

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111418\
 Data File : VX005968.D
 Acq On : 14 Nov 2018 12:30
 Operator : JC/MD
 Sample : VX1114WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114WBL01

Quant Time: Nov 15 00:20:42 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	91044	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	121221	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	109674	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	52448	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	54020	51.61	ug/l	0.00
Spiked Amount			Recovery	=	103.22%	
35) Dibromofluoromethane	5.49	113	46221	56.06	ug/l	-0.01
Spiked Amount			Recovery	=	112.12%	
50) Toluene-d8	8.71	98	145071	52.93	ug/l	0.00
Spiked Amount			Recovery	=	105.86%	
62) 4-Bromofluorobenzene	11.14	95	47758	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	

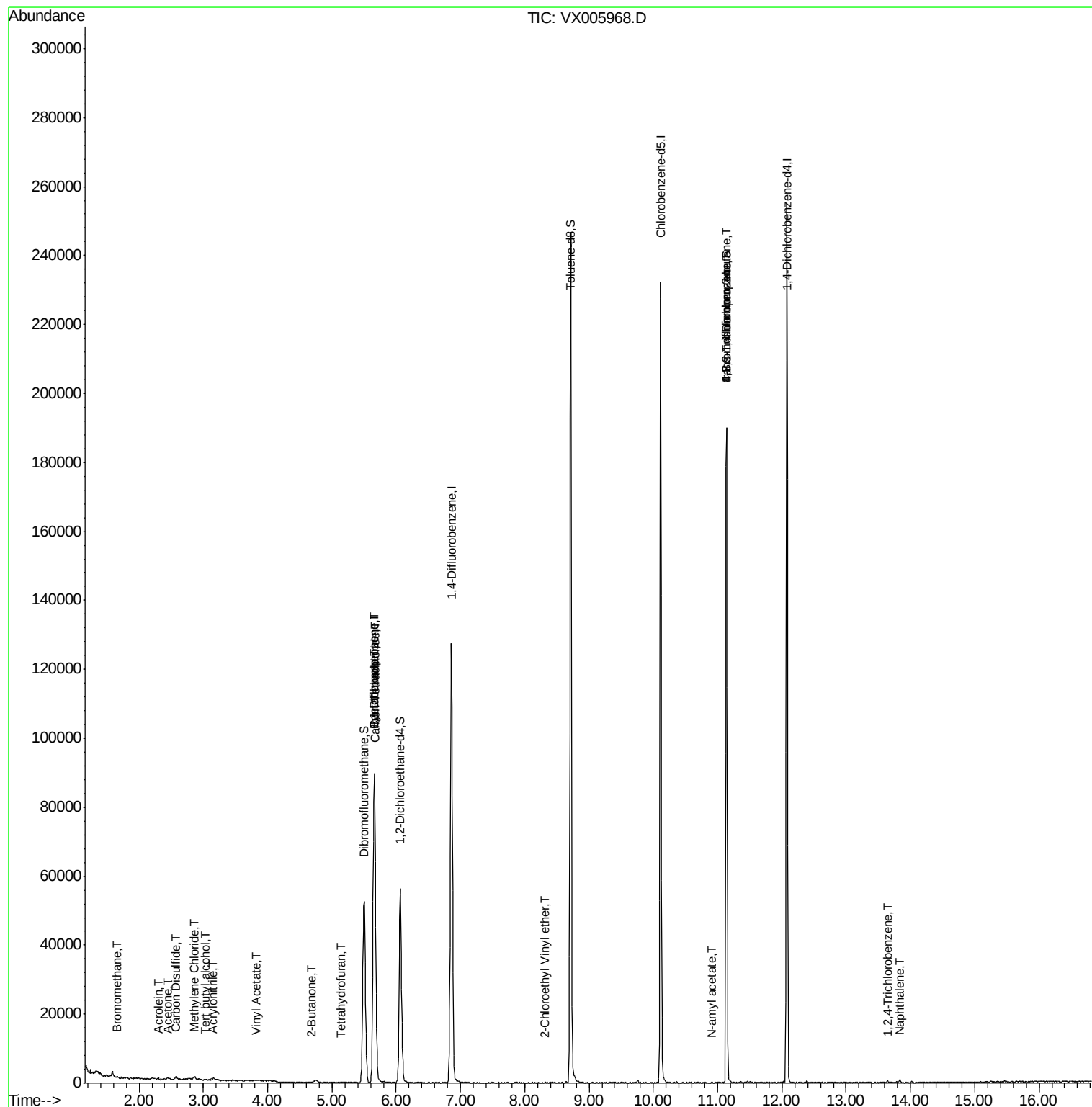
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	189	0.286	ug/l	91
11) Tert butyl alcohol	3.04	59	200	0.667	ug/l #	72
13) Acrolein	2.30	56	105	19.842	ug/l #	60
15) Acrylonitrile	3.15	53	384	0.618	ug/l #	89
16) Acetone	2.44	43	420	0.745	ug/l #	45
17) Carbon Disulfide	2.57	76	917	0.382	ug/l #	83
18) Methyl Acetate	2.78	43	406	Below Cal	#	55
20) Methylene Chloride	2.86	84	301	0.325	ug/l #	83
23) Vinyl Acetate	3.82	43	689	0.255	ug/l #	74
25) 2-Butanone	4.68	43	251	0.283	ug/l #	51
29) Tetrahydrofuran	5.15	42	289	0.508	ug/l #	36
31) Cyclohexane	5.66	56	1761	1.208	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	6053	5.180	ug/l #	50
38) Carbon Tetrachloride	5.67	117	8075	6.902	ug/l #	17
58) 2-Chloroethyl Vinyl ether	8.32	63	42	8.337	ug/l #	48
74) N-amyl acetate	10.90	43	54	1.282	ug/l #	44
76) 1,2,3-Trichloropropane	11.13	75	24602	23.037	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	24602	73.421	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.80	105	105	Below Cal		94
93) 1,2,4-Trichlorobenzene	13.65	180	250	0.216	ug/l #	82
95) Naphthalene	13.83	128	791	1.382	ug/l #	90

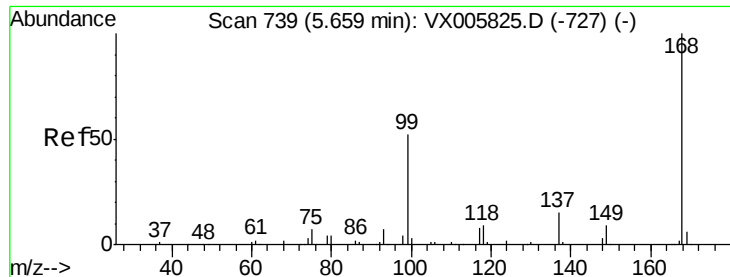
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampled :
VX1114WBL01

Quant Time: Nov 15 00:20:42 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 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: VX005968.D

Acq: 14 Nov 2018 12:30

Instrument :

MSVOA_X

ClientSampleId :

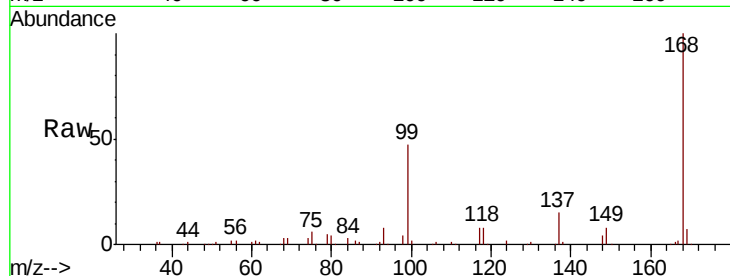
VX1114WBL01

Tot Ion:168 Resp: 91044

Ion Ratio Lower Upper

168 100

99 46.7 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

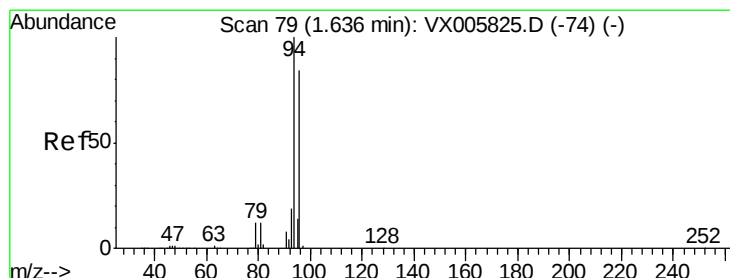
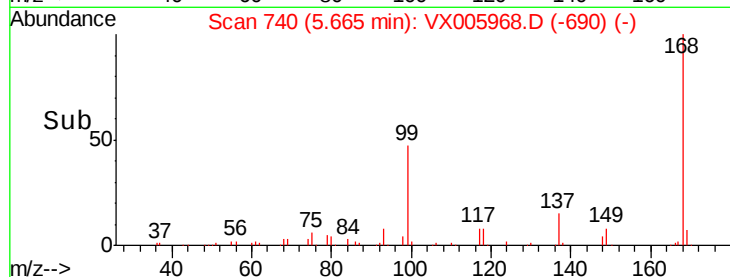
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.286 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX005968.D

