

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102918\
 Data File : VX005653.D
 Acq On : 29 Oct 2018 11:48
 Operator : JC/MD
 Sample : VX1029WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBL01

Quant Time: Oct 30 01:57:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	242692	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	348654	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	307524	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	199340	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	146000	49.28	ug/l	0.00
Spiked Amount						
			Recovery	=	98.56%	
35) Dibromofluoromethane	5.50	113	119220	50.50	ug/l	0.00
Spiked Amount						
			Recovery	=	101.00%	
50) Toluene-d8	8.71	98	403733	47.59	ug/l	0.00
Spiked Amount						
			Recovery	=	95.18%	
62) 4-Bromofluorobenzene	11.14	95	136952	42.75	ug/l	0.00
Spiked Amount						
			Recovery	=	85.50%	

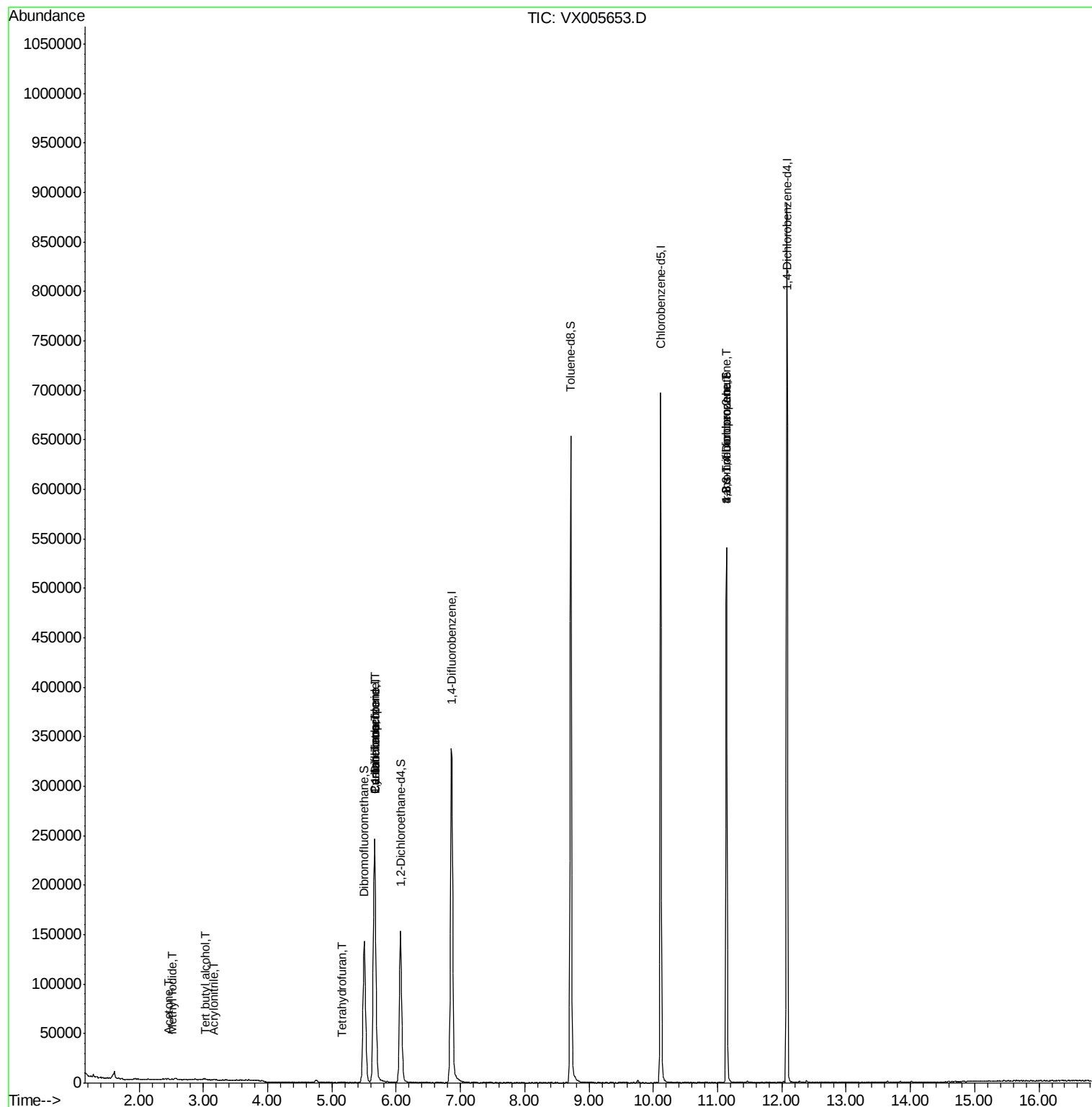
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.51	142	150	2.782	ug/l #	76
11) Tert butyl alcohol	3.02	59	1034	1.297	ug/l #	72
15) Acrylonitrile	3.15	53	369	0.206	ug/l #	89
16) Acetone	2.45	43	393	0.251	ug/l #	48
18) Methyl Acetate	2.78	43	158	Below Cal	#	81
29) Tetrahydrofuran	5.16	42	719	0.463	ug/l #	64
31) Cyclohexane	5.67	56	4756	1.191	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16870	4.986	ug/l #	49
38) Carbon Tetrachloride	5.67	117	22516	6.318	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	68445	16.206	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	68445	52.952	ug/l #	9

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

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Misc : 5.0mL/MSVOA X/WATER
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Instrument :
MSVOA_X
ClientSampled :
VX1029WBL01

Quant Time: Oct 30 01:57:01 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 25 02:52:45 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005653.D

Acq: 29 Oct 2018 11:48

Instrument :

MSVOA_X

ClientSampleId :

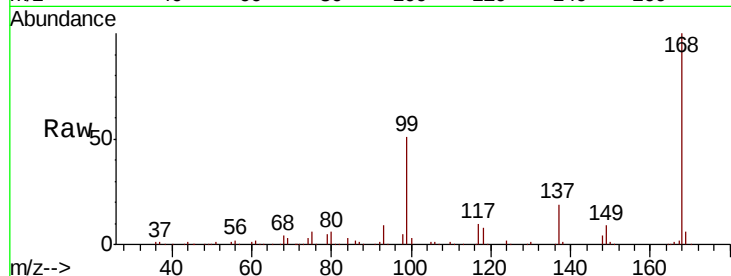
VX1029WBL01

Tot Ion:168 Resp: 242692

Ion Ratio Lower Upper

168 100

99 50.8 40.7 61.1

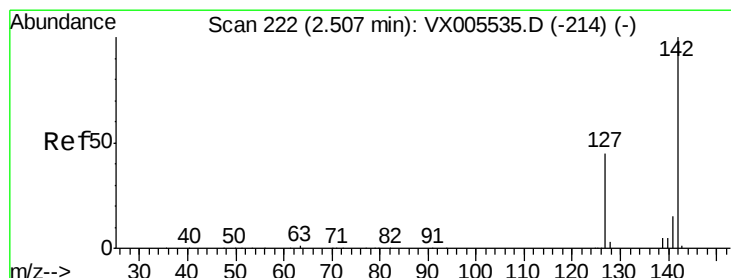
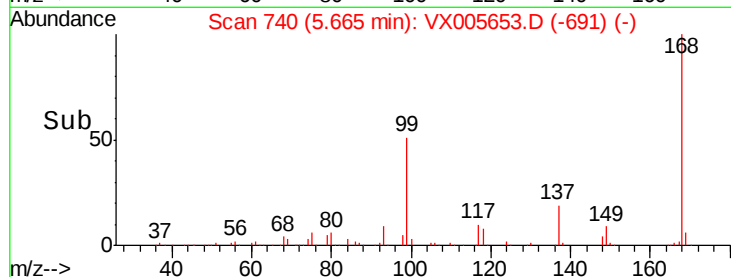


