

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100418\
 Data File : VX005027.D
 Acq On : 04 Oct 2018 19:08
 Operator : JC/MD
 Sample : J5233-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 05 03:23:33 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

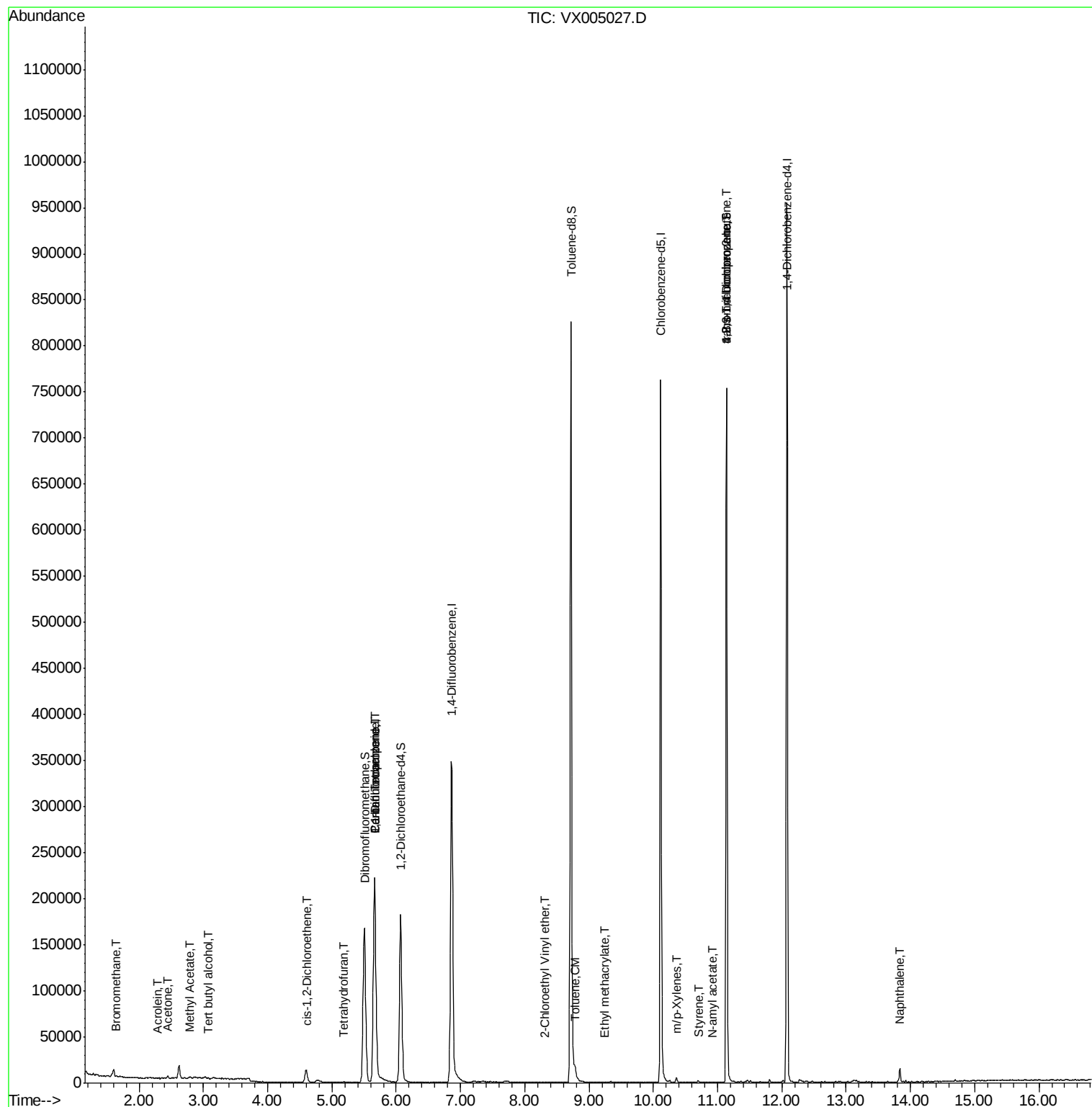
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	238080	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	375913	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	360973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	194951	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	169756	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
35) Dibromofluoromethane	5.50	113	144505	45.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.72%	
50) Toluene-d8	8.72	98	537809	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
62) 4-Bromofluorobenzene	11.14	95	190415	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.65	94	570	0.260	ug/l	93
6) Chloroethane	1.73	64	109	Below Cal	#	45
11) Tert butyl alcohol	3.08	59	694	0.730	ug/l #	76
13) Acrolein	2.29	56	229	0.338	ug/l #	75
16) Acetone	2.45	43	2125	1.070	ug/l #	63
18) Methyl Acetate	2.78	43	1690	0.336	ug/l	97
20) Methylene Chloride	2.87	84	414	Below Cal	#	64
27) cis-1,2-Dichloroethene	4.60	96	8191	2.596	ug/l	97
29) Tetrahydrofuran	5.18	42	781	0.429	ug/l #	61
36) 1,1-Dichloropropene	5.66	75	15068	3.466	ug/l #	47
38) Carbon Tetrachloride	5.67	117	20281	4.439	ug/l #	18
52) Toluene	8.79	92	2280	0.305	ug/l	98
56) Ethyl methacrylate	9.24	69	19	2.865	ug/l #	22
58) 2-Chloroethyl Vinyl ether	8.31	63	42	14.256	ug/l #	49
68) m/p-Xylenes	10.37	106	1162	0.202	ug/l	94
70) Styrene	10.71	104	90	2.149	ug/l #	1
74) N-amyl acetate	10.91	43	199	1.776	ug/l #	55
76) 1,2,3-Trichloropropane	11.14	75	92273	21.117	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	553	Below Cal		98
81) trans-1,4-Dichloro-2-buten	11.14	75	92273	57.293	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	1527	Below Cal		91
95) Naphthalene	13.83	128	9635	1.305	ug/l	100

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

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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: VX005027.D

Acq: 04 Oct 2018 19:08

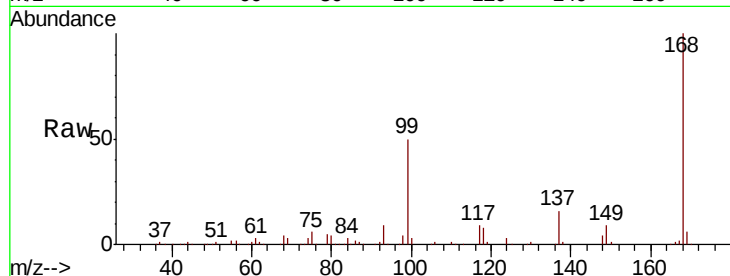
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 238080

Ion Ratio Lower Upper

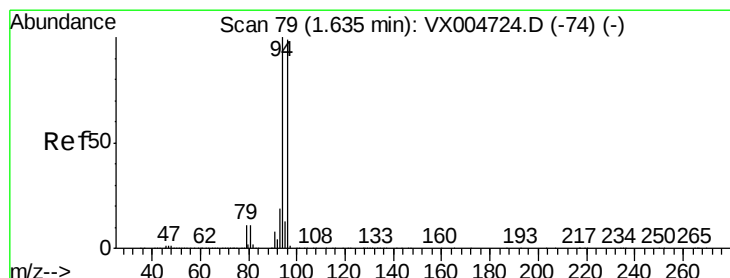
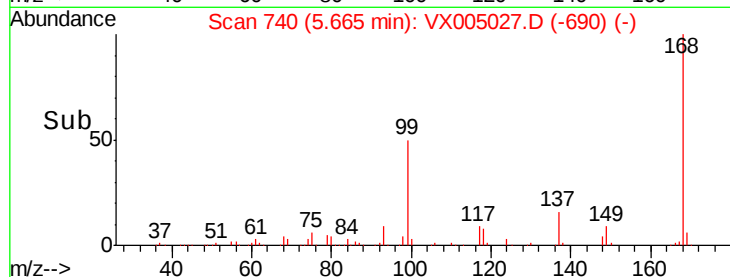
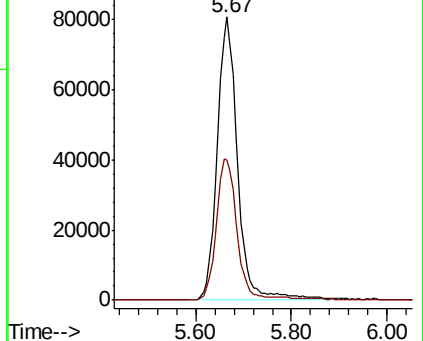
168 100

99 49.7 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.260 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX005027.D

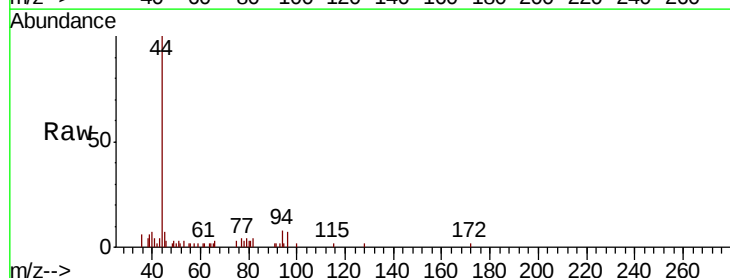
Acq: 04 Oct 2018 19:08

Tgt Ion: 94 Resp: 570

Ion Ratio Lower Upper

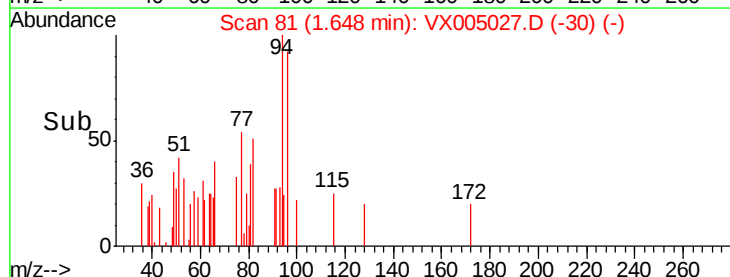
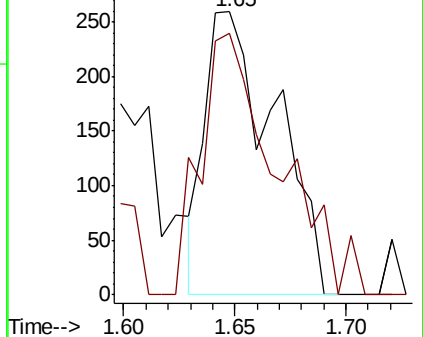
94 100

