

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111218\
 Data File : VX005893.D
 Acq On : 12 Nov 2018 12:02
 Operator : JC/MD
 Sample : VX1112MBL01
 Misc : 5.00µL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112MBL01

Quant Time: Nov 13 04:38:57 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	96046	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	133208	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	119017	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	58626	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	58733	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	
35) Dibromofluoromethane	5.50	113	50006	55.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.38%	
50) Toluene-d8	8.71	98	155736	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
62) 4-Bromofluorobenzene	11.14	95	51207	47.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.56%	

Target Compounds

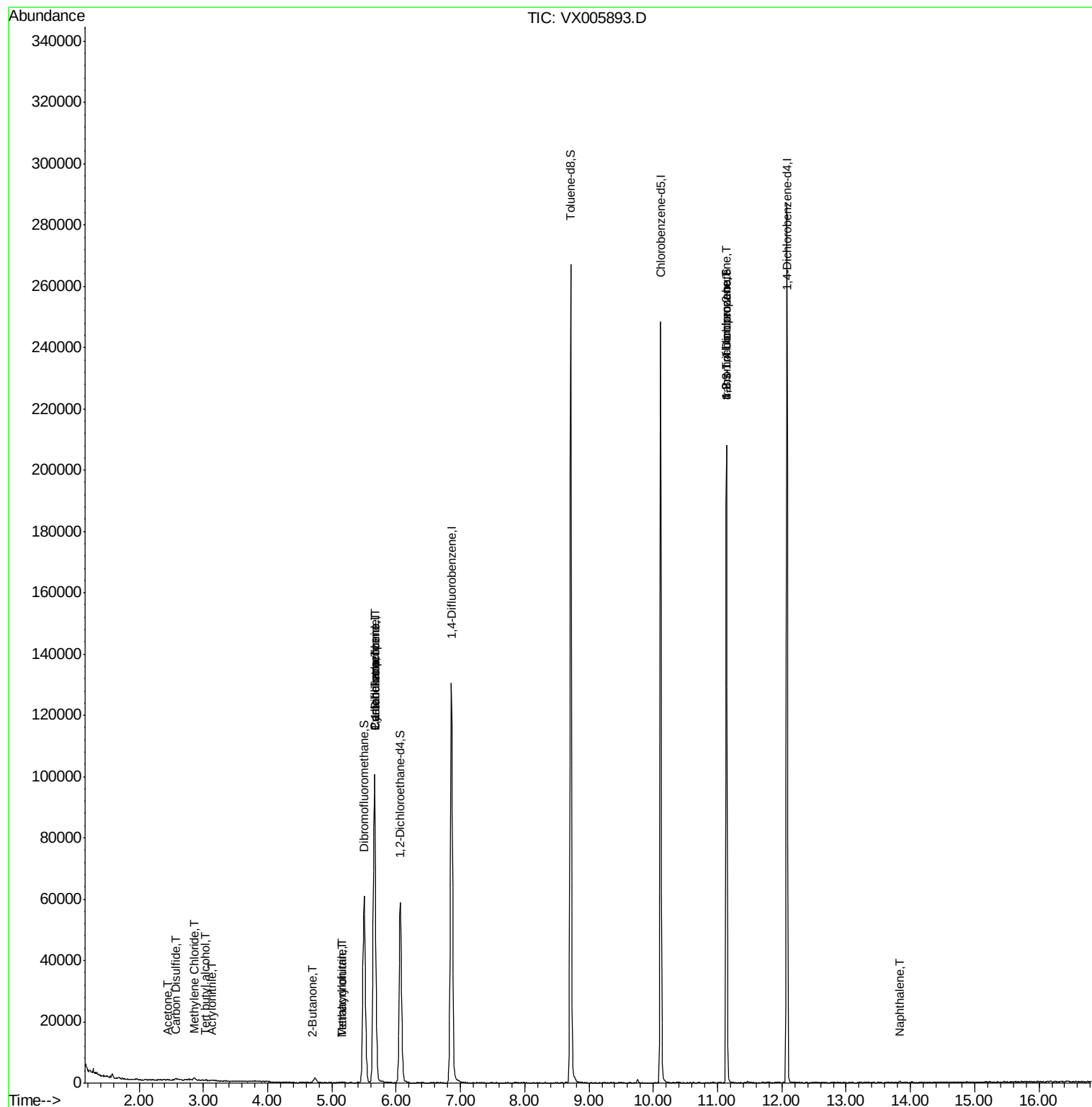
						Qvalue
11) Tert butyl alcohol	3.04	59	123	0.389	ug/l #	72
15) Acrylonitrile	3.14	53	243	0.371	ug/l #	81
16) Acetone	2.45	43	391	0.658	ug/l #	45
17) Carbon Disulfide	2.57	76	609	0.241	ug/l #	67
18) Methyl Acetate	2.77	43	411	Below Cal	#	55
20) Methylene Chloride	2.85	84	328	0.336	ug/l #	86
25) 2-Butanone	4.70	43	187	0.200	ug/l #	51
29) Tetrahydrofuran	5.16	42	343	0.572	ug/l #	41
31) Cyclohexane	5.66	56	1728	1.123	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	6737	5.246	ug/l #	49
38) Carbon Tetrachloride	5.67	117	8745	6.802	ug/l #	17
41) Methacrylonitrile	5.15	41	236	0.259	ug/l #	33
76) 1,2,3-Trichloropropane	11.14	75	26157	21.912	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	26157	69.836	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.81	105	59	Below Cal	#	31
95) Naphthalene	13.83	128	566	1.308	ug/l #	87

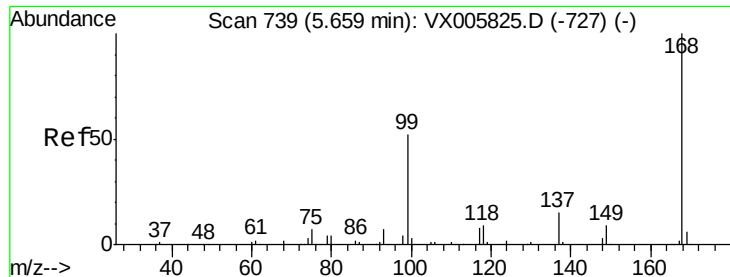
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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VX1112MBL01

Quant Time: Nov 13 04:38:57 2018
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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: VX005893.D

Acq: 12 Nov 2018 12:02

Instrument :

MSVOA_X

ClientSampleId :