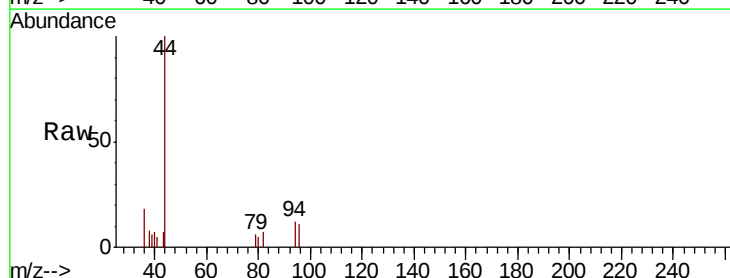
Acq: 14 Nov 2018 12:30

Tgt Ion: 94 Resp: 189

Ion Ratio Lower Upper

94 100

96 85.1 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

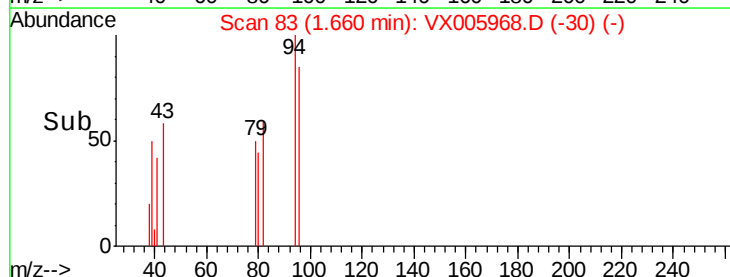
1.66

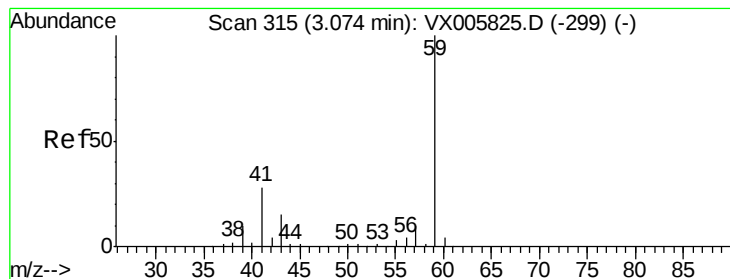
100

50

0

Time--> 1.65 1.70



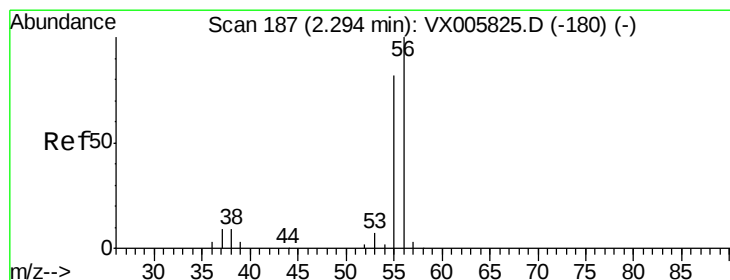
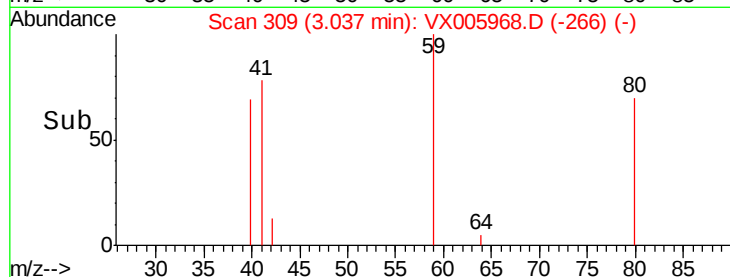
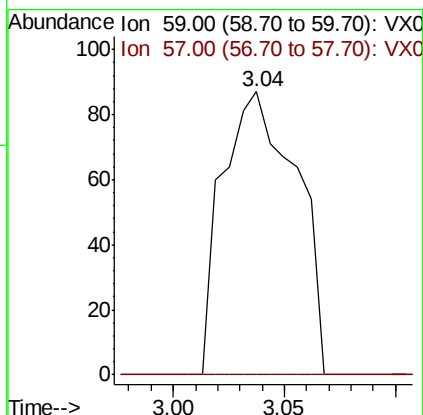
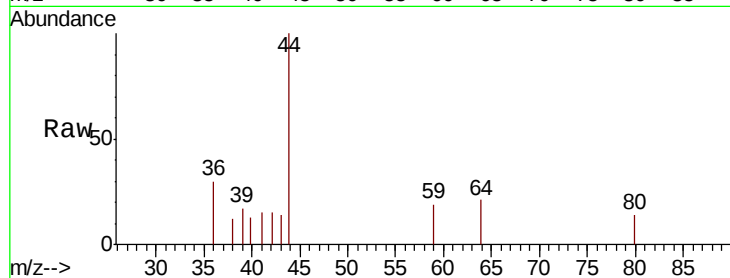


#11

Tert butyl alcohol
 Concen: 0.667 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. -0.04 min
 Lab File: VX005968.D
 Acq: 14 Nov 2018 12:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114WBL01

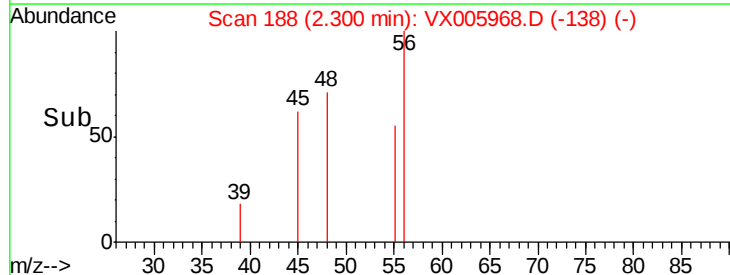
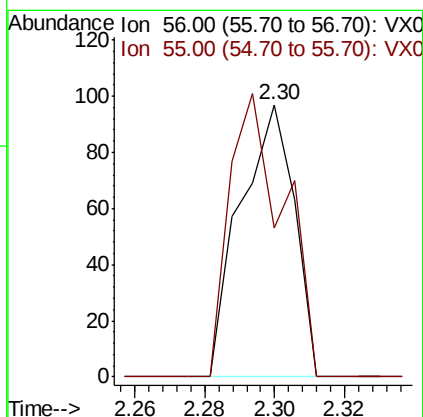
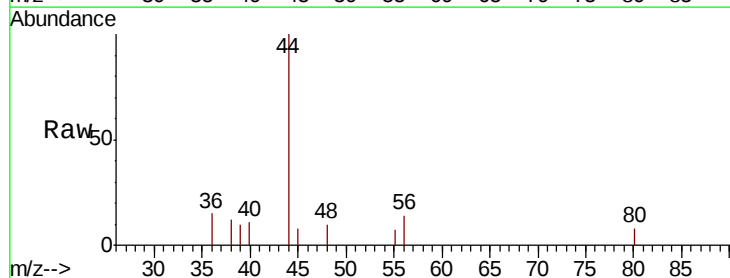
Tot Ion: 59 Resp: 200
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

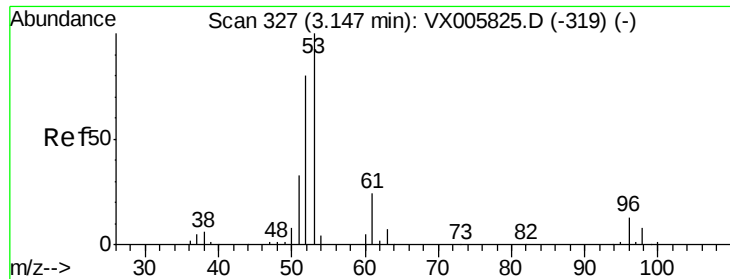


#13

Acrolein
 Concen: 19.842 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX005968.D
 Acq: 14 Nov 2018 12:30

Tgt Ion: 56 Resp: 105
 Ion Ratio Lower Upper
 56 100
 55 104.8 57.3 85.9#





#15

Acrylonitrile

Concen: 0.618 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005968.D

Acq: 14 Nov 2018 12:30

Instrument :

MSVOA_X

ClientSampled :

VX1114WBL01

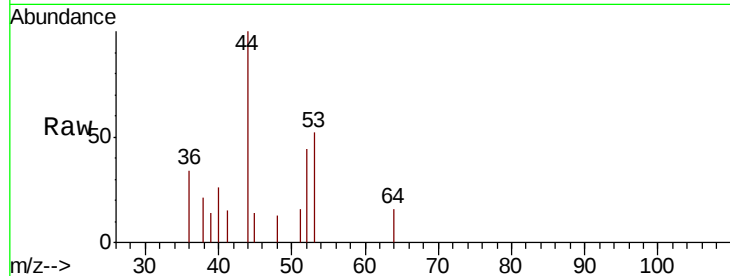
Tot Ion: 53 Resp: 384

Ion Ratio Lower Upper

53 100

52 89.6 66.6 99.8

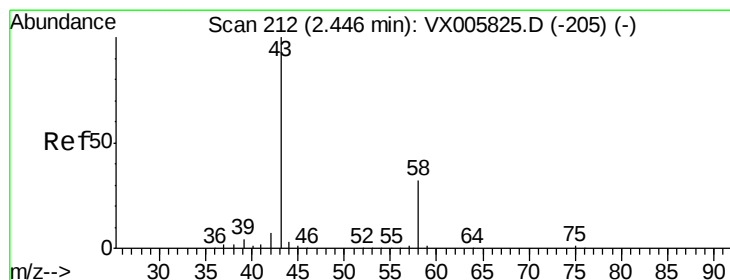
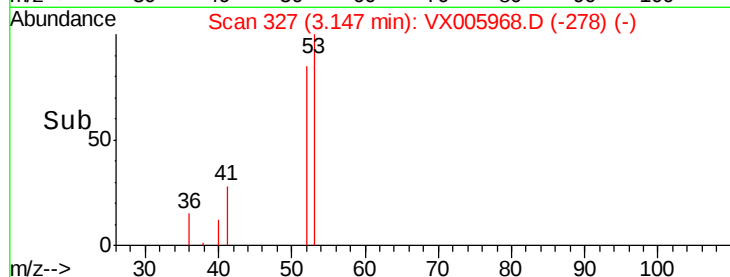
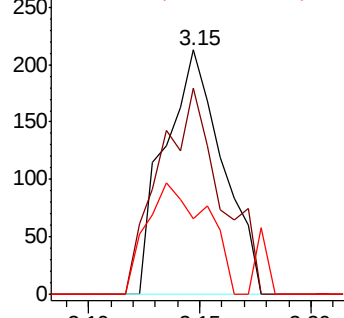
51 47.4 28.4 42.6#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.745 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005968.D