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

Time--> 5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 2.782 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005653.D

Acq: 29 Oct 2018 11:48

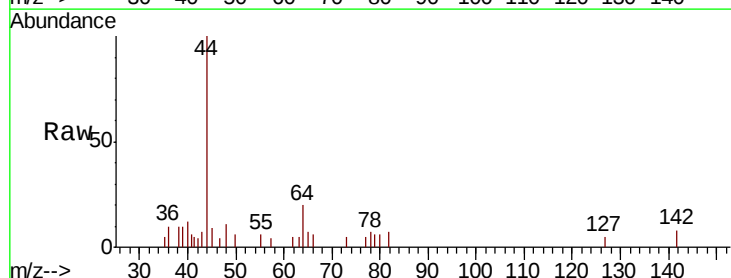
Tgt Ion:142 Resp: 150

Ion Ratio Lower Upper

142 100

127 31.3 36.0 54.0#

141 0.0 11.7 17.5#



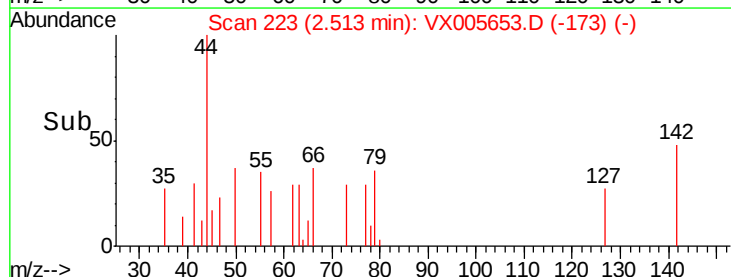
Abundance Ion 141.80 (141.50 to 142.50): V

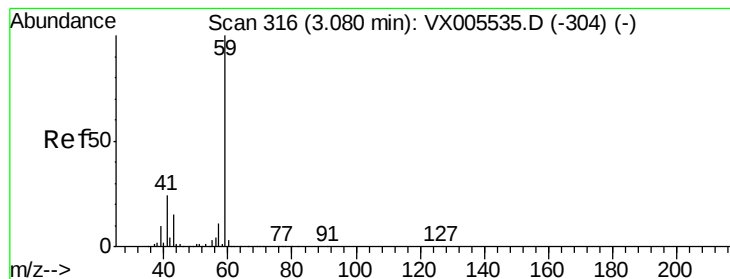
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.51

Time--> 2.48 2.50 2.52 2.54



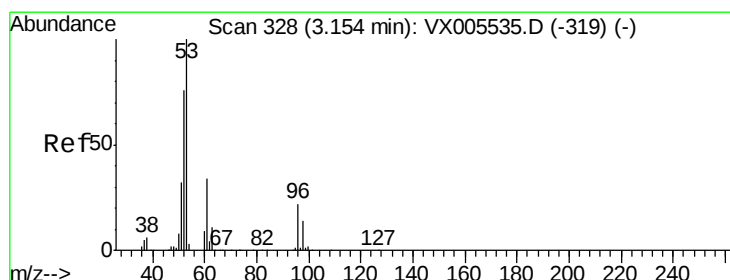
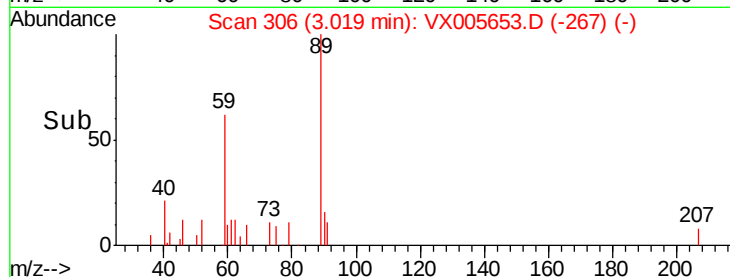
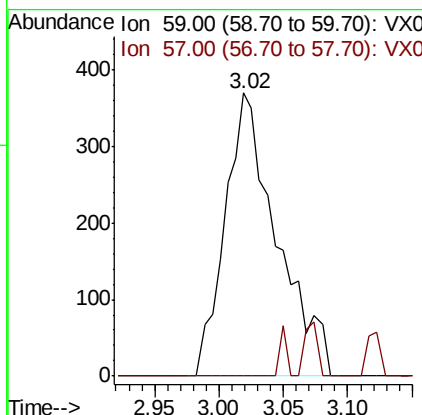
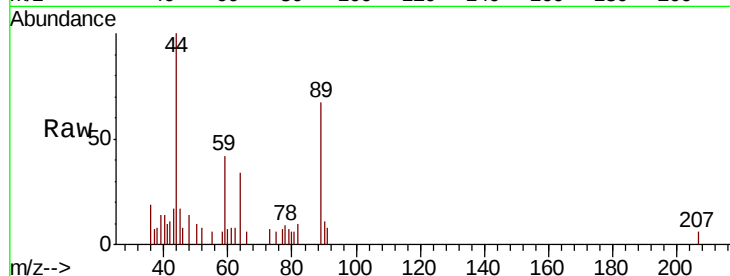


#11

Tert butyl alcohol
 Concen: 1.297 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.06 min
 Lab File: VX005653.D
 Acq: 29 Oct 2018 11:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBL01

