

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111618\
 Data File : VX006046.D
 Acq On : 16 Nov 2018 13:35
 Operator : JC/MD
 Sample : J5934-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0149

Quant Time: Nov 17 00:42:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

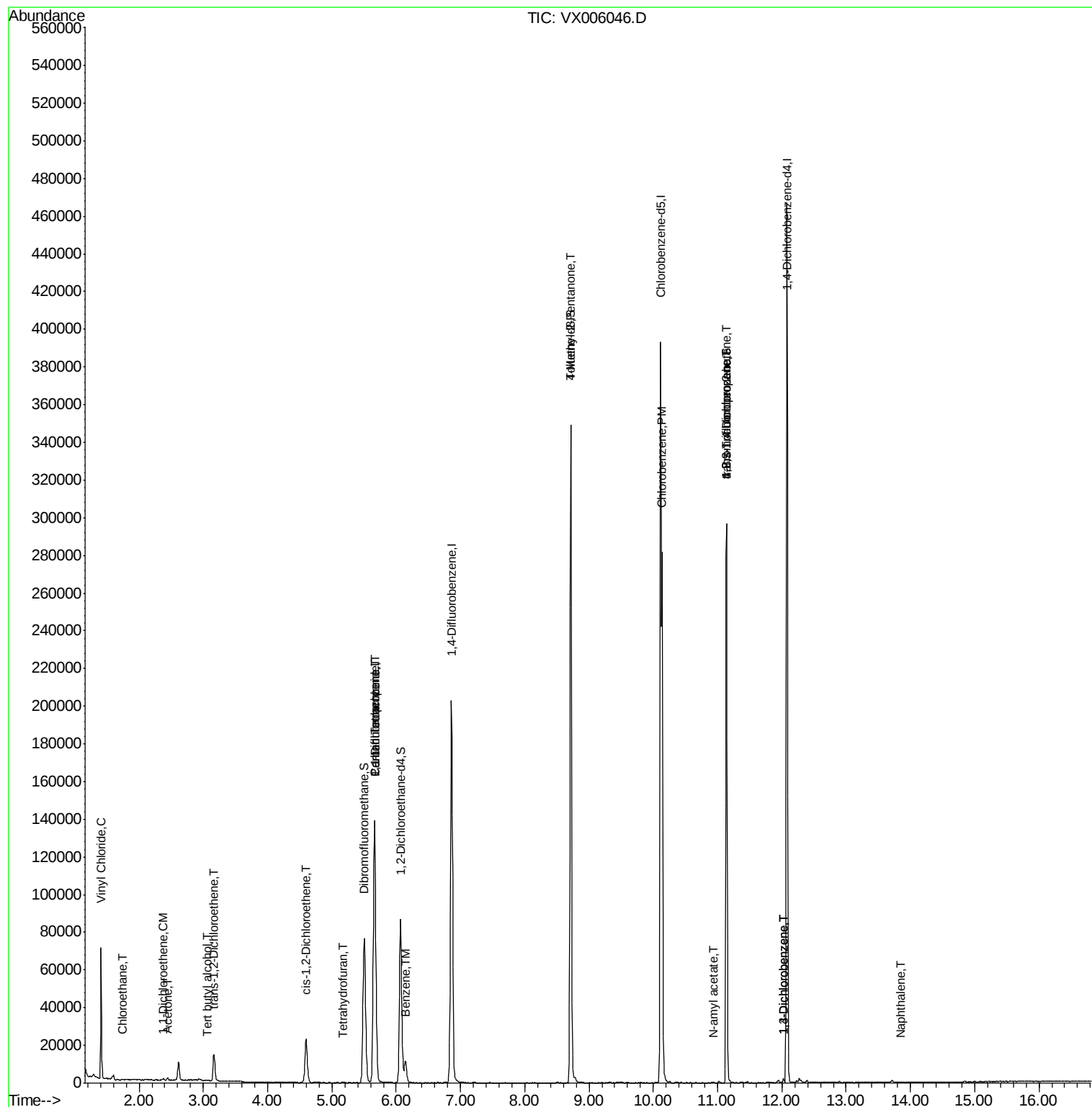
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	139048	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.86	114	196634	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	183287	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	99549	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	80042	50.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.14%	
35) Dibromofluoromethane	5.51	113	65884	49.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.52%	
50) Toluene-d8	8.71	98	215259	48.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.82%	
62) 4-Bromofluorobenzene	11.14	95	77648	48.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.14%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.41	62	47165	28.555	ug/l	100
6) Chloroethane	1.73	64	343	0.348	ug/l #	42
11) Tert butyl alcohol	3.06	59	269	0.587	ug/l #	72
12) 1,1-Dichloroethene	2.39	96	254	0.207	ug/l #	68
16) Acetone	2.45	43	1354	1.573	ug/l	97
18) Methyl Acetate	2.79	43	406	Below Cal	#	55
21) trans-1,2-Dichloroethene	3.17	96	5482	4.229	ug/l	93
27) cis-1,2-Dichloroethene	4.59	96	14496	10.127	ug/l	89
29) Tetrahydrofuran	5.17	42	295	0.340	ug/l #	42
36) 1,1-Dichloropropene	5.66	75	9348	4.931	ug/l #	49
38) Carbon Tetrachloride	5.67	117	12876	6.785	ug/l #	16
40) Benzene	6.14	78	13339	2.414	ug/l	93
51) 4-Methyl-2-Pentanone	8.71	43	871	0.383	ug/l #	1
65) Chlorobenzene	10.14	112	115260	31.390	ug/l	100
74) N-amyl acetate	10.94	43	101	1.281	ug/l #	44
76) 1,2,3-Trichloropropane	11.13	75	37354	18.428	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	37354	58.733	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.80	105	127	Below Cal	#	31
87) 1,3-Dichlorobenzene	12.03	146	790	0.254	ug/l	92
88) 1,4-Dichlorobenzene	12.03	146	790	0.248	ug/l	93
95) Naphthalene	13.84	128	94	1.190	ug/l #	69

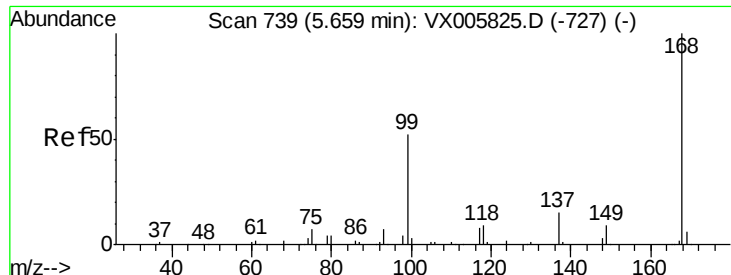
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX006046.D

Acq: 16 Nov 2018 13:35

Instrument :

MSVOA_X

ClientSampleId :

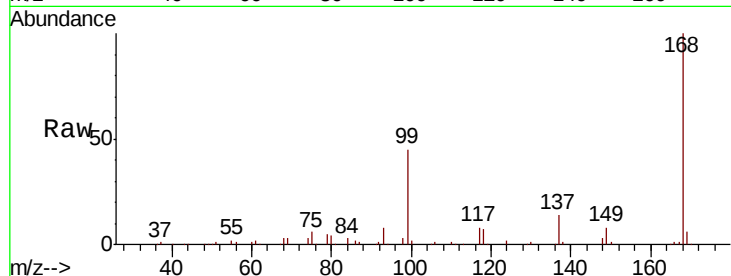
S36-0149

Tot Ion:168 Resp: 139048

Ion Ratio Lower Upper

168 100

99 45.2 40.7 61.1

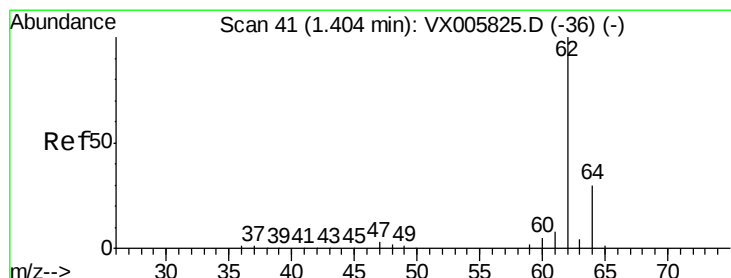
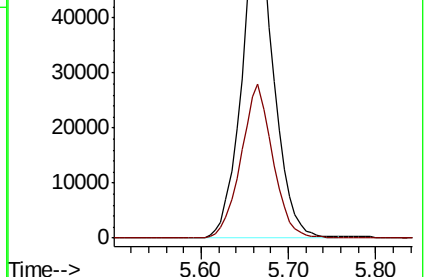
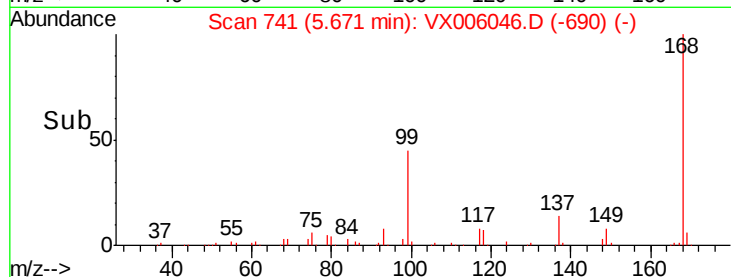


Abundance Ion 167.90 (167.60 to 168.60): VX005825.D (-727) (-)

Ion 98.90 (98.60 to 99.60): VX005825.D (-727) (-)

5.67

Time-->



#4

Vinyl Chloride

Concen: 28.555 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX006046.D

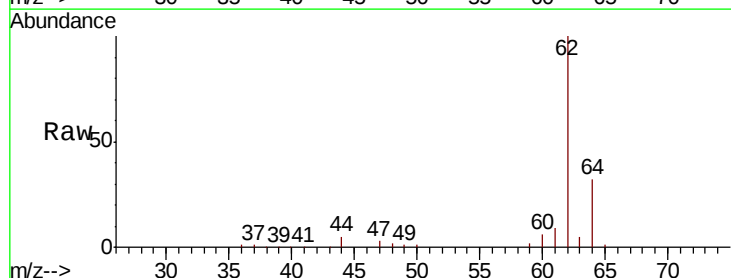
Acq: 16 Nov 2018 13:35

Tgt Ion: 62 Resp: 47165

Ion Ratio Lower Upper

62 100

64 31.8 25.3 37.9

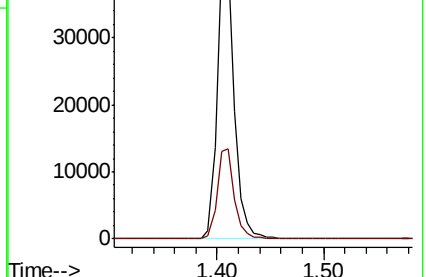
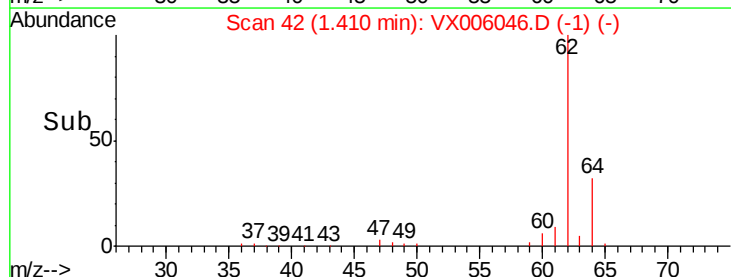