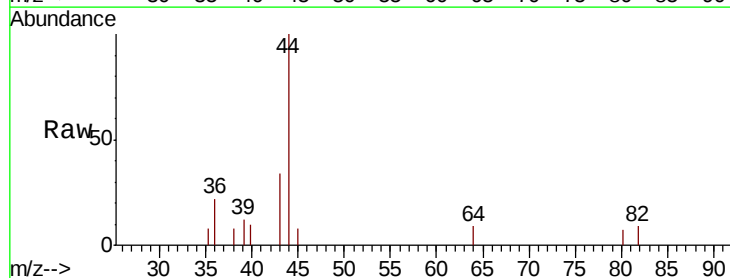
Acq: 14 Nov 2018 12:30

Tgt Ion: 43 Resp: 420

Ion Ratio Lower Upper

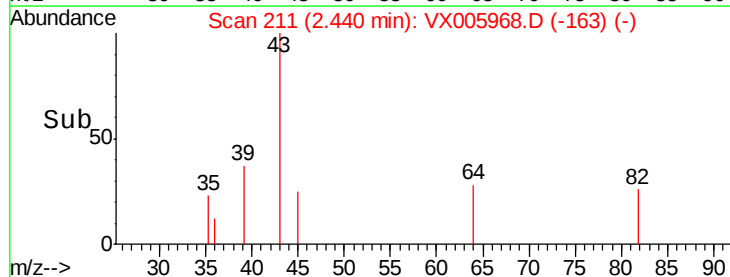
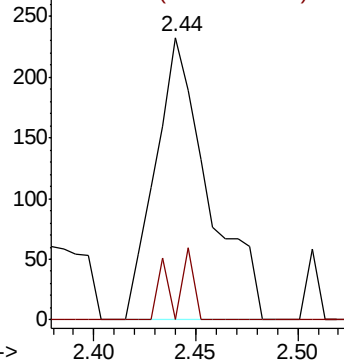
43 100

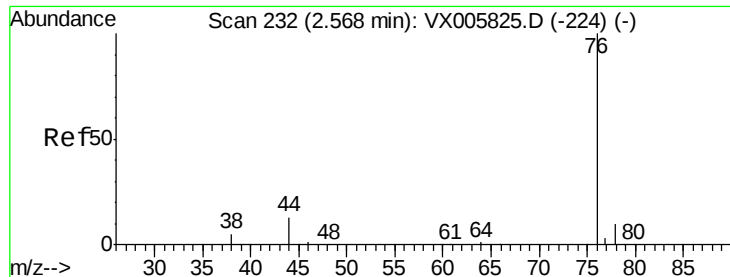
58 0.0 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

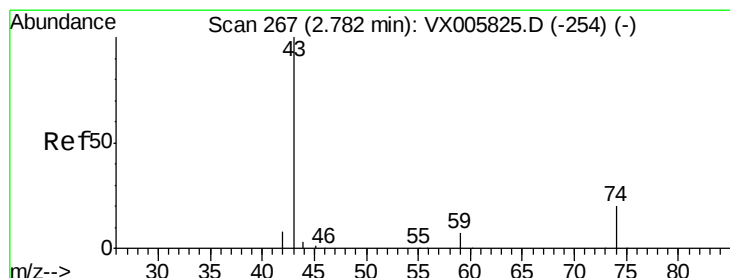
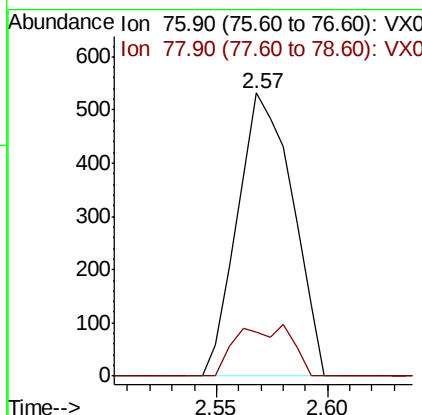
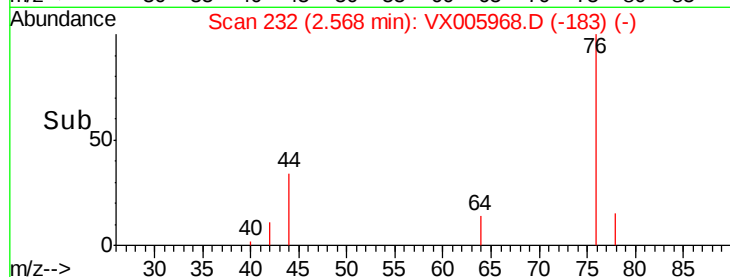
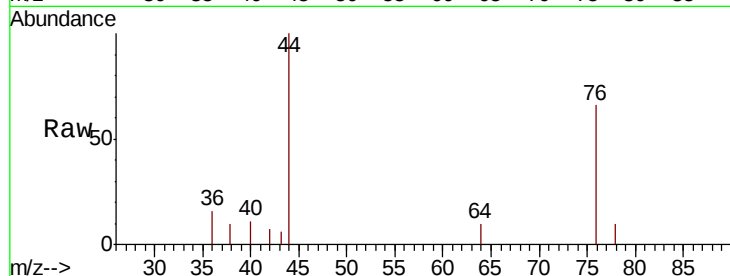




#17
Carbon Disulfide
Concen: 0.382 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005968.D
Acq: 14 Nov 2018 12:30

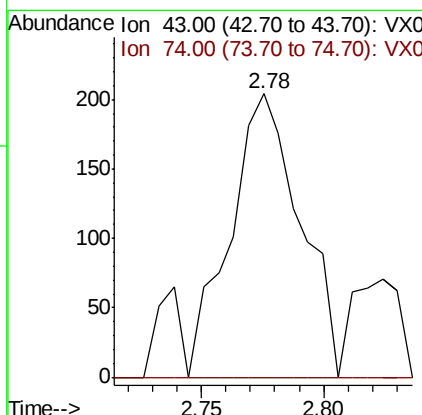
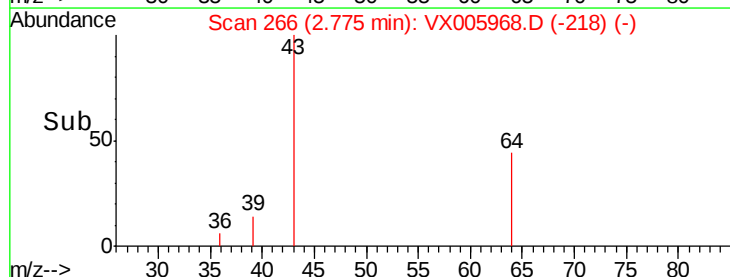
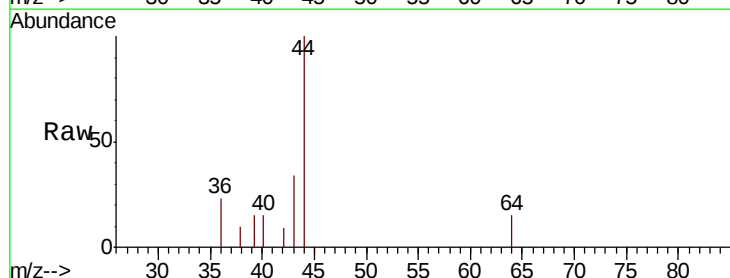
Instrument :
MSVOA_X
ClientSampleId :
VX1114WBL01

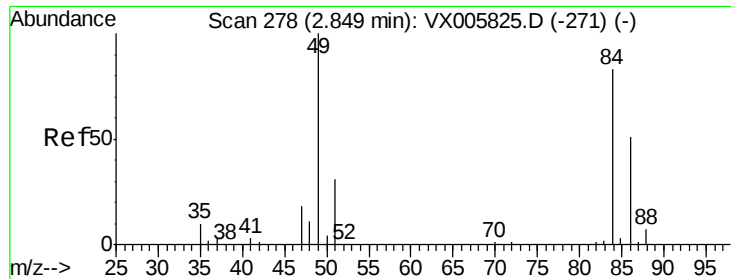
Tot Ion: 76 Resp: 917
Ion Ratio Lower Upper
76 100
78 15.4 7.3 10.9#



#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005968.D
Acq: 14 Nov 2018 12:30

Tgt Ion: 43 Resp: 406
Ion Ratio Lower Upper
43 100
74 0.0 16.8 25.2#

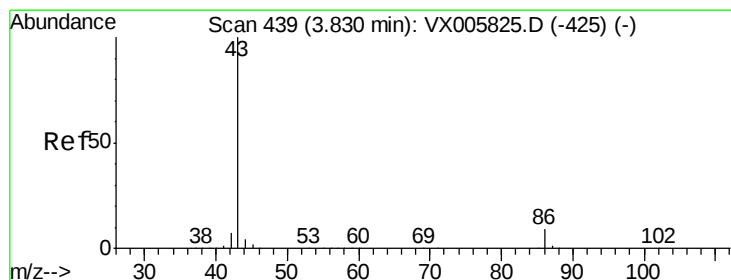
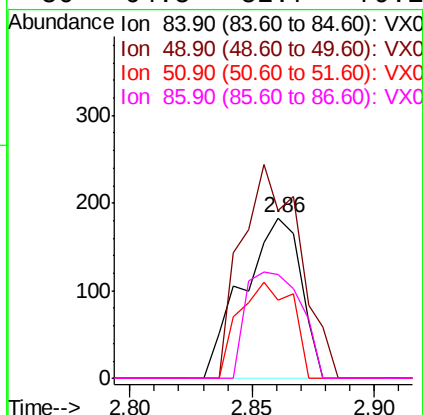
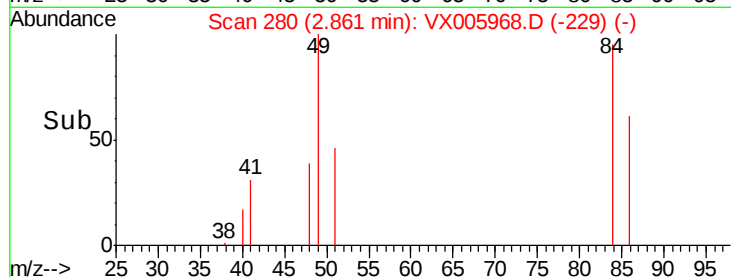
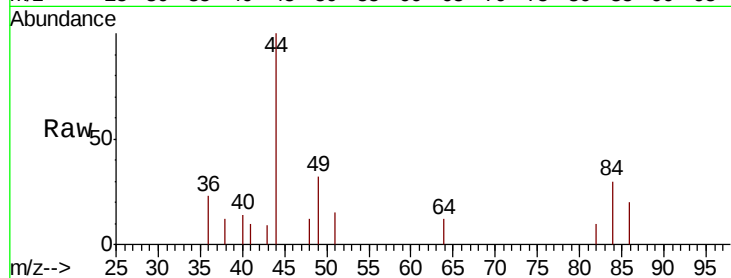




#20
Methvlene Chloride
Concen: 0.325 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005968.D
Acq: 14 Nov 2018 12:30