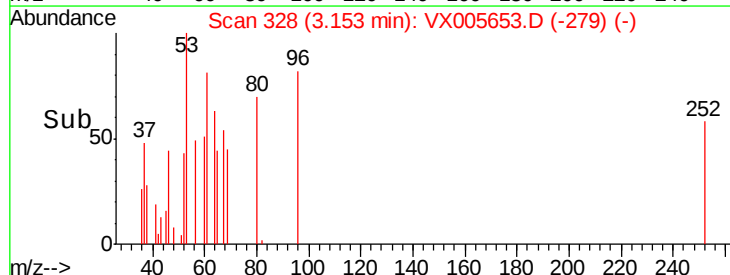
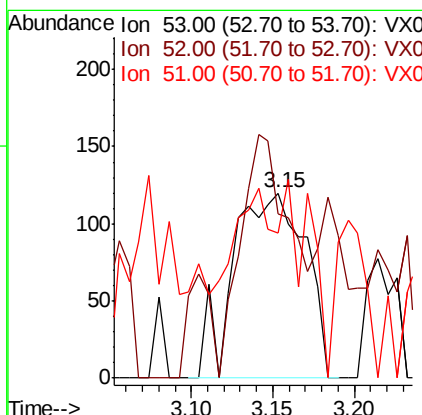
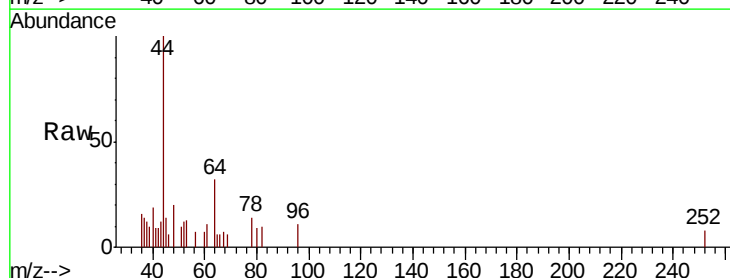
Tot Ion: 59 Resp: 1034
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

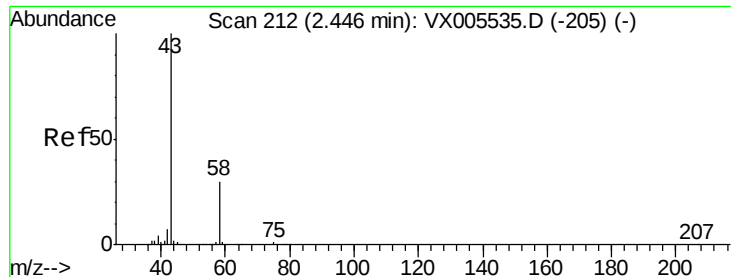


#15

Acrylonitrile
 Concen: 0.206 ug/l
 RT: 3.15 min Scan# 328
 Delta R.T. -0.00 min
 Lab File: VX005653.D
 Acq: 29 Oct 2018 11:48

Tgt Ion: 53 Resp: 369
 Ion Ratio Lower Upper
 53 100
 52 92.7 66.6 99.8
 51 28.2 28.4 42.6#





#16

Acetone

Concen: 0.251 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX005653.D

Acq: 29 Oct 2018 11:48

Instrument :

MSVOA_X

ClientSampleId :

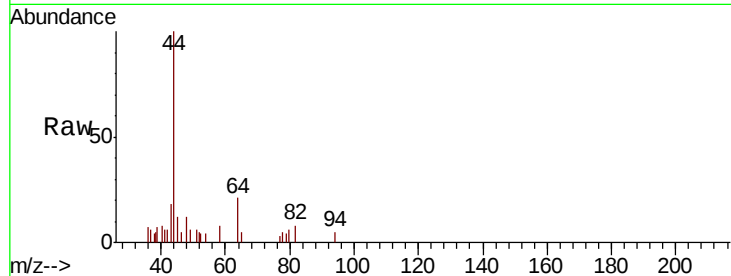
VX1029WBL01

Tot Ion: 43 Resp: 393

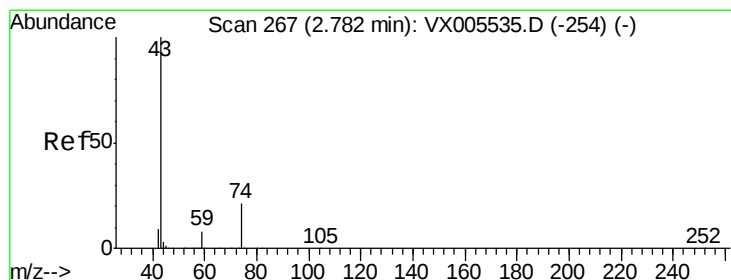
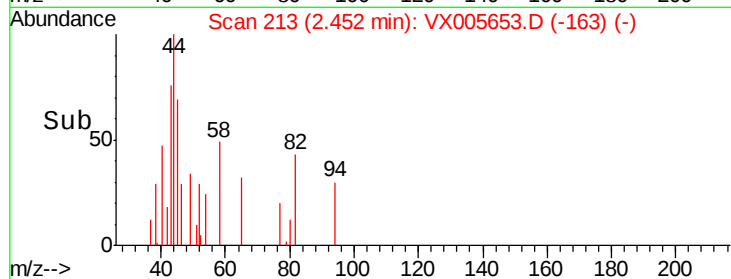
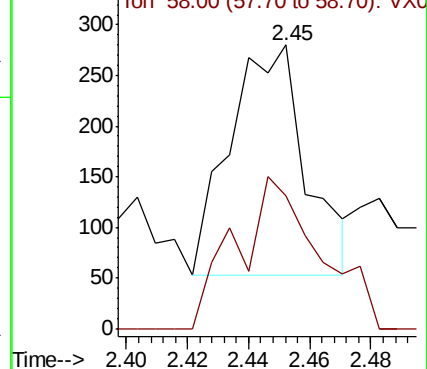
Ion Ratio Lower Upper

43 100

58 57.7 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0



#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005653.D

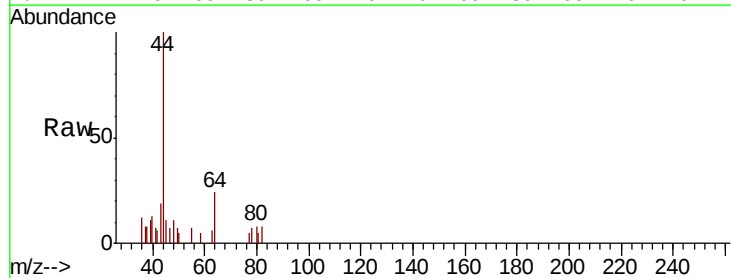
Acq: 29 Oct 2018 11:48

Tgt Ion: 43 Resp: 158

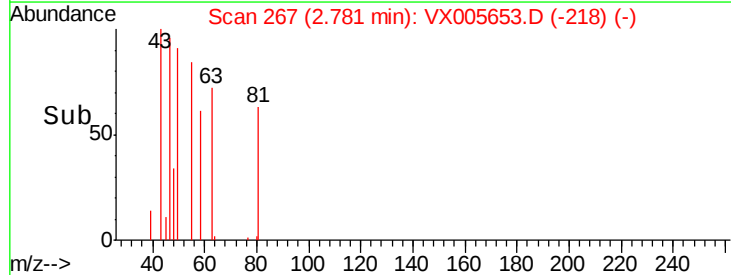
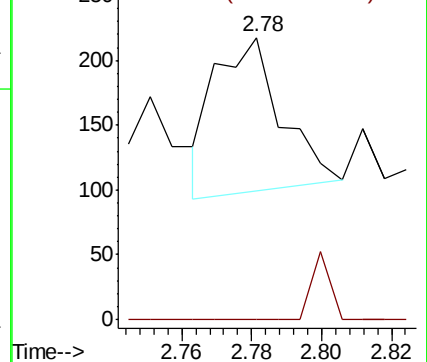
Ion Ratio Lower Upper