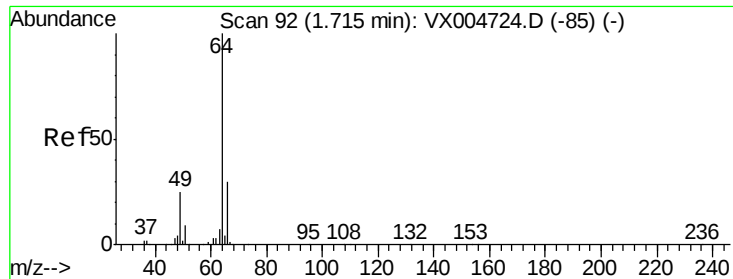
96 92.3 79.5 119.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX005027.D

Acq: 04 Oct 2018 19:08

Instrument :

MSVOA_X

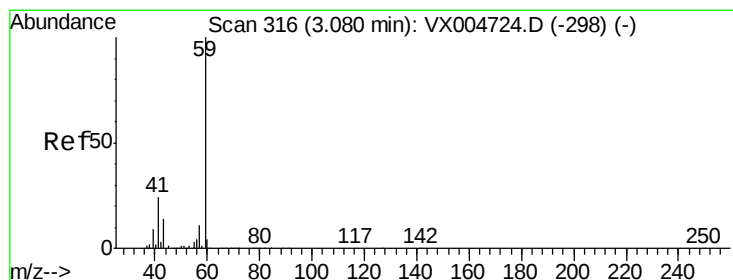
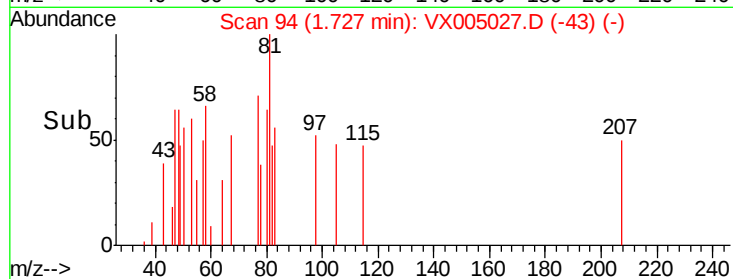
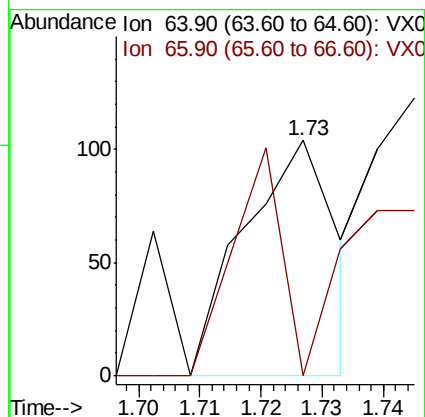
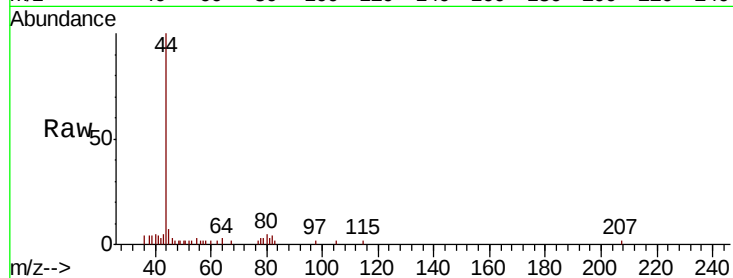
ClientSampled :

Tot Ion: 64 Resp: 109

Ion Ratio Lower Upper

64 100

66 0.0 23.8 35.6#



#11

Tert butyl alcohol

Concen: 0.730 ug/l

RT: 3.08 min Scan# 316

Delta R.T. -0.00 min

Lab File: VX005027.D

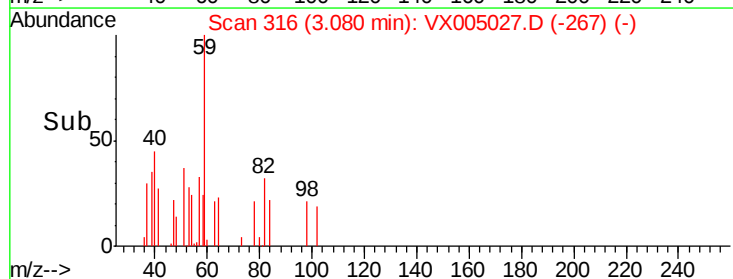
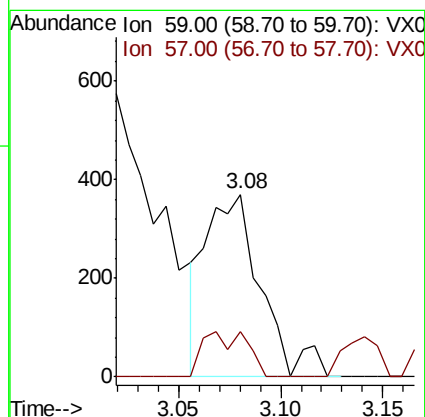
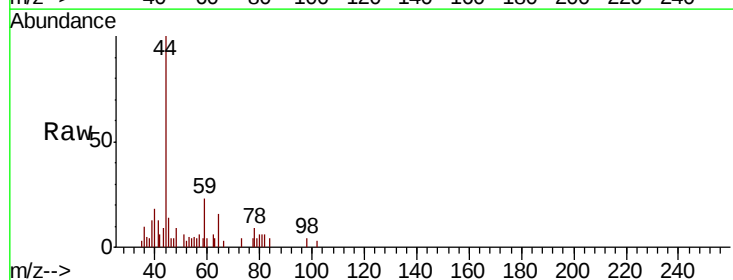
Acq: 04 Oct 2018 19:08

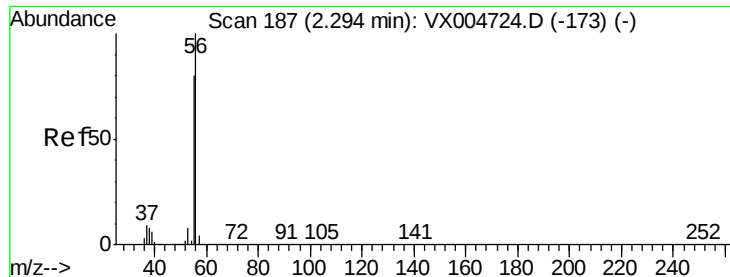
Tgt Ion: 59 Resp: 694

Ion Ratio Lower Upper

59 100

57 19.6 8.6 12.8#





#13

Acrolein

Concen: 0.338 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005027.D

Acq: 04 Oct 2018 19:08

Instrument :

MSVOA_X

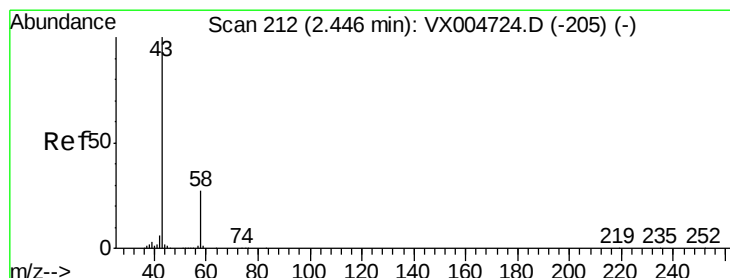
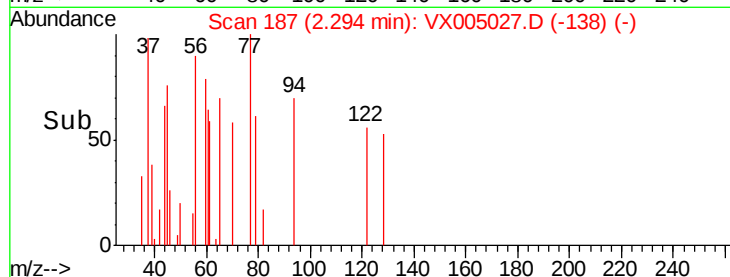
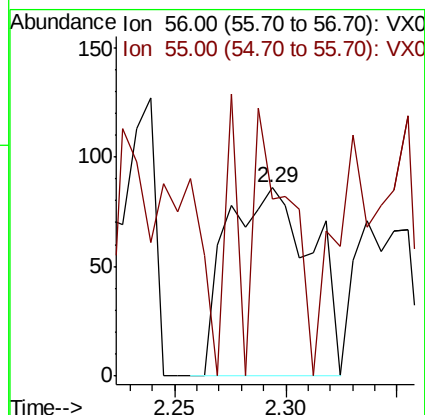
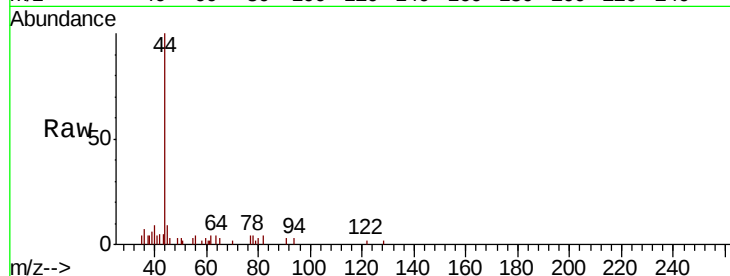
ClientSampleId :

