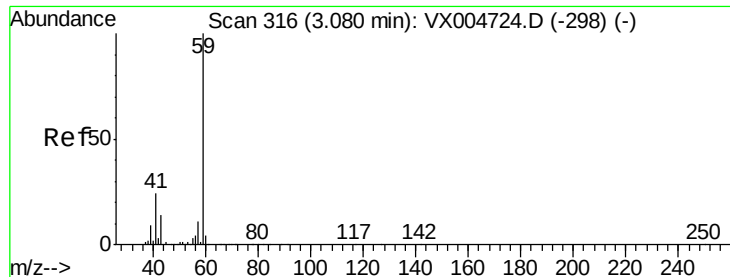
66 0.0 23.8 35.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



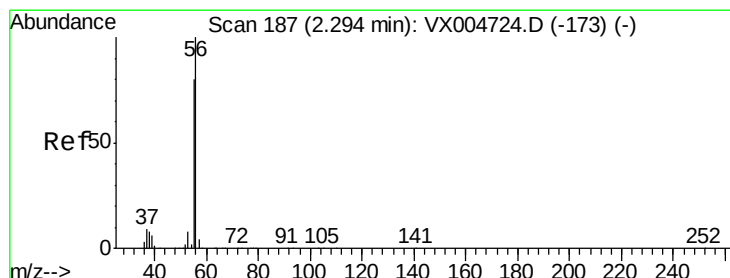
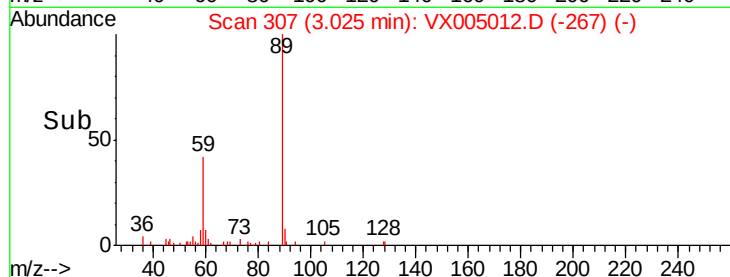
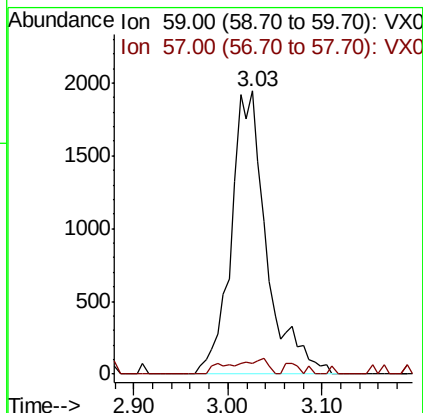
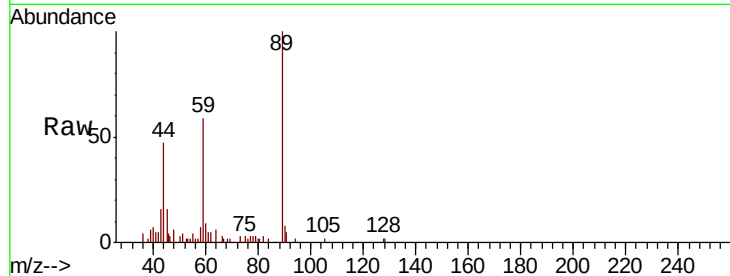


#11

Tert butyl alcohol
Concen: 5.020 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX005012.D
Acq: 04 Oct 2018 11:21

Instrument :
MSVOA_X
ClientSampleId :

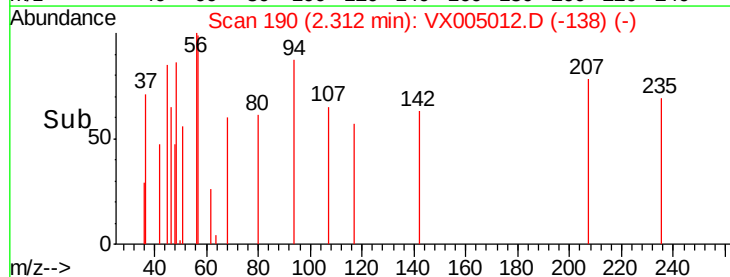
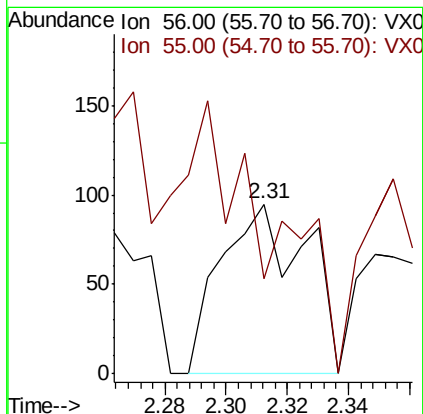
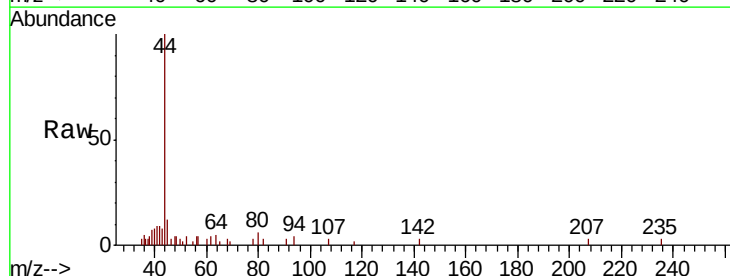
Tot Ion: 59 Resp: 5070
Ion Ratio Lower Upper
59 100
57 3.6 8.6 12.8#

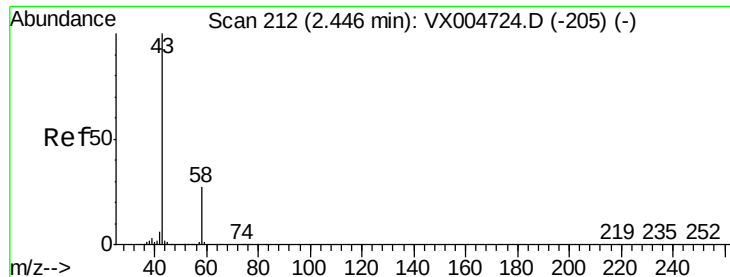


#13

Acrolein
Concen: 0.256 ug/l
RT: 2.31 min Scan# 190
Delta R.T. 0.02 min
Lab File: VX005012.D
Acq: 04 Oct 2018 11:21

Tgt Ion: 56 Resp: 184
Ion Ratio Lower Upper
56 100
55 153.3 63.4 95.2#





#16

Acetone

Concen: 14.333 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005012.D

Acq: 04 Oct 2018 11:21

Instrument :

MSVOA_X

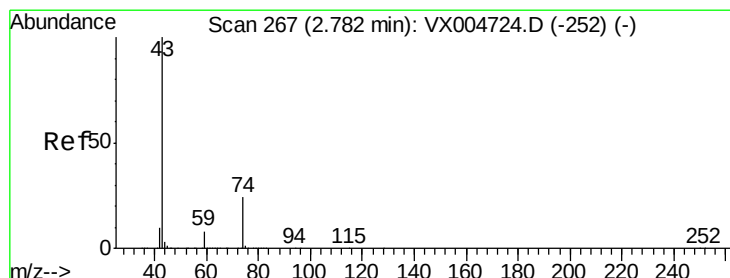
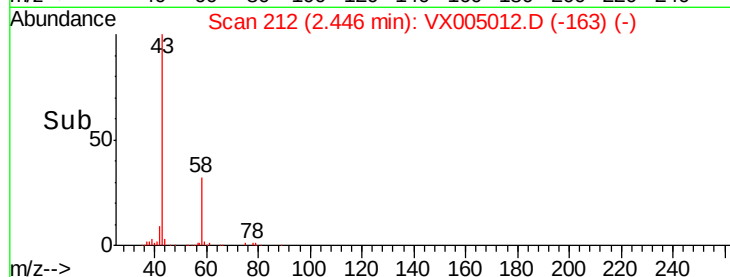
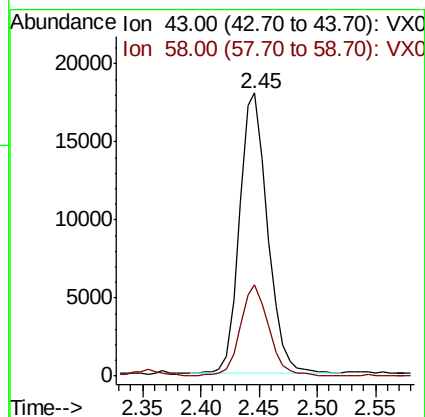
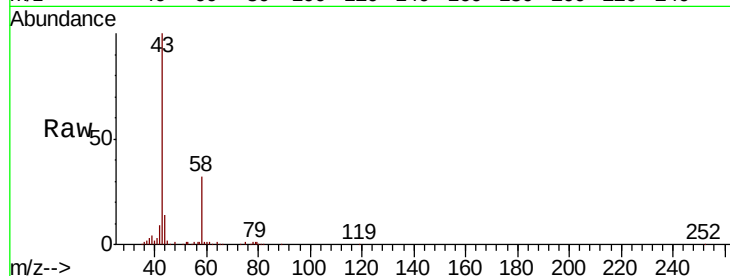
ClientSampled :