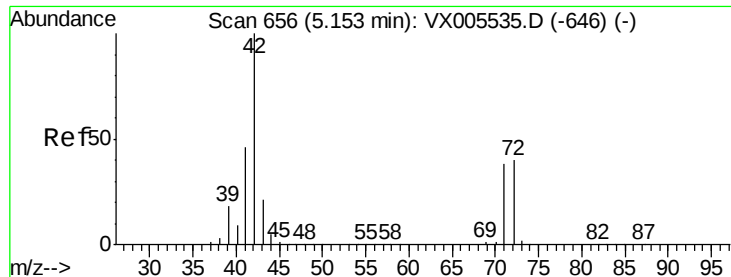
43 100

74 12.0 16.8 25.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0





#29

Tetrahydrofuran

Concen: 0.463 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX005653.D

Acq: 29 Oct 2018 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBL01

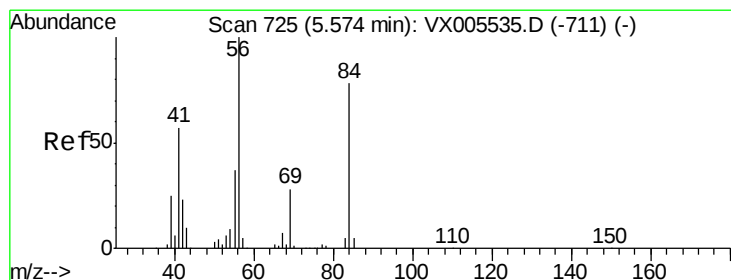
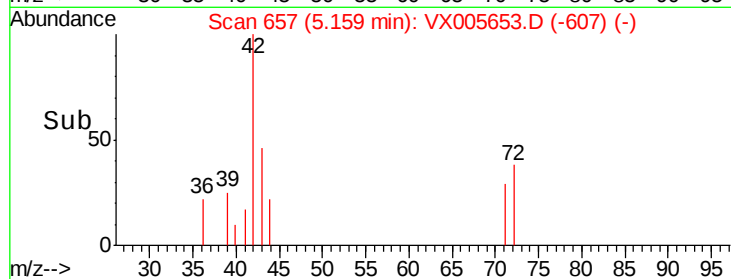
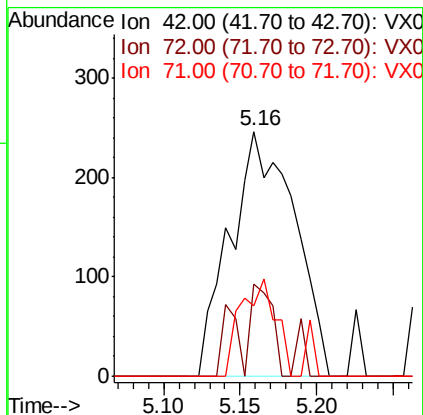
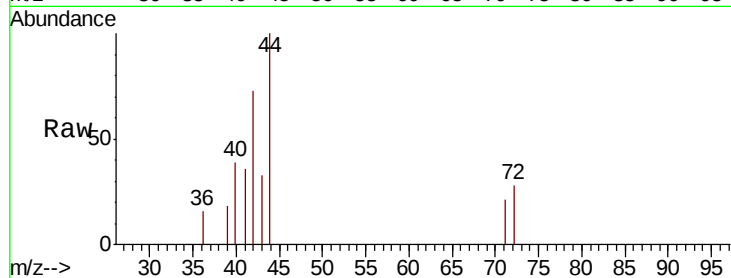
Tot Ion: 42 Resp: 719

Ion Ratio Lower Upper

42 100

72 12.5 32.0 48.0#

71 21.6 29.8 44.8#



#31

Cyclohexane

Concen: 1.191 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX005653.D

Acq: 29 Oct 2018 11:48

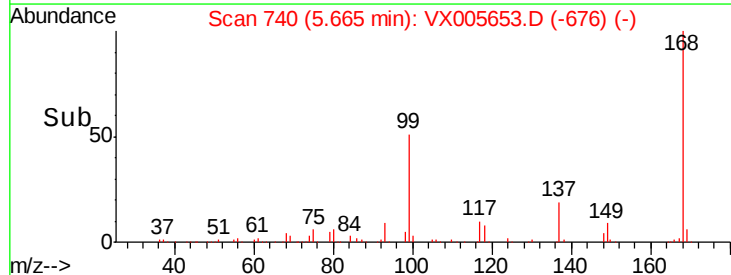
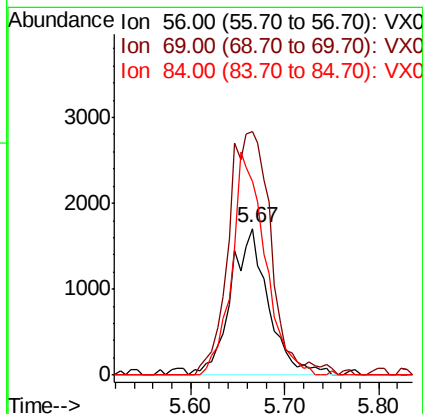
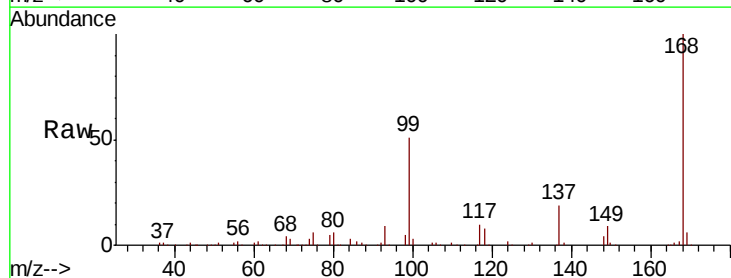
Tgt Ion: 56 Resp: 4756

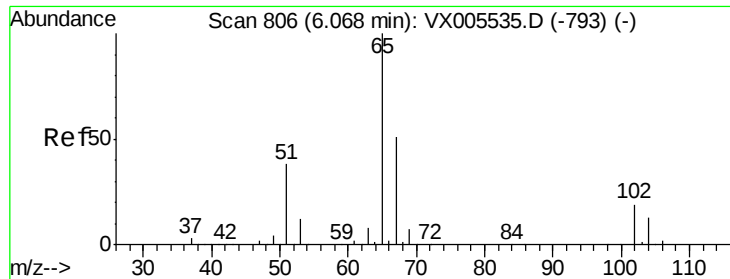
Ion Ratio Lower Upper

56 100

69 165.7 22.6 34.0#

84 131.9 62.7 94.1#





#33

1,2-Dichloroethane-d4

Concen: 49.282 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005653.D

Acq: 29 Oct 2018 11:48

Instrument :

MSVOA_X

ClientSampleId :