Tot Ion: 56 Resp: 229

Ion Ratio Lower Upper

56 100

55 57.6 63.4 95.2#



#16

Acetone

Concen: 1.070 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005027.D

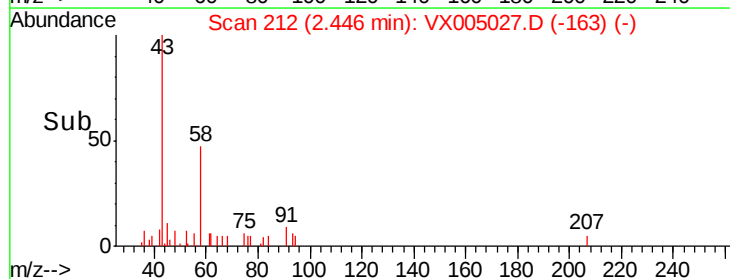
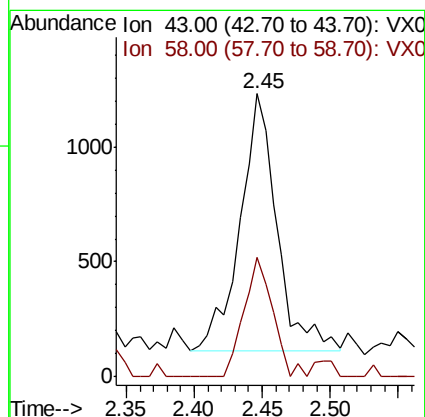
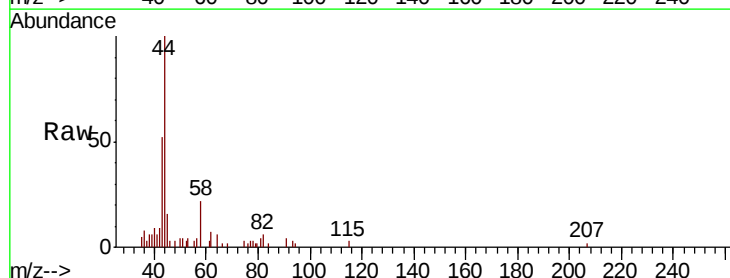
Acq: 04 Oct 2018 19:08

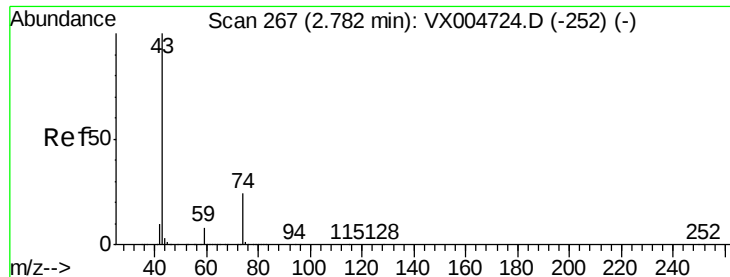
Tgt Ion: 43 Resp: 2125

Ion Ratio Lower Upper

43 100

58 46.2 21.8 32.6#

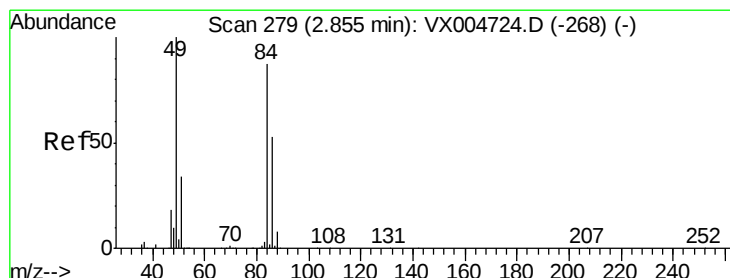
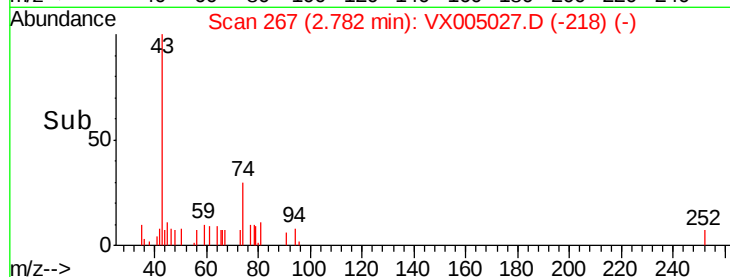
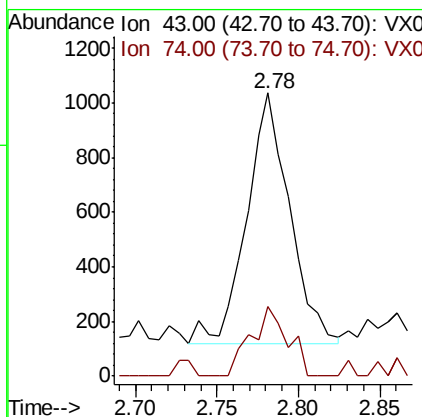
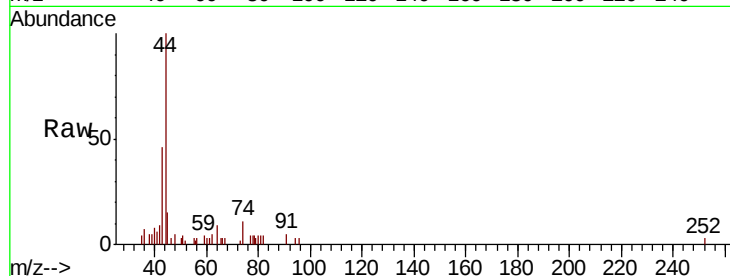




#18
Methvl Acetate
Concen: 0.336 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX005027.D
Acq: 04 Oct 2018 19:08

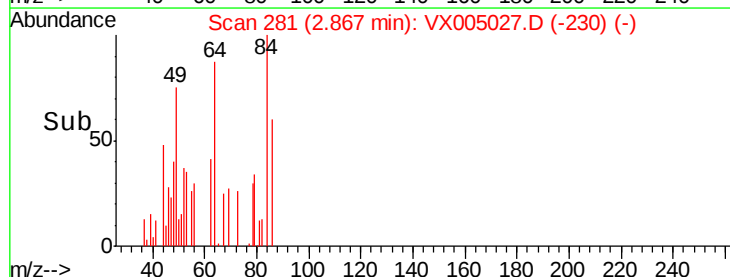
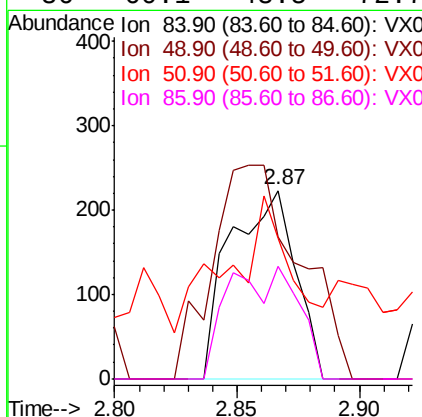
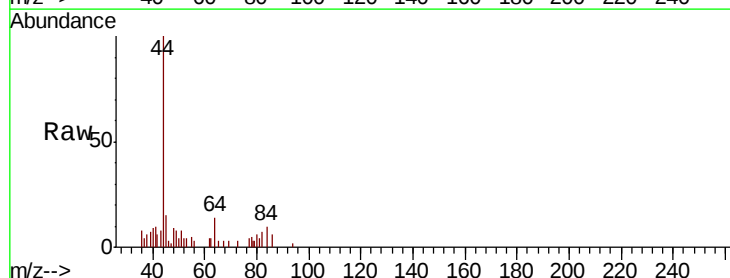
Instrument :
MSVOA_X
ClientSampleId :

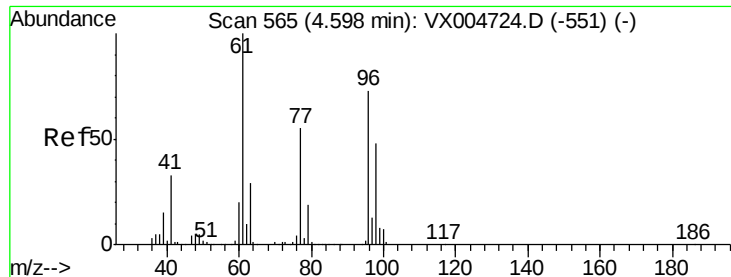
Tot Ion: 43 Resp: 1690
Ion Ratio Lower Upper
43 100
74 23.6 17.8 26.8



#20
Methylene Chloride
Concen: Below Cal
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX005027.D
Acq: 04 Oct 2018 19:08

Tgt Ion: 84 Resp: 414
Ion Ratio Lower Upper
84 100
49 52.0 92.3 138.5#
51 26.0 31.8 47.6#
86 60.1 48.5 72.7

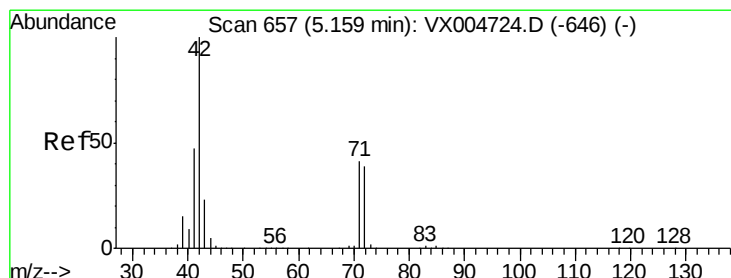
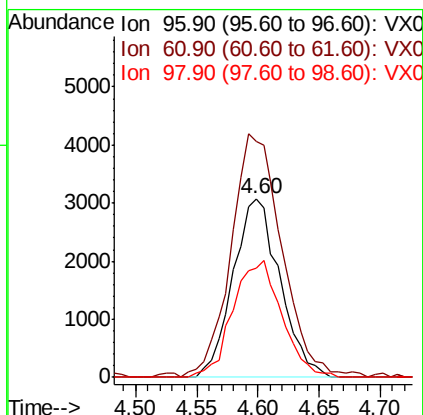
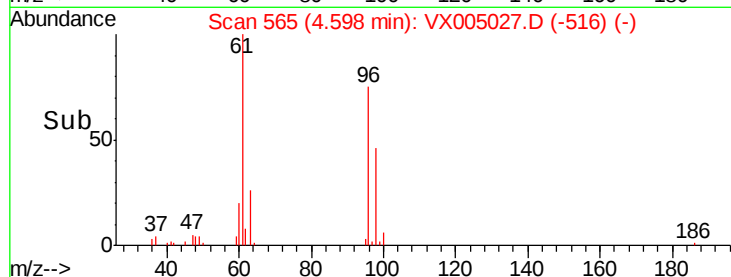
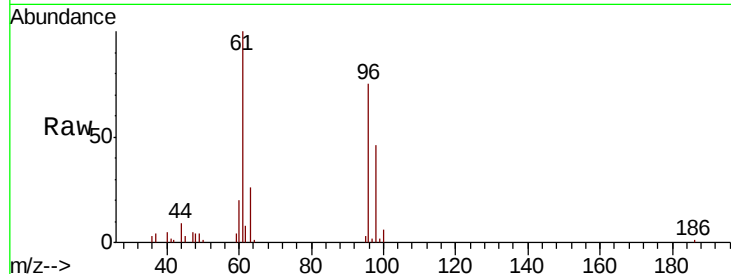