Tot Ion: 43 Resp: 30226

Ion Ratio Lower Upper

43 100

58 32.3 21.8 32.6



#18

Methyl Acetate

Concen: 2.241 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005012.D

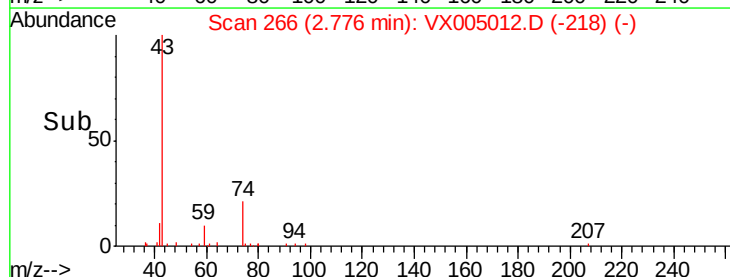
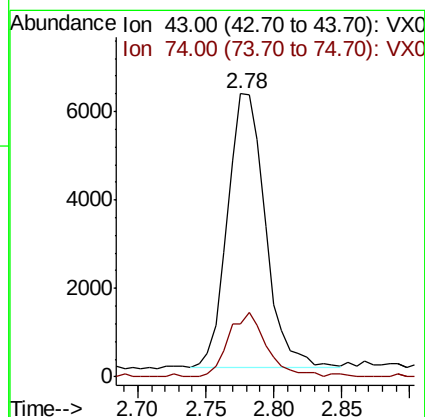
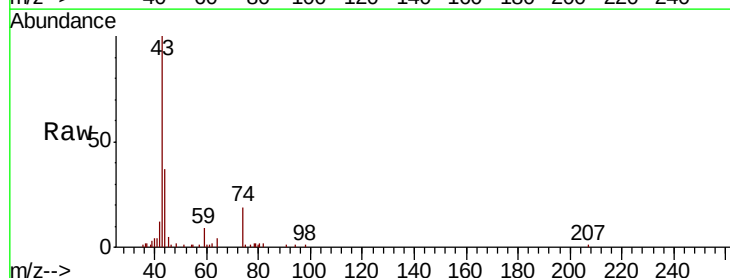
Acq: 04 Oct 2018 11:21

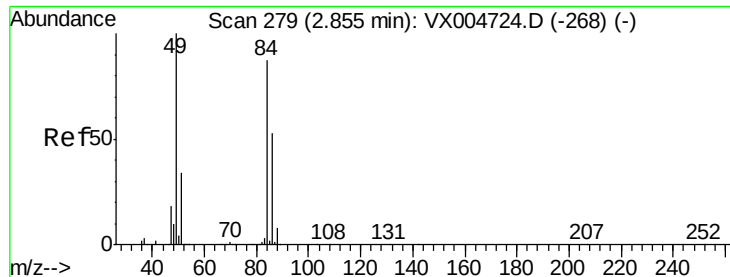
Tgt Ion: 43 Resp: 11973

Ion Ratio Lower Upper

43 100

74 23.7 17.8 26.8

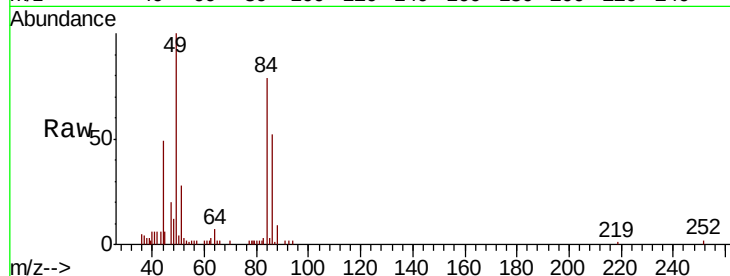




#20
Methylene Chloride
Concen: 1.164 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005012.D
Acq: 04 Oct 2018 11:21

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	84	Resp:	6083
Ion	Ratio	Lower	Upper
84	100		
49	127.1	92.3	138.5
51	33.2	31.8	47.6
86	66.5	48.5	72.7



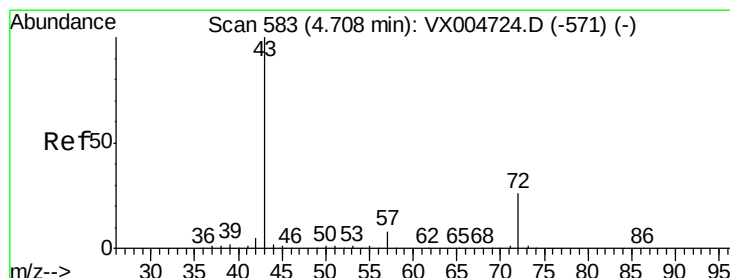
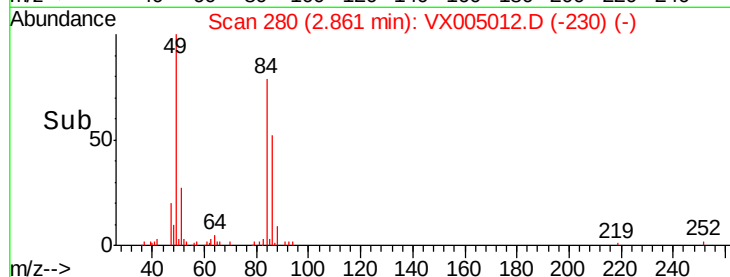
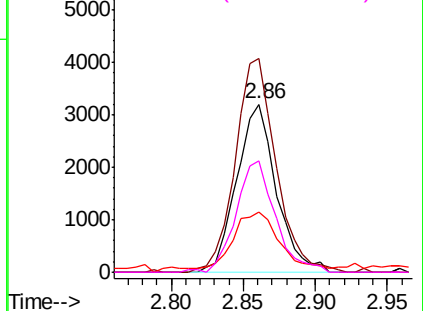
Abundance

Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

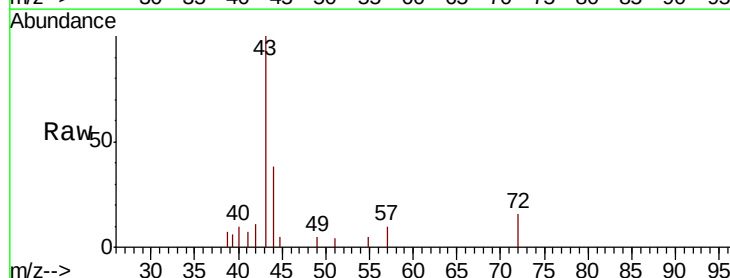
Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25
2-Butanone
Concen: 0.671 ug/l
RT: 4.69 min Scan# 580
Delta R.T. -0.02 min
Lab File: VX005012.D
Acq: 04 Oct 2018 11:21

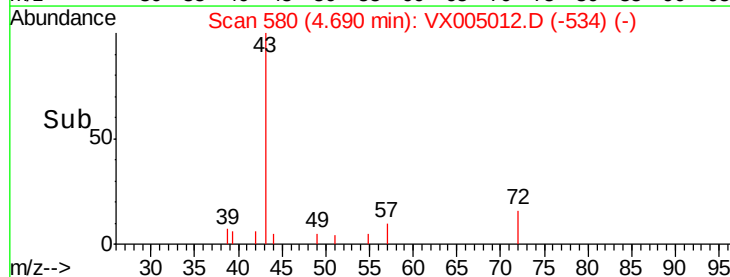
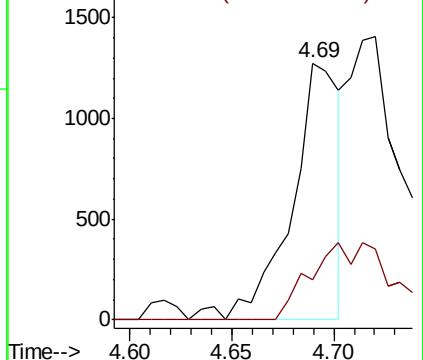
Tgt Ion:	43	Resp:	2087
Ion	Ratio	Lower	Upper
43	100		
72	15.5	20.8	31.2#

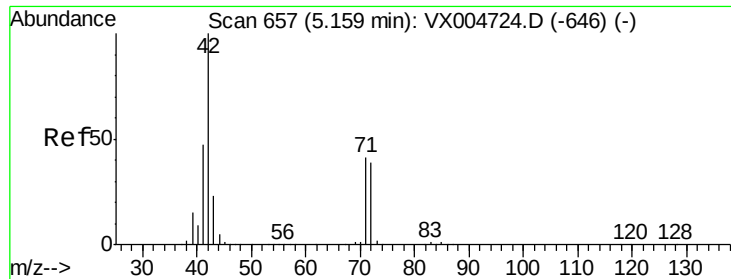


Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 1.163 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX005012.D

Acq: 04 Oct 2018 11:21

Instrument :

MSVOA_X

ClientSampled :

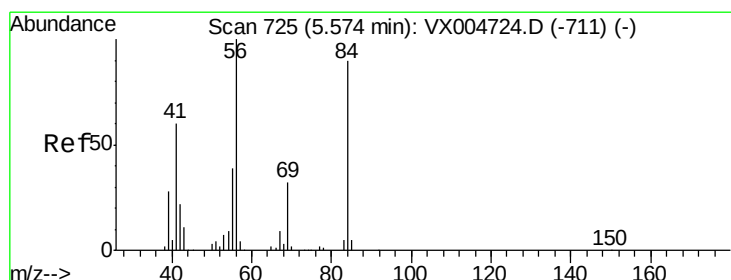
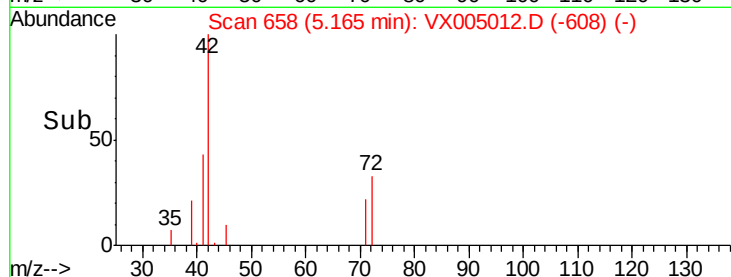
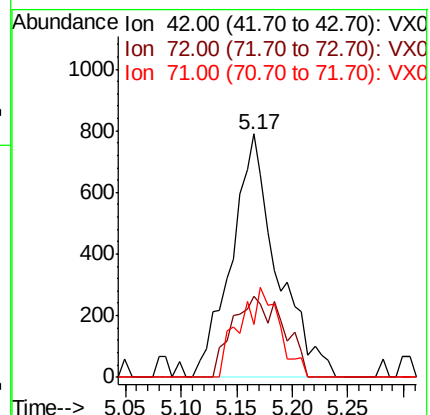
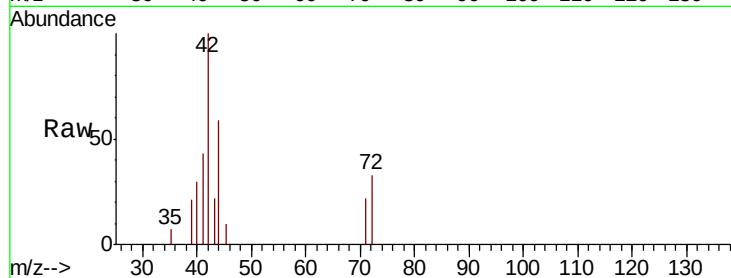
Tot Ion: 42 Resp: 2248