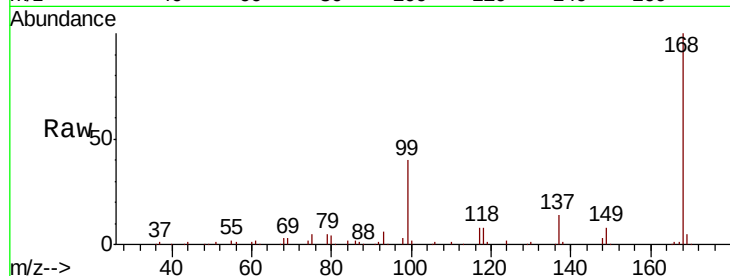
VX1112MBL01

Tot Ion:168 Resp: 96046

Ion Ratio Lower Upper

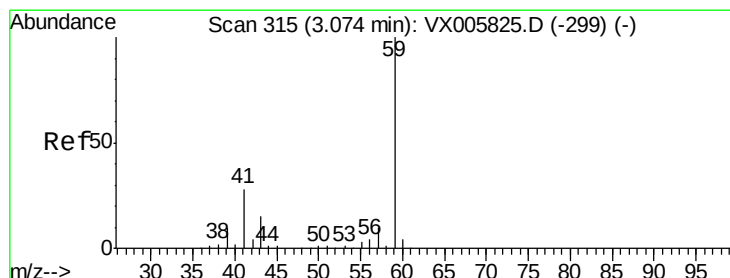
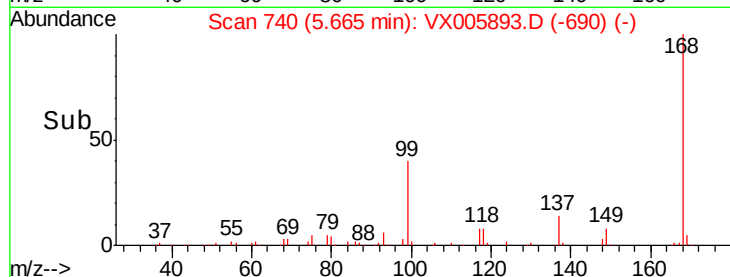
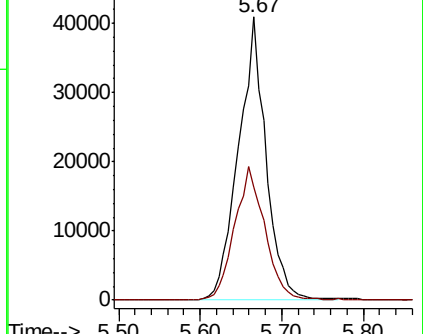
168 100

99 39.9 40.7 61.1#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 0.389 ug/l

RT: 3.04 min Scan# 309

Delta R.T. -0.04 min

Lab File: VX005893.D

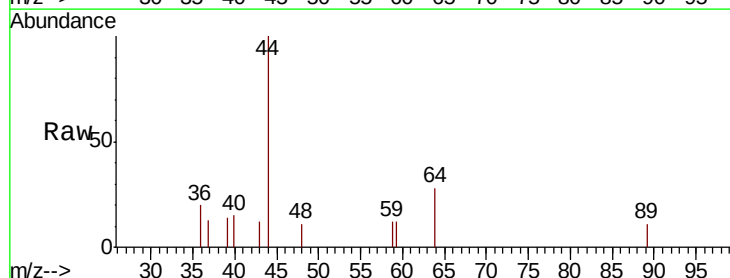
Acq: 12 Nov 2018 12:02

Tgt Ion: 59 Resp: 123

Ion Ratio Lower Upper

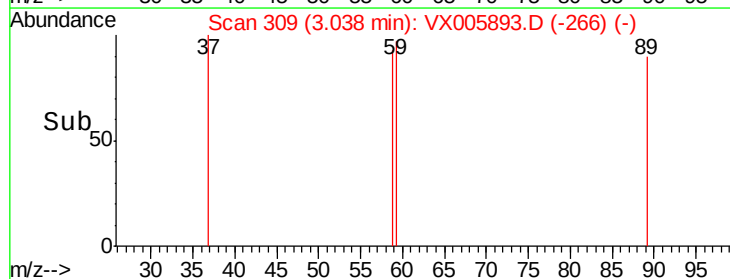
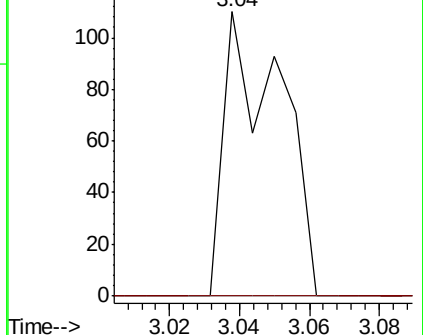
59 100

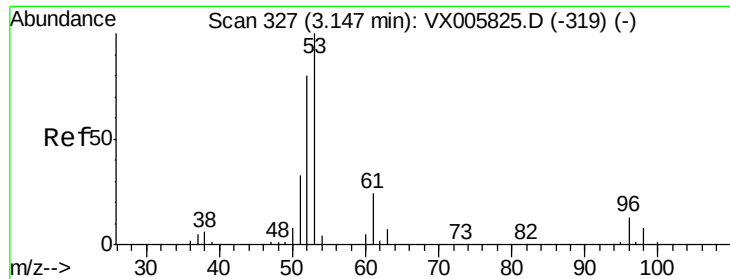
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#15

Acrylonitrile

Concen: 0.371 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX005893.D

Acq: 12 Nov 2018 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX1112MBL01

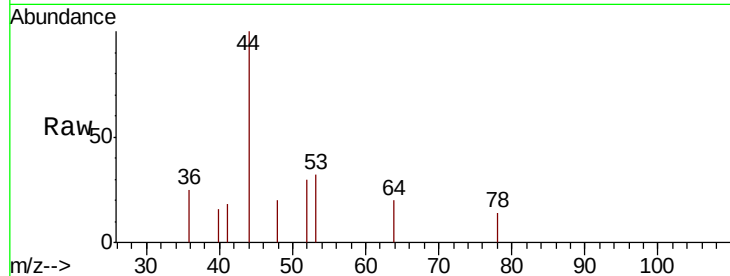
Tot Ion: 53 Resp: 243

Ion Ratio Lower Upper

53 100

52 81.9 66.6 99.8

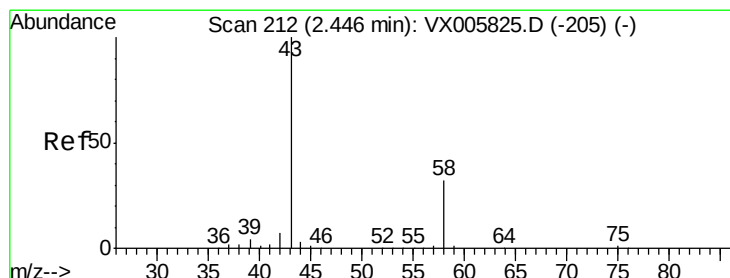
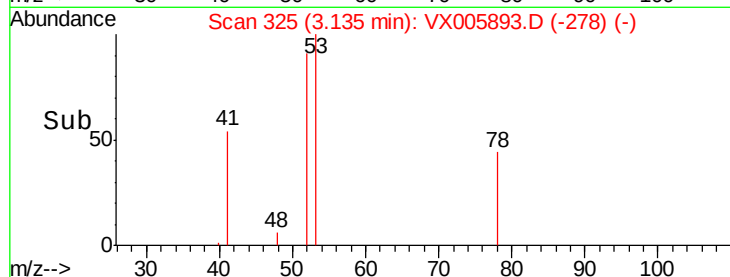
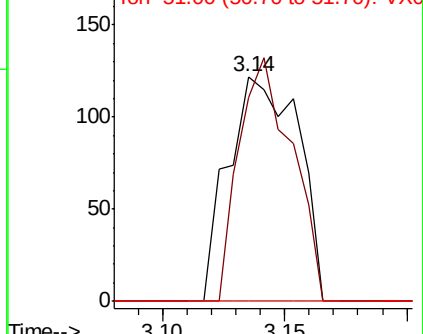
51 0.0 28.4 42.6#



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: 0.658 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005893.D