#27
 cis-1,2-Dichloroethene
 Concen: 2.596 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX005027.D
 Acq: 04 Oct 2018 19:08

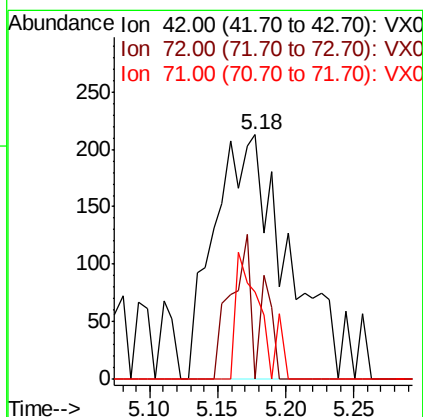
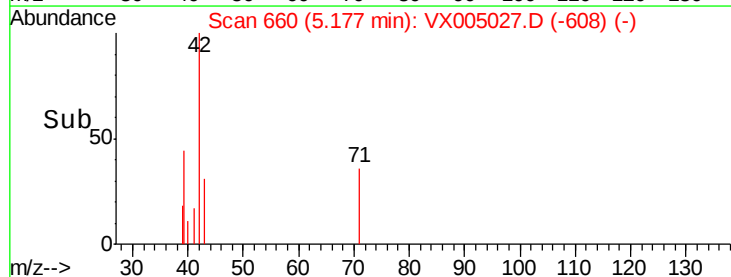
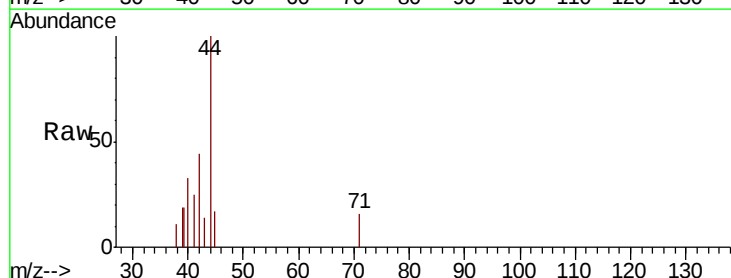
Instrument :
 MSVOA_X
 ClientSampleId :

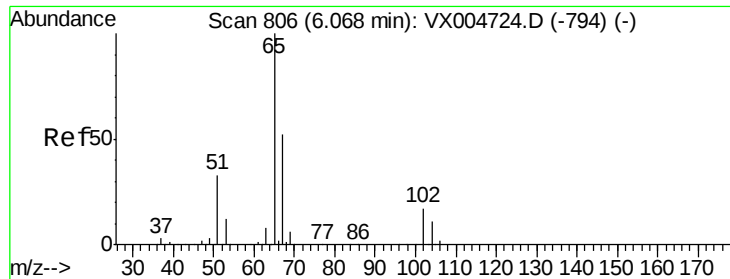
Tot Ion: 96 Resp: 8191
 Ion Ratio Lower Upper
 96 100
 61 147.9 0.0 285.8
 98 68.1 0.0 136.2



#29
 Tetrahydrofuran
 Concen: 0.429 ug/l
 RT: 5.18 min Scan# 660
 Delta R.T. 0.02 min
 Lab File: VX005027.D
 Acq: 04 Oct 2018 19:08

Tgt Ion: 42 Resp: 781
 Ion Ratio Lower Upper
 42 100
 72 16.0 33.7 50.5#
 71 17.9 32.2 48.4#





#33

1,2-Dichloroethane-d4

Concen: 49.914 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

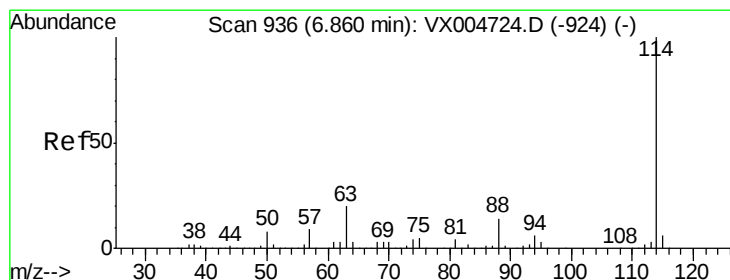
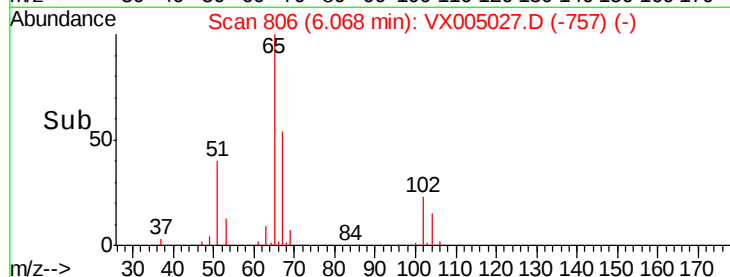
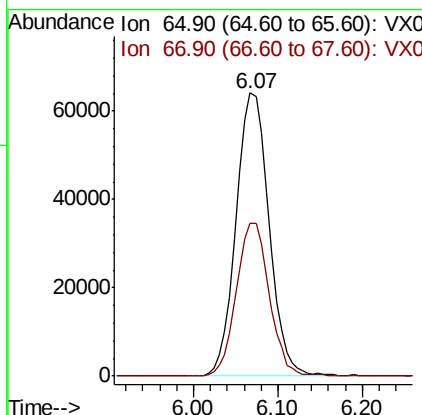
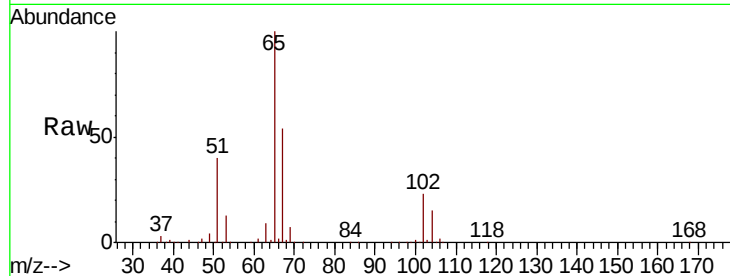
Lab File: VX005027.D

Acq: 04 Oct 2018 19:08

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 65 Resp: 169756

Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

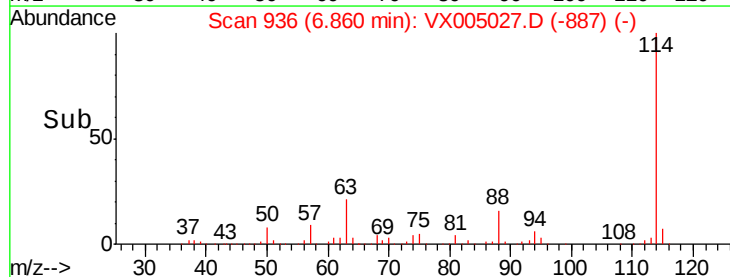
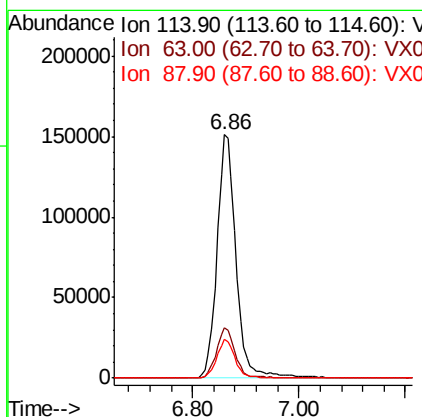
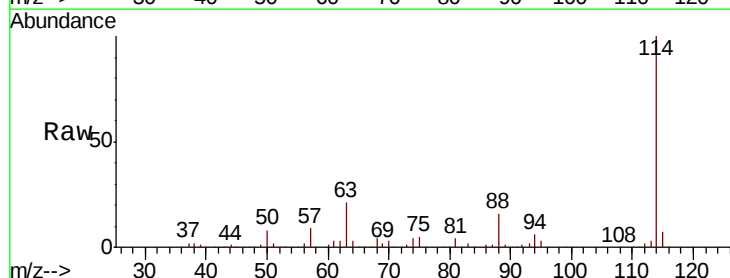
Delta R.T. -0.00 min