Ion Ratio Lower Upper

42 100

72 37.4 33.7 50.5

71 32.3 32.2 48.4



#31

Cyclohexane

Concen: 0.989 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX005012.D

Acq: 04 Oct 2018 11:21

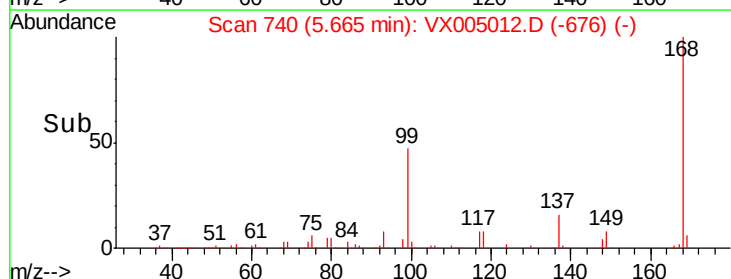
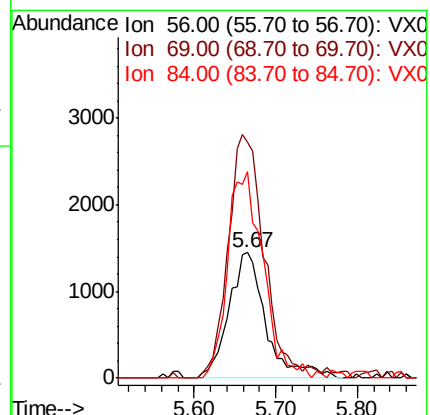
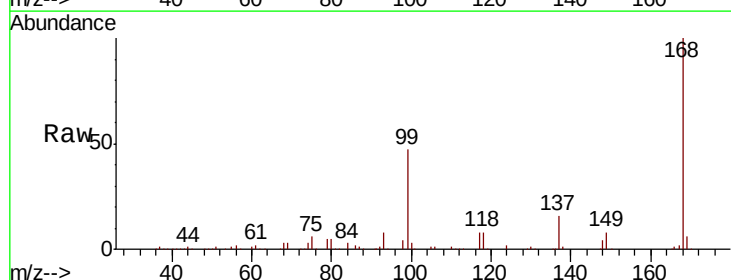
Tgt Ion: 56 Resp: 4546

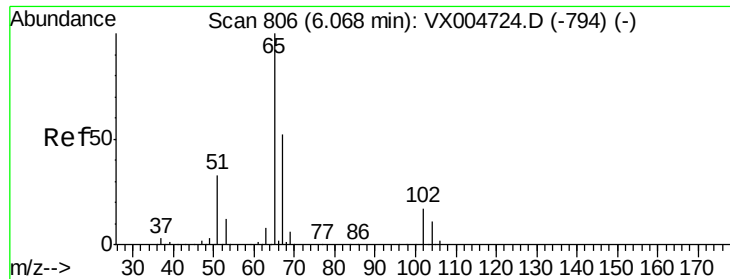
Ion Ratio Lower Upper

56 100

69 187.7 25.9 38.9#

84 164.9 71.9 107.9#

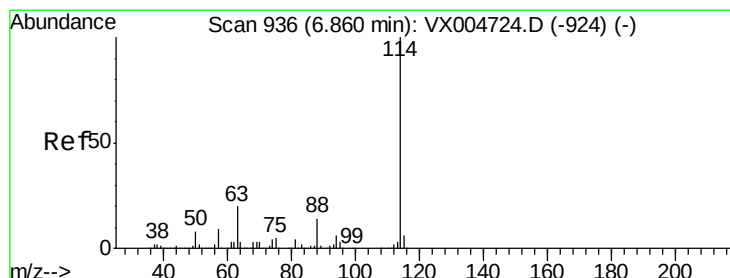
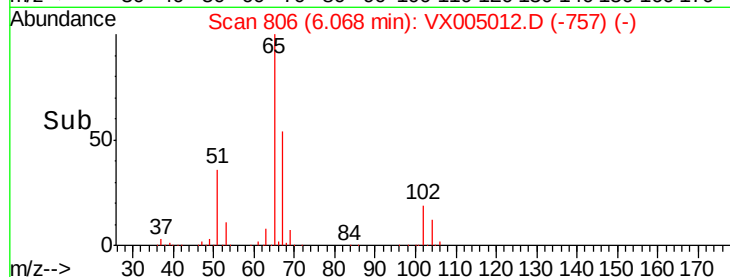
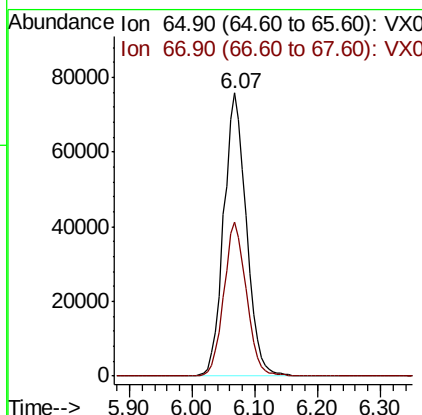
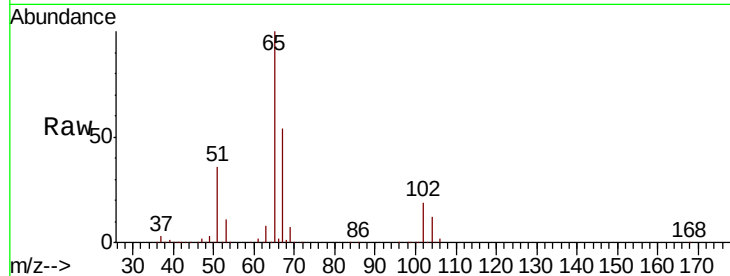




#33
 1,2-Dichloroethane-d4
 Concen: 52.363 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX005012.D
 Acq: 04 Oct 2018 11:21

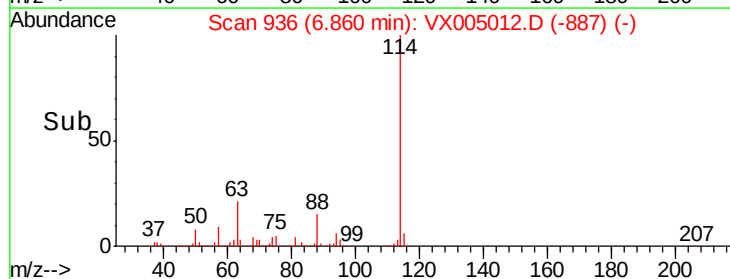
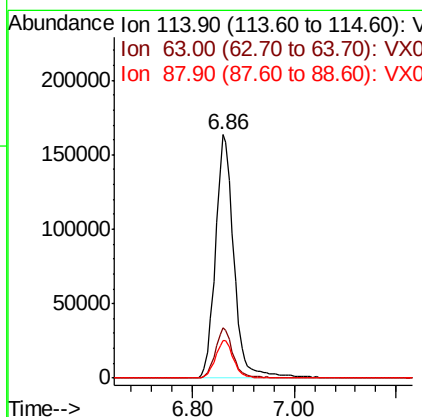
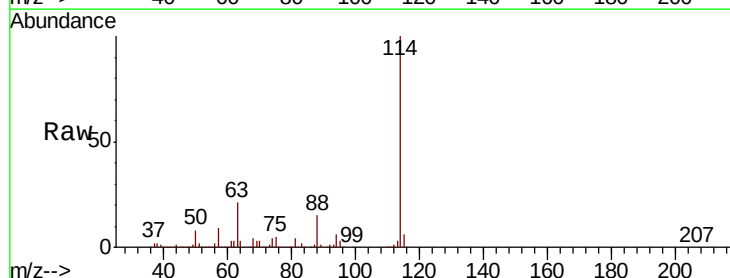
Instrument :
 MSVOA_X
 ClientSampleId :

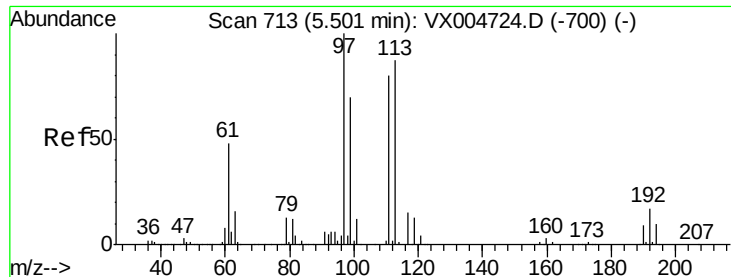
Tot Ion: 65 Resp: 189148
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX005012.D
 Acq: 04 Oct 2018 11:21

Tgt Ion: 114 Resp: 411568
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 39.8
 88 15.5 0.0 27.0