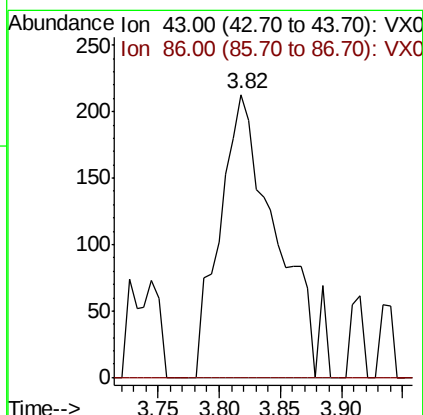
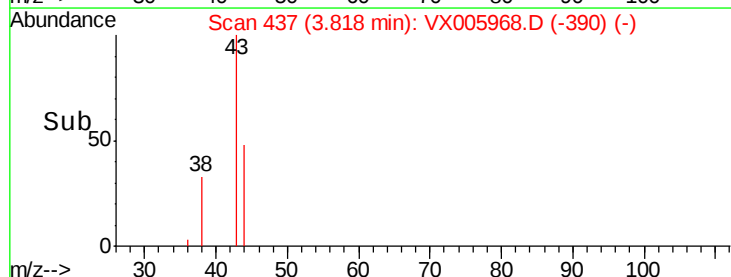
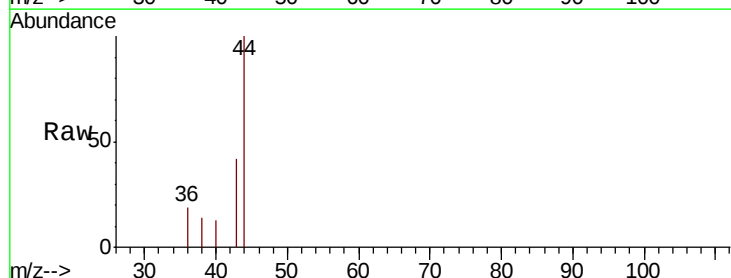
Instrument :
MSVOA_X
ClientSampleId :
VX1114WBL01

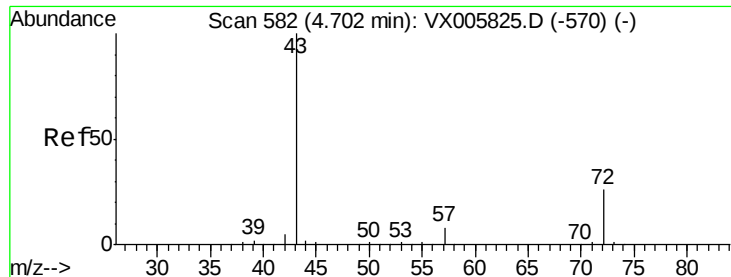
Tot Ion: 84 Resp: 301
Ion Ratio Lower Upper
84 100
49 104.9 109.5 164.3#
51 48.6 33.3 49.9
86 64.5 52.7 79.1



#23
Vinyl Acetate
Concen: 0.255 ug/l
RT: 3.82 min Scan# 437
Delta R.T. -0.01 min
Lab File: VX005968.D
Acq: 14 Nov 2018 12:30

Tgt Ion: 43 Resp: 689
Ion Ratio Lower Upper
43 100
86 0.0 7.4 11.2#





#25

2-Butanone

Concen: 0.283 ug/l

RT: 4.68 min Scan# 579

Delta R.T. -0.02 min

Lab File: VX005968.D

Acq: 14 Nov 2018 12:30

Instrument :

MSVOA_X

ClientSampleId :

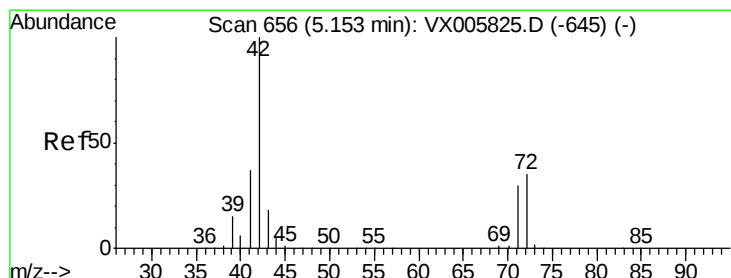
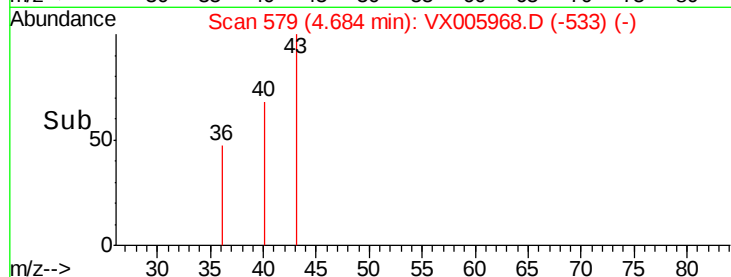
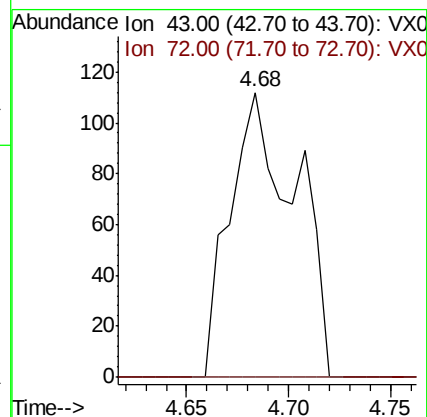
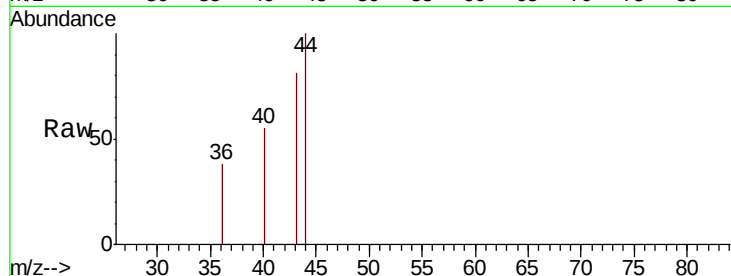
VX1114WBL01

Tot Ion: 43 Resp: 251

Ion Ratio Lower Upper

43 100

72 0.0 19.2 28.8#



#29

Tetrahydrofuran

Concen: 0.508 ug/l

RT: 5.15 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX005968.D

Acq: 14 Nov 2018 12:30

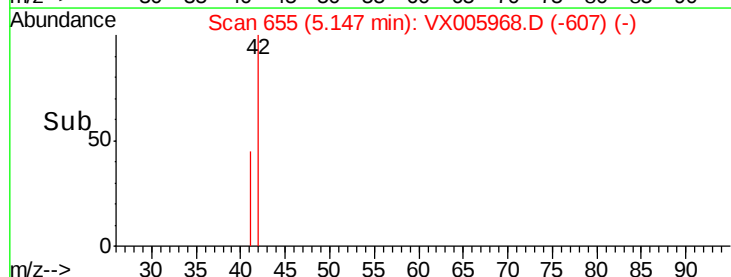
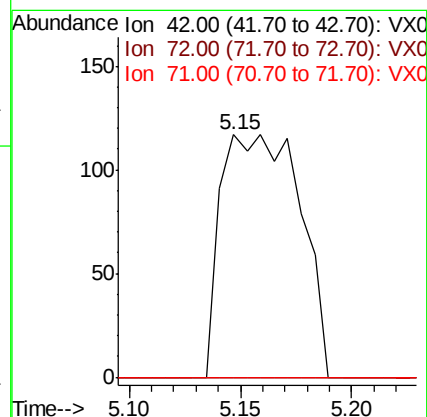
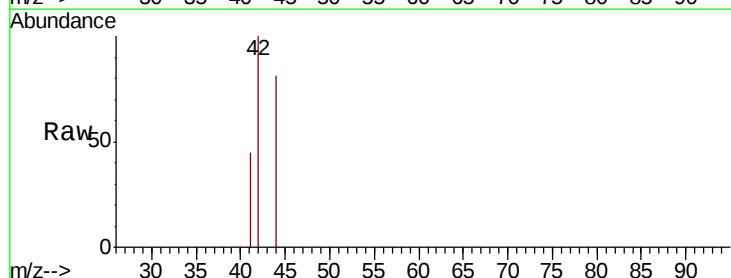
Tgt Ion: 42 Resp: 289

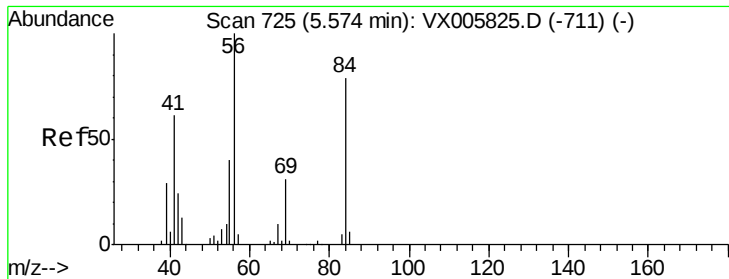
Ion Ratio Lower Upper

42 100

72 0.0 32.0 48.0#

71 0.0 29.8 44.8#

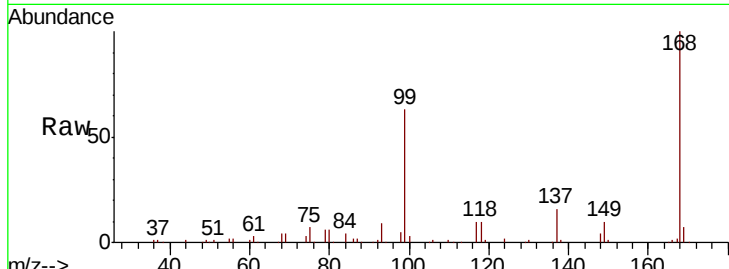




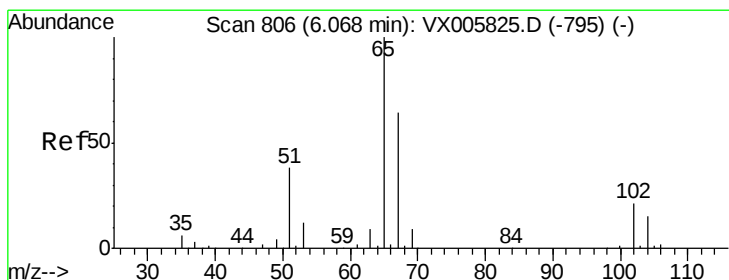
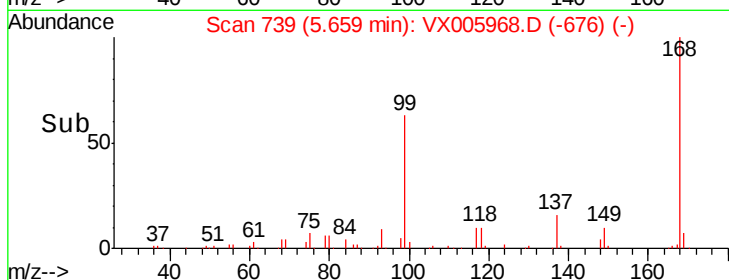
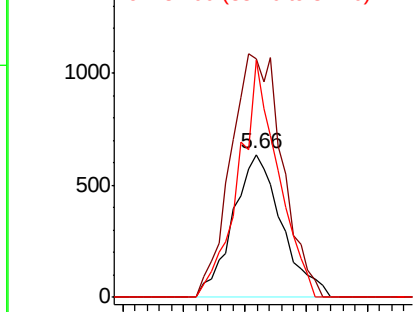
#31
Cvclohexane
Concen: 1.208 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX005968.D
Acq: 14 Nov 2018 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX1114WBL01