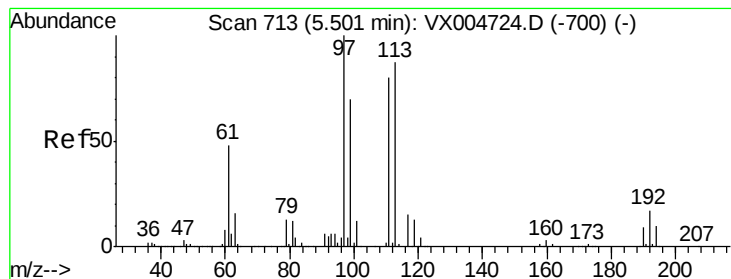
Lab File: VX005027.D

Acq: 04 Oct 2018 19:08

Tgt Ion: 114 Resp: 375913

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	39.8
88	16.0	0.0	27.0





#35

Dibromofluoromethane

Concen: 45.357 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005027.D

Acq: 04 Oct 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

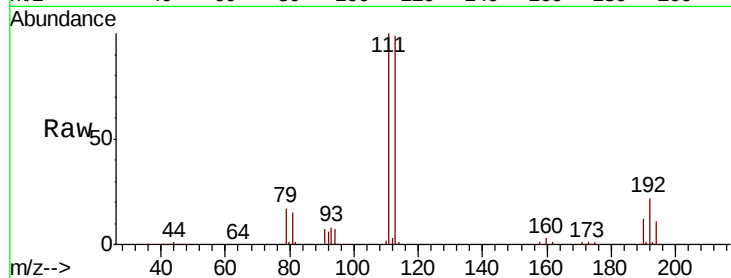
Tot Ion:113 Resp: 144505

Ion Ratio Lower Upper

113 100

111 103.0 77.0 115.4

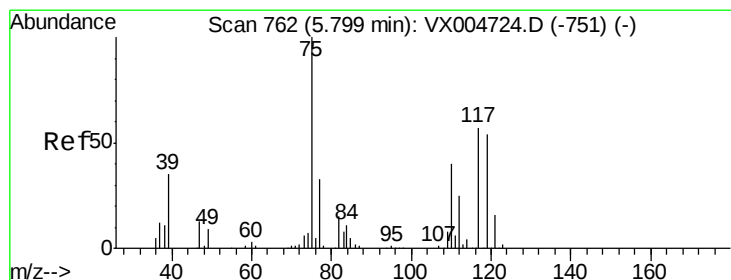
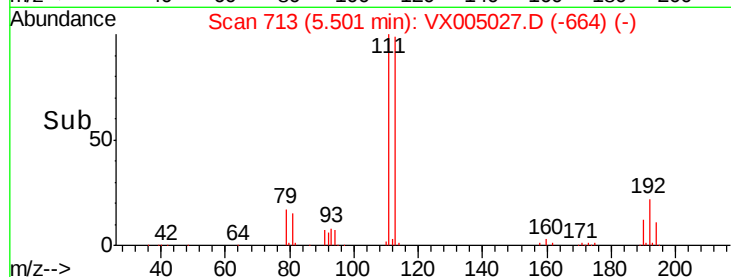
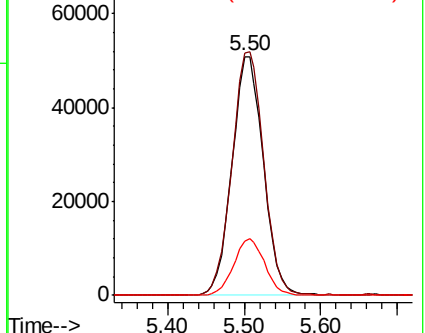
192 23.4 17.0 25.6



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: 3.466 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX005027.D

Acq: 04 Oct 2018 19:08

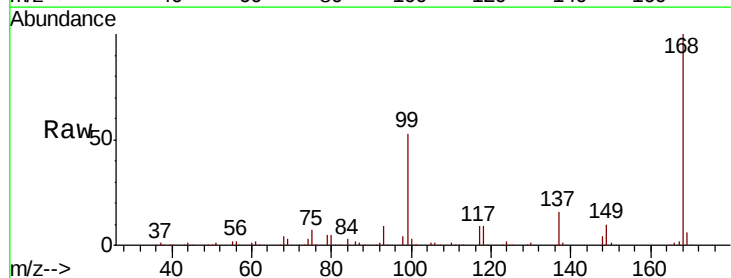
Tgt Ion: 75 Resp: 15068

Ion Ratio Lower Upper

75 100

110 10.4 20.0 59.9#

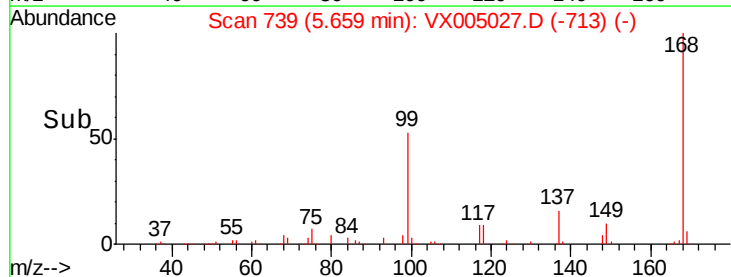
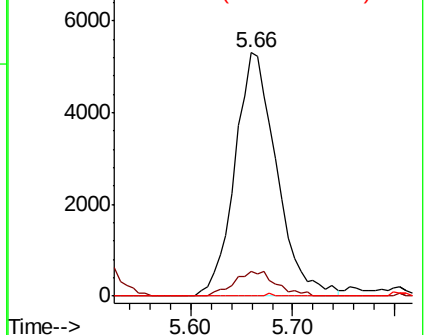
77 0.1 27.1 40.7#

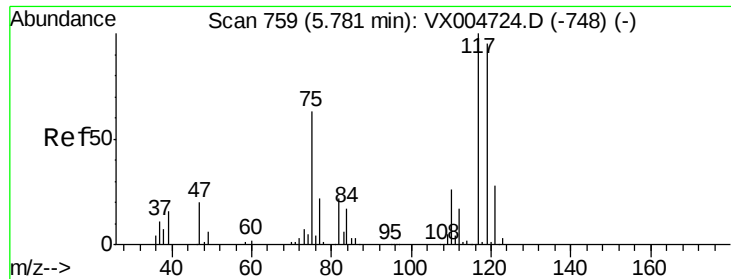


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

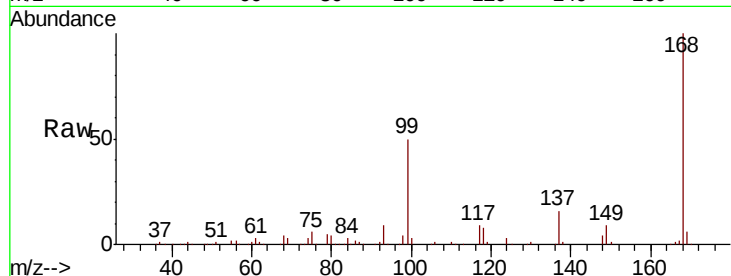




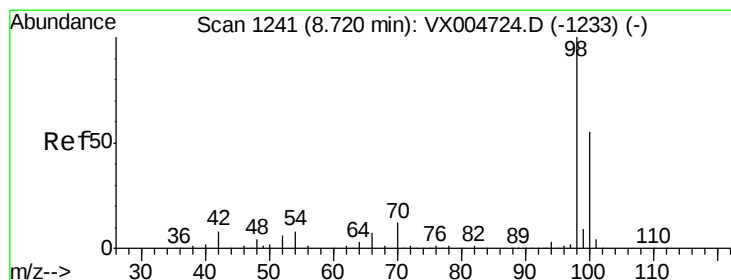
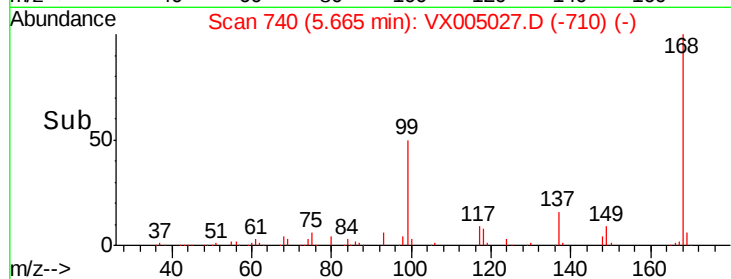
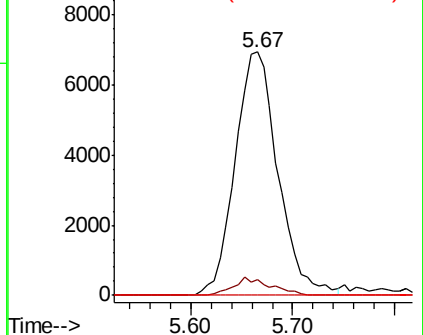
#38
Carbon Tetrachloride
Concen: 4.439 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX005027.D
Acq: 04 Oct 2018 19:08

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 20281
Ion Ratio Lower Upper
117 100
119 6.7 75.2 112.8#
121 0.0 22.5 33.7#

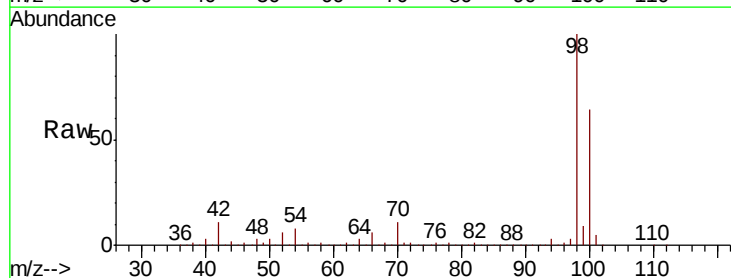


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

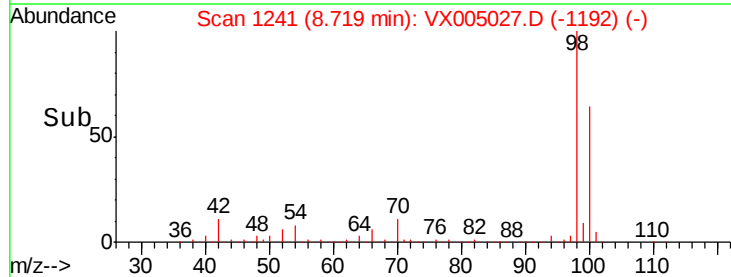
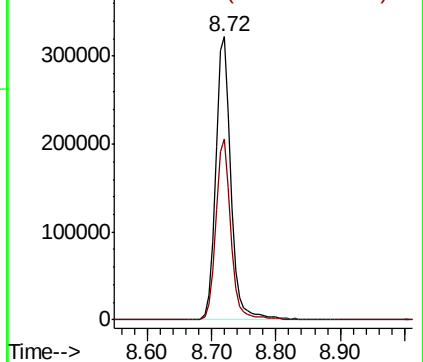


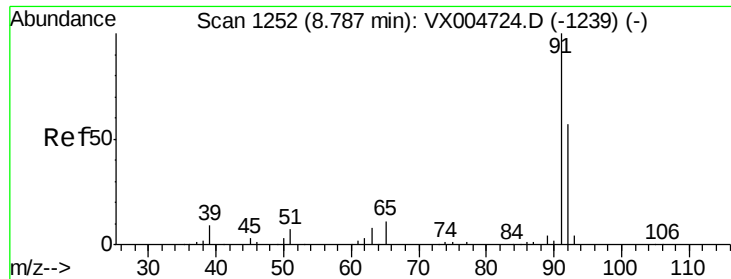
#50
Toluene-d8
Concen: 50.777 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX005027.D
Acq: 04 Oct 2018 19:08