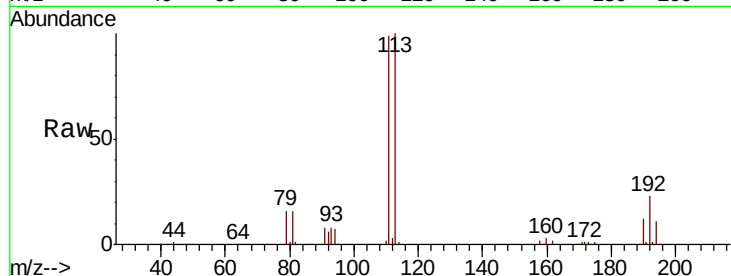




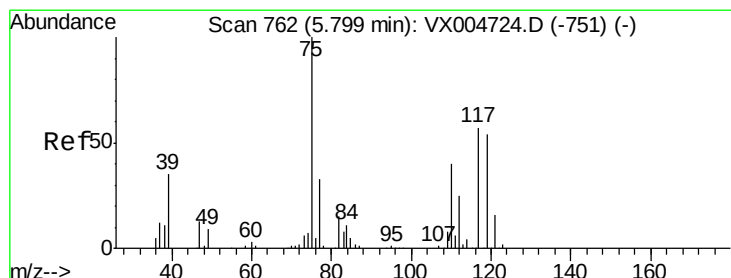
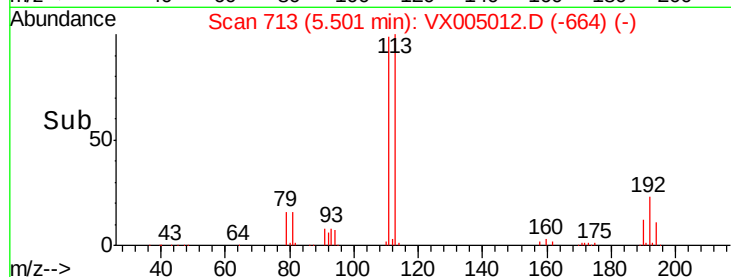
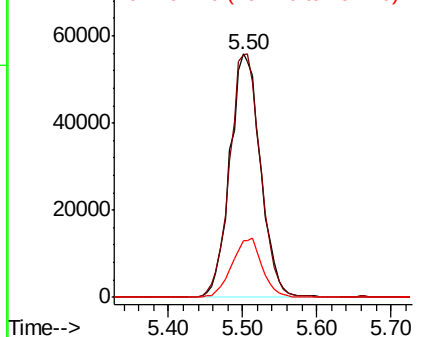
#35
 Dibromofluoromethane
 Concen: 46.182 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX005012.D
 Acq: 04 Oct 2018 11:21

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:113 Resp: 161087
 Ion Ratio Lower Upper
 113 100
 111 100.8 77.0 115.4
 192 24.0 17.0 25.6

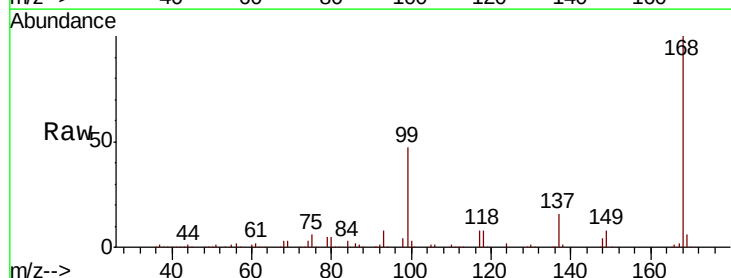


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

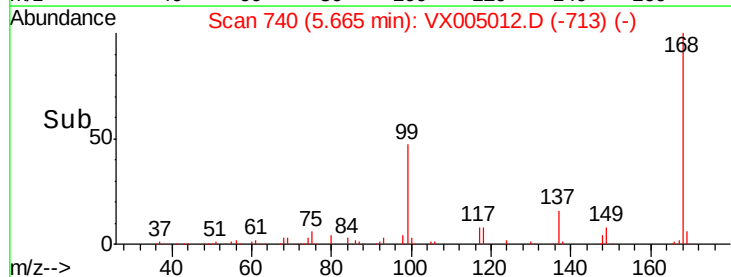
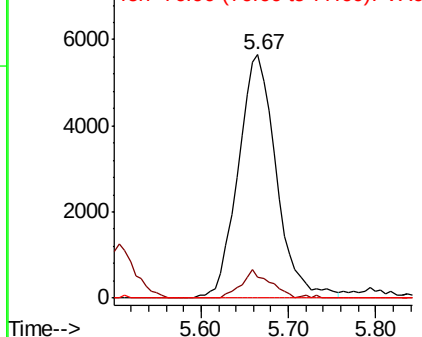


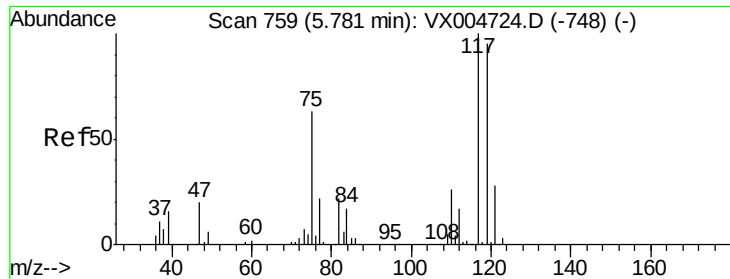
#36
 1,1-Dichloropropene
 Concen: 3.595 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005012.D
 Acq: 04 Oct 2018 11:21

Tgt Ion: 75 Resp: 17109
 Ion Ratio Lower Upper
 75 100
 110 8.8 20.0 59.9#
 77 0.0 27.1 40.7#



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: 4.358 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005012.D

Acq: 04 Oct 2018 11:21

Instrument :

MSVOA_X

ClientSampled :

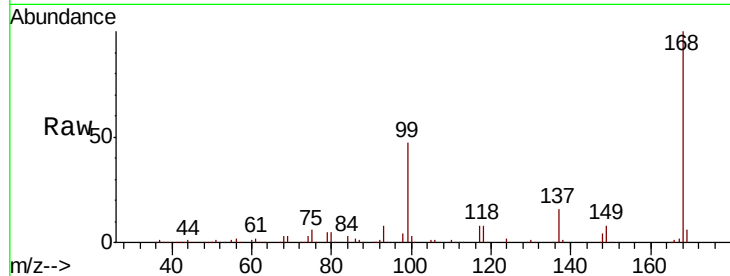
Tot Ion:117 Resp: 21801

Ion Ratio Lower Upper

117 100

119 4.8 75.2 112.8#

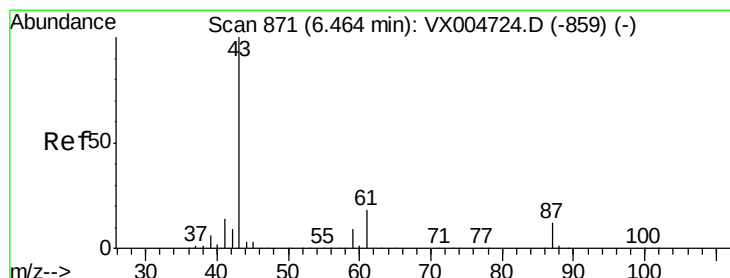
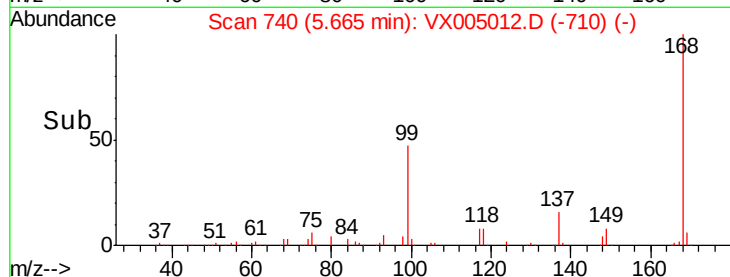
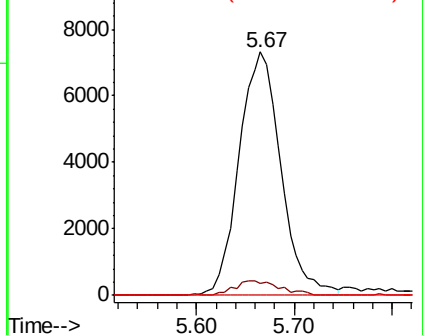
121 0.0 22.5 33.7#



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



#43

Isopropyl Acetate

Concen: 24.860 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX005012.D

Acq: 04 Oct 2018 11:21

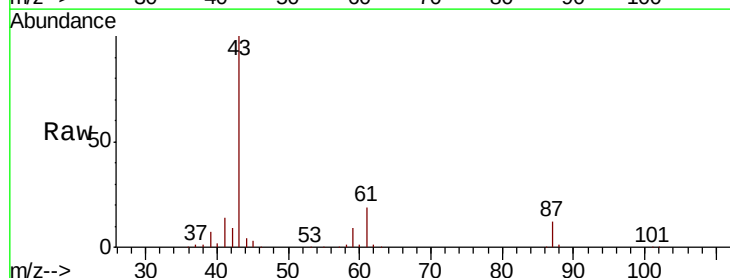
Tgt Ion: 43 Resp: 226670

Ion Ratio Lower Upper

43 100

61 19.1 14.2 21.4

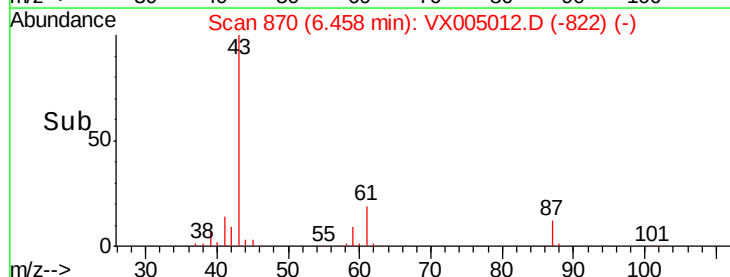
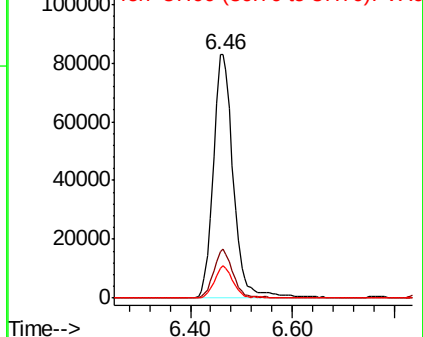
87 12.2 9.3 13.9