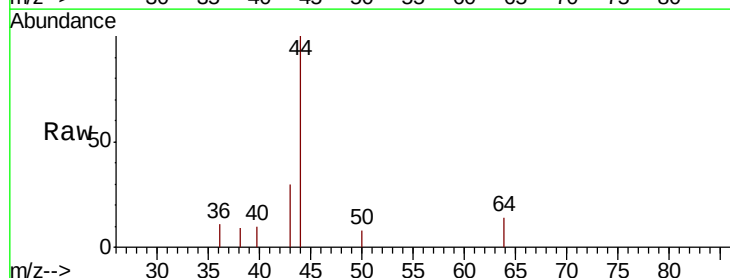
Acq: 12 Nov 2018 12:02

Tgt Ion: 43 Resp: 391

Ion Ratio Lower Upper

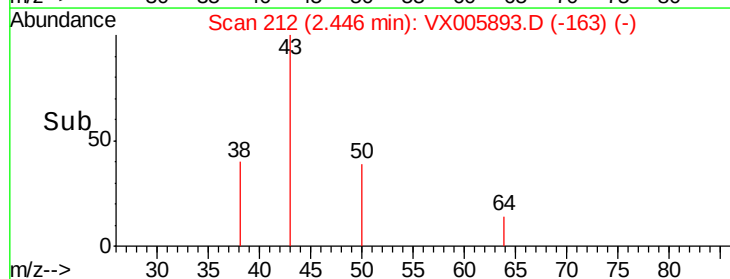
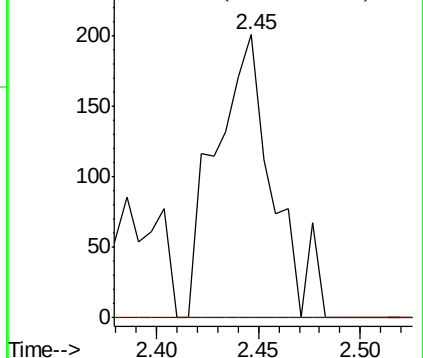
43 100

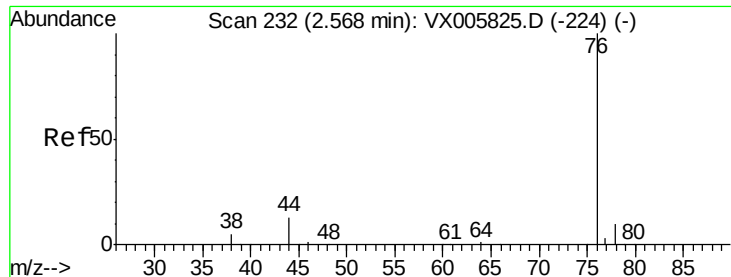
58 0.0 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

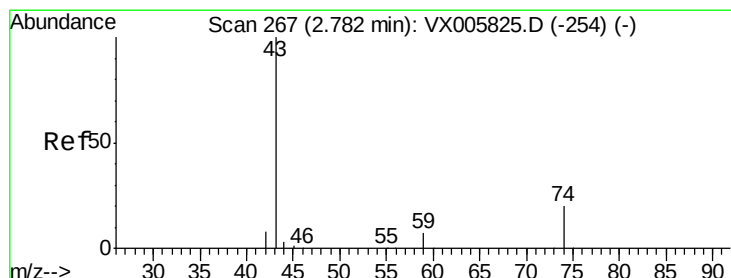
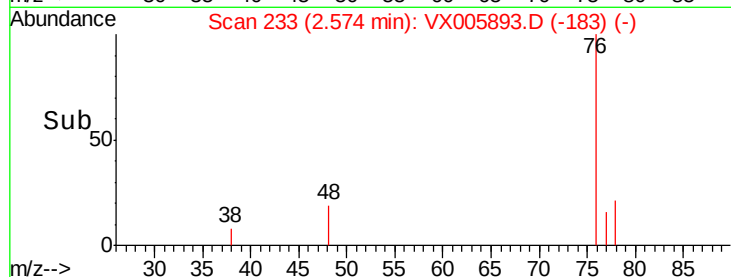
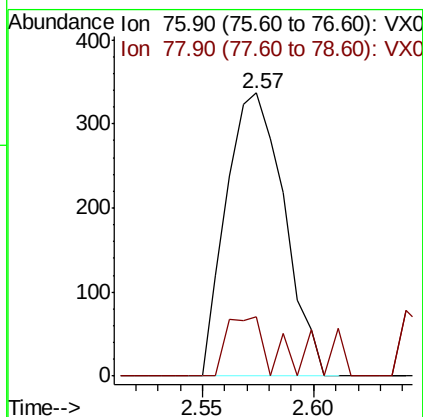
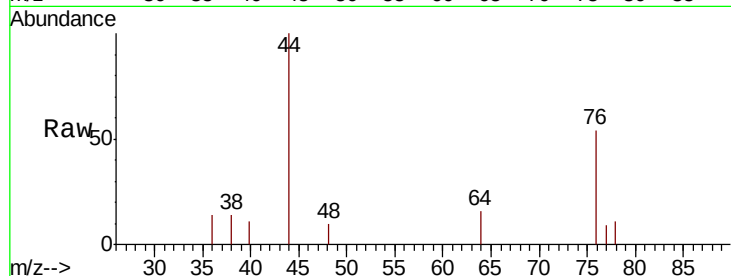




#17
Carbon Disulfide
Concen: 0.241 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX005893.D
Acq: 12 Nov 2018 12:02

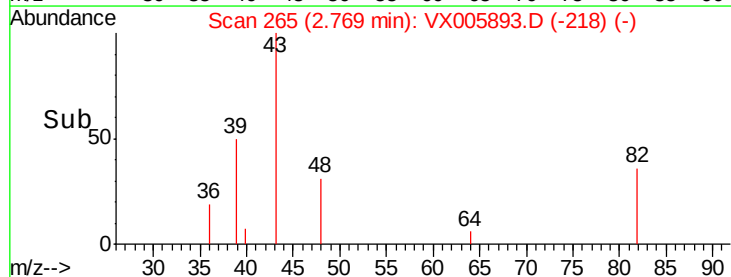
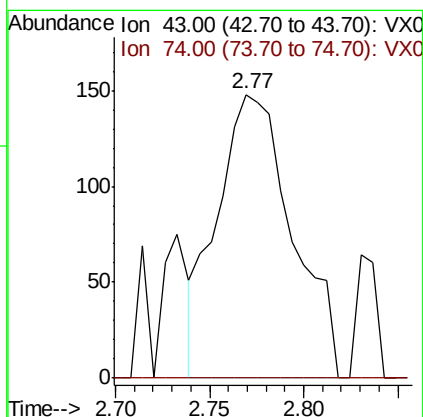
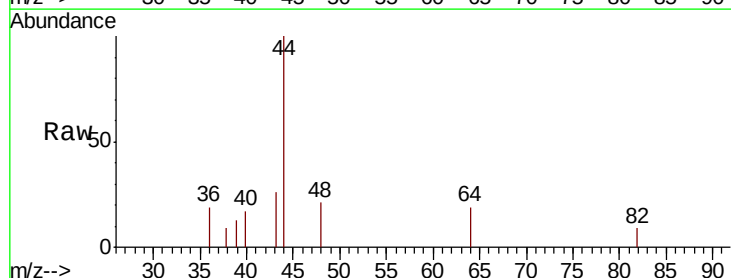
Instrument :
MSVOA_X
ClientSampleId :
VX1112MBL01

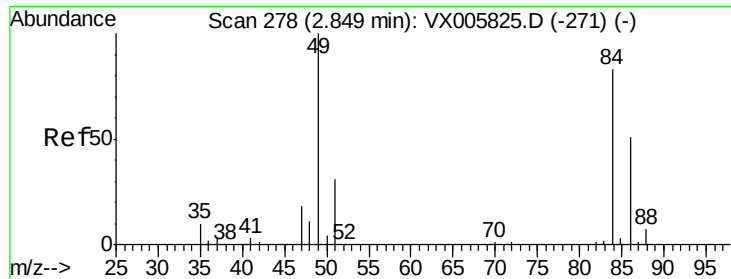
Tot Ion: 76 Resp: 609
Ion Ratio Lower Upper
76 100
78 21.1 7.3 10.9#



#18
Methyl Acetate
Concen: Below Cal
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX005893.D
Acq: 12 Nov 2018 12:02