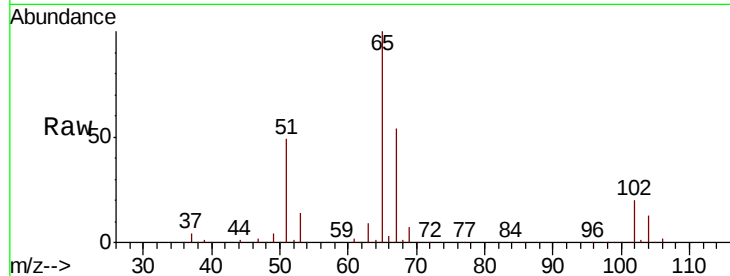
VX1029WBL01

Tot Ion: 65 Resp: 146000

Ion Ratio Lower Upper

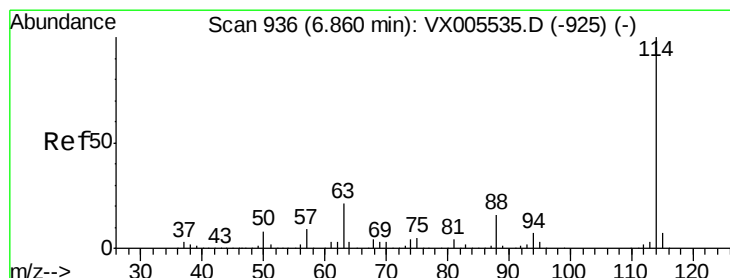
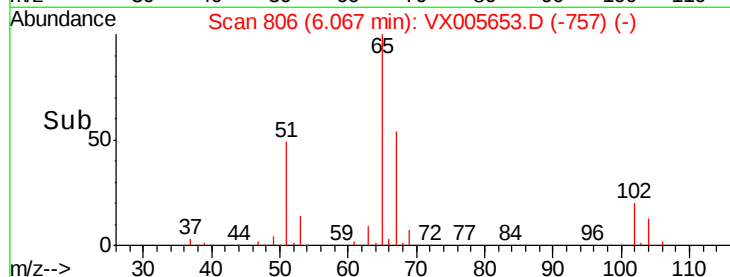
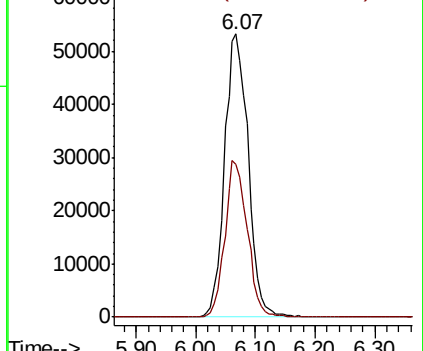
65 100

67 52.8 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: 6.87 min Scan# 937

Delta R.T. 0.01 min

Lab File: VX005653.D

Acq: 29 Oct 2018 11:48

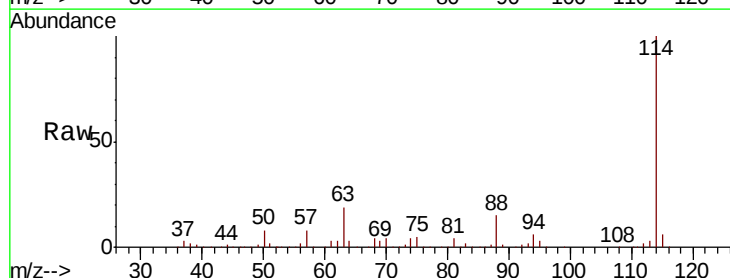
Tgt Ion: 114 Resp: 348654

Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.8

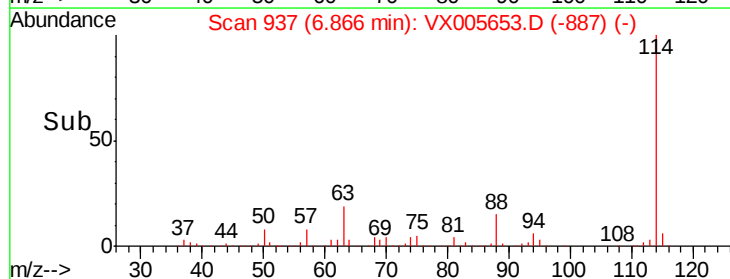
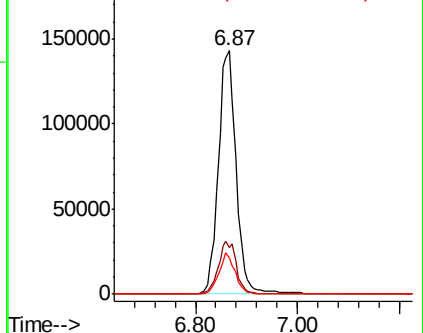
88 15.1 0.0 31.2

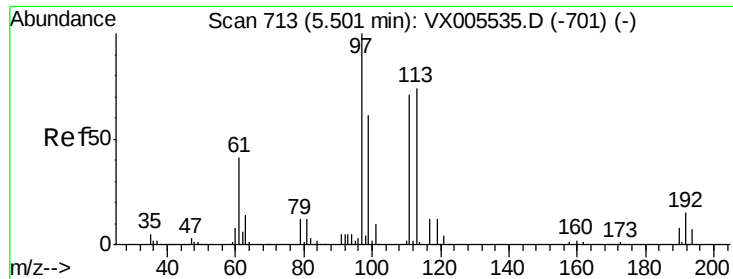


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

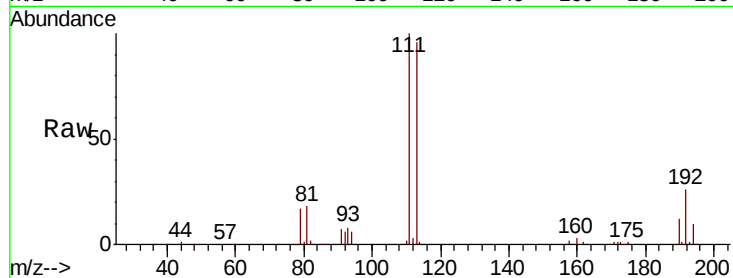




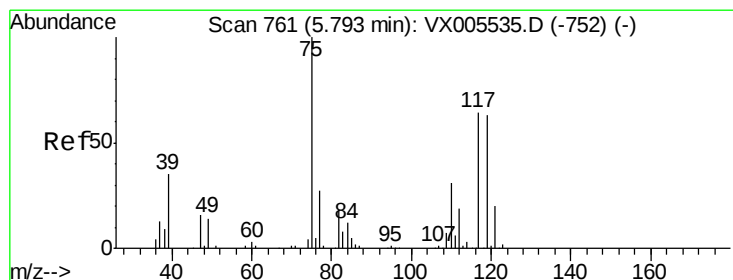
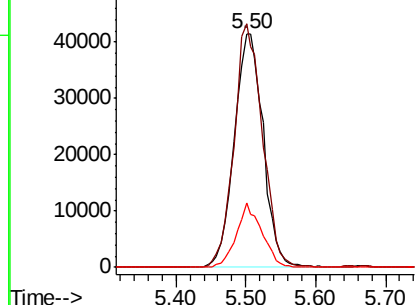
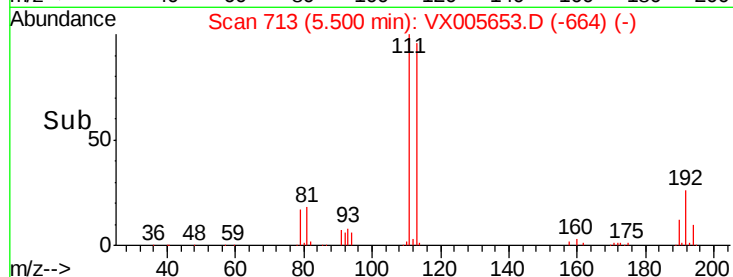
#35
 Dibromofluoromethane
 Concen: 50.500 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005653.D
 Acq: 29 Oct 2018 11:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBL01