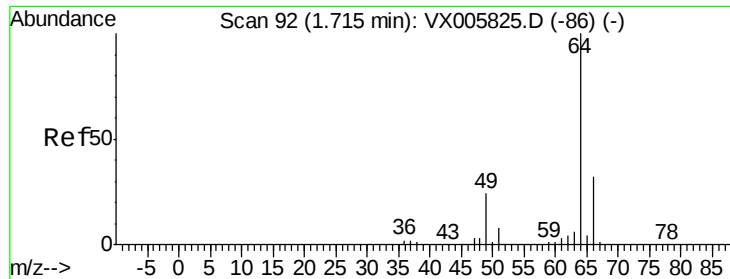
Abundance Ion 61.90 (61.60 to 62.60): VX005825.D (-36) (-)

Ion 63.90 (63.60 to 64.60): VX005825.D (-36) (-)

1.41

Time-->





#6

Chloroethane

Concen: 0.348 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX006046.D

Acq: 16 Nov 2018 13:35

Instrument :

MSVOA_X

ClientSampled :

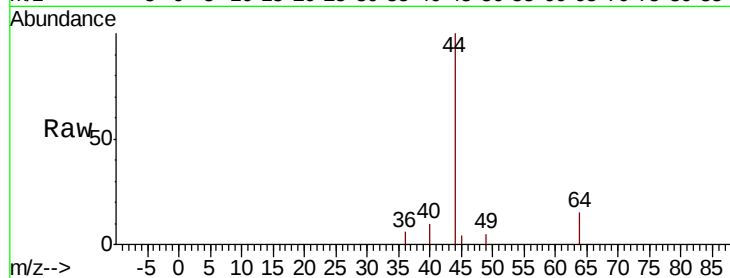
S36-0149

Tot Ion: 64 Resp: 343

Ion Ratio Lower Upper

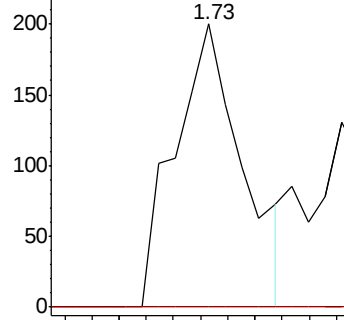
64 100

66 0.0 25.8 38.6#

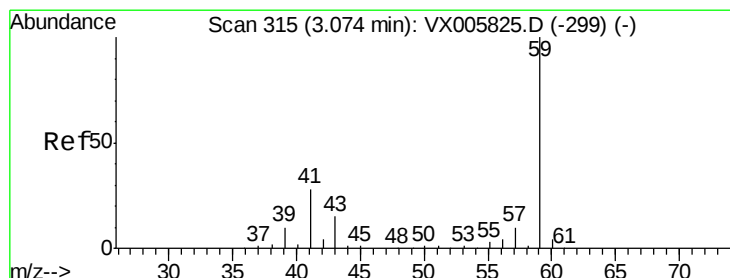
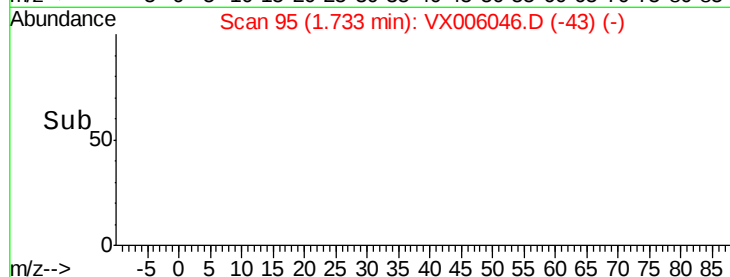


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->



#11

Tert butyl alcohol

Concen: 0.587 ug/l

RT: 3.06 min Scan# 313

Delta R.T. -0.01 min

Lab File: VX006046.D

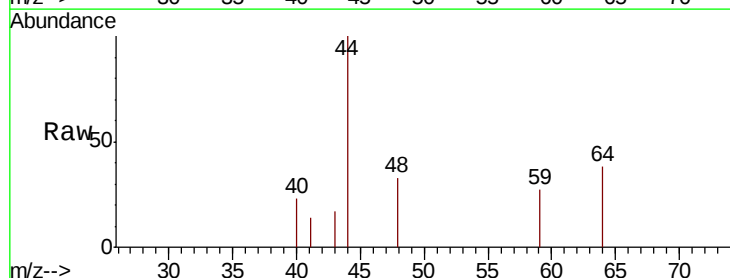
Acq: 16 Nov 2018 13:35

Tgt Ion: 59 Resp: 269

Ion Ratio Lower Upper

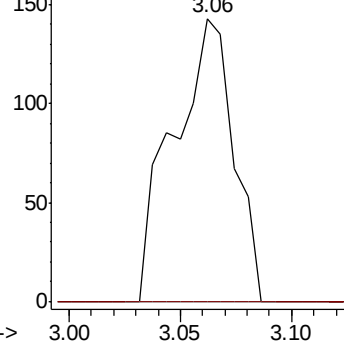
59 100

57 0.0 8.5 12.7#

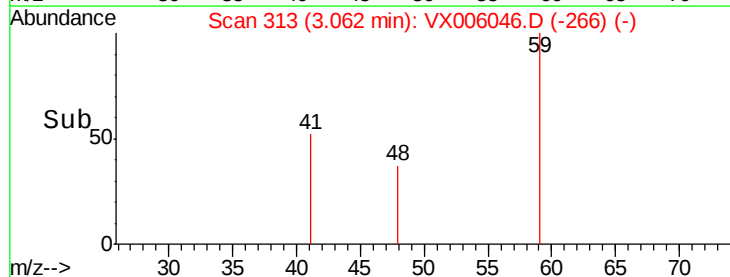


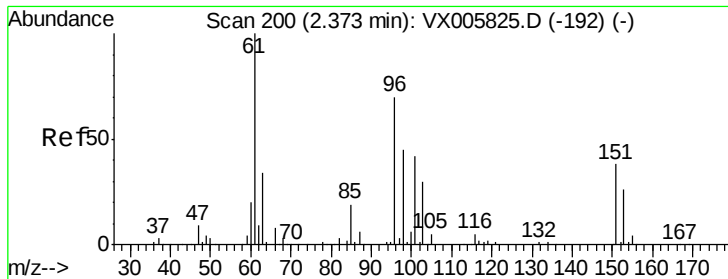
Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



Time-->





#12

1,1-Dichloroethene

Concen: 0.207 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX006046.D

Acq: 16 Nov 2018 13:35

Instrument :

MSVOA_X

ClientSampled :

S36-0149

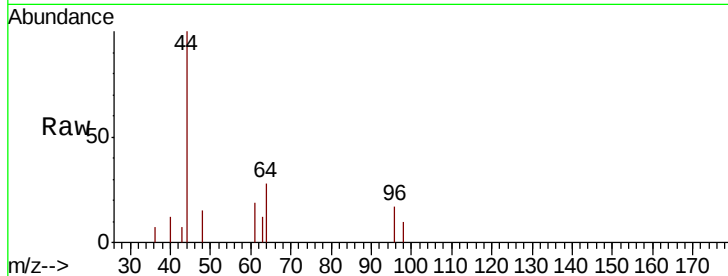
Tot Ion: 96 Resp: 254

Ion Ratio Lower Upper

96 100

61 110.6 131.8 197.8#

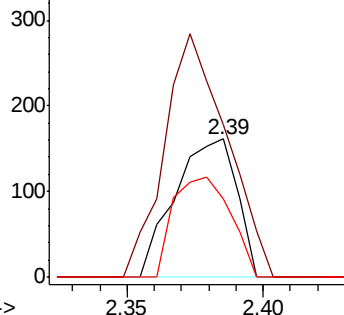
98 57.1 53.4 80.2



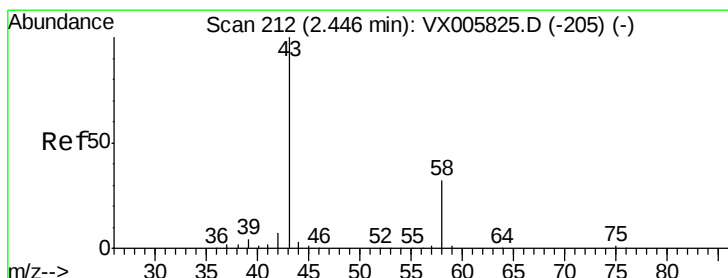
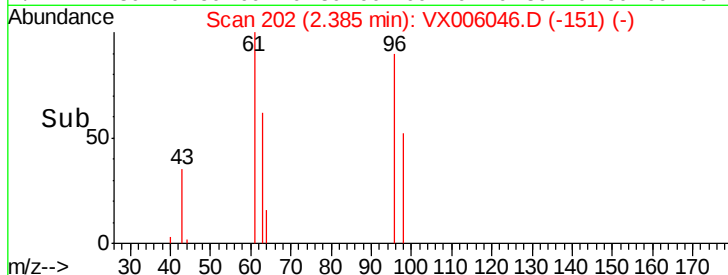
Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