Tgt Ion: 98 Resp: 537809
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9



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





#52

Toluene

Concen: 0.305 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005027.D

Acq: 04 Oct 2018 19:08

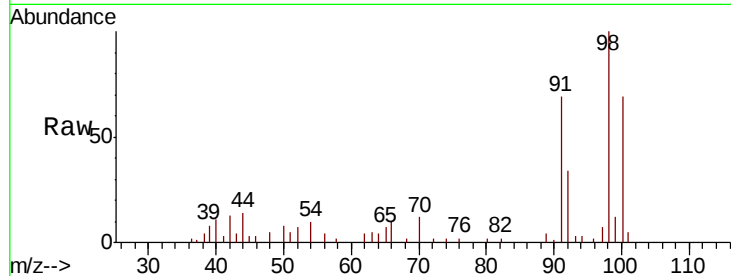
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 92 Resp: 2280

Ion Ratio Lower Upper

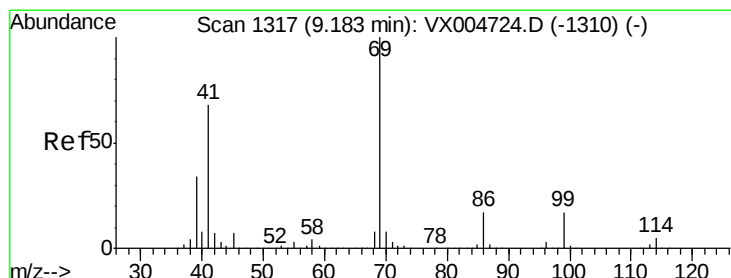
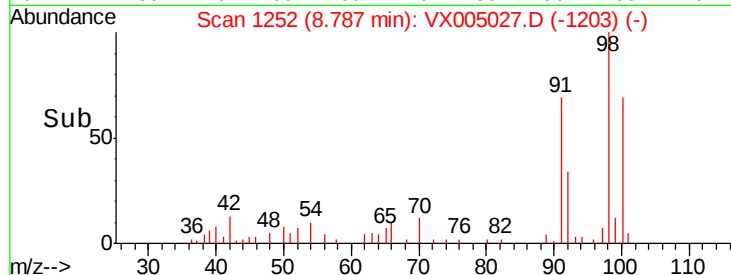
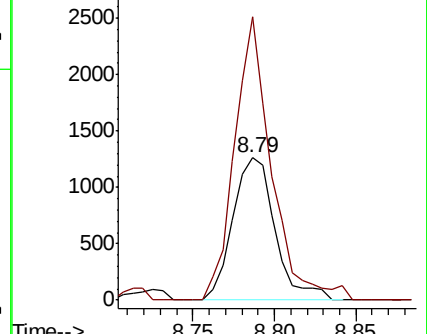
92 100

91 173.2 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#56

Ethyl methacrylate

Concen: 2.865 ug/l

RT: 9.24 min Scan# 1327

Delta R.T. 0.06 min

Lab File: VX005027.D

Acq: 04 Oct 2018 19:08

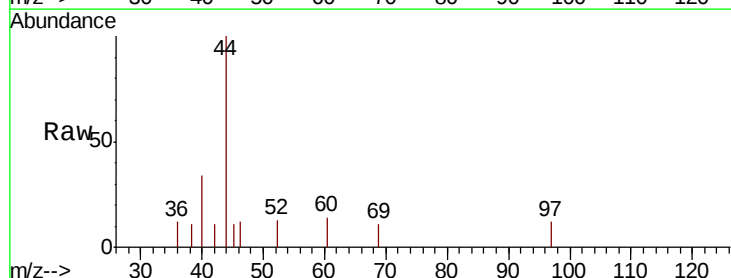
Tgt Ion: 69 Resp: 19

Ion Ratio Lower Upper

69 100

41 0.0 56.9 85.3#

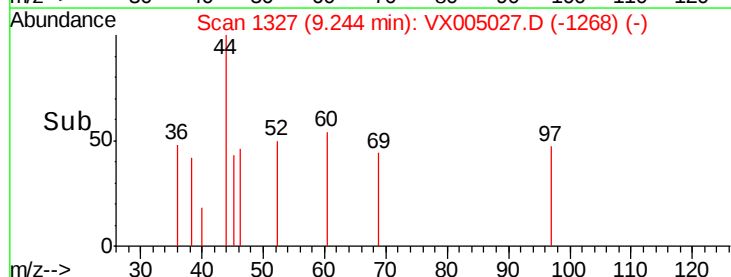
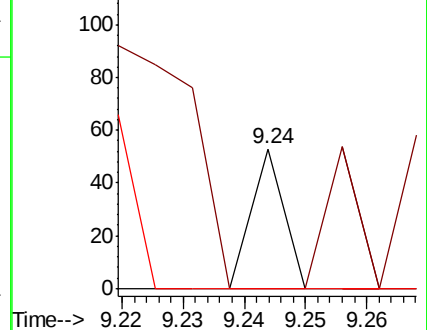
39 0.0 28.4 42.6#

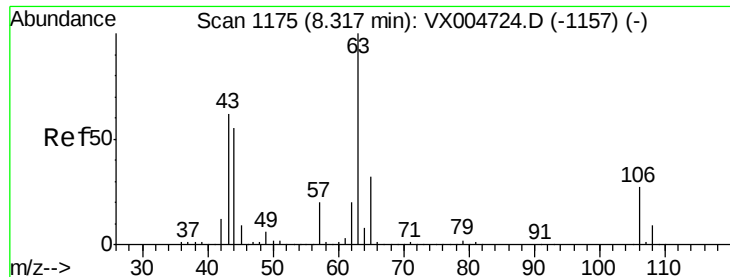


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

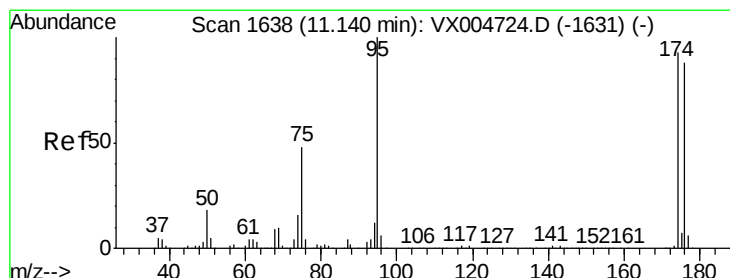
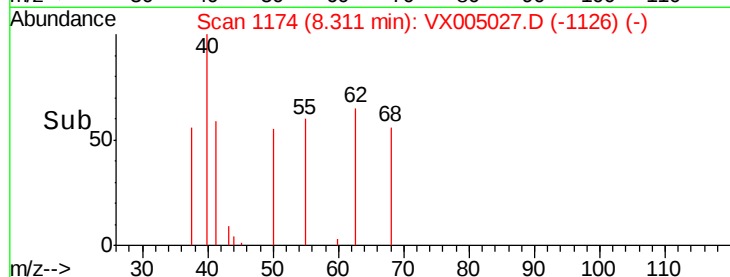
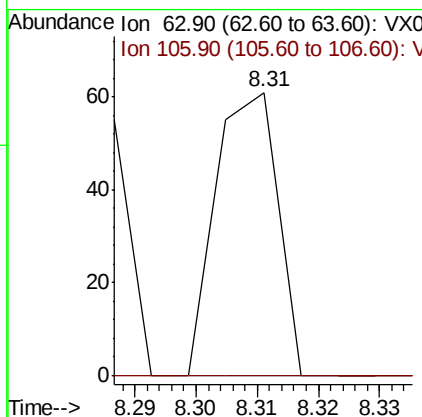
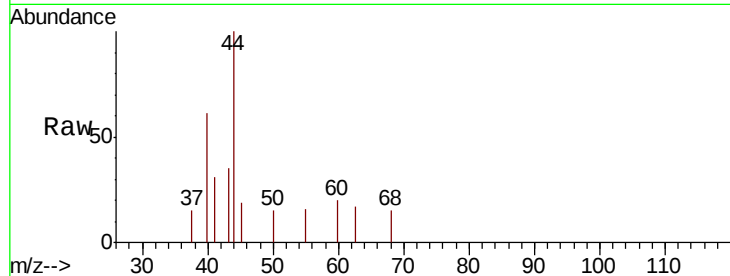




#58
 2-Chloroethyl Vinyl ether
 Concen: 14.256 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VX005027.D
 Acq: 04 Oct 2018 19:08

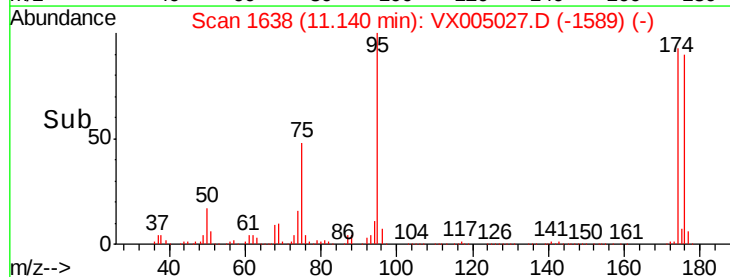
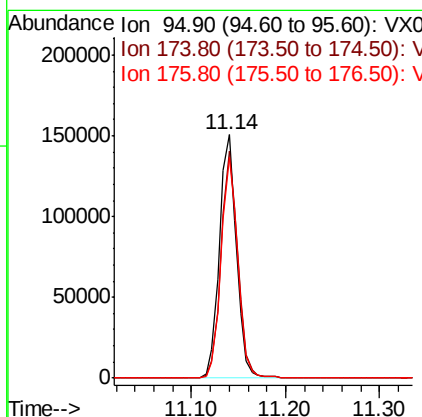
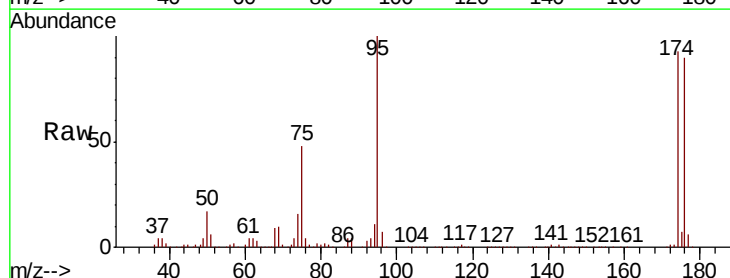
Instrument :
 MSVOA_X
 ClientSampled :