Tot Ion:113 Resp: 119220
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.3 123.5
 192 24.1 17.9 26.9

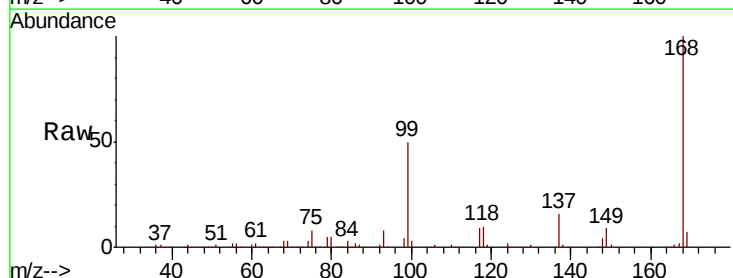


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

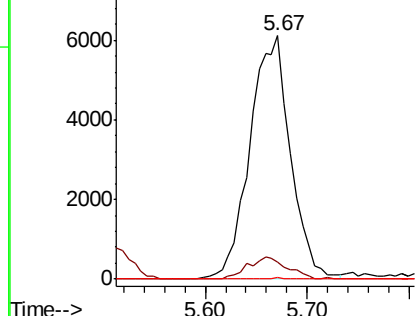
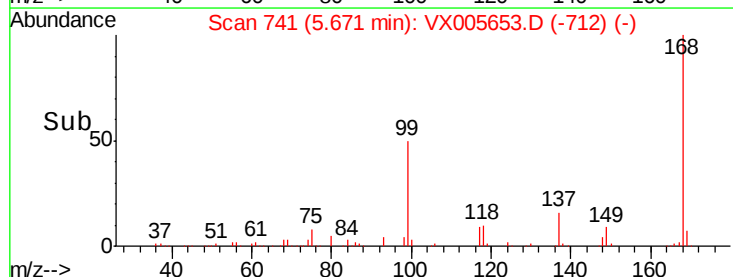


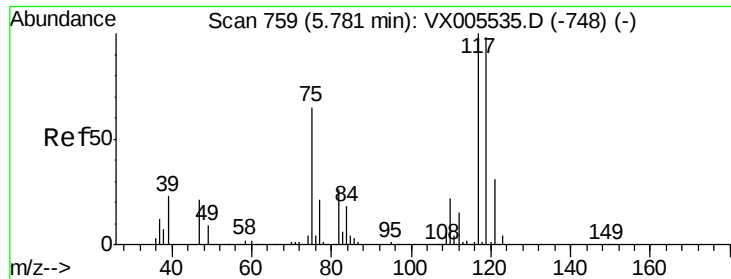
#36
 1,1-Dichloropropene
 Concen: 4.986 ug/l
 RT: 5.67 min Scan# 741
 Delta R.T. -0.12 min
 Lab File: VX005653.D
 Acq: 29 Oct 2018 11:48

Tgt Ion: 75 Resp: 16870
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.4 52.2#
 77 0.1 25.8 38.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.318 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005653.D

Acq: 29 Oct 2018 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBL01

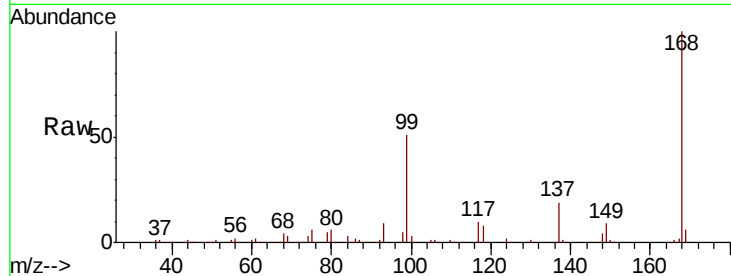
Tot Ion:117 Resp: 22516

Ion Ratio Lower Upper

117 100

119 4.8 78.1 117.1#

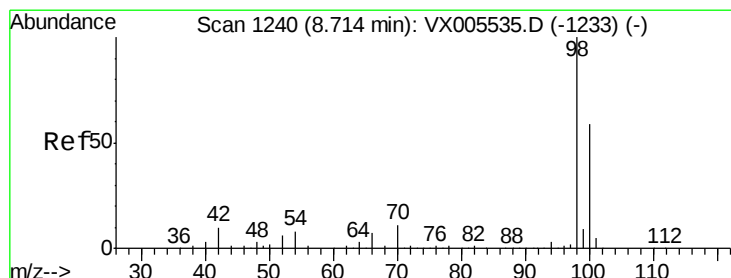
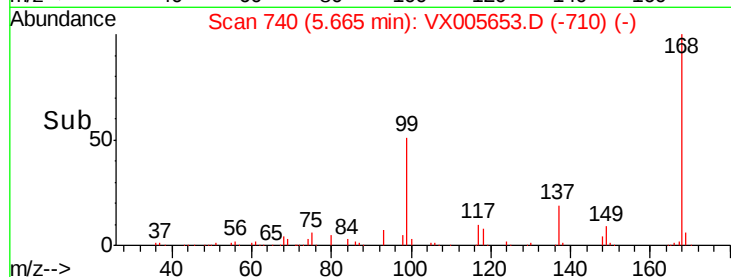
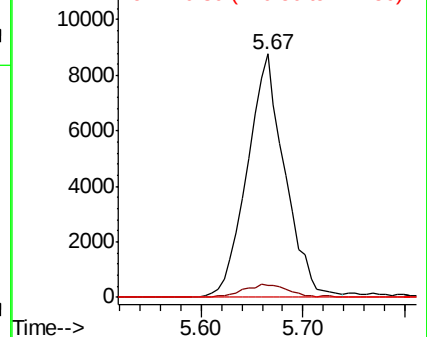
121 0.0 24.6 36.8#