Time-->



#16

Acetone

Concen: 1.573 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006046.D

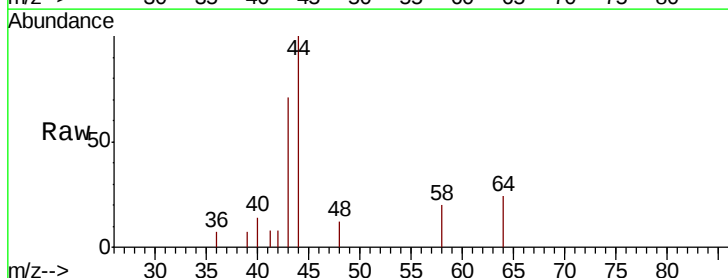
Acq: 16 Nov 2018 13:35

Tgt Ion: 43 Resp: 1354

Ion Ratio Lower Upper

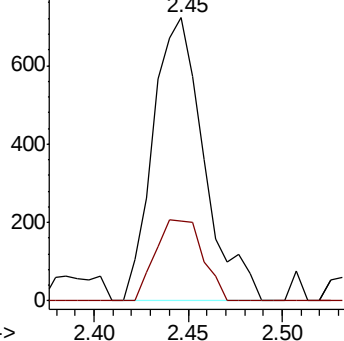
43 100

58 28.3 23.8 35.6

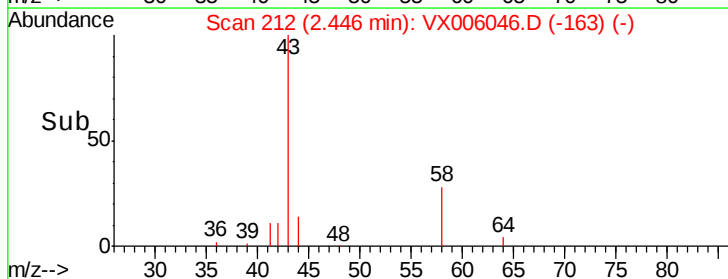


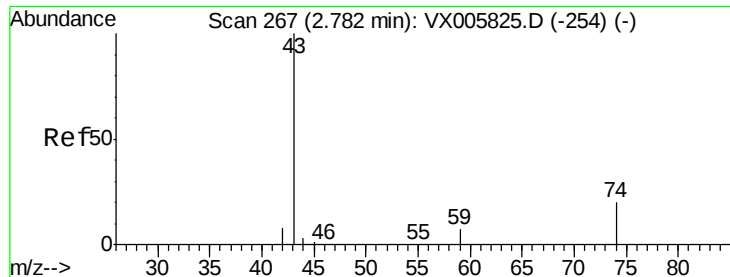
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#18

Methyl Acetate

Concen: Below Cal

RT: 2.79 min Scan# 268

Delta R.T. 0.01 min

Lab File: VX006046.D

Acq: 16 Nov 2018 13:35

Instrument :

MSVOA_X

ClientSampleId :

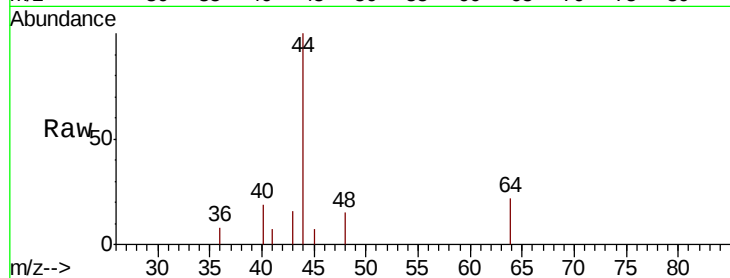
S36-0149

Tot Ion: 43 Resp: 406

Ion Ratio Lower Upper

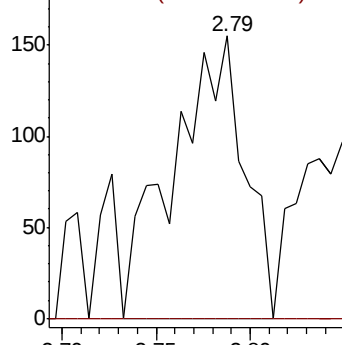
43 100

74 0.0 16.8 25.2#

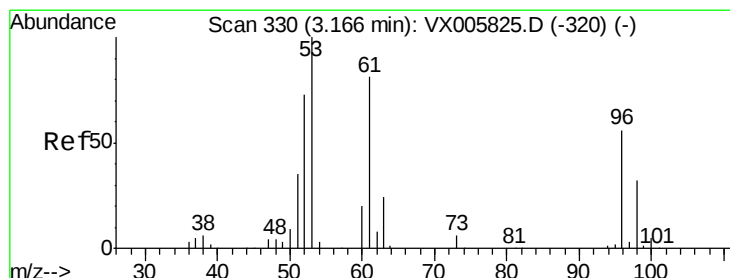
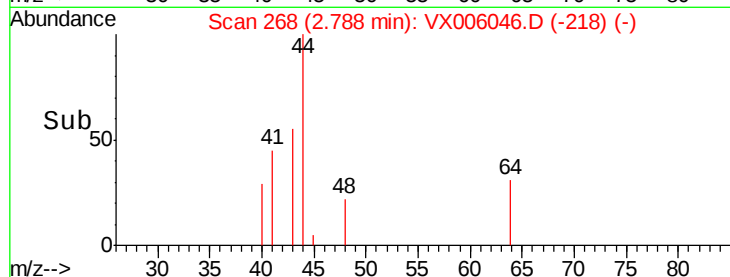


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



Time-->



#21

trans-1,2-Dichloroethene

Concen: 4.229 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006046.D

Acq: 16 Nov 2018 13:35

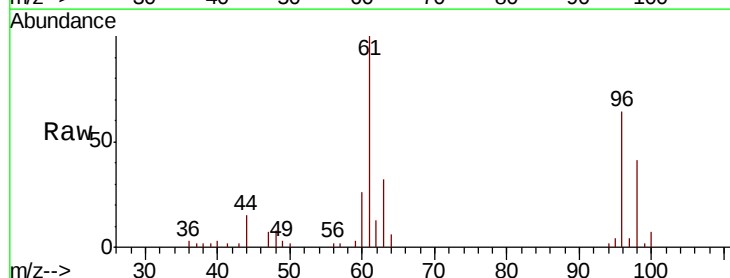
Tgt Ion: 96 Resp: 5482

Ion Ratio Lower Upper

96 100

61 156.2 115.6 173.4

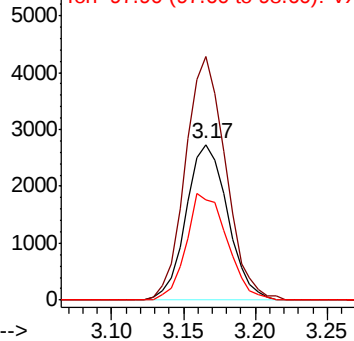
98 64.4 50.2 75.2



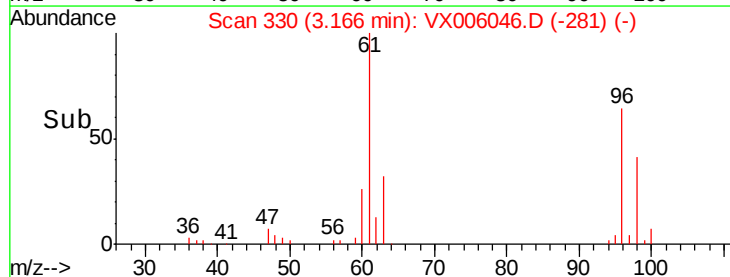
Abundance Ion 95.90 (95.60 to 96.60): VX0

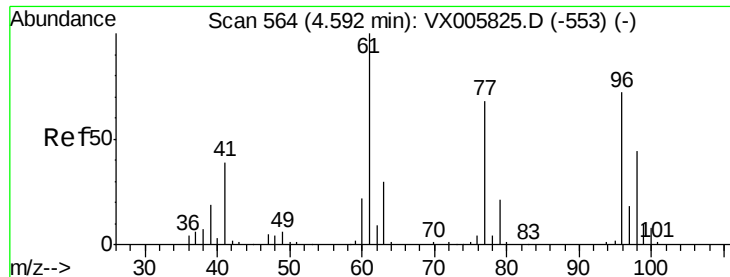
Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



Time-->



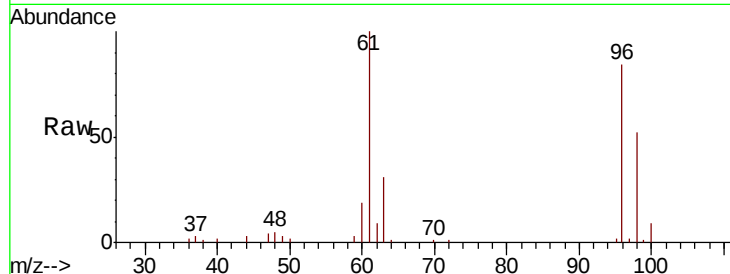


#27

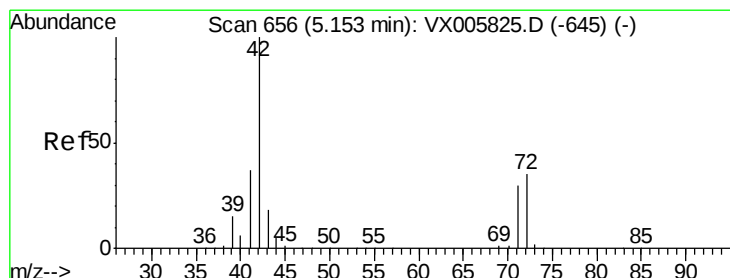
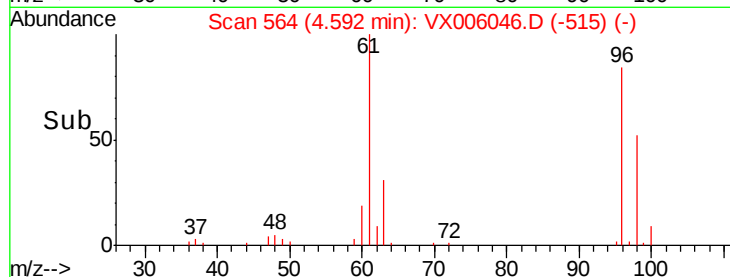
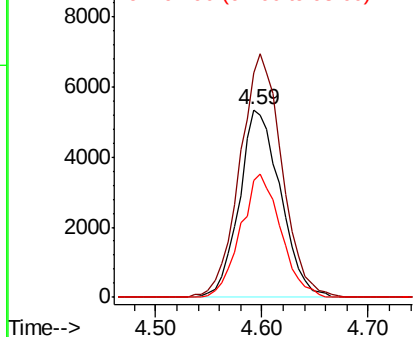
cis-1,2-Dichloroethene
 Concen: 10.127 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.00 min
 Lab File: VX006046.D
 Acq: 16 Nov 2018 13:35