Tot Ion: 56 Resp: 1761
Ion Ratio Lower Upper
56 100
69 166.8 22.6 34.0#
84 166.1 62.7 94.1#

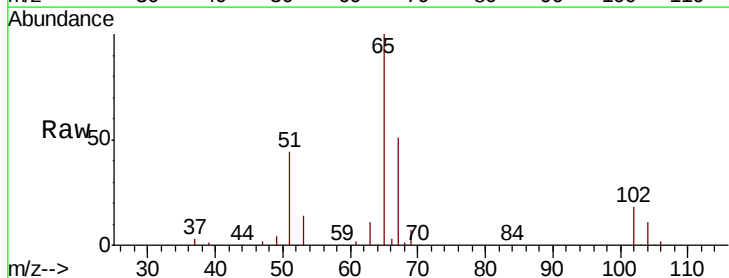


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

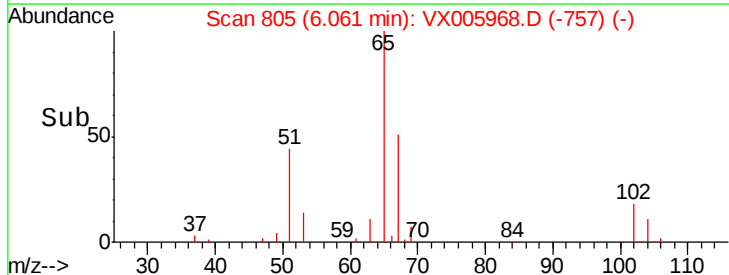
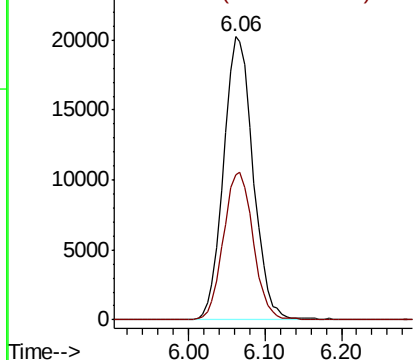


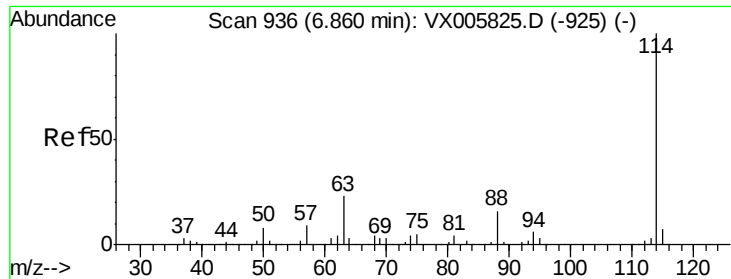
#33
1,2-Dichloroethane-d4
Concen: 51.611 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.01 min
Lab File: VX005968.D
Acq: 14 Nov 2018 12:30

Tgt Ion: 65 Resp: 54020
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

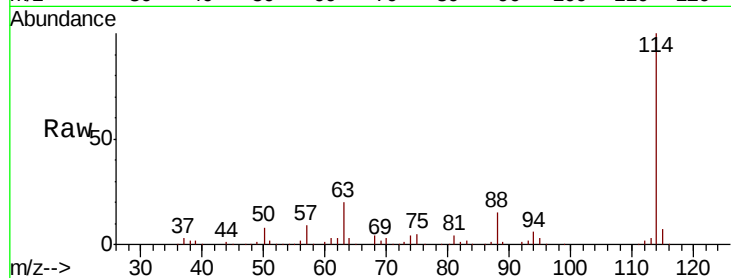




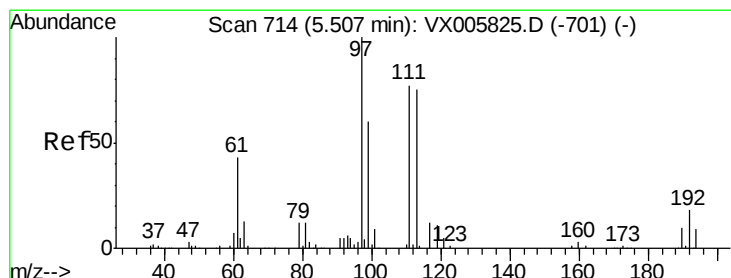
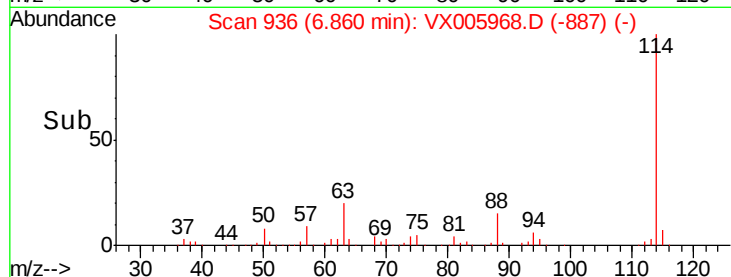
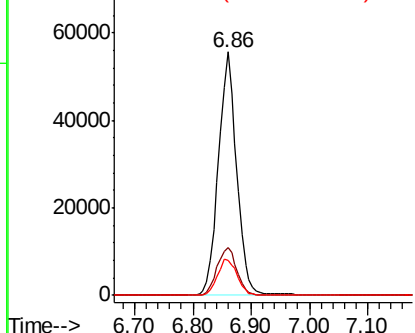
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX005968.D
Acq: 14 Nov 2018 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX1114WBL01

Tot Ion:114 Resp: 121221
Ion Ratio Lower Upper
114 100
63 19.8 0.0 42.8
88 14.6 0.0 31.2

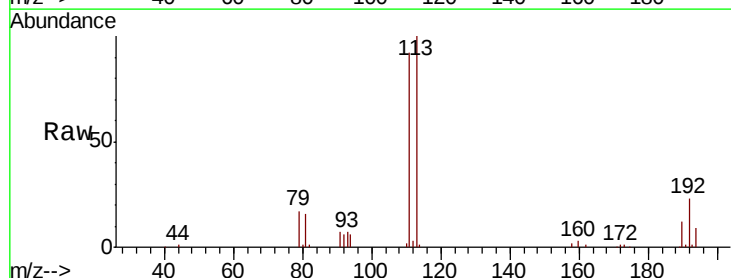


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

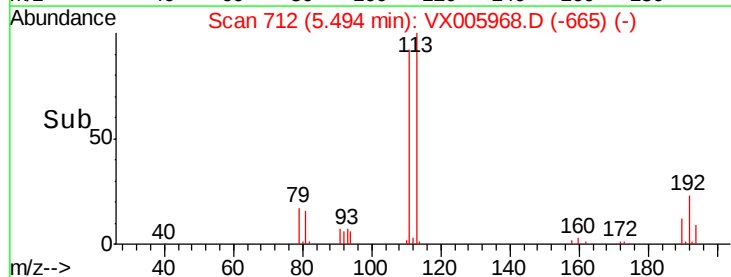
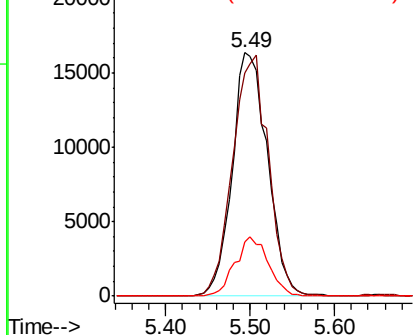


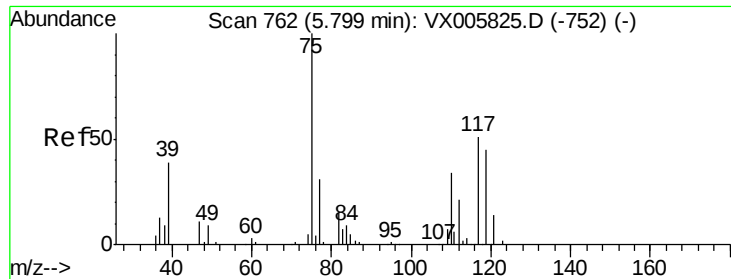
#35
Dibromofluoromethane
Concen: 56.060 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX005968.D
Acq: 14 Nov 2018 12:30

Tgt Ion:113 Resp: 46221
Ion Ratio Lower Upper
113 100
111 100.4 82.3 123.5
192 22.9 17.9 26.9