Tgt Ion: 43 Resp: 411
Ion Ratio Lower Upper
43 100
74 0.0 16.8 25.2#

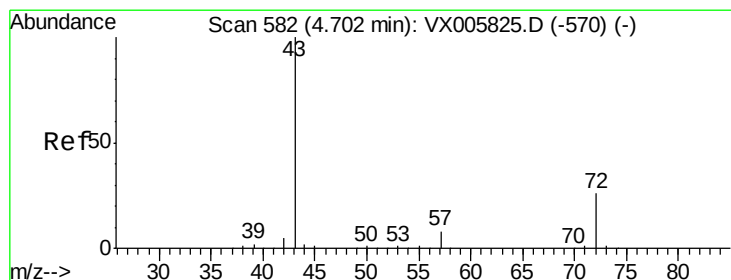
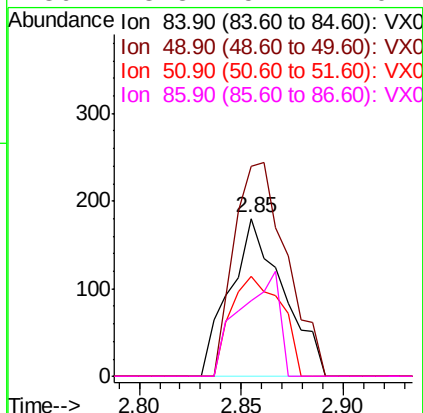
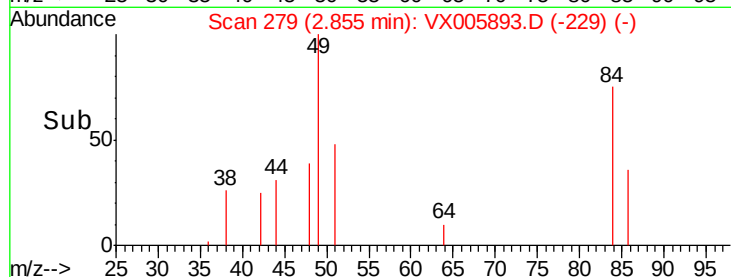
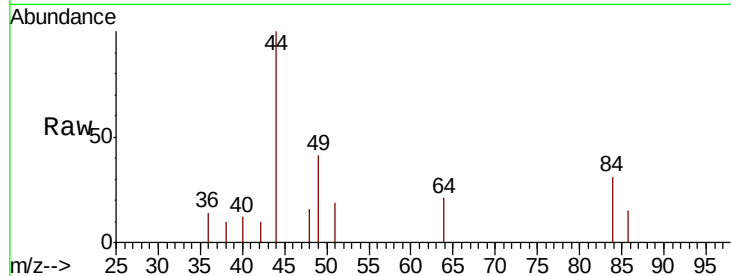




#20
Methylene Chloride
Concen: 0.336 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX005893.D
Acq: 12 Nov 2018 12:02

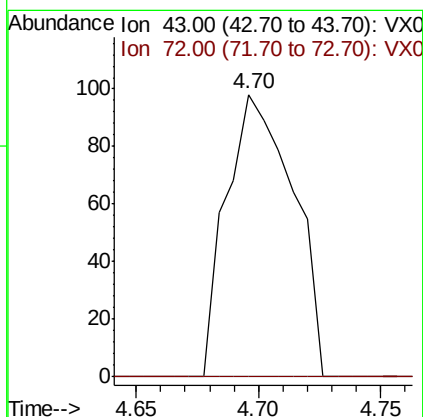
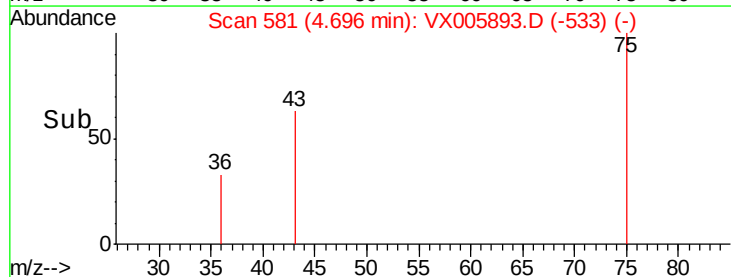
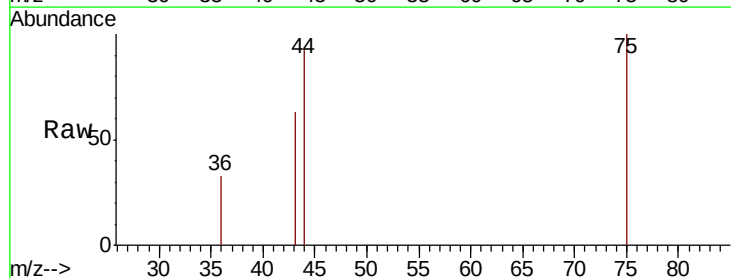
Instrument :
MSVOA_X
ClientSampled :
VX1112MBL01

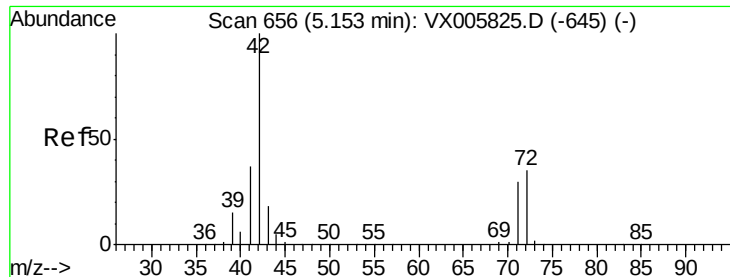
Tot Ion: 84 Resp: 328
Ion Ratio Lower Upper
84 100
49 132.8 109.5 164.3
51 63.3 33.3 49.9#
86 48.3 52.7 79.1#



#25
2-Butanone
Concen: 0.200 ug/l
RT: 4.70 min Scan# 581
Delta R.T. -0.01 min
Lab File: VX005893.D
Acq: 12 Nov 2018 12:02

Tgt Ion: 43 Resp: 187
Ion Ratio Lower Upper
43 100
72 0.0 19.2 28.8#





#29

Tetrahydrofuran

Concen: 0.572 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX005893.D

Acq: 12 Nov 2018 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX1112MBL01

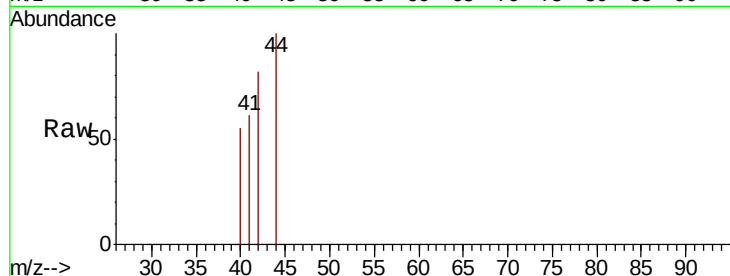
Tot Ion: 42 Resp: 343

Ion Ratio Lower Upper

42 100

72 0.0 32.0 48.0#

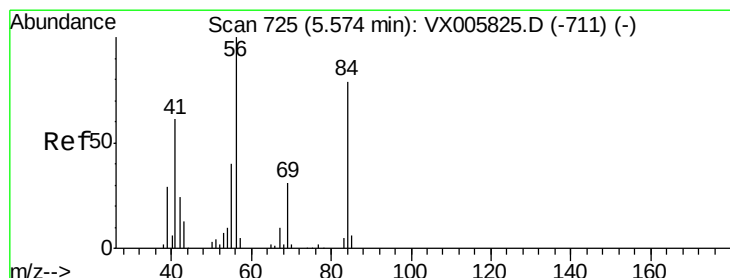
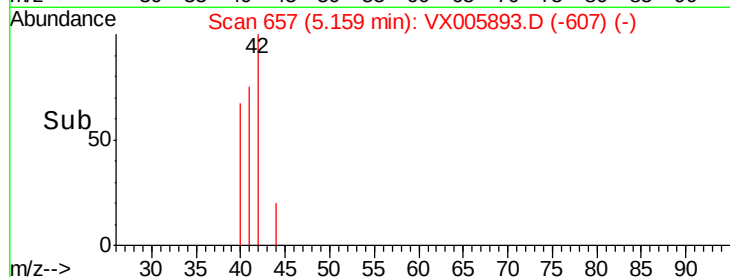
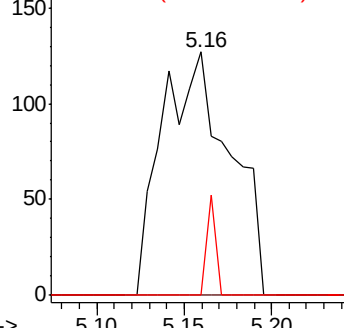
71 5.5 29.8 44.8#