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



#50

Toluene-d8

Concen: 47.594 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005653.D

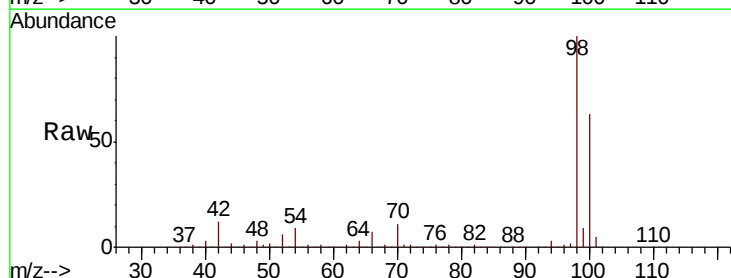
Acq: 29 Oct 2018 11:48

Tgt Ion: 98 Resp: 403733

Ion Ratio Lower Upper

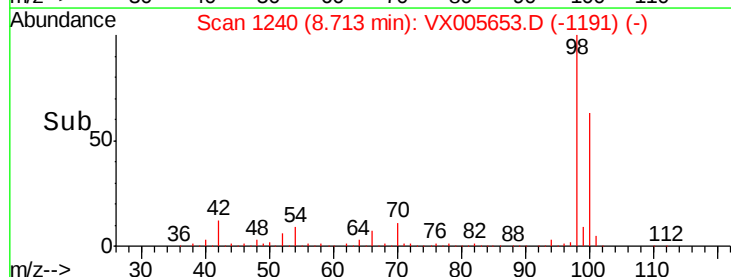
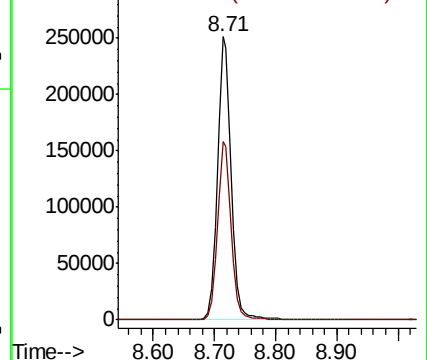
98 100

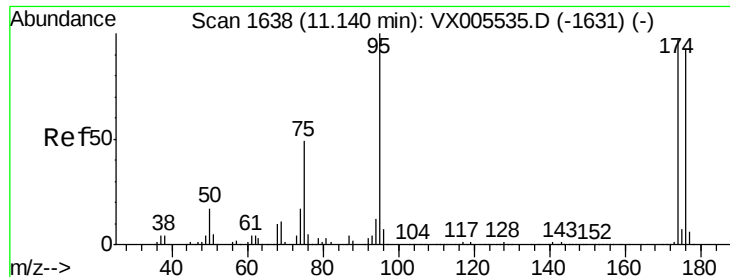
100 63.2 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

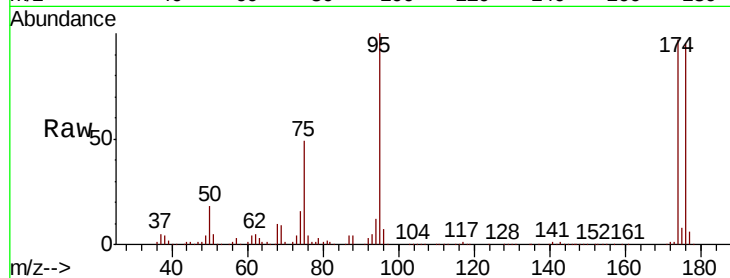




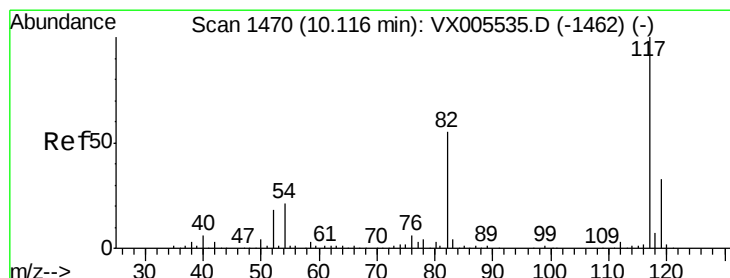
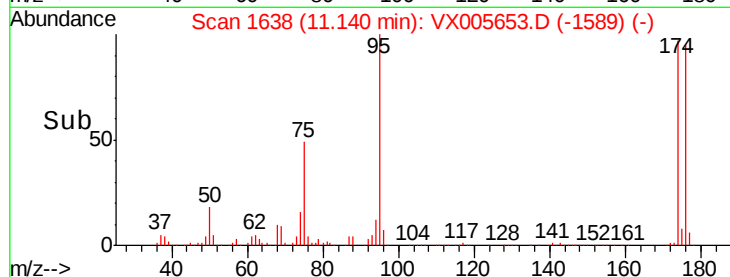
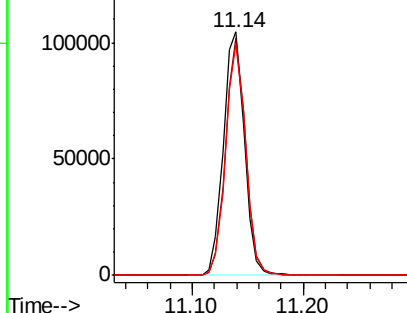
#62
4-Bromofluorobenzene
Concen: 42.751 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005653.D
Acq: 29 Oct 2018 11:48

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBL01

Tot Ion: 95 Resp: 136952
Ion Ratio Lower Upper
95 100
174 93.0 0.0 184.4
176 90.5 0.0 177.4

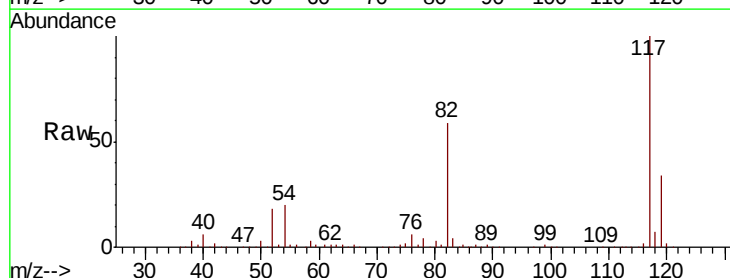


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

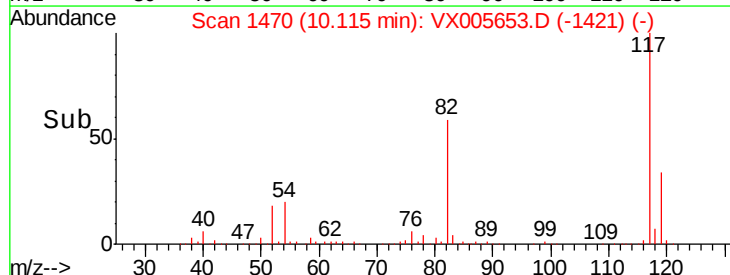
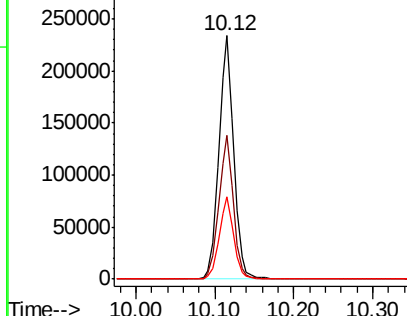