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





#36

1,1-Dichloropropene

Concen: 5.180 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX005968.D

Acq: 14 Nov 2018 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX1114WBL01

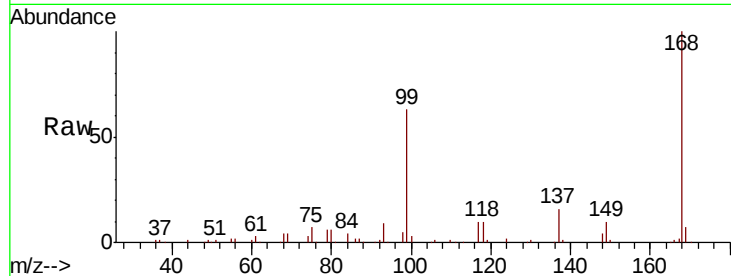
Tot Ion: 75 Resp: 6053

Ion Ratio Lower Upper

75 100

110 9.4 17.4 52.2#

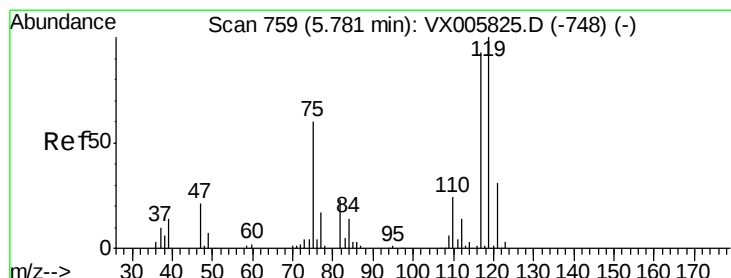
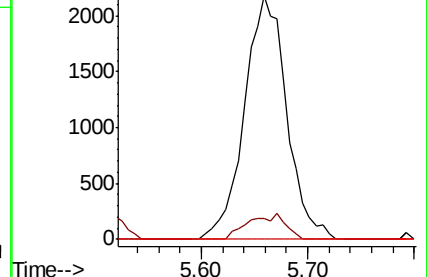
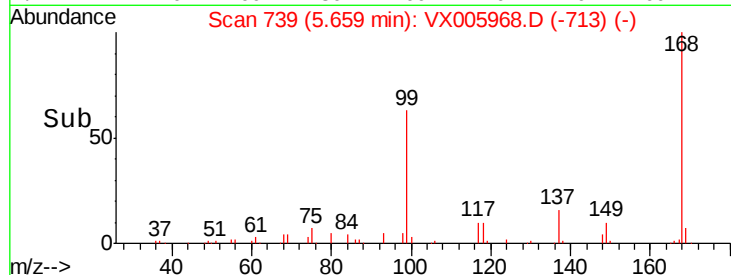
77 0.0 25.8 38.6#



Abundance Ion 74.90 (74.60 to 75.60): VX005968.D (-713) (-)

Ion 109.90 (109.60 to 110.60): VX005968.D (-713) (-)

Ion 76.90 (76.60 to 77.60): VX005968.D (-713) (-)



#38

Carbon Tetrachloride

Concen: 6.902 ug/l

RT: 5.67 min Scan# 741

Delta R.T. -0.11 min

Lab File: VX005968.D

Acq: 14 Nov 2018 12:30

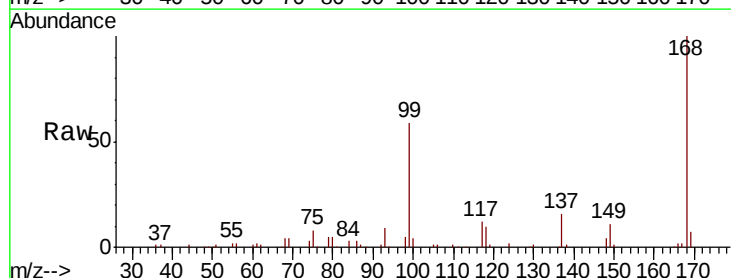
Tgt Ion: 117 Resp: 8075

Ion Ratio Lower Upper

117 100

119 6.8 78.1 117.1#

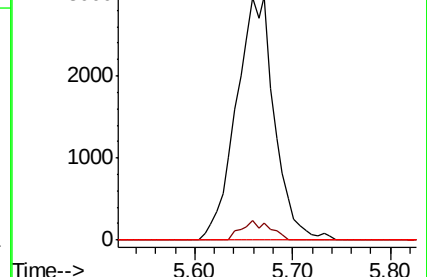
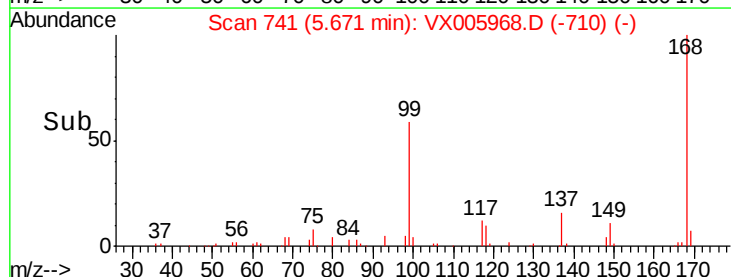
121 0.0 24.6 36.8#

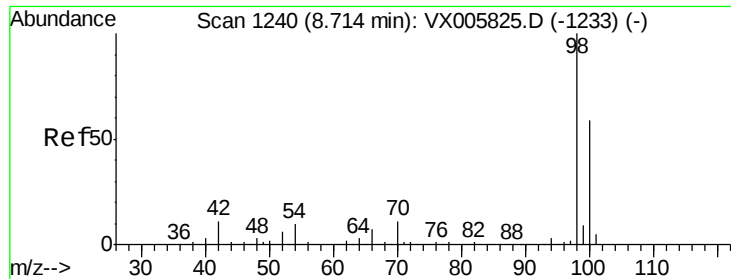


Abundance Ion 116.80 (116.50 to 117.50): VX005968.D (-710) (-)

Ion 118.80 (118.50 to 119.50): VX005968.D (-710) (-)

Ion 120.80 (120.50 to 121.50): VX005968.D (-710) (-)

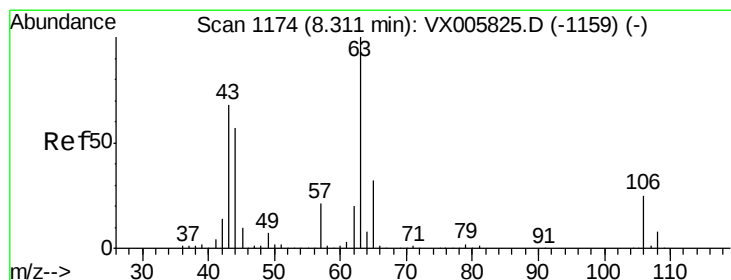
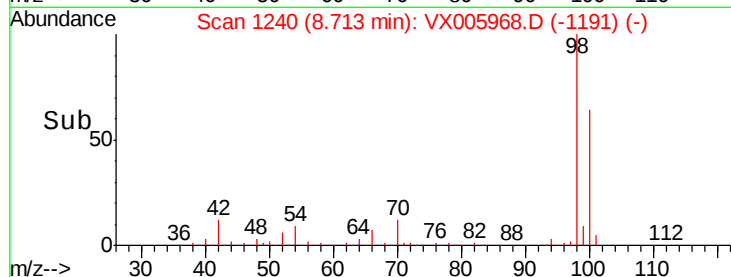
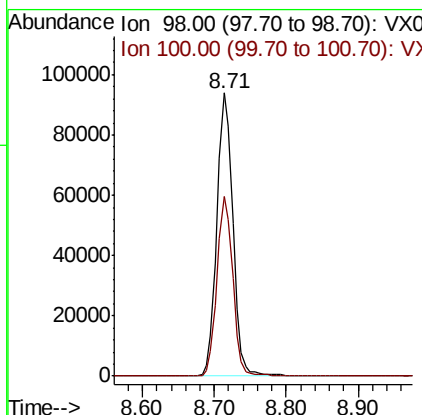
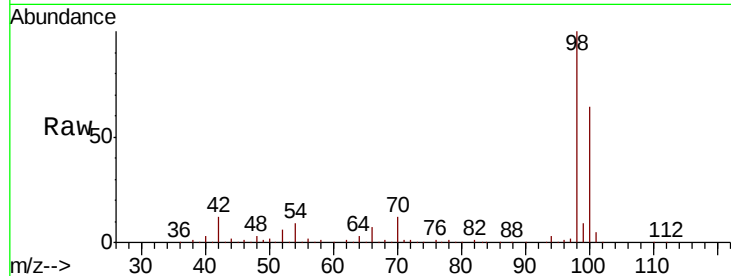




#50
Toluene-d8
Concen: 52.925 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005968.D
Acq: 14 Nov 2018 12:30

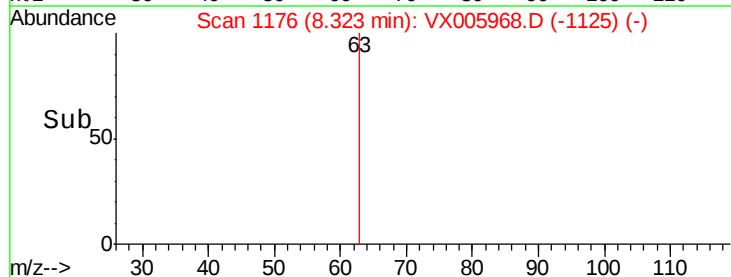
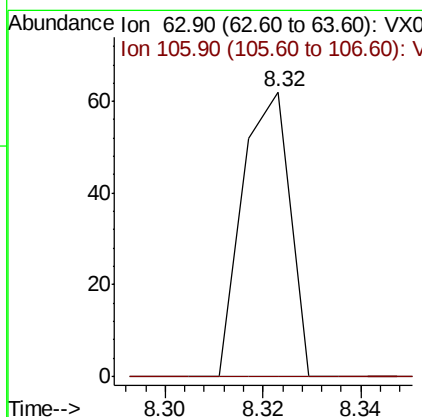
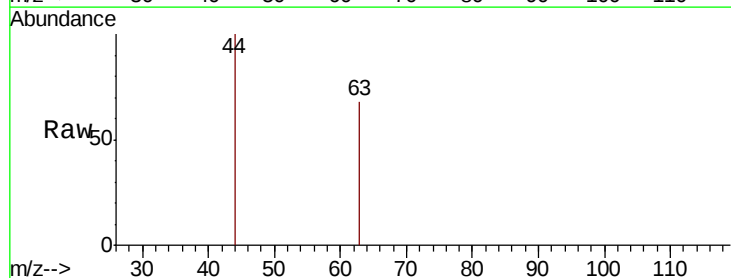
Instrument :
MSVOA_X
ClientSampled :
VX1114WBL01