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



#31

Cyclohexane

Concen: 1.123 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX005893.D

Acq: 12 Nov 2018 12:02

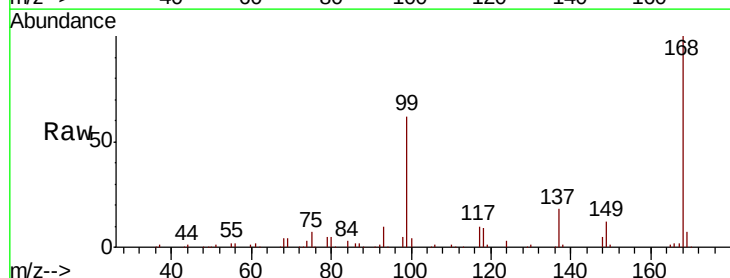
Tgt Ion: 56 Resp: 1728

Ion Ratio Lower Upper

56 100

69 191.8 22.6 34.0#

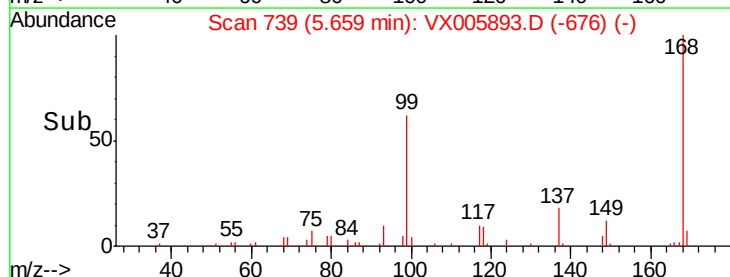
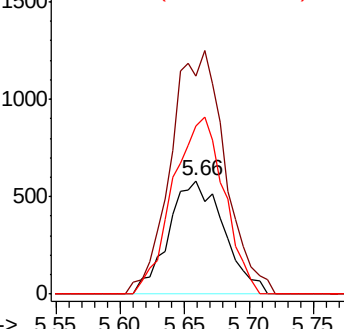
84 147.8 62.7 94.1#

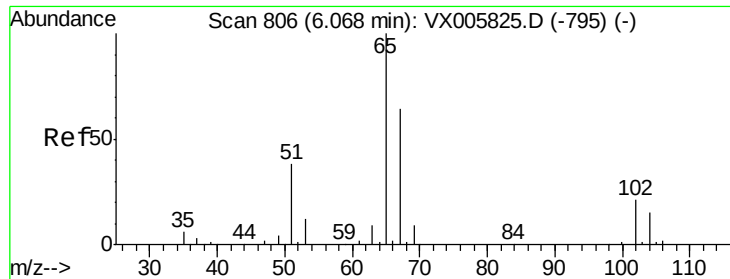


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

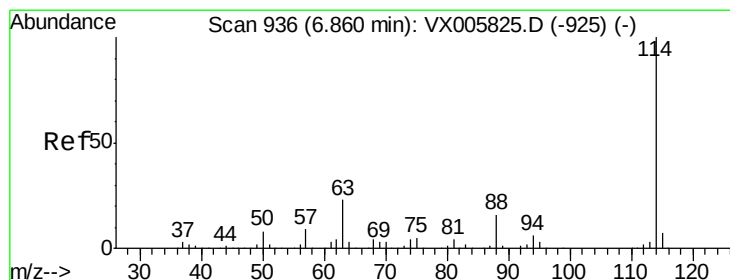
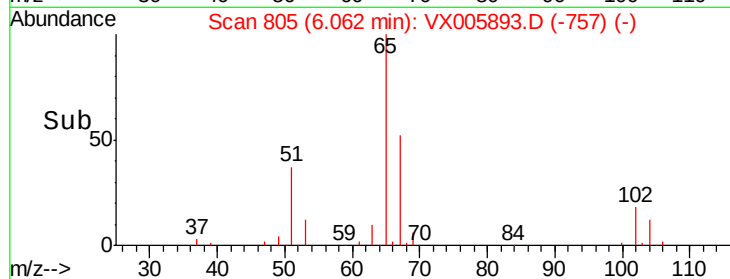
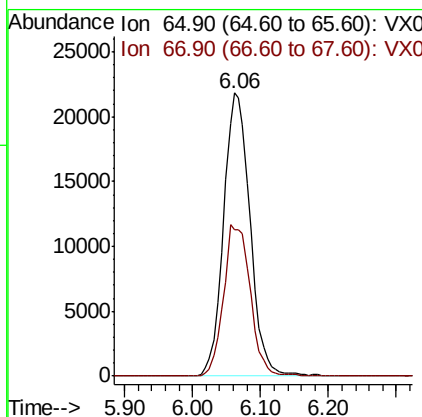
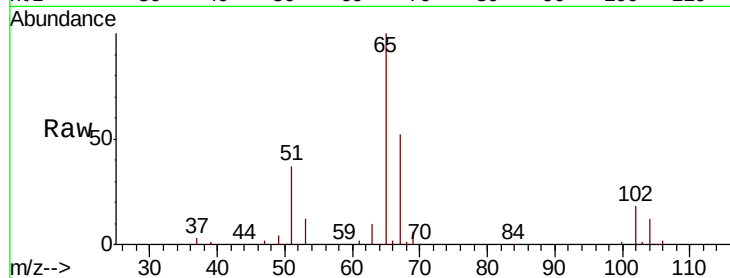




#33
 1,2-Dichloroethane-d4
 Concen: 53.192 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX005893.D
 Acq: 12 Nov 2018 12:02

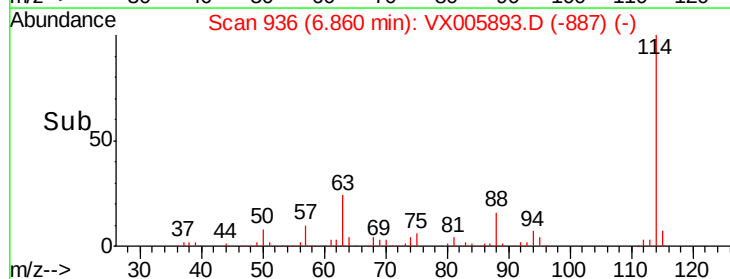
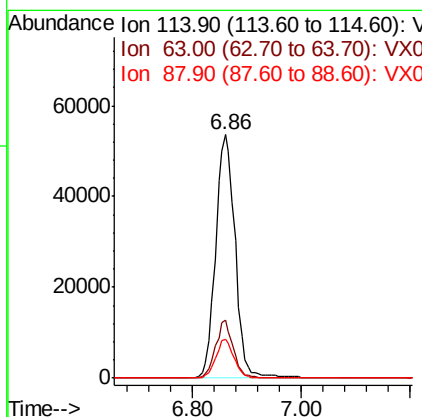
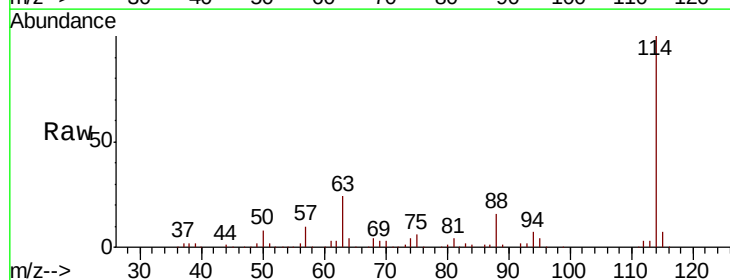
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112MBL01