Instrument :
 MSVOA_X
 ClientSampled :
 S36-0149

Tot Ion: 96 Resp: 14496
 Ion Ratio Lower Upper
 96 100
 61 132.7 0.0 304.6
 98 64.3 0.0 127.4



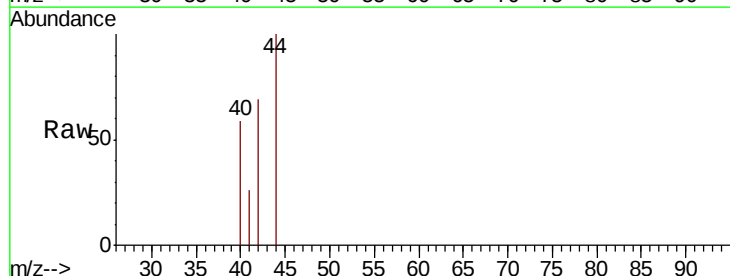
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



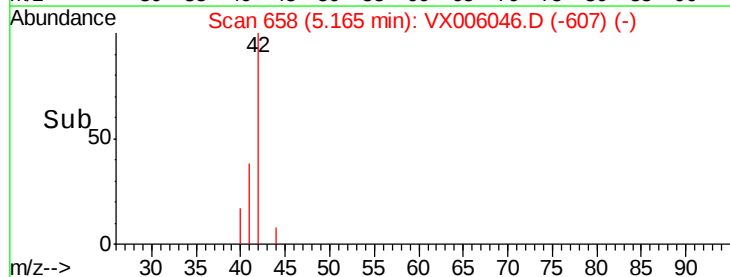
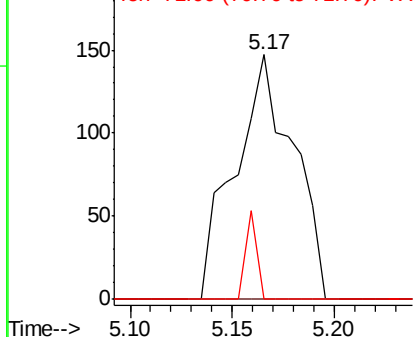
#29

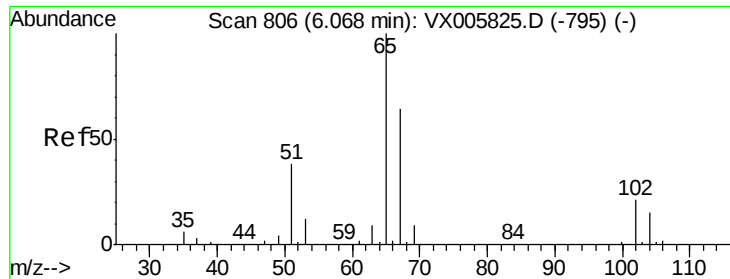
Tetrahydrofuran
 Concen: 0.340 ug/l
 RT: 5.17 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VX006046.D
 Acq: 16 Nov 2018 13:35

Tgt Ion: 42 Resp: 295
 Ion Ratio Lower Upper
 42 100
 72 0.0 32.0 48.0#
 71 6.4 29.8 44.8#



Abundance Ion 42.00 (41.70 to 42.70): VX0
 Ion 72.00 (71.70 to 72.70): VX0
 Ion 71.00 (70.70 to 71.70): VX0

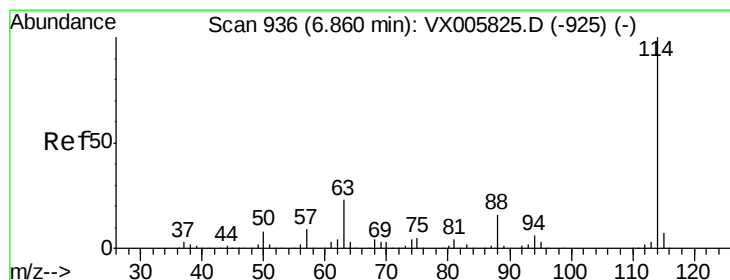
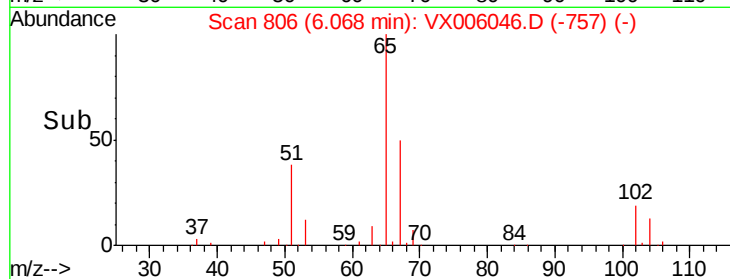
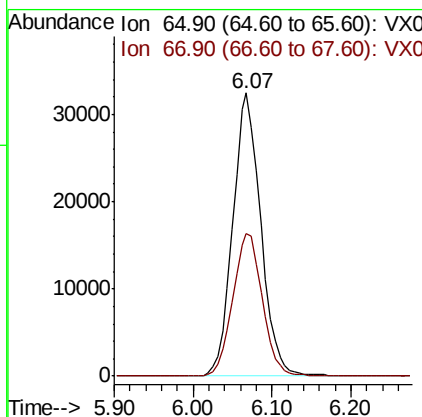
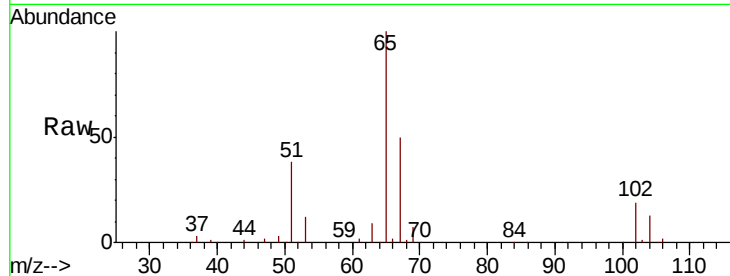




#33
 1,2-Dichloroethane-d4
 Concen: 50.072 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX006046.D
 Acq: 16 Nov 2018 13:35

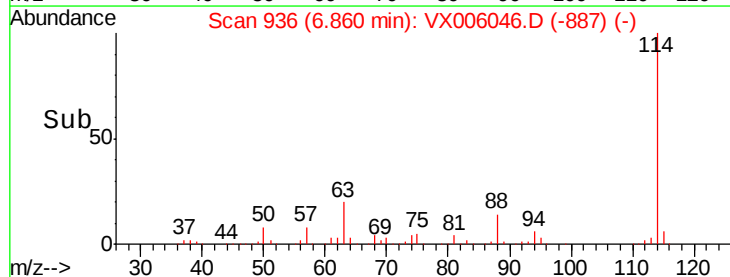
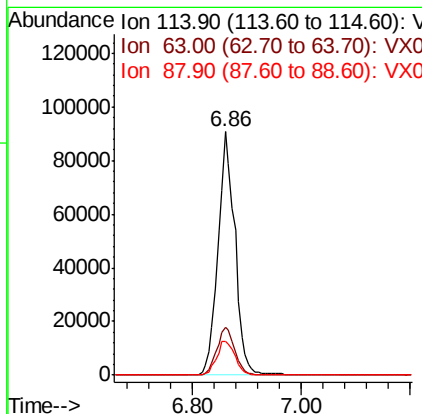
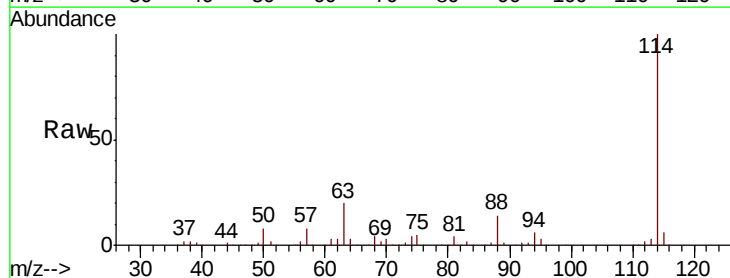
Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0149

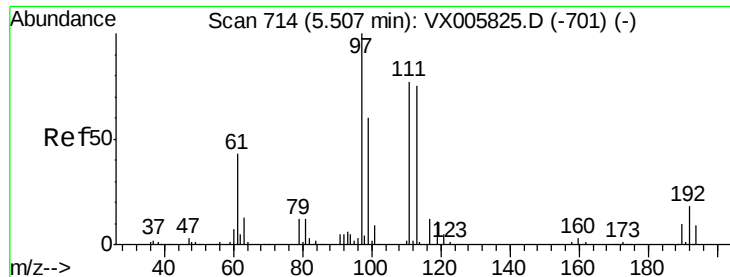
Tot Ion: 65 Resp: 80042
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006046.D
 Acq: 16 Nov 2018 13:35

Tgt Ion: 114 Resp: 196634
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 42.8
 88 13.8 0.0 31.2

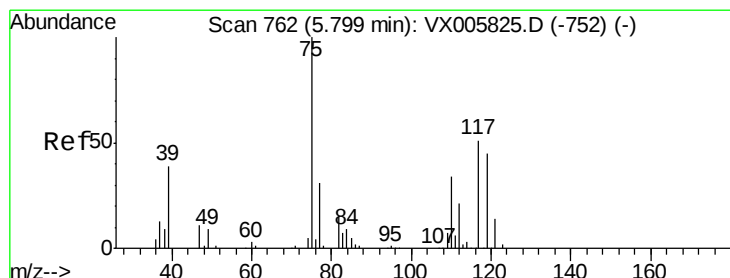
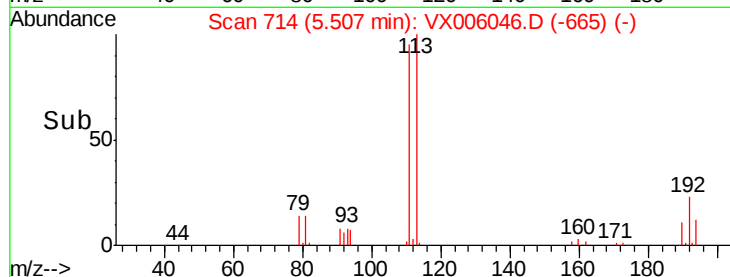
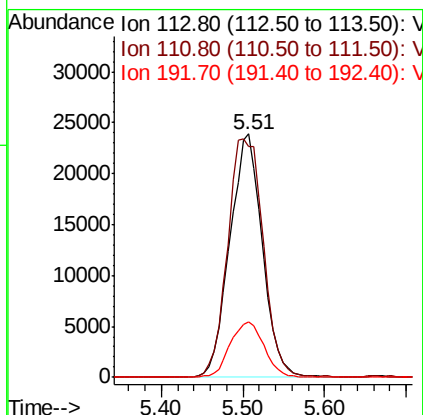
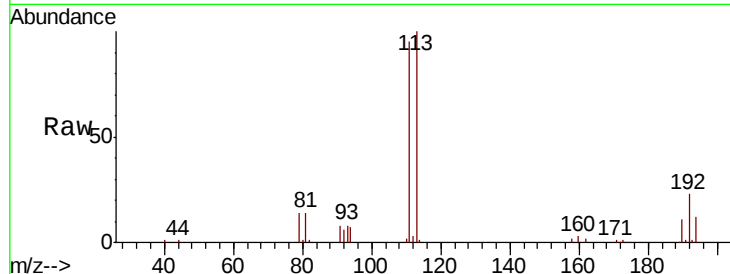