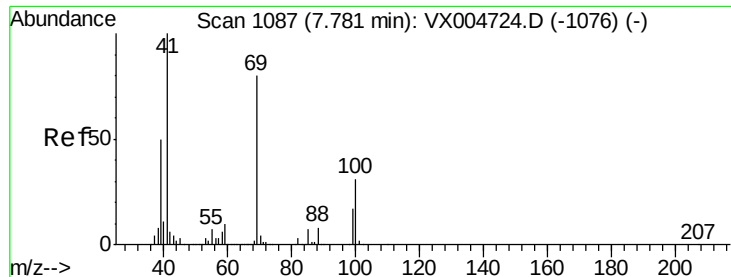


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

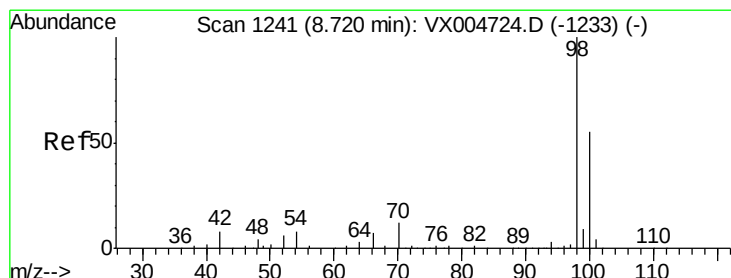
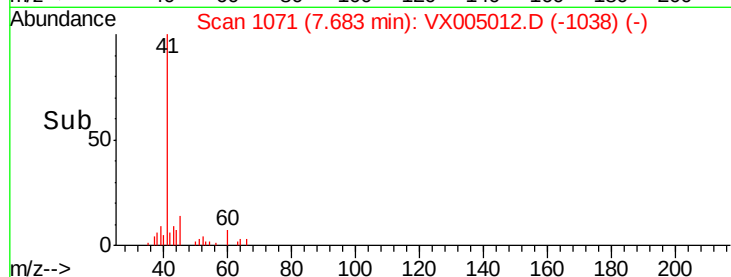
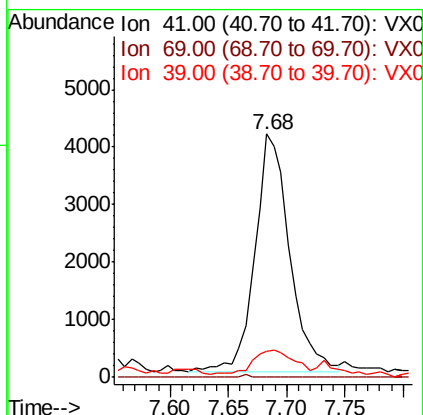
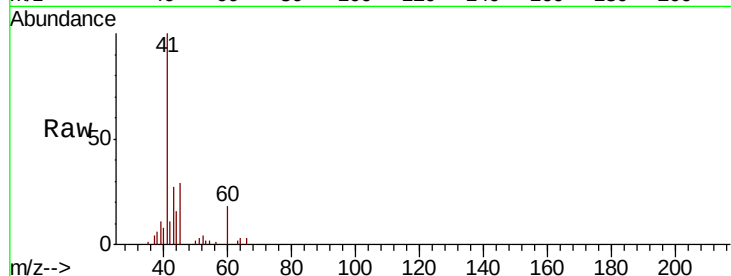




#48
Methyl methacrylate
Concen: 2.090 ug/l
RT: 7.68 min Scan# 1071
Delta R.T. -0.10 min
Lab File: VX005012.D
Acq: 04 Oct 2018 11:21

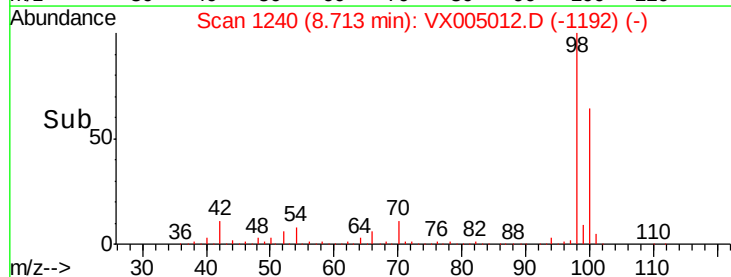
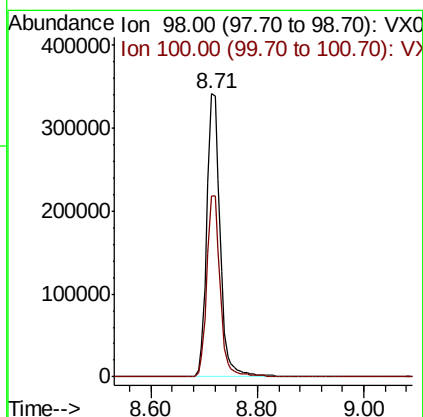
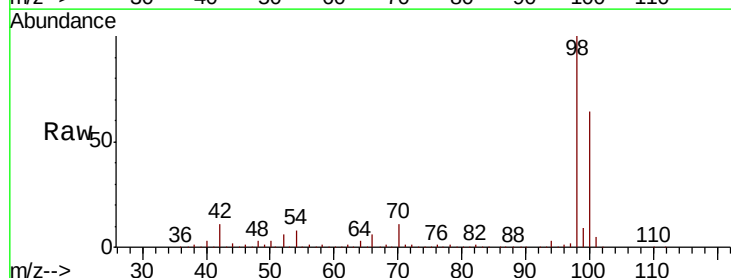
Instrument :
MSVOA_X
ClientSampled :

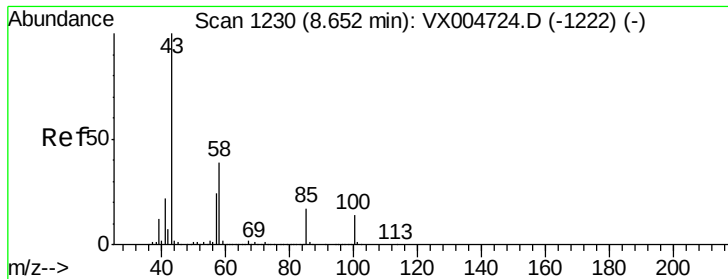
Tot Ion: 41 Resp: 8650
Ion Ratio Lower Upper
41 100
69 0.0 63.8 95.6#
39 11.0 40.7 61.1#



#50
Toluene-d8
Concen: 50.323 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX005012.D
Acq: 04 Oct 2018 11:21

Tgt Ion: 98 Resp: 583550
Ion Ratio Lower Upper
98 100
100 63.8 51.9 77.9

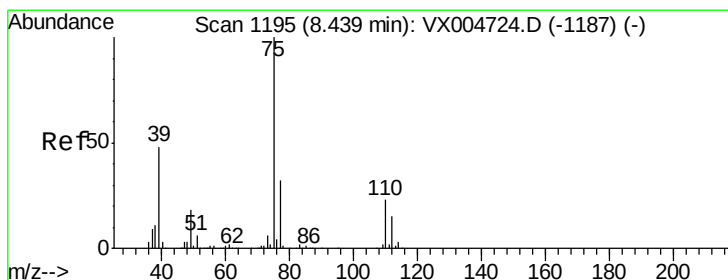
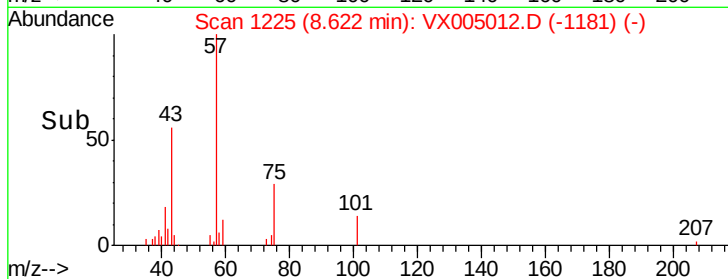
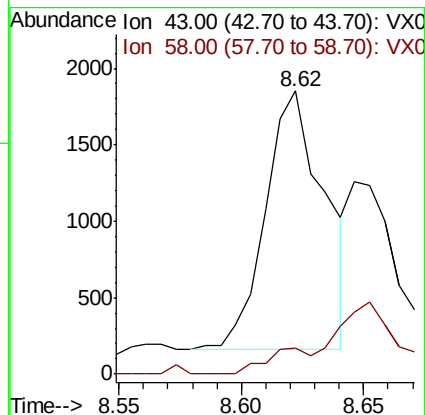
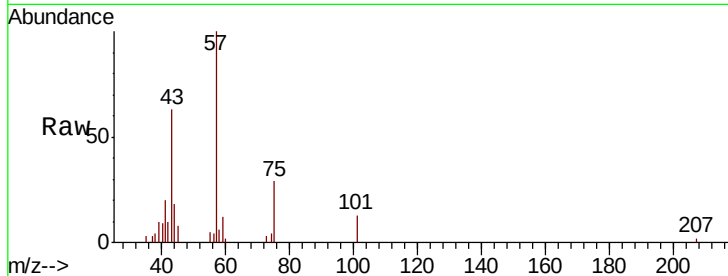




#51
 4-Methyl-2-Pentanone
 Concen: 0.491 ug/l
 RT: 8.62 min Scan# 1225
 Delta R.T. -0.03 min
 Lab File: VX005012.D
 Acq: 04 Oct 2018 11:21

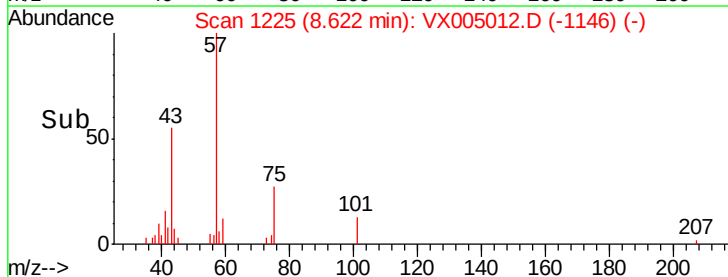
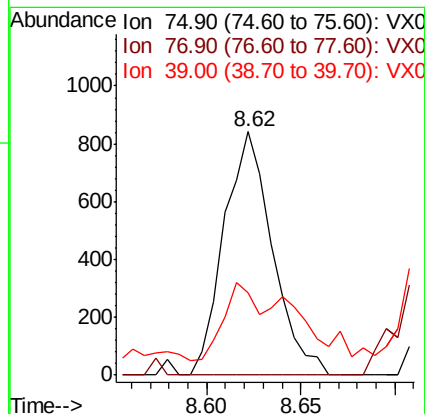
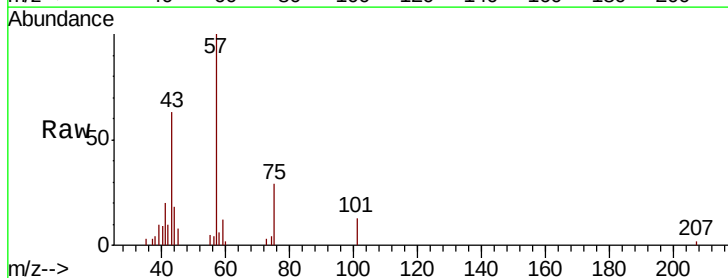
Instrument :
 MSVOA_X
 ClientSampleId :