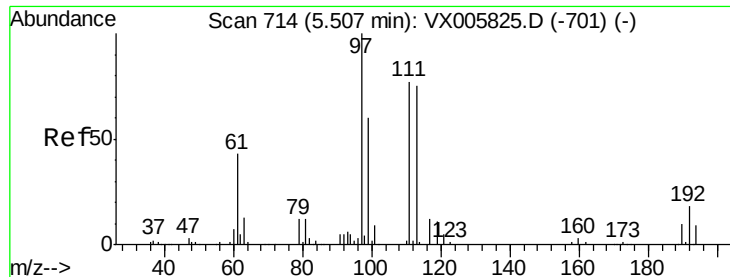
Tot Ion: 65 Resp: 58733
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005893.D
 Acq: 12 Nov 2018 12:02

Tgt Ion: 114 Resp: 133208
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 42.8
 88 15.9 0.0 31.2





#35

Dibromofluoromethane

Concen: 55.193 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX005893.D

Acq: 12 Nov 2018 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX1112MBL01

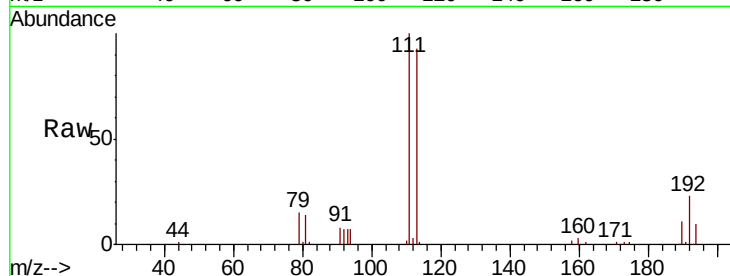
Tot Ion:113 Resp: 50006

Ion Ratio Lower Upper

113 100

111 104.5 82.3 123.5

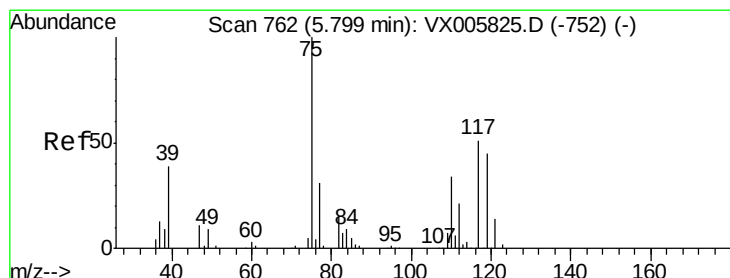
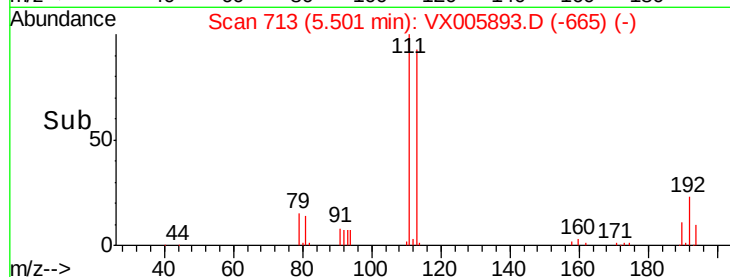
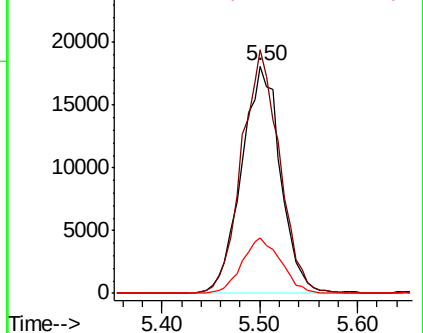
192 24.4 17.9 26.9



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: 5.246 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX005893.D

Acq: 12 Nov 2018 12:02

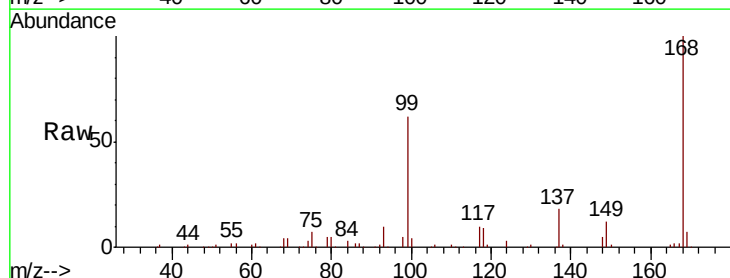
Tgt Ion: 75 Resp: 6737

Ion Ratio Lower Upper

75 100

110 9.2 17.4 52.2#

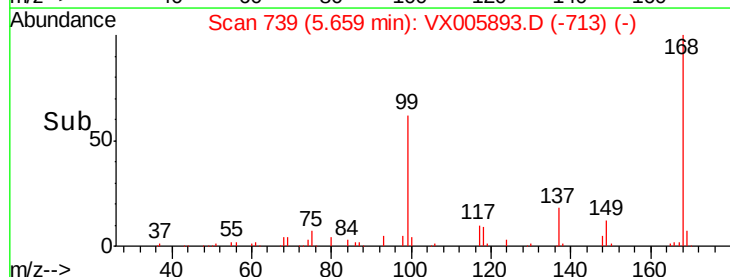
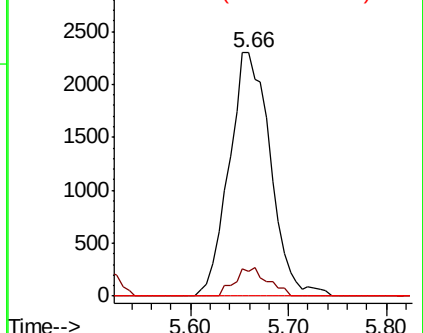
77 0.0 25.8 38.6#