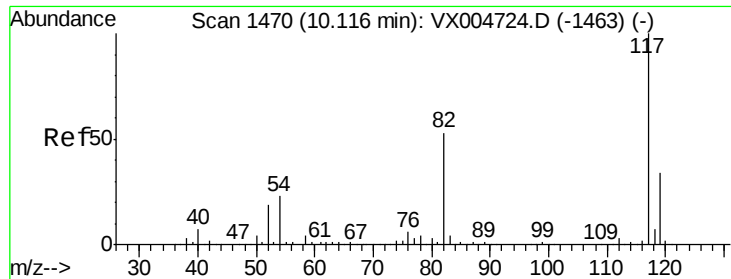
Tot Ion: 63 Resp: 42
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.0 31.6#



#62
 4-Bromofluorobenzene
 Concen: 49.904 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX005027.D
 Acq: 04 Oct 2018 19:08

Tgt Ion: 95 Resp: 190415
 Ion Ratio Lower Upper
 95 100
 174 91.8 0.0 185.0
 176 88.9 0.0 180.2

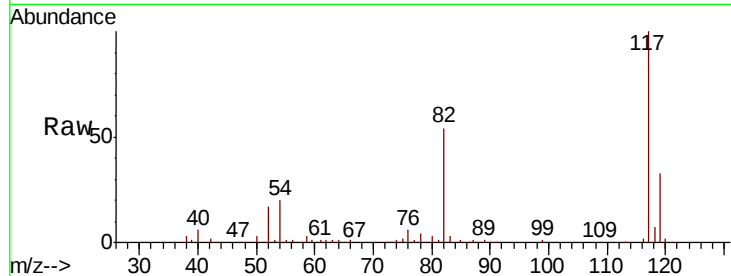




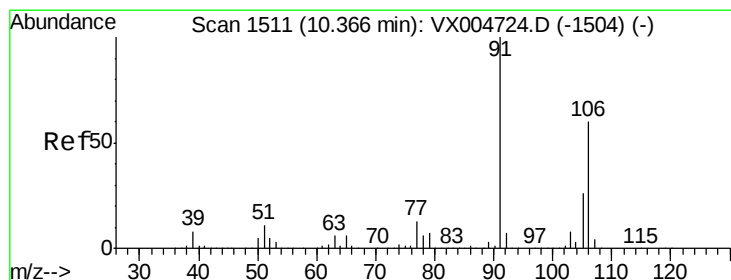
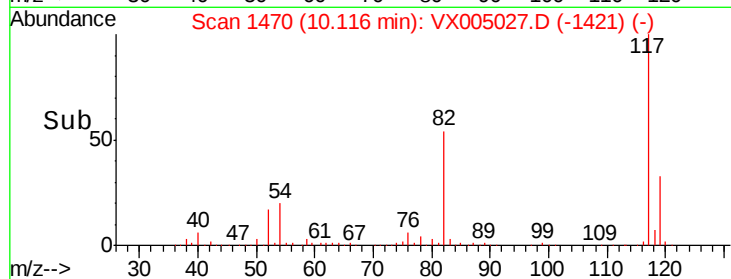
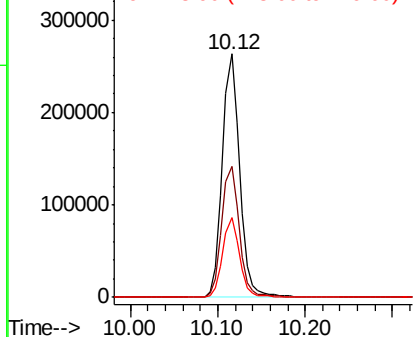
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005027.D
Acq: 04 Oct 2018 19:08

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 360973
Ion Ratio Lower Upper
117 100
82 53.6 42.2 63.4
119 32.5 27.4 41.0

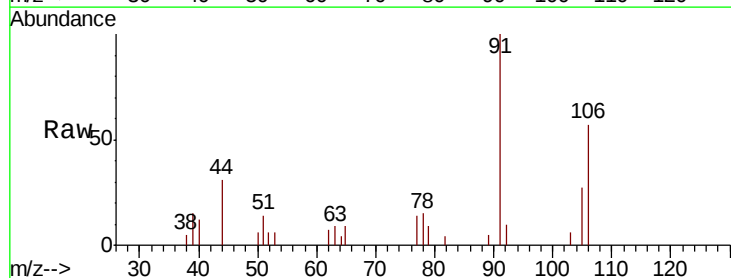


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

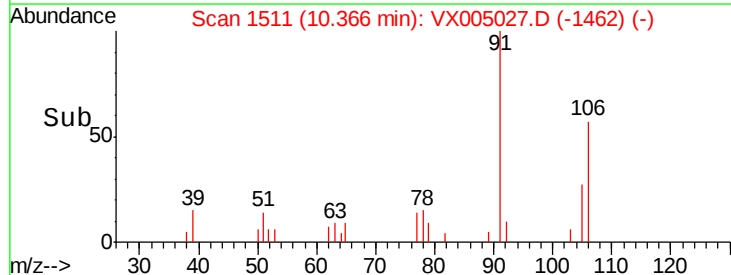
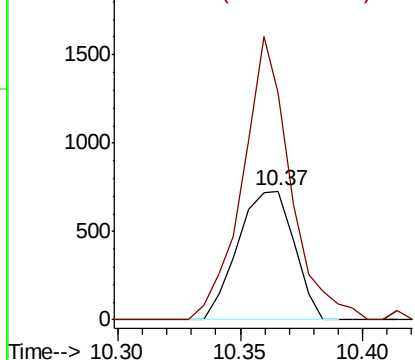


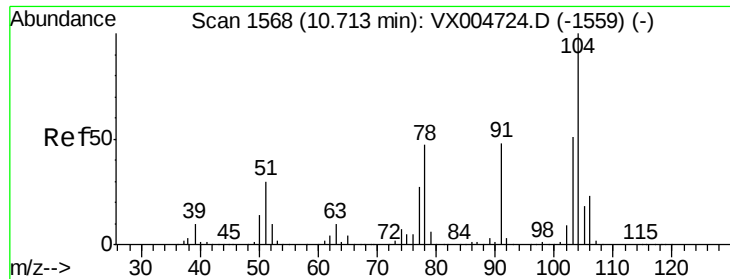
#68
m/p-Xylenes
Concen: 0.202 ug/l
RT: 10.37 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX005027.D
Acq: 04 Oct 2018 19:08

Tgt Ion:106 Resp: 1162
Ion Ratio Lower Upper
106 100
91 187.6 157.5 236.3



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





#70

Stvrene

Concen: 2.149 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX005027.D

Acq: 04 Oct 2018 19:08

Instrument :

MSVOA_X

ClientSampled :

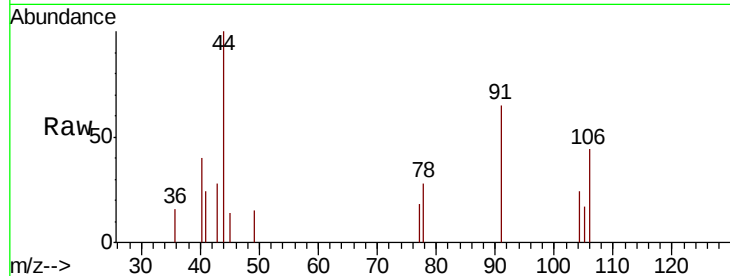
Tot Ion:104 Resp: 90

Ion Ratio Lower Upper

104 100

78 298.9 40.0 60.0#

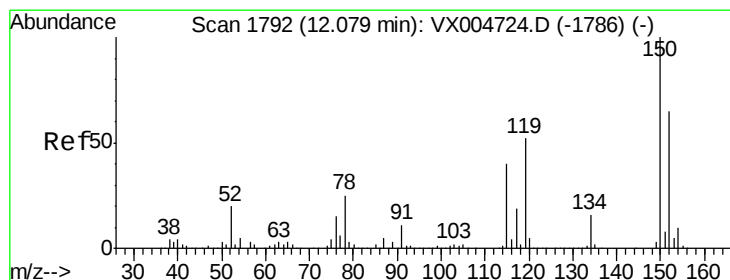
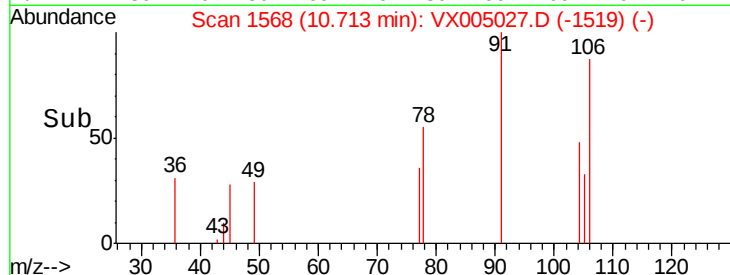
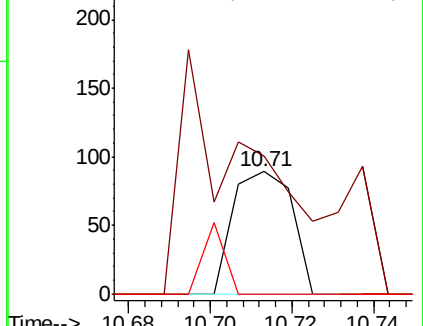
103 21.1 44.3 66.5#