#35
 Dibromofluoromethane
 Concen: 49.262 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. -0.00 min
 Lab File: VX006046.D
 Acq: 16 Nov 2018 13:35

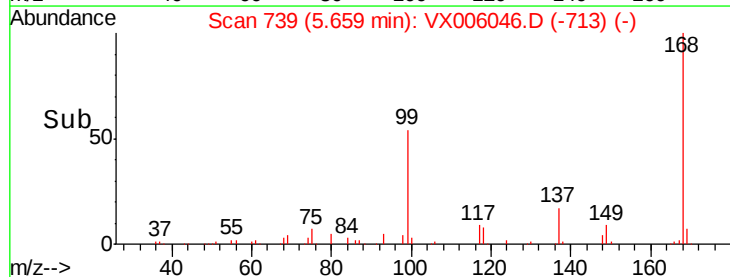
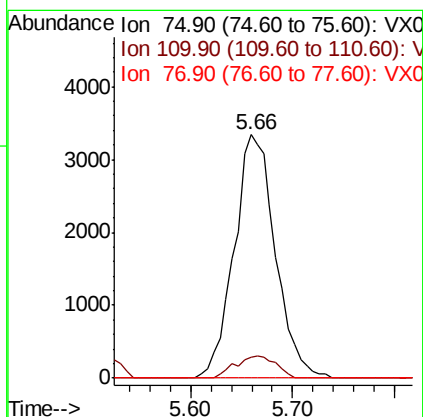
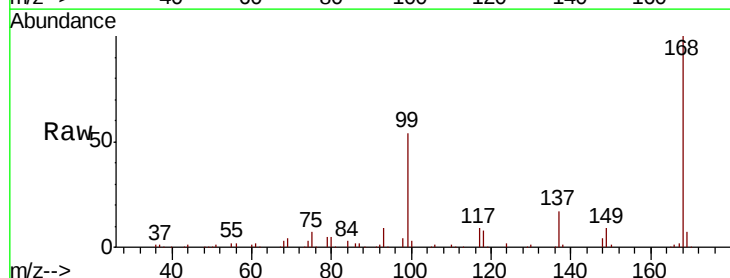
Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0149

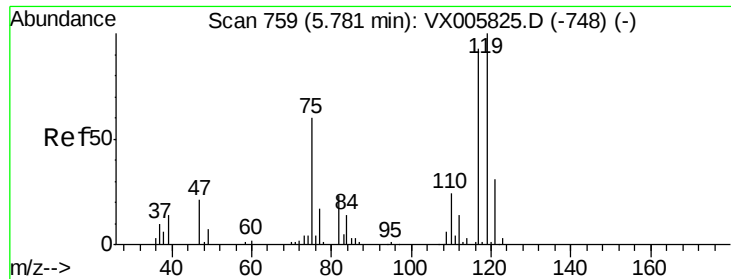
Tot Ion:113 Resp: 65884
 Ion Ratio Lower Upper
 113 100
 111 107.4 82.3 123.5
 192 23.9 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 4.931 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX006046.D
 Acq: 16 Nov 2018 13:35

Tgt Ion: 75 Resp: 9348
 Ion Ratio Lower Upper
 75 100
 110 9.0 17.4 52.2#
 77 0.0 25.8 38.6#

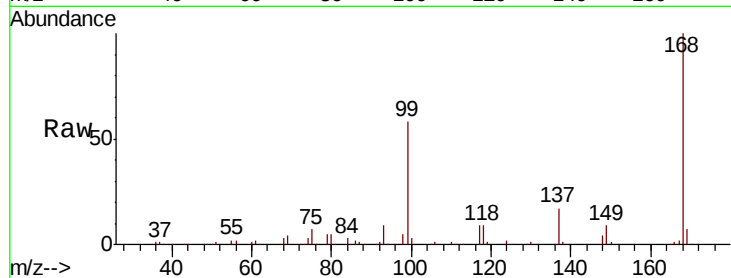




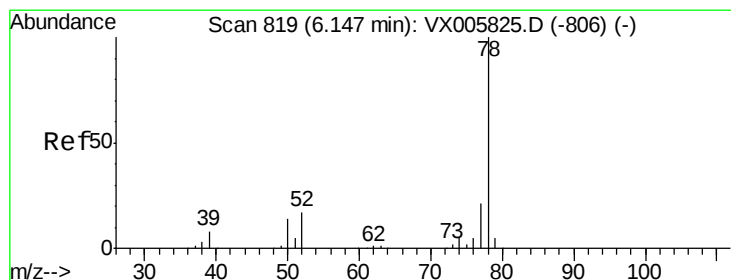
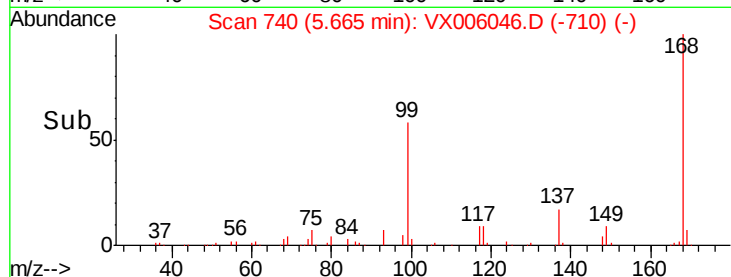
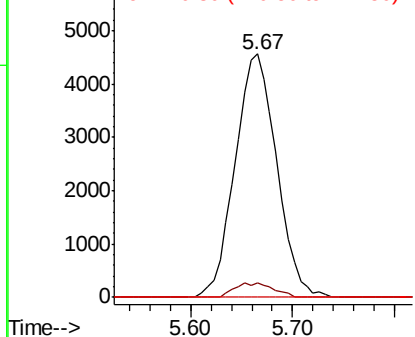
#38
Carbon Tetrachloride
Concen: 6.785 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX006046.D
Acq: 16 Nov 2018 13:35

Instrument :
MSVOA_X
ClientSampleId :
S36-0149

Tot Ion:117 Resp: 12876
Ion Ratio Lower Upper
117 100
119 5.7 78.1 117.1#
121 0.0 24.6 36.8#

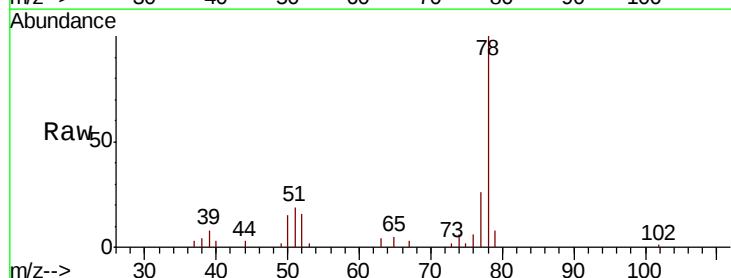


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

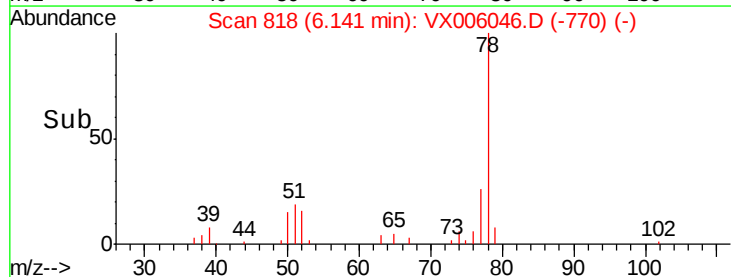
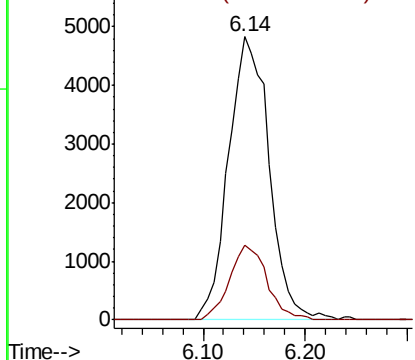


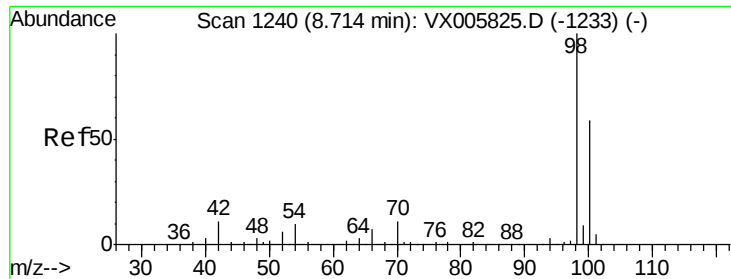
#40
Benzene
Concen: 2.414 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX006046.D
Acq: 16 Nov 2018 13:35