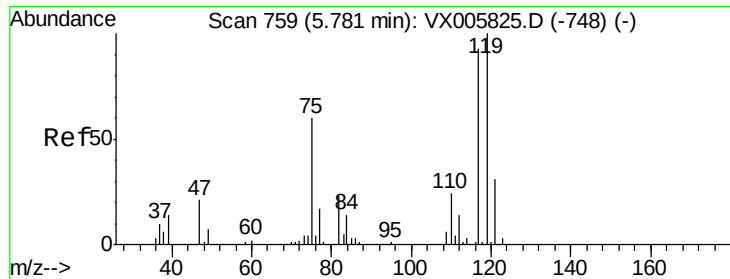


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

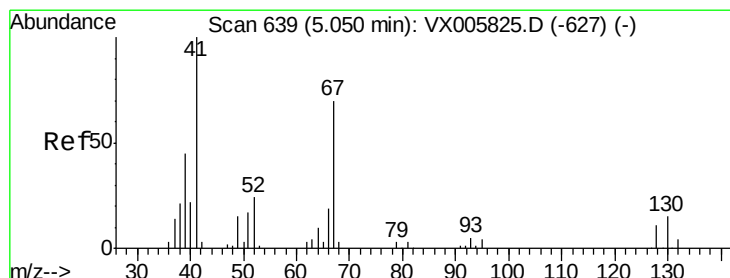
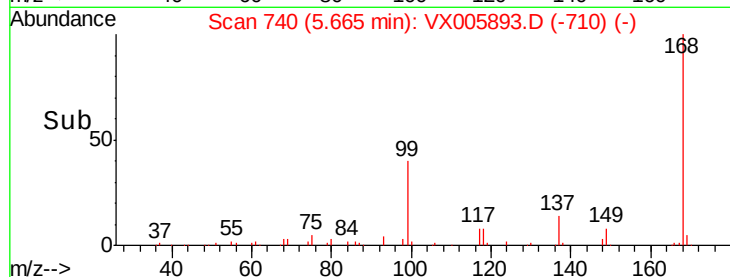
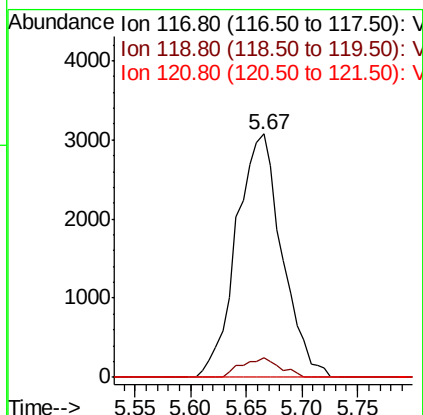
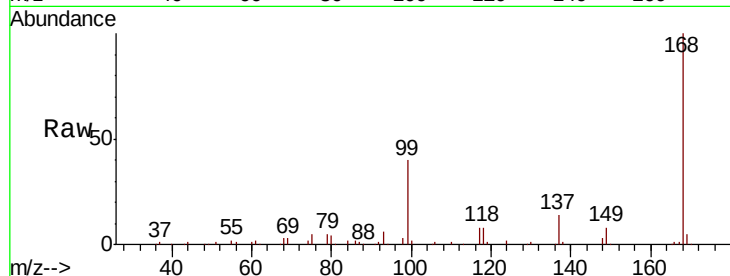




#38
Carbon Tetrachloride
Concen: 6.802 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX005893.D
Acq: 12 Nov 2018 12:02

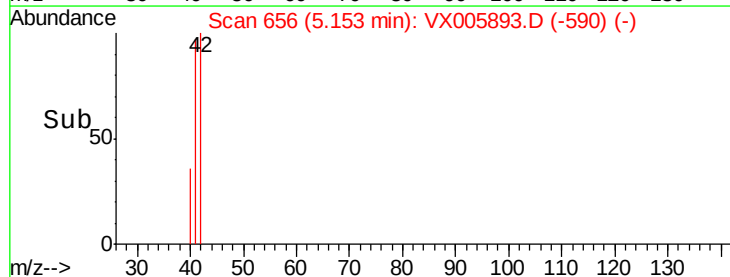
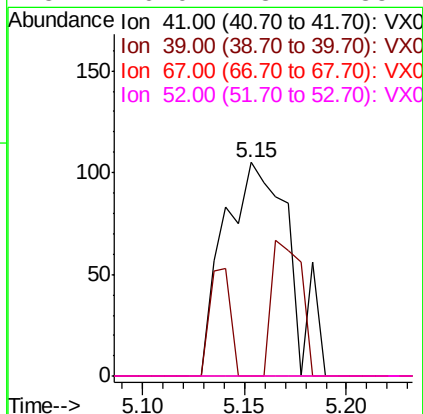
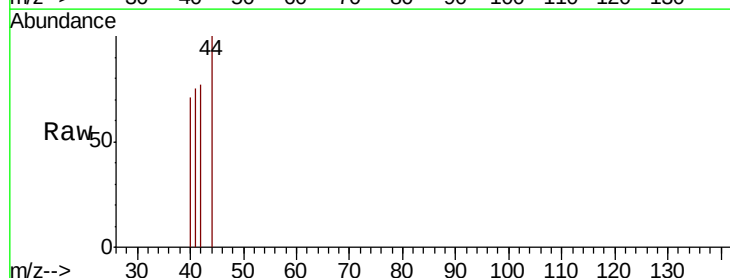
Instrument :
MSVOA_X
ClientSampleId :
VX1112MBL01

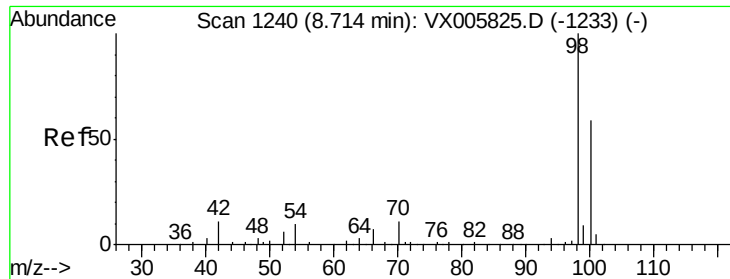
Tot Ion:117 Resp: 8745
Ion Ratio Lower Upper
117 100
119 7.8 78.1 117.1#
121 0.0 24.6 36.8#



#41
Methacrylonitrile
Concen: 0.259 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.10 min
Lab File: VX005893.D
Acq: 12 Nov 2018 12:02

Tgt Ion: 41 Resp: 236
Ion Ratio Lower Upper
41 100
39 16.1 42.2 63.2#
67 0.0 53.4 80.0#
52 0.0 23.4 35.2#

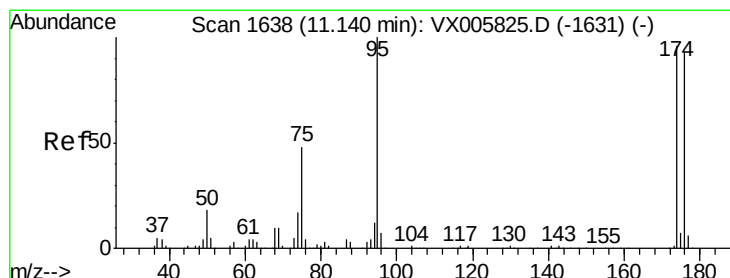
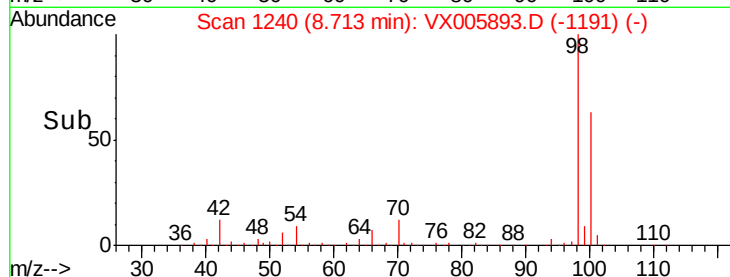
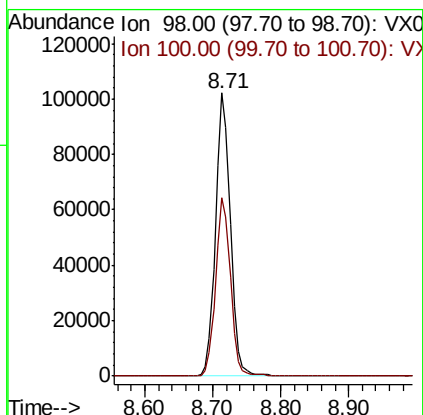
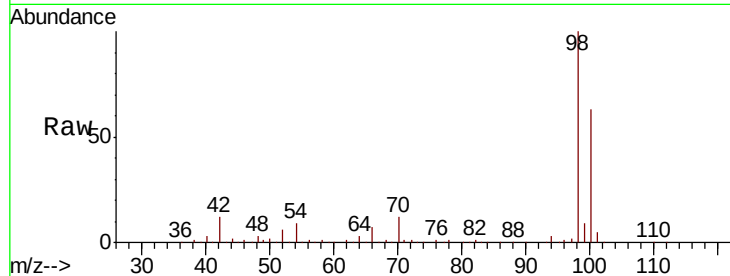