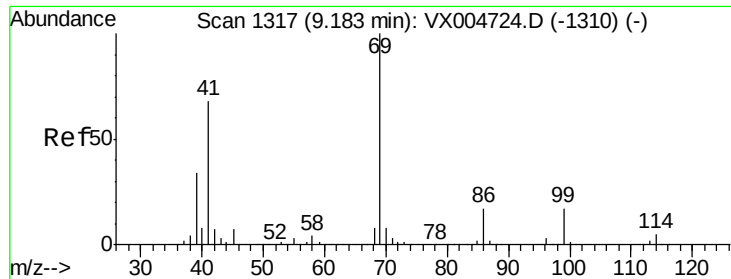
Tot Ion: 43 Resp: 2821
 Ion Ratio Lower Upper
 43 100
 58 0.0 30.5 45.7#



#54
 cis-1,3-Dichloropropene
 Concen: 0.295 ug/l
 RT: 8.62 min Scan# 1225
 Delta R.T. 0.18 min
 Lab File: VX005012.D
 Acq: 04 Oct 2018 11:21

Tgt Ion: 75 Resp: 1501
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#
 39 27.9 38.3 57.5#





#56

Ethyl methacrylate

Concen: 2.878 ug/l

RT: 9.07 min Scan# 1299

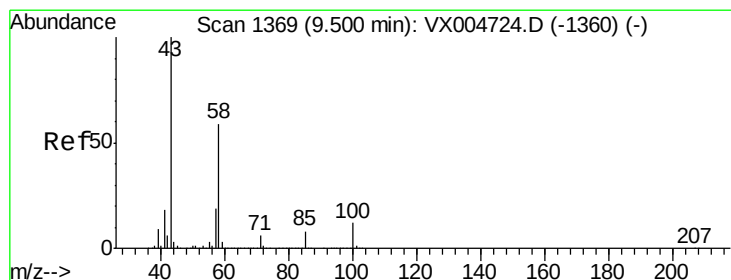
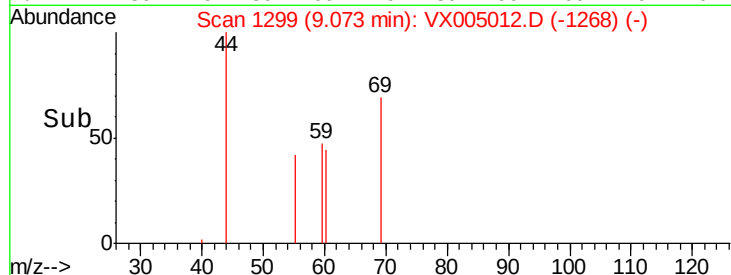
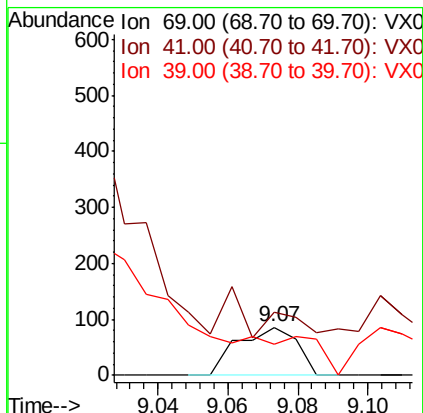
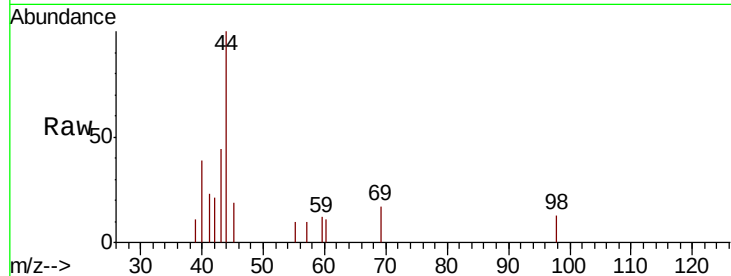
Delta R.T. -0.11 min

Lab File: VX005012.D

Acq: 04 Oct 2018 11:21

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	69	Resp:	101
Ion	Ratio	Lower	Upper
69	100		
41	0.0	56.9	85.3#
39	0.0	28.4	42.6#



#59

2-Hexanone

Concen: 3.096 ug/l

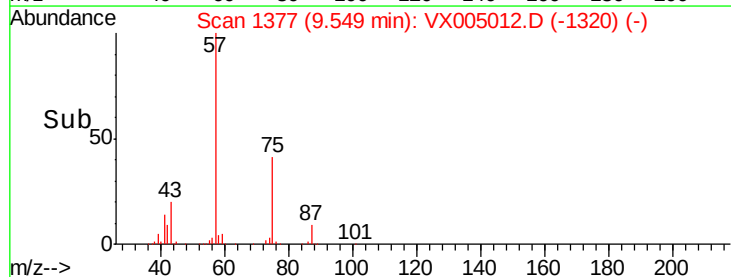
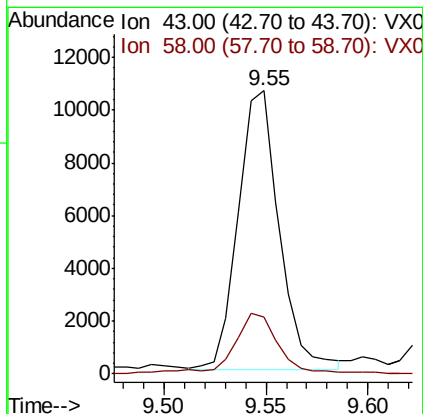
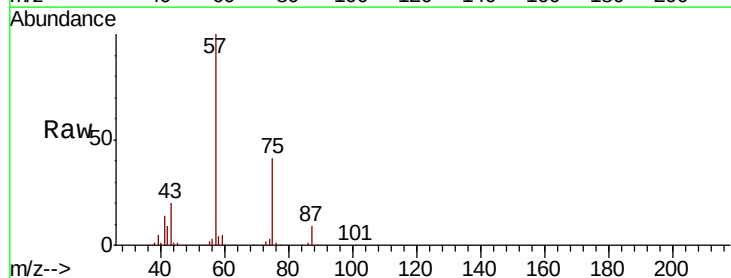
RT: 9.55 min Scan# 1377

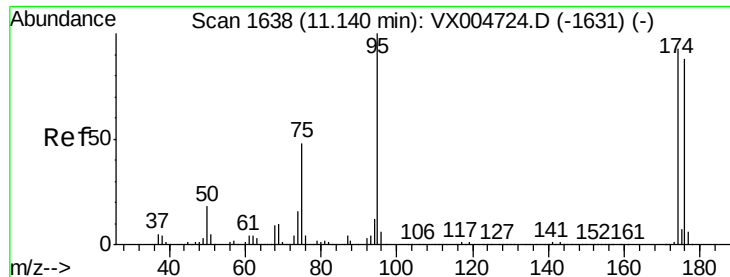
Delta R.T. 0.05 min

Lab File: VX005012.D

Acq: 04 Oct 2018 11:21

Tgt Ion:	43	Resp:	14812
Ion	Ratio	Lower	Upper
43	100		
58	24.1	28.4	85.3#

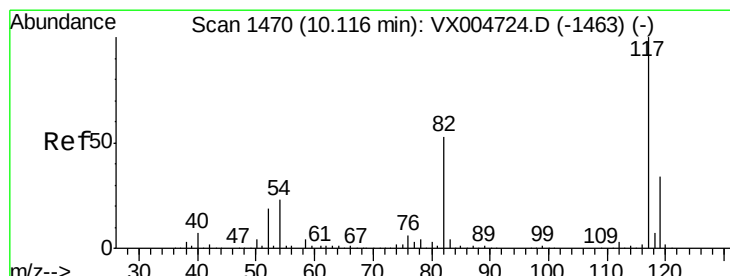
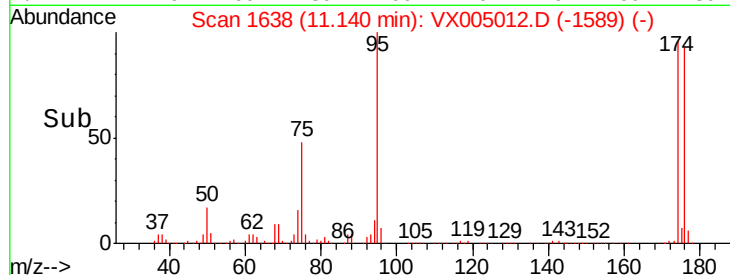
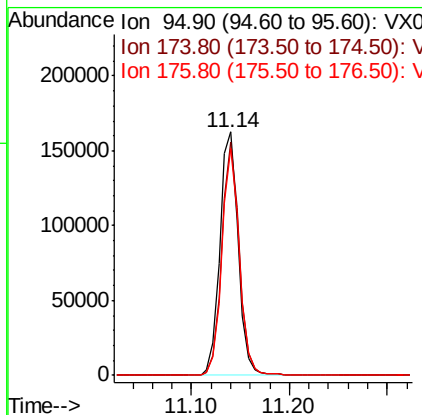
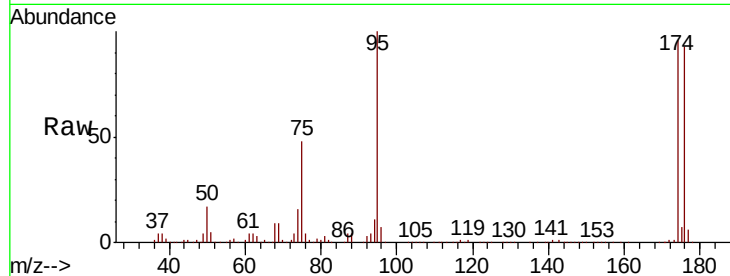