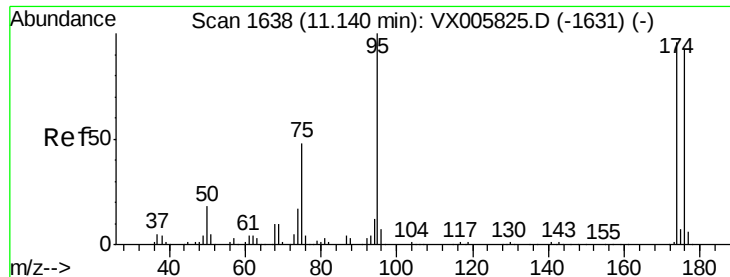
Tot Ion: 98 Resp: 145071
Ion Ratio Lower Upper
98 100
100 62.9 51.3 76.9



#58
2-Chloroethyl Vinyl ether
Concen: 8.337 ug/l
RT: 8.32 min Scan# 1176
Delta R.T. 0.01 min
Lab File: VX005968.D
Acq: 14 Nov 2018 12:30

Tgt Ion: 63 Resp: 42
Ion Ratio Lower Upper
63 100
106 0.0 21.3 31.9#





#62

4-Bromofluorobenzene

Concen: 48.460 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005968.D

Acq: 14 Nov 2018 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX1114WBL01

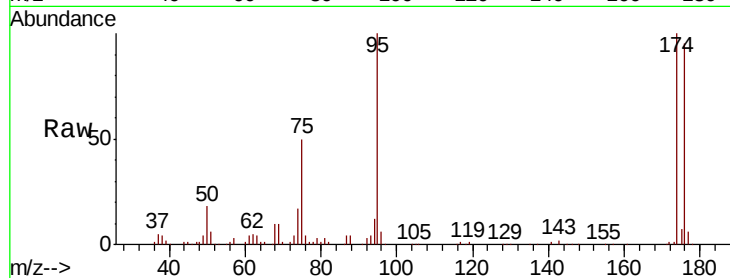
Tot Ion: 95 Resp: 47758

Ion Ratio Lower Upper

95 100

174 93.9 0.0 184.4

176 89.9 0.0 177.4

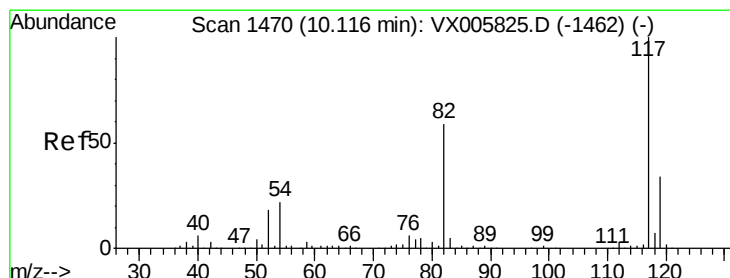
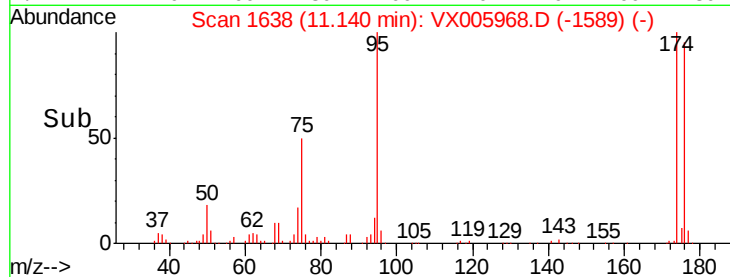


Abundance Ion 94.90 (94.60 to 95.60): VX005825.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX005825.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX005825.D (-1631) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005968.D

Acq: 14 Nov 2018 12:30

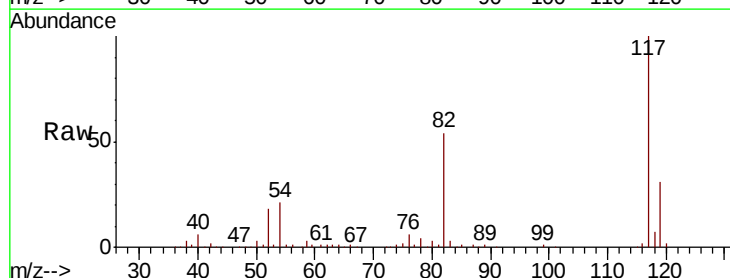
Tgt Ion: 117 Resp: 109674

Ion Ratio Lower Upper

117 100

82 53.6 44.1 66.1

119 31.3 26.2 39.2

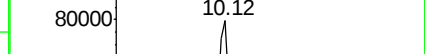
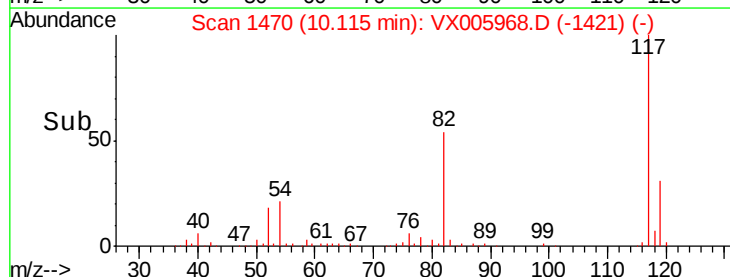


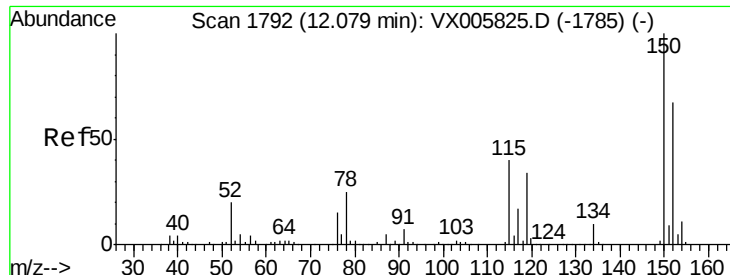
Abundance Ion 116.90 (116.60 to 117.60): VX005825.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX005825.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX005825.D (-1462) (-)

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005968.D

Acq: 14 Nov 2018 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX1114WBL01

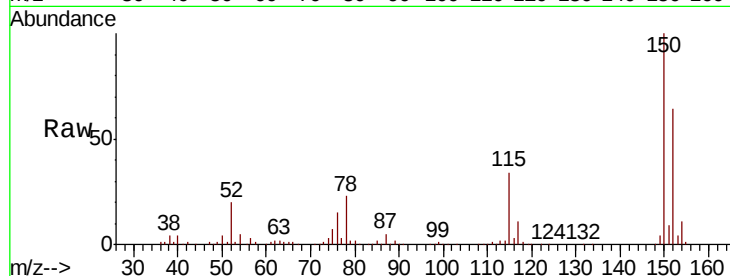
Tot Ion:152 Resp: 52448

Ion Ratio Lower Upper

152 100

115 55.4 39.4 118.1

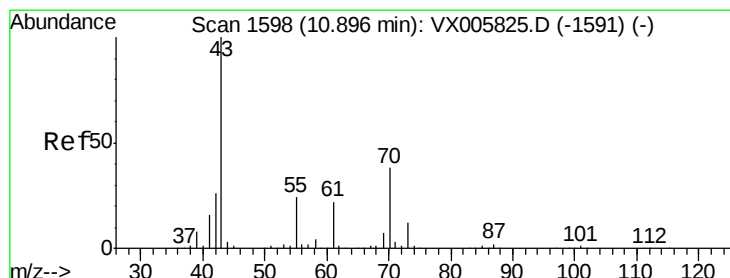
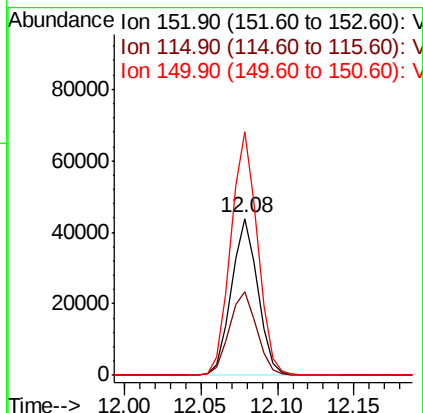
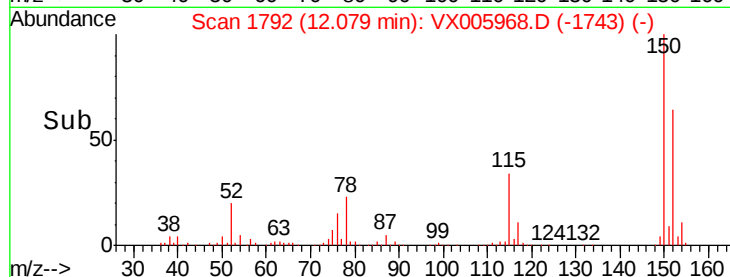
150 156.7 0.0 346.4



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: 1.282 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VX005968.D

Acq: 14 Nov 2018 12:30

Tgt Ion: 43 Resp: 54

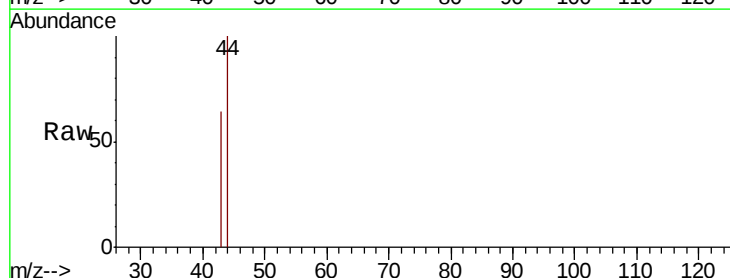
Ion Ratio Lower Upper

43 100

70 0.0 31.6 47.4#

55 0.0 19.7 29.5#

61 0.0 18.3 27.5#

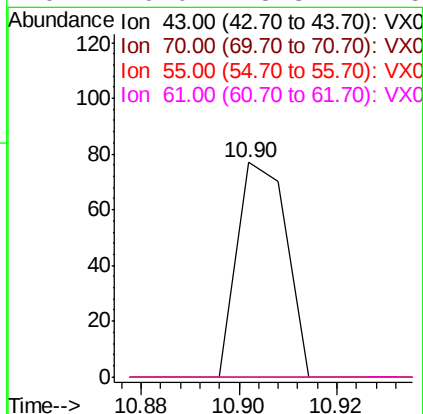
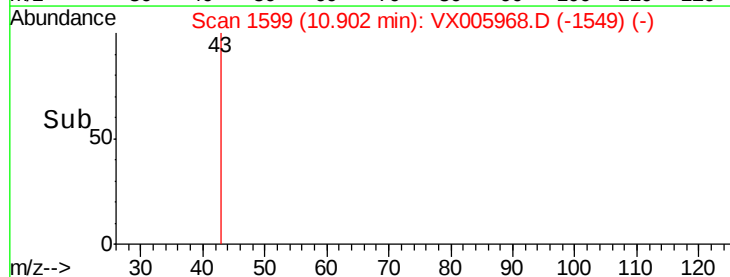