Tgt Ion: 78 Resp: 13339
Ion Ratio Lower Upper
78 100
77 26.4 18.4 27.6



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

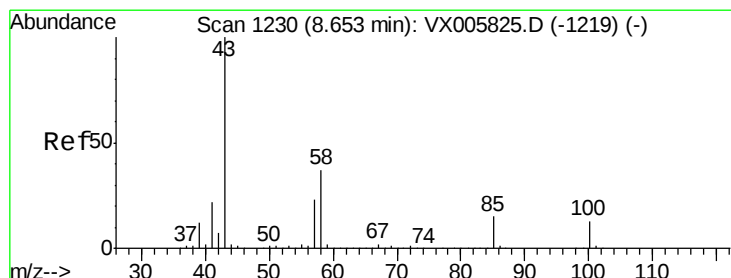
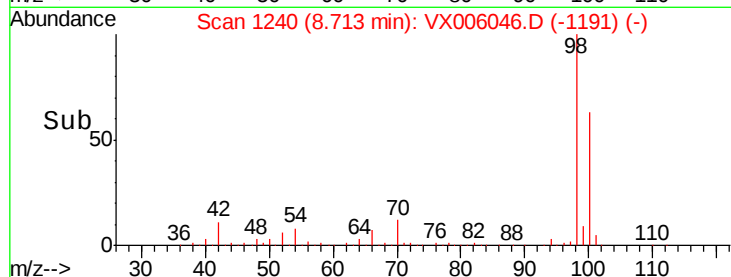
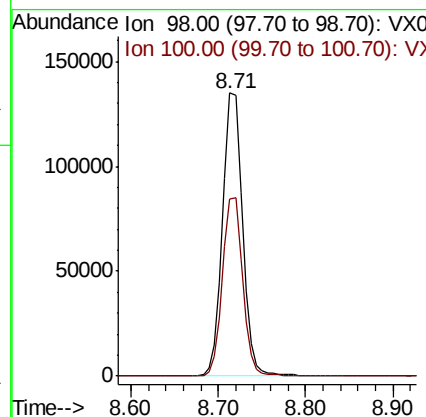
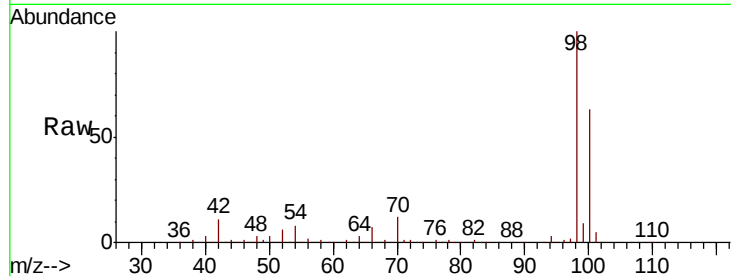




#50
Toluene-d8
Concen: 48.413 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006046.D
Acq: 16 Nov 2018 13:35

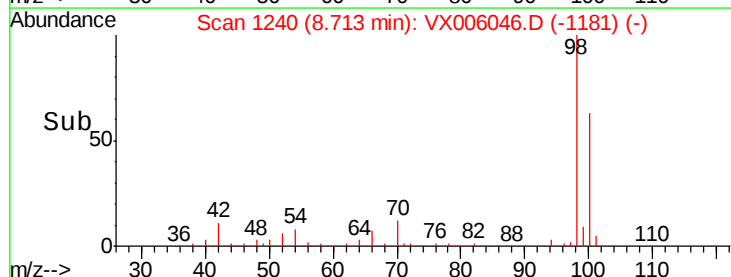
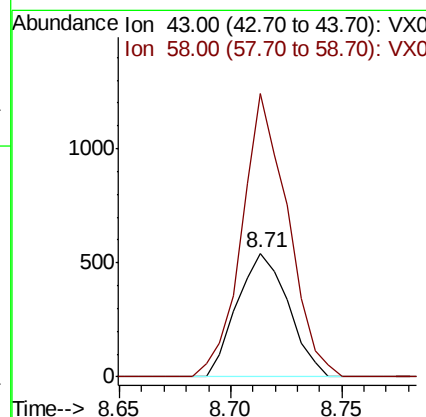
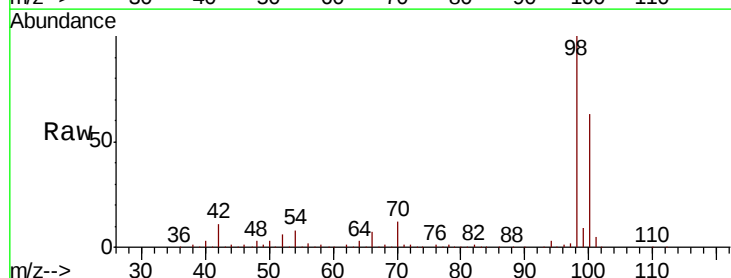
Instrument :
MSVOA_X
ClientSampled :
S36-0149

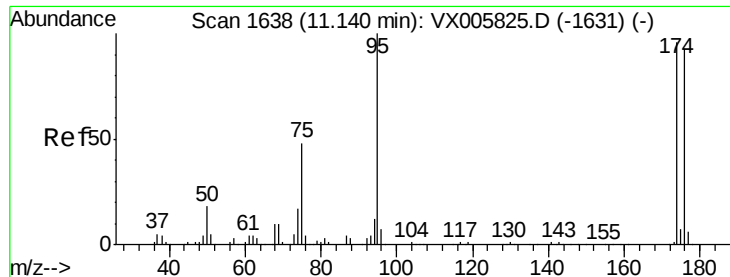
Tot Ion: 98 Resp: 215259
Ion Ratio Lower Upper
98 100
100 63.6 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 0.383 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.06 min
Lab File: VX006046.D
Acq: 16 Nov 2018 13:35

Tgt Ion: 43 Resp: 871
Ion Ratio Lower Upper
43 100
58 205.4 29.7 44.5#

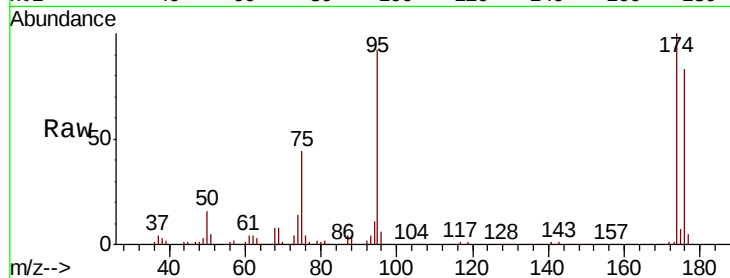




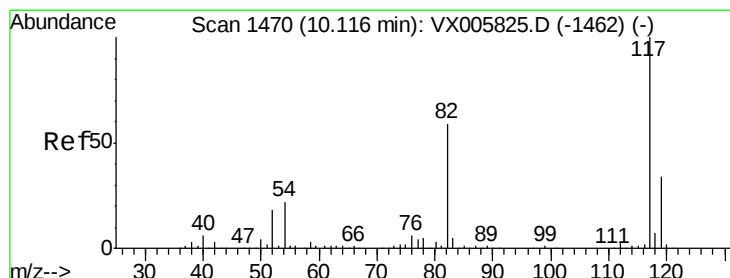
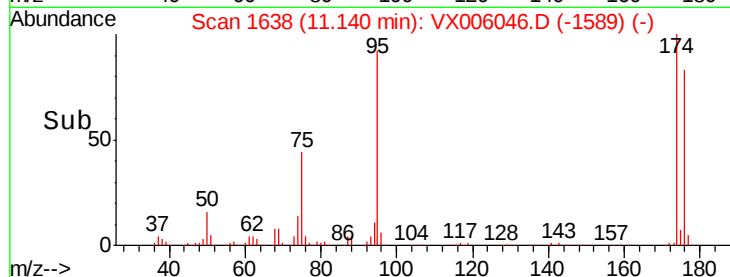
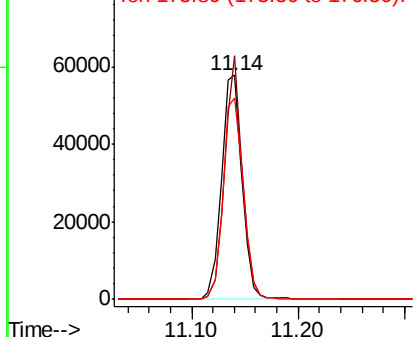
#62
4-Bromofluorobenzene
Concen: 48.572 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX006046.D
Acq: 16 Nov 2018 13:35

Instrument :
MSVOA_X
ClientSampled :
S36-0149

Tot Ion: 95 Resp: 77648
Ion Ratio Lower Upper
95 100
174 94.0 0.0 184.4
176 89.4 0.0 177.4

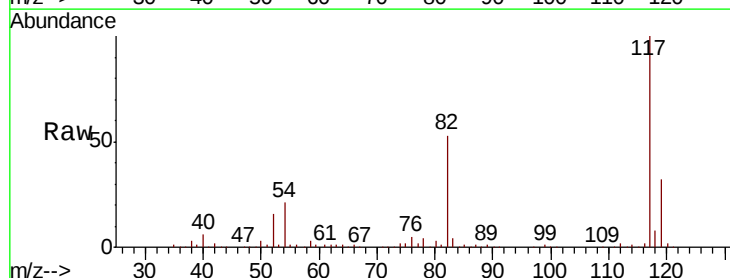


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

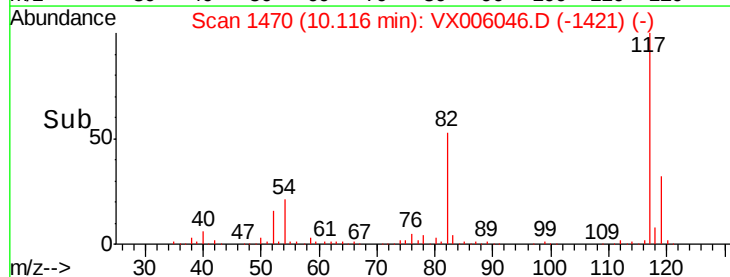
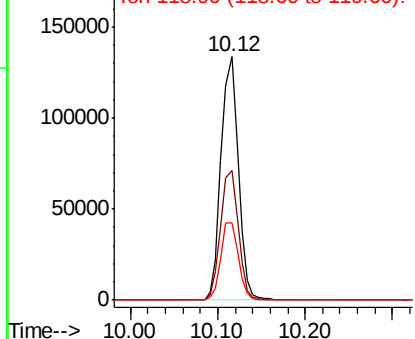


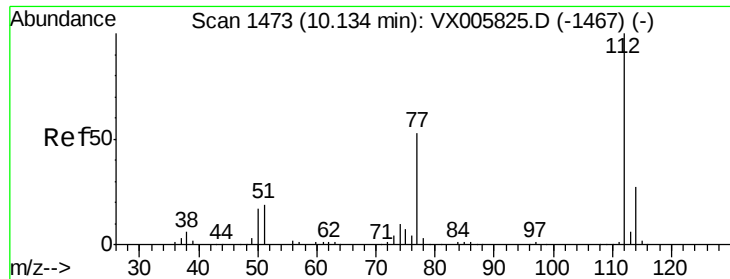
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006046.D
Acq: 16 Nov 2018 13:35