#62
4-Bromofluorobenzene
Concen: 50.580 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005012.D
Acq: 04 Oct 2018 11:21

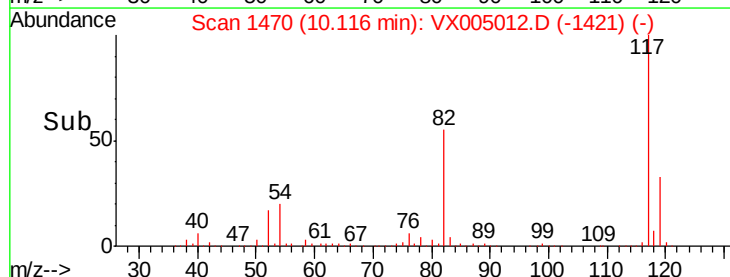
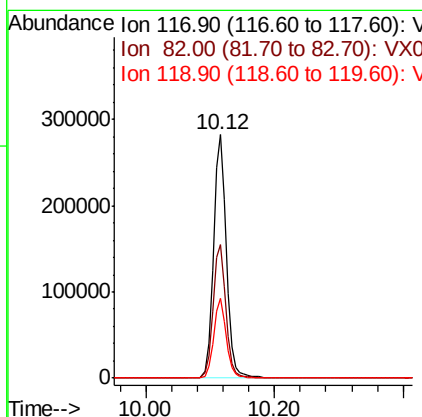
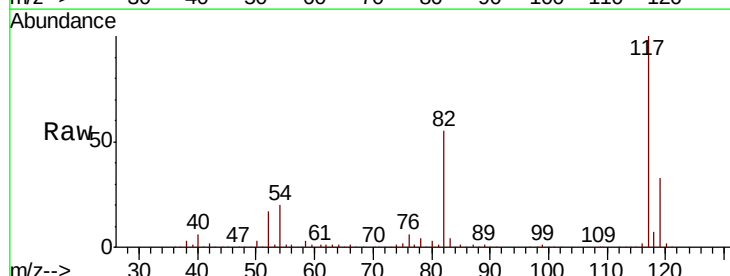
Instrument :
MSVOA_X
ClientSampleId :

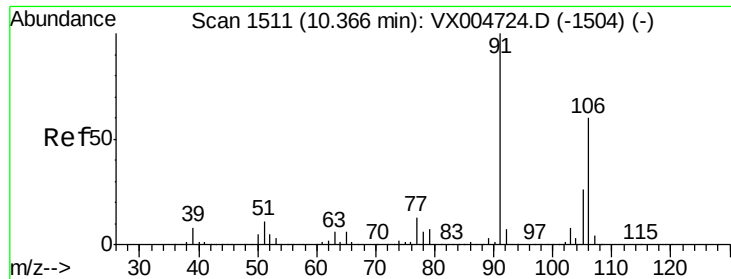
Tot Ion	95	Resp	211302
Ion Ratio	Lower	Upper	
95	100		
174	91.6	0.0	185.0
176	88.6	0.0	180.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005012.D
Acq: 04 Oct 2018 11:21

Tgt Ion	117	Resp	396823
Ion Ratio	Lower	Upper	
117	100		
82	55.0	42.2	63.4
119	32.7	27.4	41.0

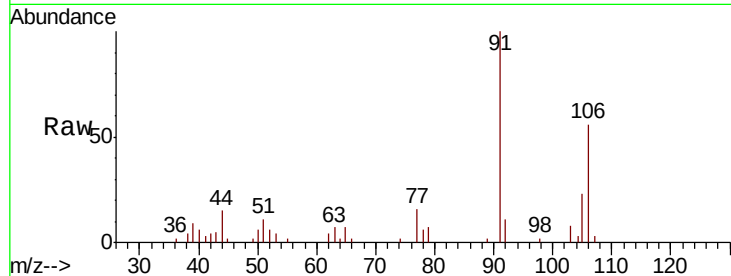




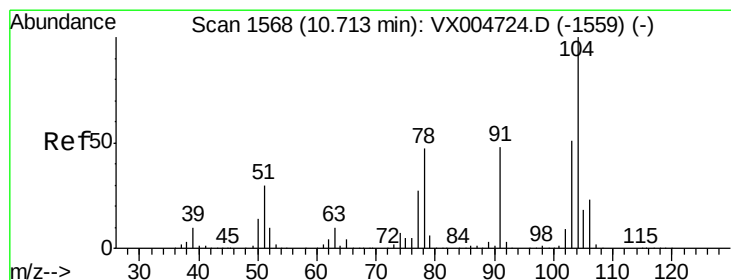
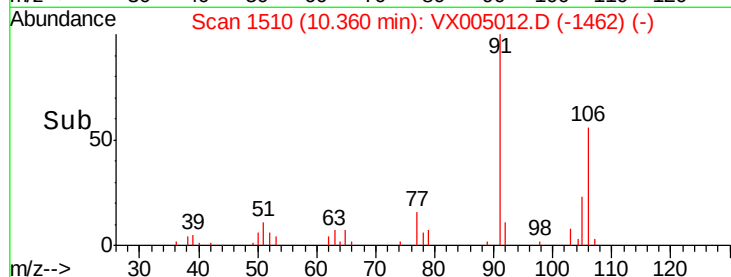
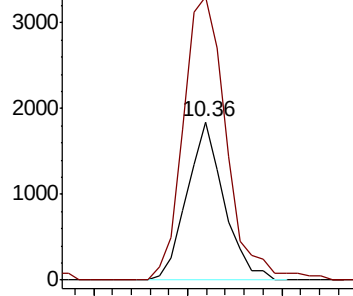
#68
m/p-Xylenes
Concen: 0.397 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX005012.D
Acq: 04 Oct 2018 11:21

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:106 Resp: 2508
Ion Ratio Lower Upper
106 100
91 208.8 157.5 236.3

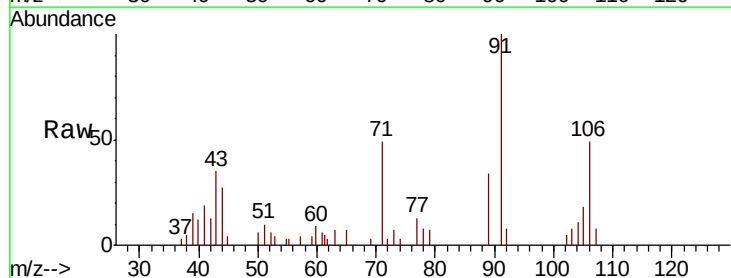


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

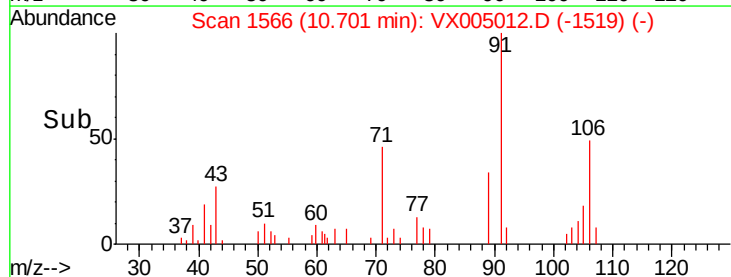
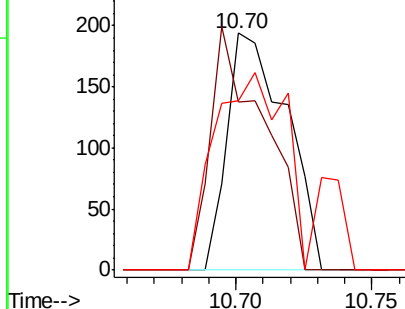


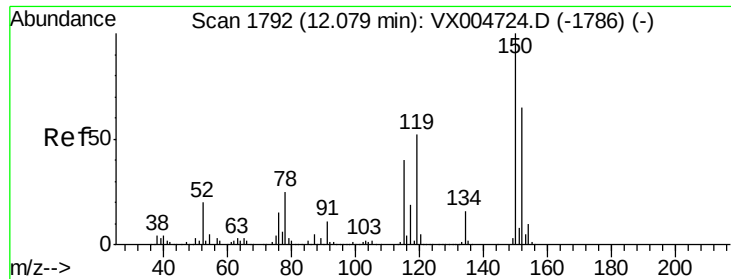
#70
Styrene
Concen: 2.166 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VX005012.D
Acq: 04 Oct 2018 11:21

Tgt Ion:104 Resp: 293
Ion Ratio Lower Upper
104 100
78 92.5 40.0 60.0#
103 117.7 44.3 66.5#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V



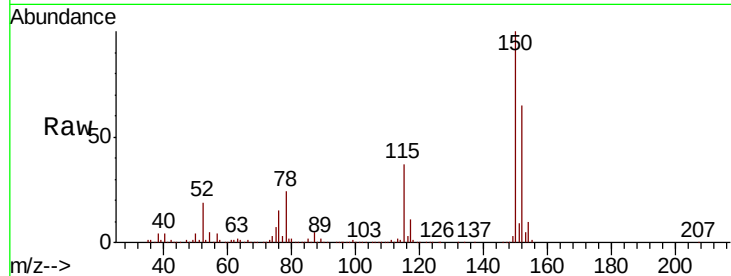


#72

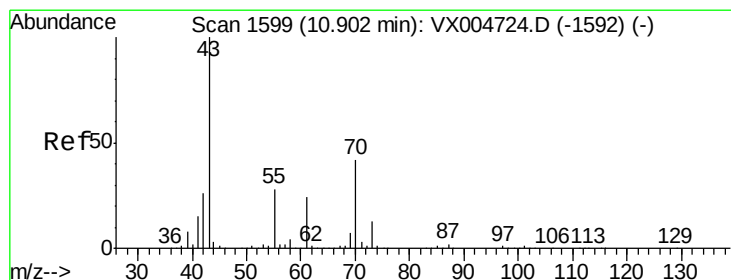
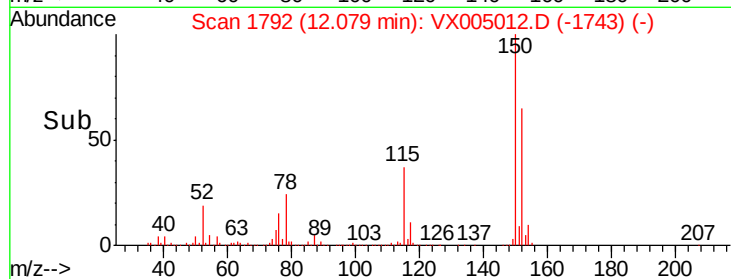
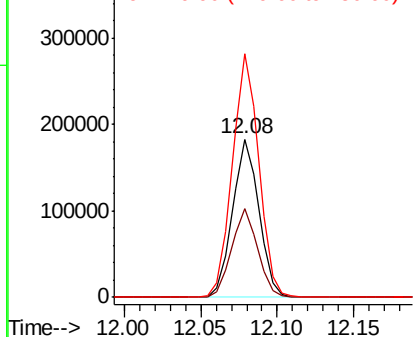
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005012.D
Acq: 04 Oct 2018 11:21