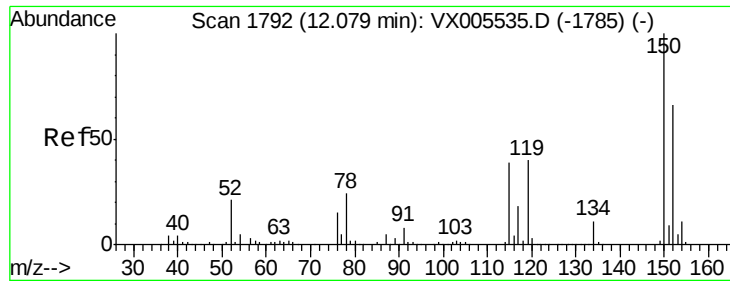
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005653.D
Acq: 29 Oct 2018 11:48

Tgt Ion: 117 Resp: 307524
Ion Ratio Lower Upper
117 100
82 59.2 44.1 66.1
119 33.8 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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005653.D

Acq: 29 Oct 2018 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBL01

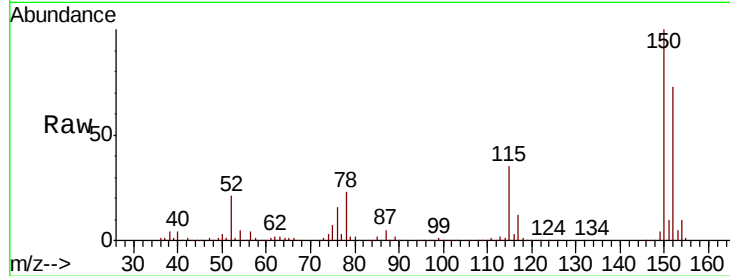
Tot Ion:152 Resp: 199340

Ion Ratio Lower Upper

152 100

115 50.5 39.4 118.1

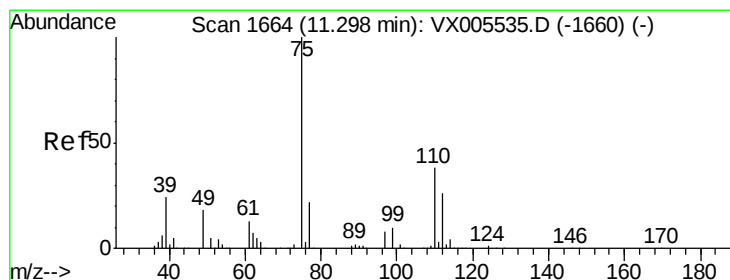
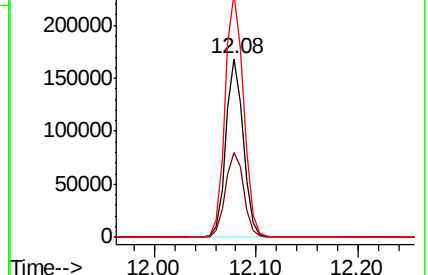
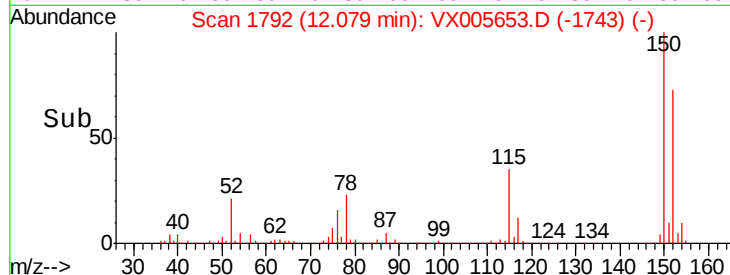
150 145.5 0.0 346.4



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



#76

1,2,3-Trichloropropane

Concen: 16.206 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005653.D

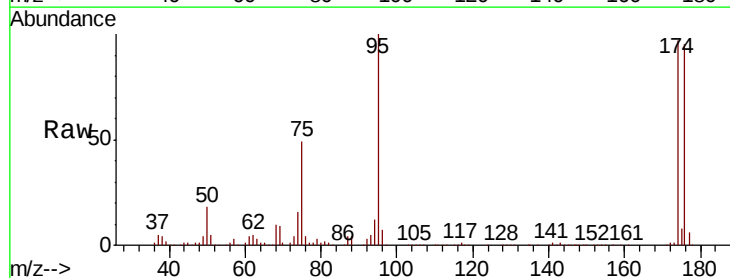
Acq: 29 Oct 2018 11:48

Tgt Ion: 75 Resp: 68445

Ion Ratio Lower Upper

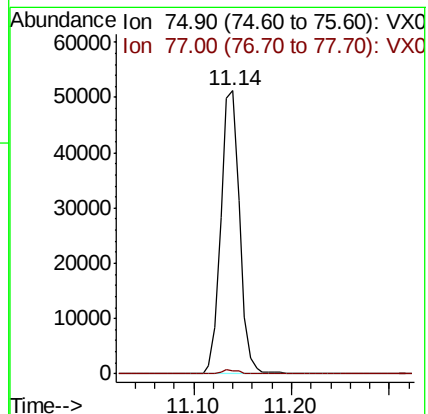
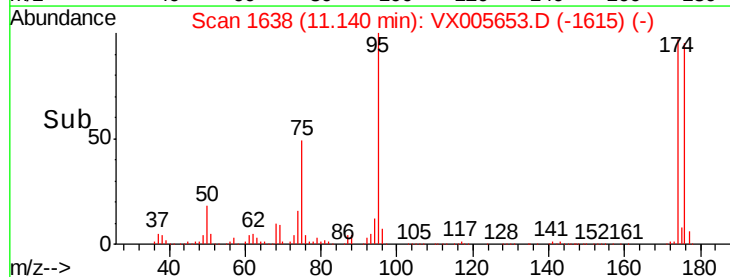
75 100

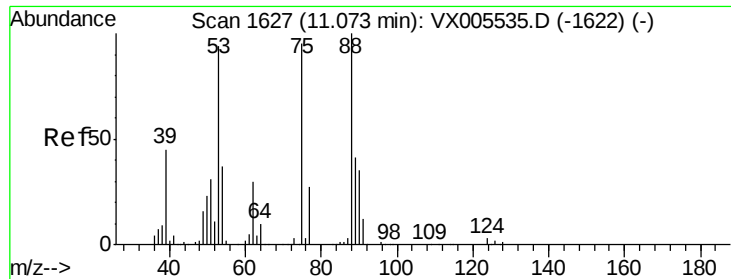
77 1.5 20.5 61.6#



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: 52.952 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005653.D

Acq: 29 Oct 2018 11:48

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBL01

Tot Ion: 75 Resp: 68445

Ion Ratio Lower Upper

75 100

53 0.3 80.2 120.2#

89 0.0 39.8 59.8#