Tgt Ion: 117 Resp: 183287
Ion Ratio Lower Upper
117 100
82 53.4 44.1 66.1
119 31.6 26.2 39.2



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

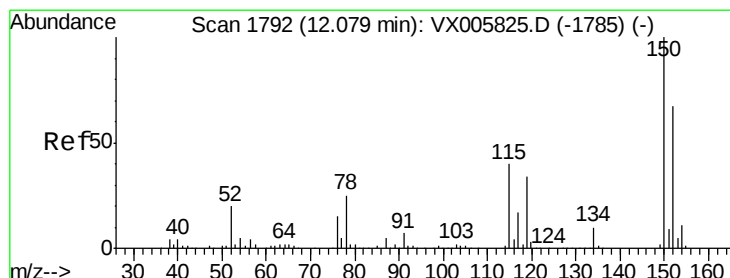
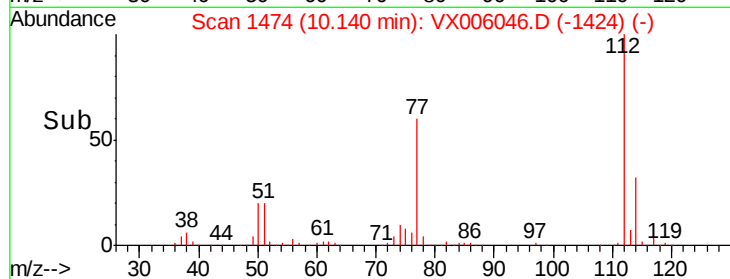
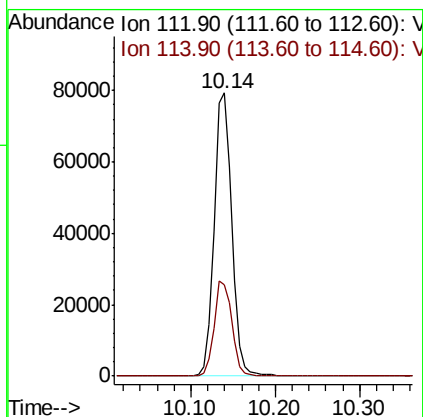
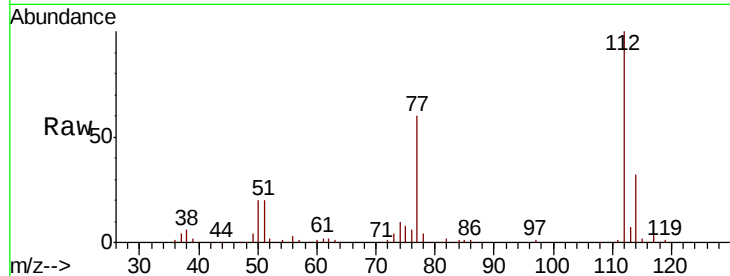




#65
Chlorobenzene
Concen: 31.390 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX006046.D
Acq: 16 Nov 2018 13:35

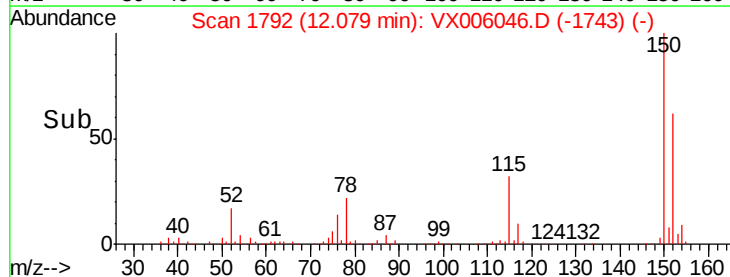
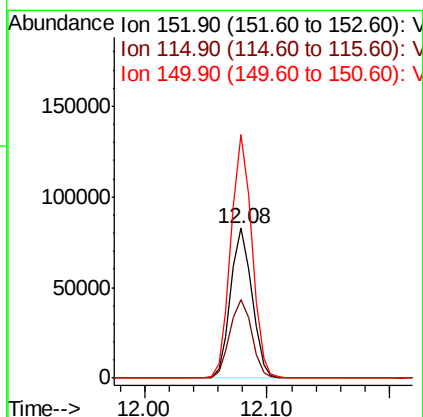
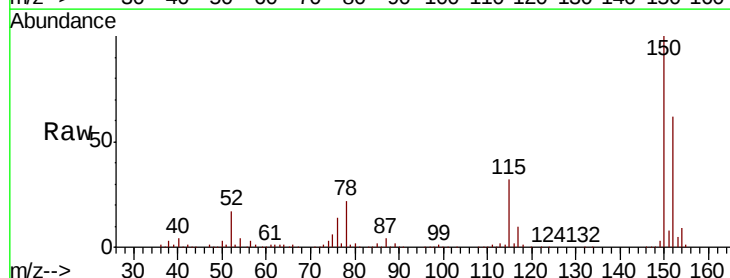
Instrument :
MSVOA_X
ClientSampled :
S36-0149

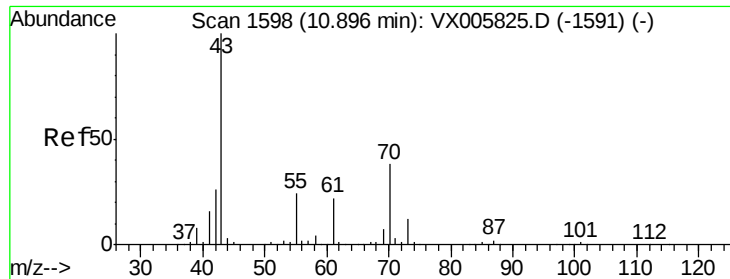
Tot Ion:112 Resp: 115260
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006046.D
Acq: 16 Nov 2018 13:35

Tgt Ion:152 Resp: 99549
Ion Ratio Lower Upper
152 100
115 54.0 39.4 118.1
150 159.1 0.0 346.4





#74

N-amyl acetate

Concen: 1.281 ug/l

RT: 10.94 min Scan# 1606

Delta R.T. 0.05 min

Lab File: VX006046.D

Acq: 16 Nov 2018 13:35

Instrument :

MSVOA_X

ClientSampled :

S36-0149

Tot Ion: 43 Resp: 101

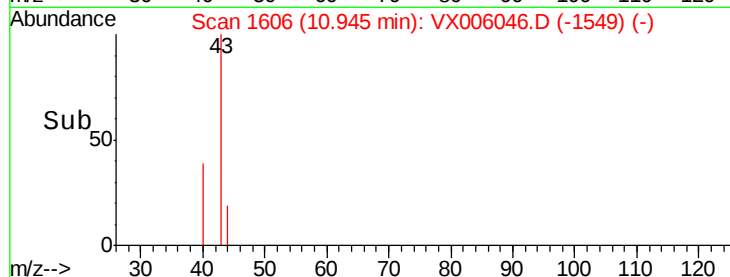
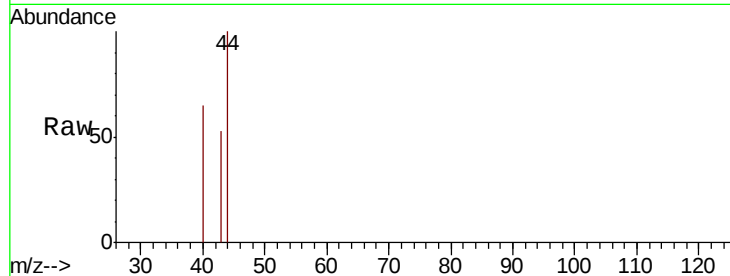
Ion Ratio Lower Upper

43 100

70 0.0 31.6 47.4#

55 0.0 19.7 29.5#

61 0.0 18.3 27.5#

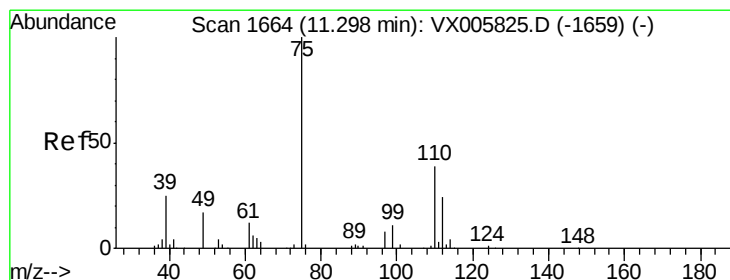
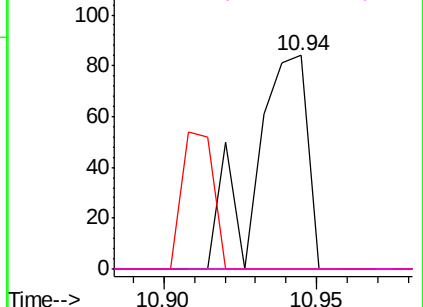


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 18.428 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006046.D

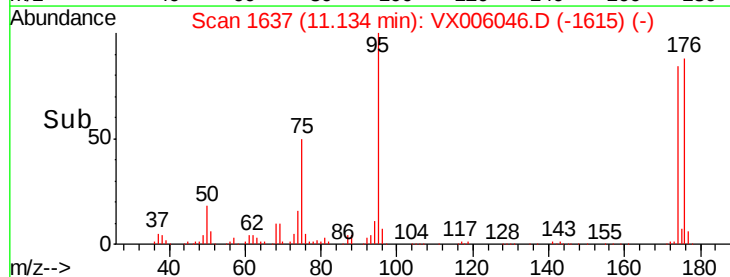
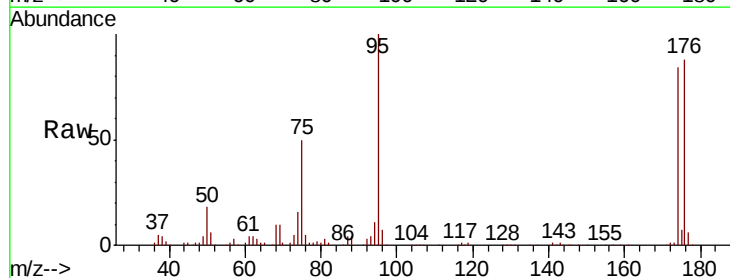
Acq: 16 Nov 2018 13:35