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 217732
Ion Ratio Lower Upper
152 100
115 55.3 40.2 120.6
150 154.5 0.0 351.0



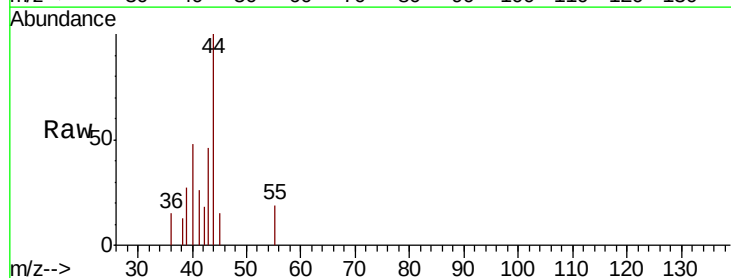
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



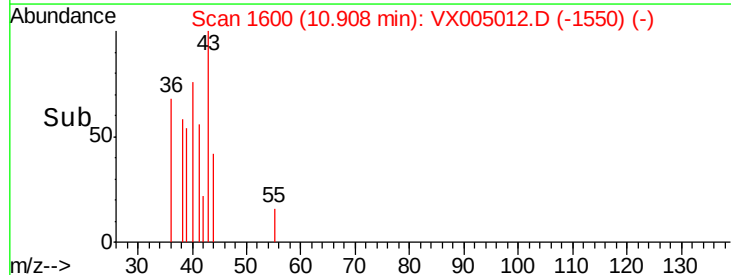
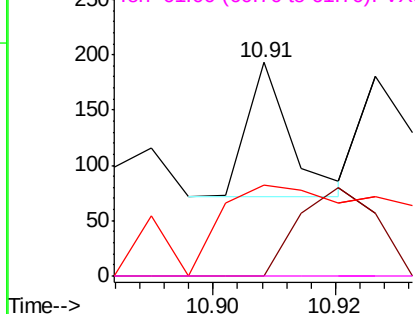
#74

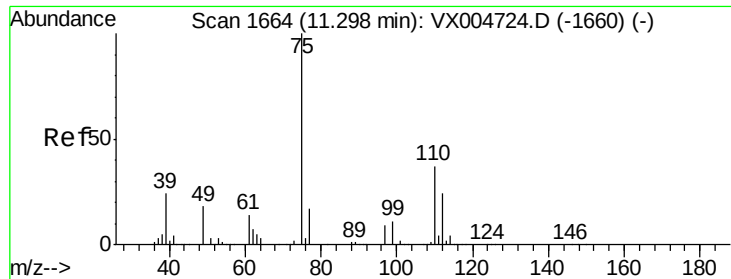
N-ethyl acetate
Concen: 1.755 ug/l
RT: 10.91 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VX005012.D
Acq: 04 Oct 2018 11:21

Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
70 0.0 32.6 48.8#
55 264.4 21.6 32.4#
61 0.0 19.1 28.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 70.00 (69.70 to 70.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 61.00 (60.70 to 61.70): VX0

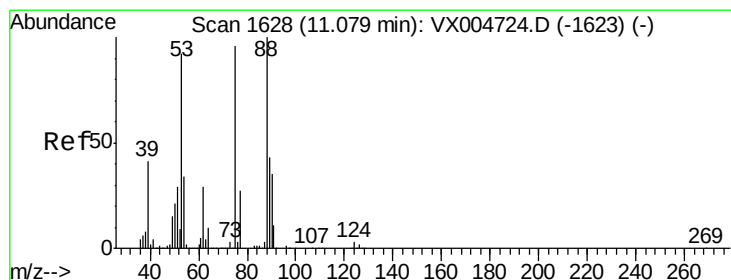
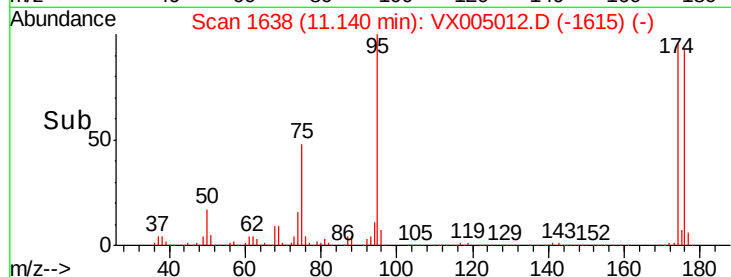
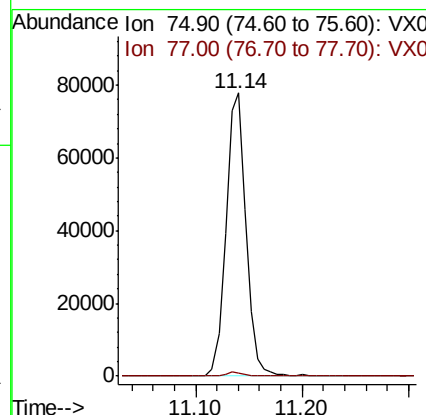
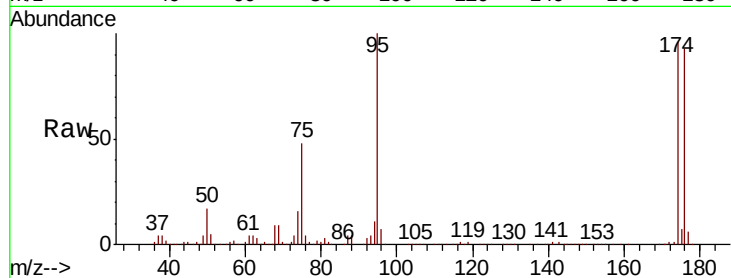




#76
 1,2,3-Trichloropropane
 Concen: 20.862 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX005012.D
 Acq: 04 Oct 2018 11:21

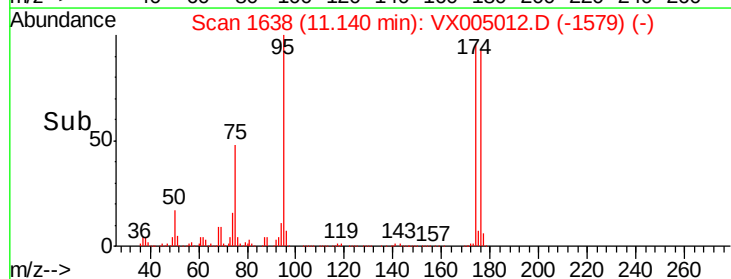
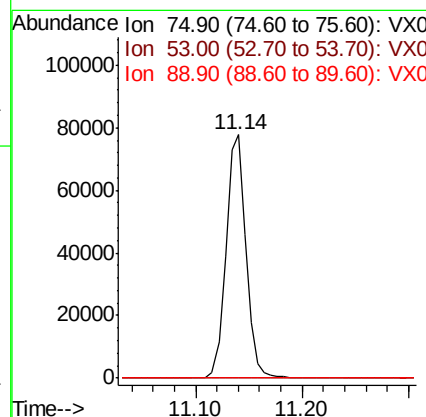
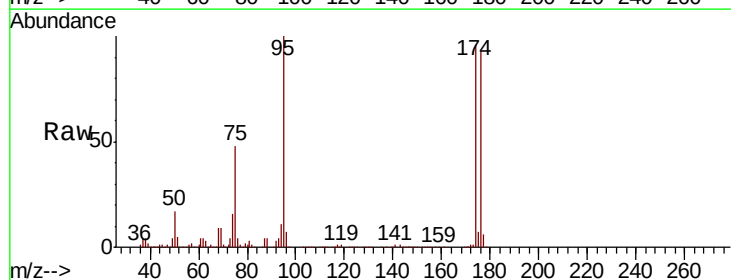
Instrument :
 MSVOA_X
 ClientSampleId :

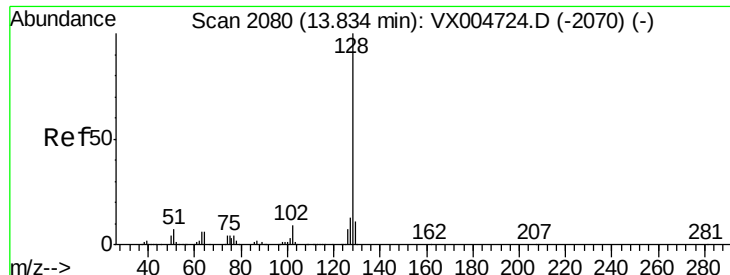
Tot Ion: 75 Resp: 101810
 Ion Ratio Lower Upper
 75 100
 77 1.4 21.4 64.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.624 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.06 min
 Lab File: VX005012.D
 Acq: 04 Oct 2018 11:21

Tgt Ion: 75 Resp: 101810
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.2 120.4#
 89 0.0 37.1 55.7#





#95
Naphthalene
Concen: 12.532 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005012.D
Acq: 04 Oct 2018 11:21

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.9	8.7	13.1