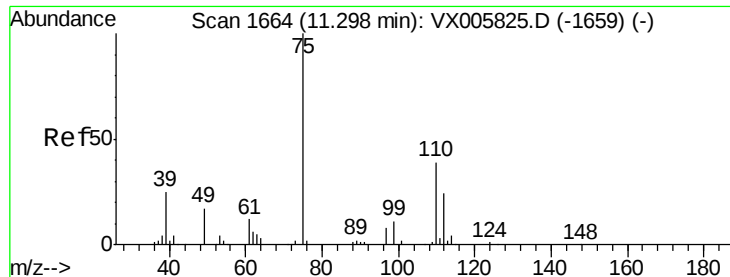
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 23.037 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX005968.D

Acq: 14 Nov 2018 12:30

Instrument :

MSVOA_X

ClientSampleId :

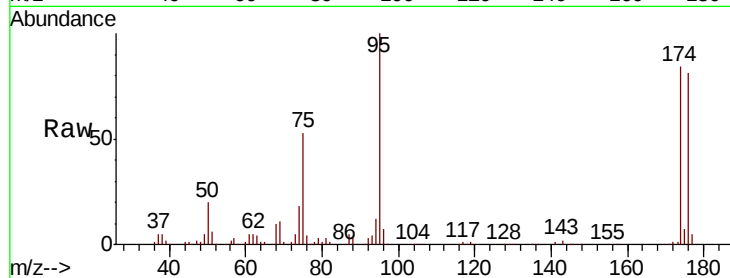
VX1114WBL01

Tot Ion: 75 Resp: 24602

Ion Ratio Lower Upper

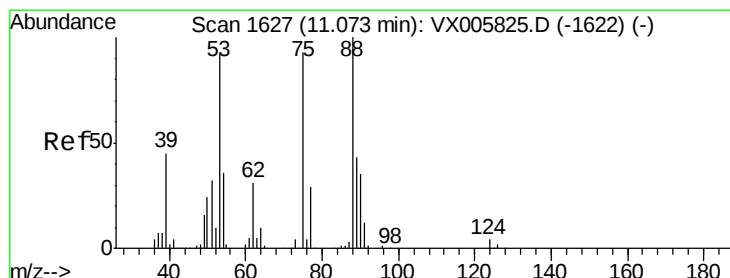
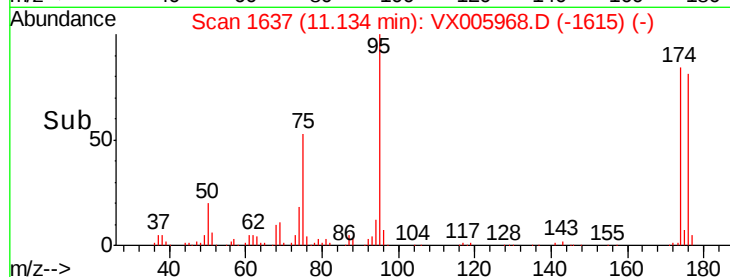
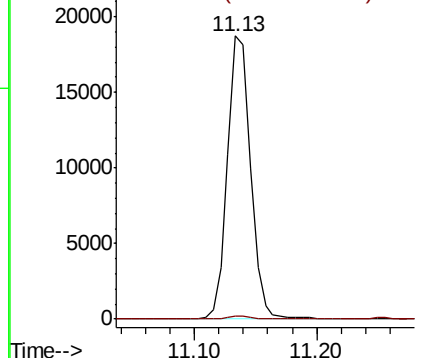
75 100

77 1.0 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: 73.421 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX005968.D

Acq: 14 Nov 2018 12:30

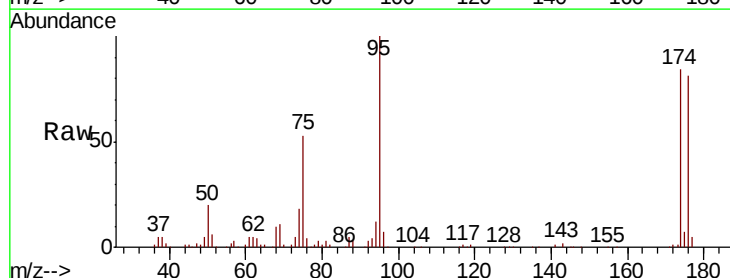
Tgt Ion: 75 Resp: 24602

Ion Ratio Lower Upper

75 100

53 0.1 80.2 120.2#

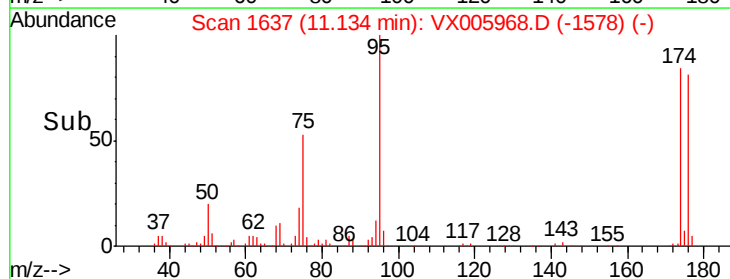
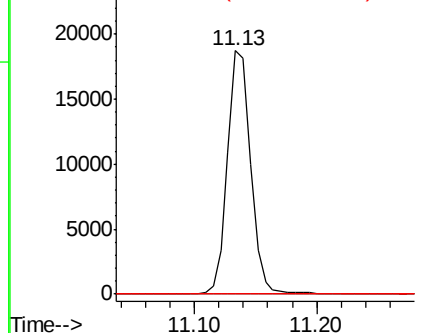
89 0.0 39.8 59.8#

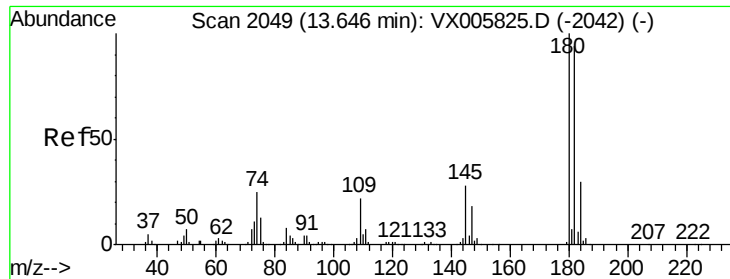


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

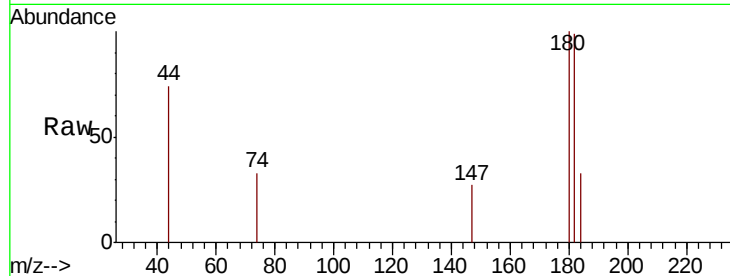




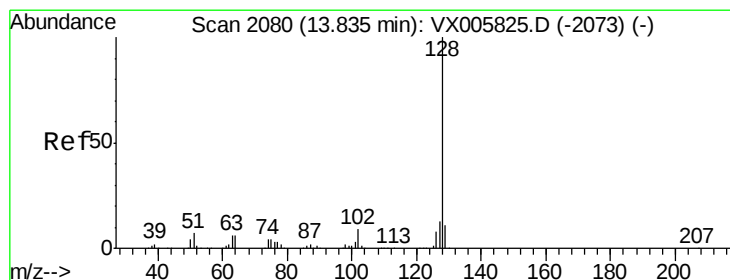
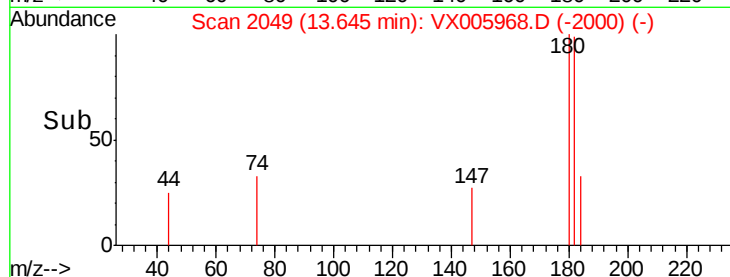
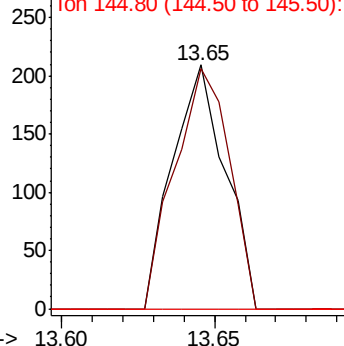
#93
 1,2,4-Trichlorobenzene
 Concen: 0.216 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005968.D
 Acq: 14 Nov 2018 12:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114WBL01

Tot Ion:180 Resp: 250
 Ion Ratio Lower Upper
 180 100
 182 102.8 47.6 142.8
 145 0.0 14.1 42.2#

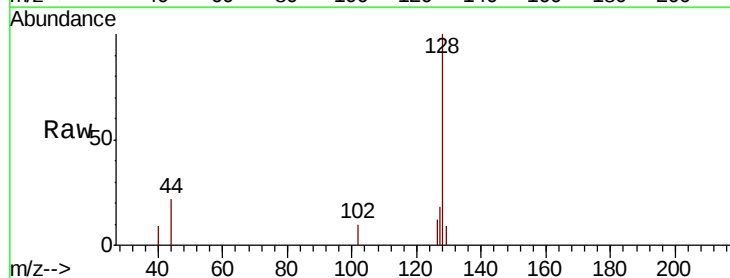


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 1.382 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX005968.D
 Acq: 14 Nov 2018 12:30

Tgt Ion:128 Resp: 791
 Ion Ratio Lower Upper
 128 100
 127 10.7 10.4 15.6
 129 5.2 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