Tgt Ion: 75 Resp: 37354

Ion Ratio Lower Upper

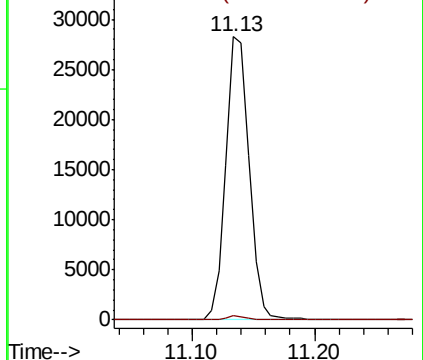
75 100

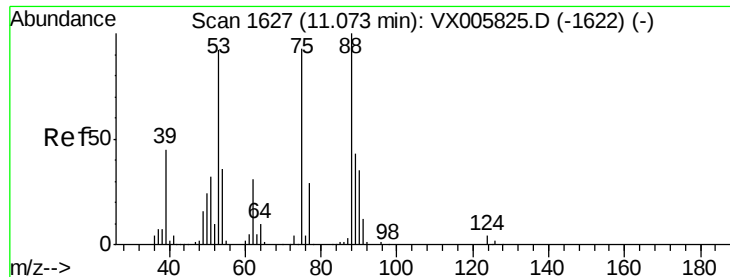
77 1.3 20.5 61.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

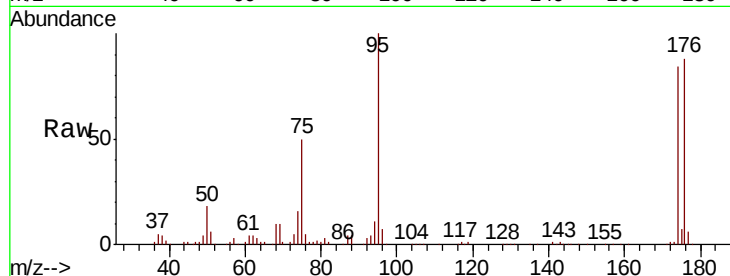




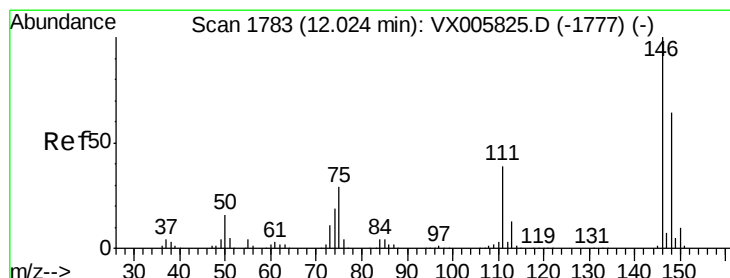
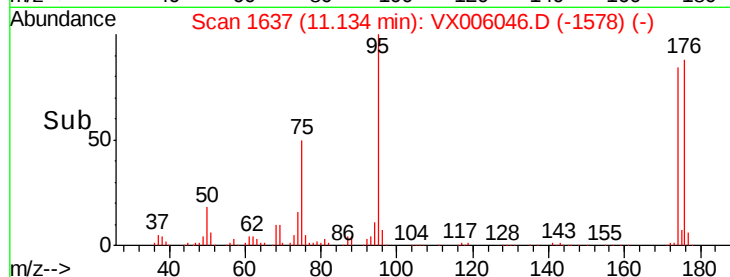
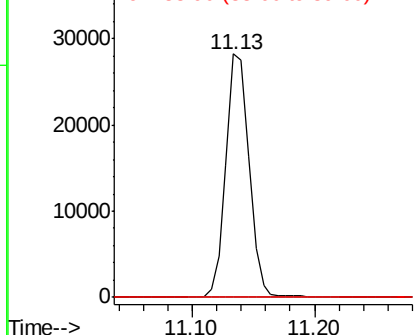
#81
trans-1,4-Dichloro-2-butene
Concen: 58.733 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX006046.D
Acq: 16 Nov 2018 13:35

Instrument :
MSVOA_X
ClientSampleId :
S36-0149

Tot Ion: 75 Resp: 37354
Ion Ratio Lower Upper
75 100
53 0.0 80.2 120.2#
89 0.0 39.8 59.8#

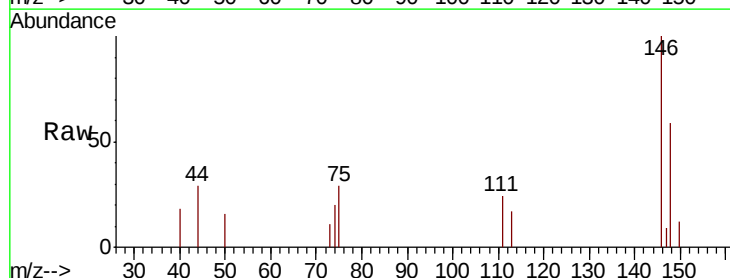


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0

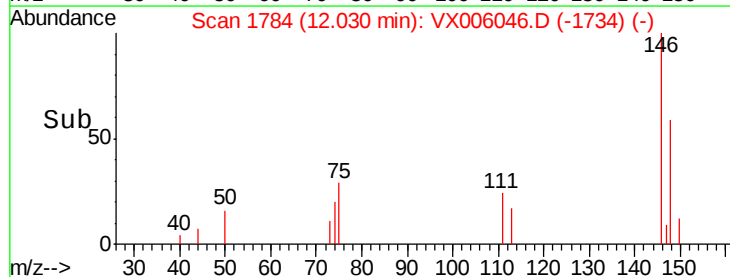
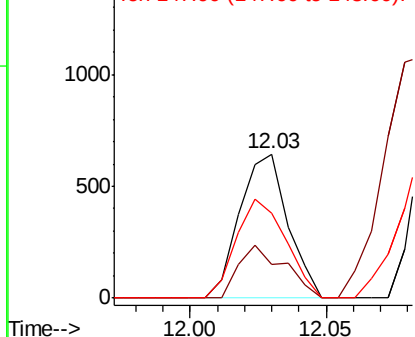


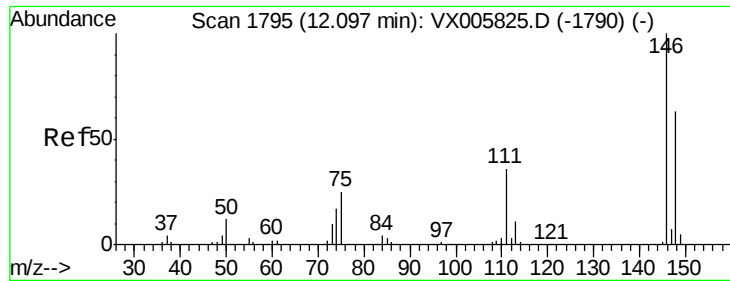
#87
1,3-Dichlorobenzene
Concen: 0.254 ug/l
RT: 12.03 min Scan# 1784
Delta R.T. 0.01 min
Lab File: VX006046.D
Acq: 16 Nov 2018 13:35

Tgt Ion: 146 Resp: 790
Ion Ratio Lower Upper
146 100
111 34.8 19.0 57.0
148 71.3 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 0.248 ug/l

RT: 12.03 min Scan# 1784

Delta R.T. -0.07 min

Lab File: VX006046.D

Acq: 16 Nov 2018 13:35

Instrument :

MSVOA_X

ClientSampleId :

S36-0149

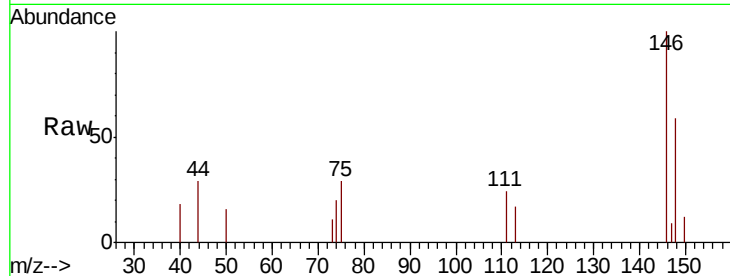
Tot Ion:146 Resp: 790

Ion Ratio Lower Upper

146 100

111 34.8 18.6 55.8

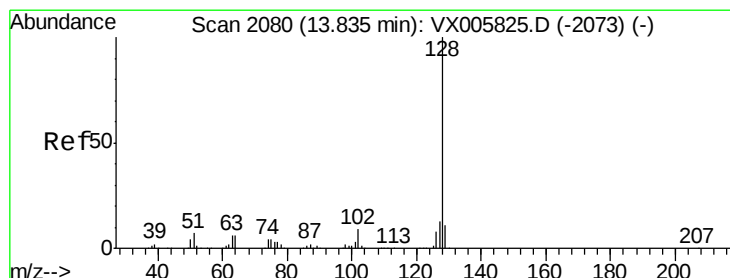
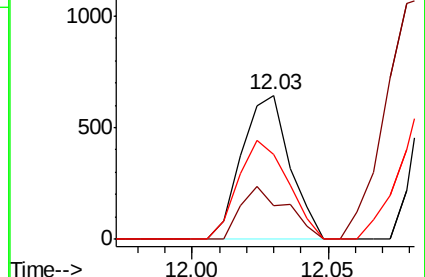
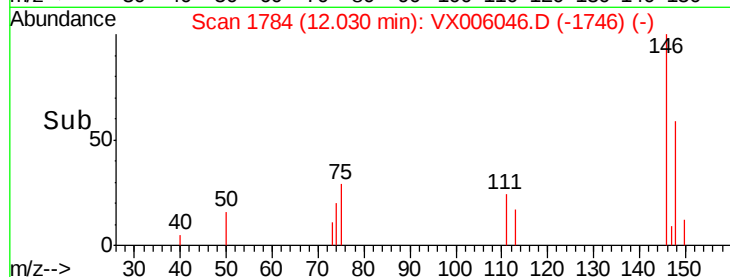
148 71.3 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#95

Naphthalene

Concen: 1.190 ug/l

RT: 13.84 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VX006046.D

Acq: 16 Nov 2018 13:35

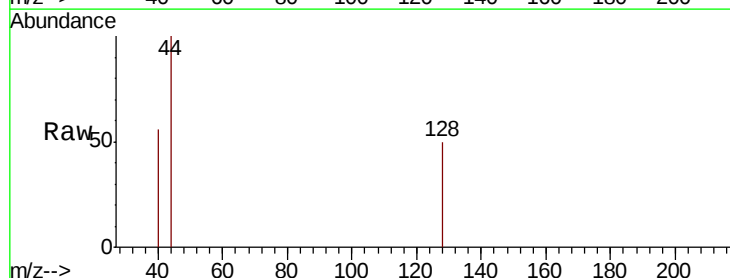
Tgt Ion:128 Resp: 94

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.7 13.1#



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