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: VX005027.D

Acq: 04 Oct 2018 19:08

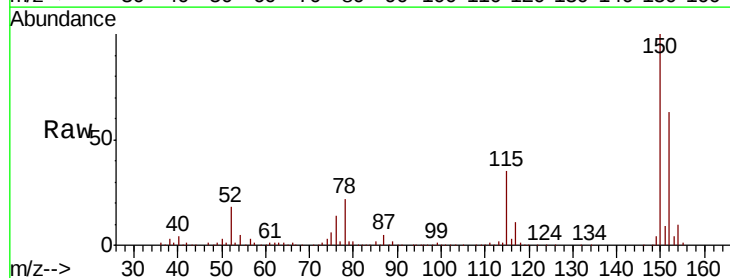
Tgt Ion:152 Resp: 194951

Ion Ratio Lower Upper

152 100

115 55.5 40.2 120.6

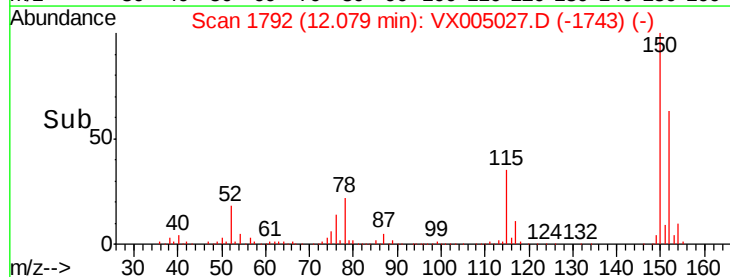
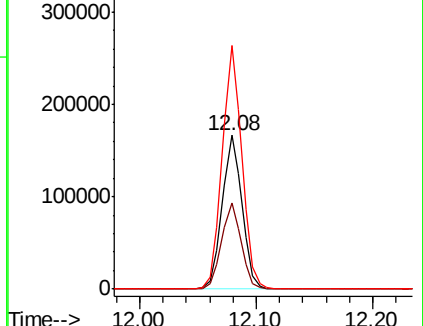
150 157.2 0.0 351.0

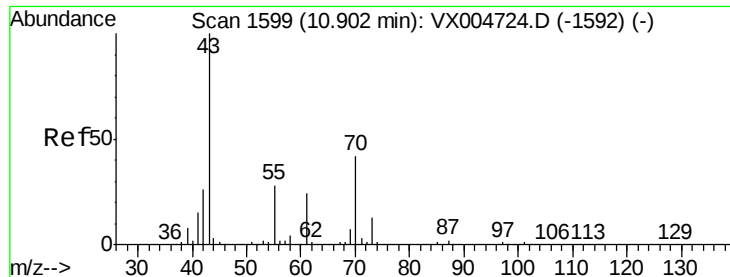


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 1.776 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX005027.D

Acq: 04 Oct 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 199

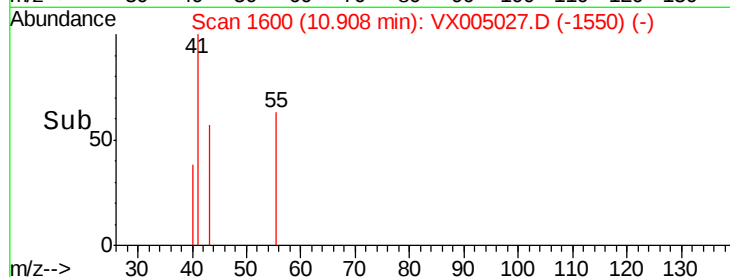
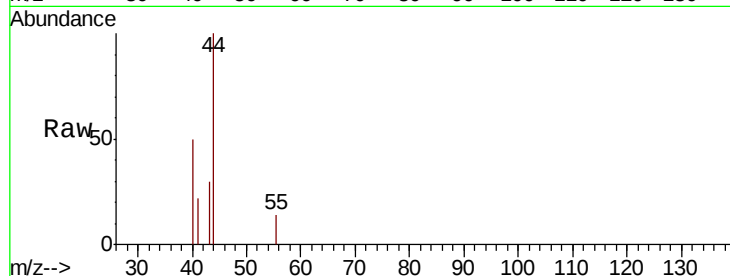
Ion Ratio Lower Upper

43 100

70 0.0 32.6 48.8#

55 33.2 21.6 32.4#

61 0.0 19.1 28.7#

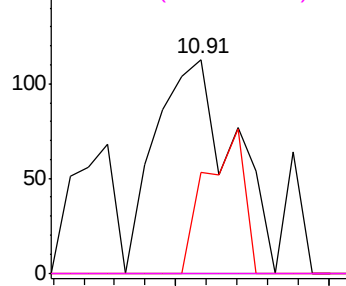


Abundance Ion 43.00 (42.70 to 43.70): VX0

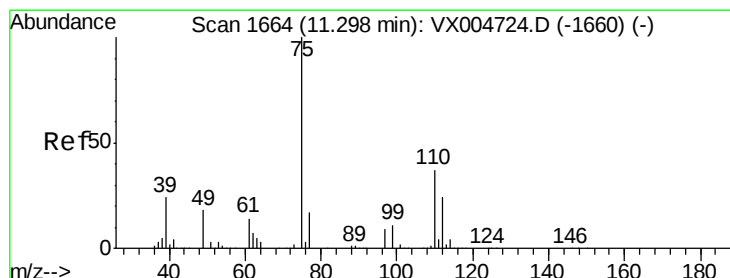
Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



Time-->



#76

1,2,3-Trichloropropane

Concen: 21.117 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005027.D

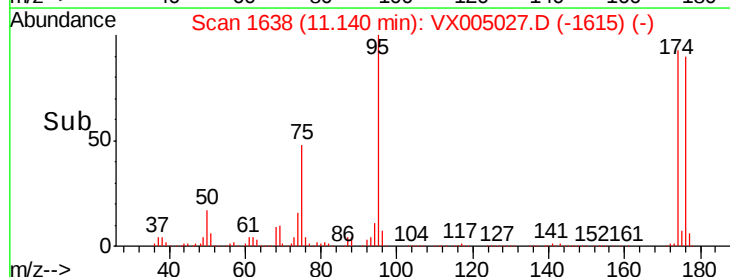
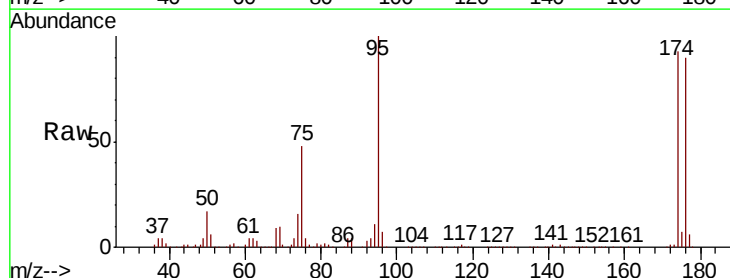
Acq: 04 Oct 2018 19:08

Tgt Ion: 75 Resp: 92273

Ion Ratio Lower Upper

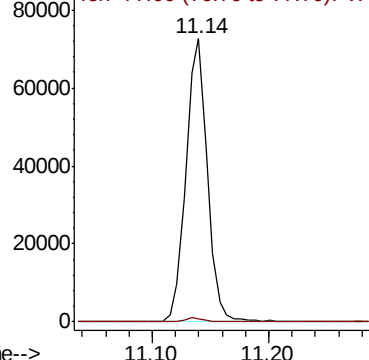
75 100

77 1.3 21.4 64.3#

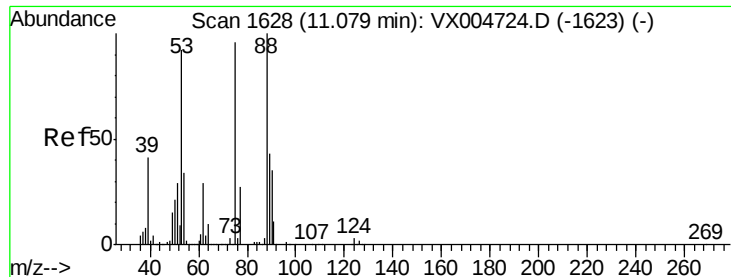


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 57.293 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX005027.D

Acq: 04 Oct 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

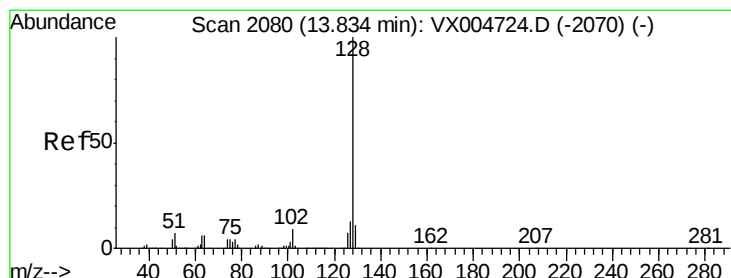
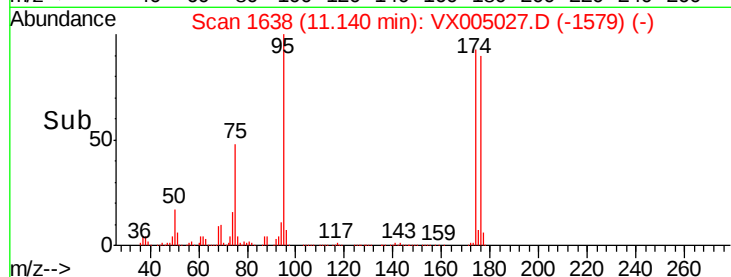
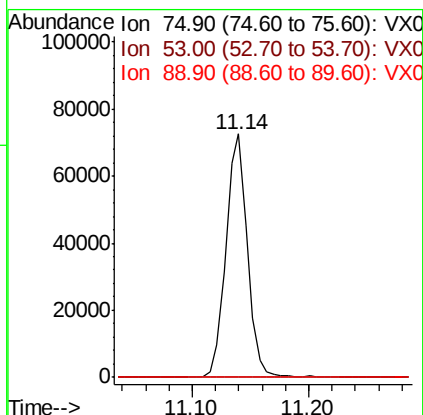
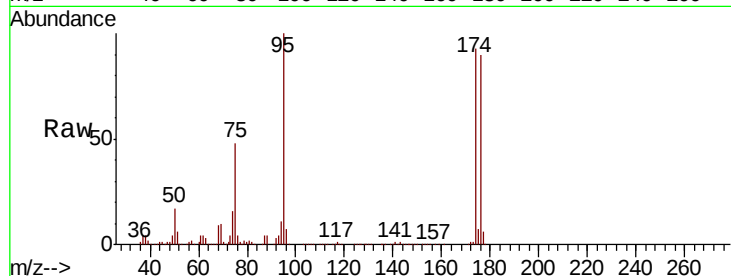
Tot Ion: 75 Resp: 92273

Ion Ratio Lower Upper

75 100

53 0.2 80.2 120.4#

89 0.0 37.1 55.7#



#95

Naphthalene

Concen: 1.305 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005027.D

Acq: 04 Oct 2018 19:08

Tgt Ion:128 Resp: 9635

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

129 11.2 8.7 13.1