#50
Toluene-d8
Concen: 51.703 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005893.D
Acq: 12 Nov 2018 12:02

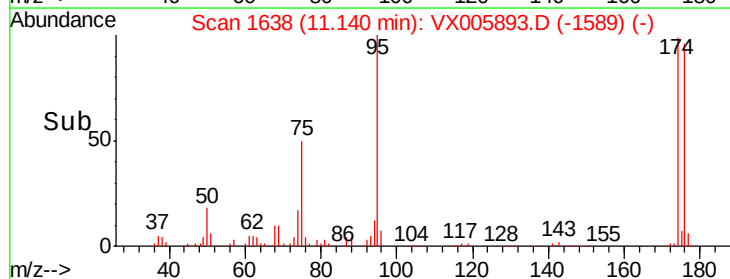
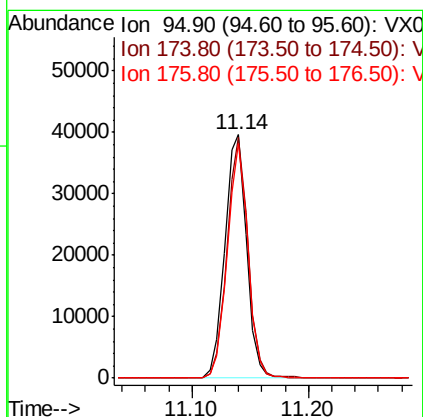
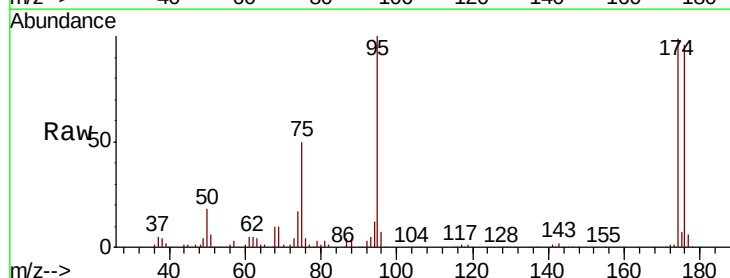
Instrument :
MSVOA_X
ClientSampleId :
VX1112MBL01

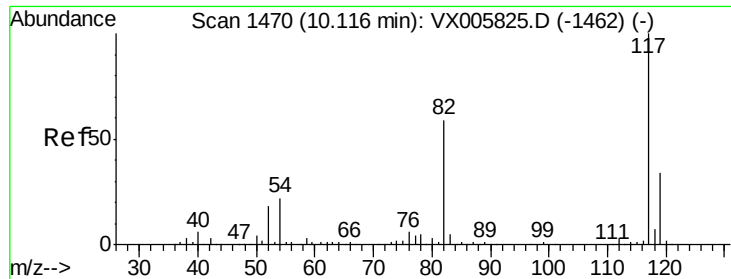
Tot Ion: 98 Resp: 155736
Ion Ratio Lower Upper
98 100
100 62.9 51.3 76.9



#62
4-Bromofluorobenzene
Concen: 47.284 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005893.D
Acq: 12 Nov 2018 12:02

Tgt Ion: 95 Resp: 51207
Ion Ratio Lower Upper
95 100
174 95.4 0.0 184.4
176 91.7 0.0 177.4

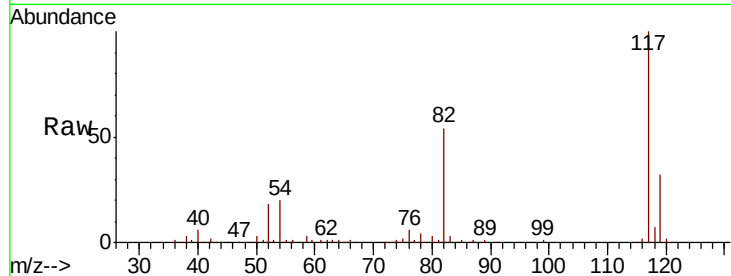




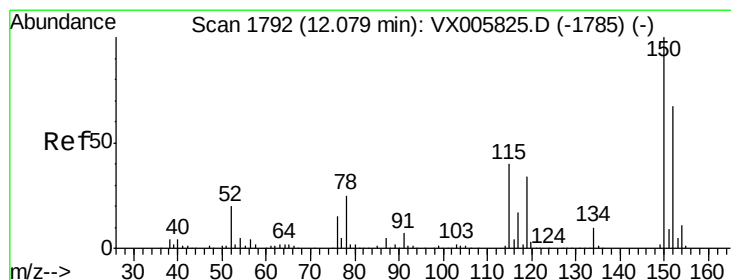
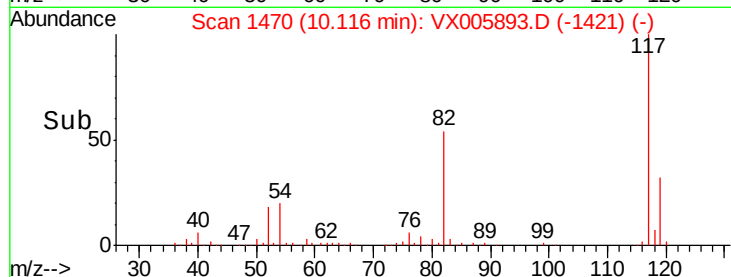
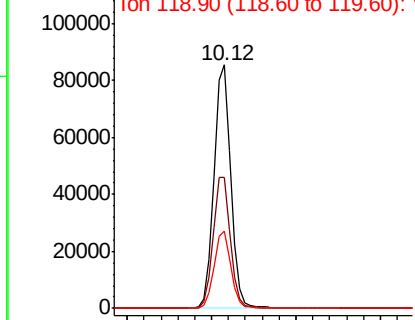
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005893.D
Acq: 12 Nov 2018 12:02

Instrument :
MSVOA_X
ClientSampled :
VX1112MBL01

Tot Ion:117 Resp: 119017
Ion Ratio Lower Upper
117 100
82 53.6 44.1 66.1
119 31.9 26.2 39.2

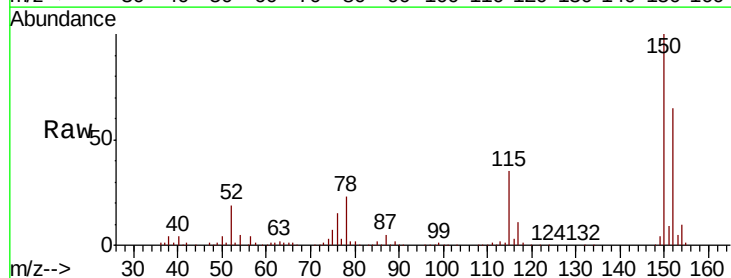


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

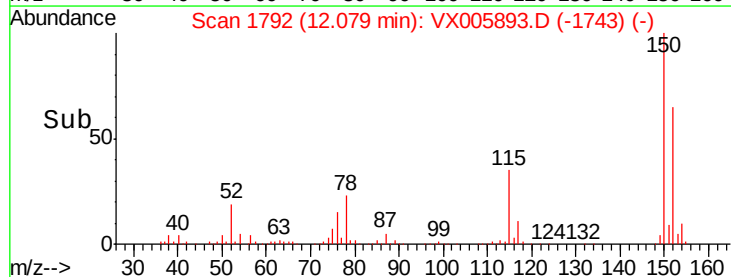
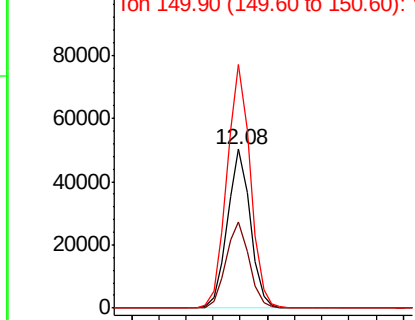


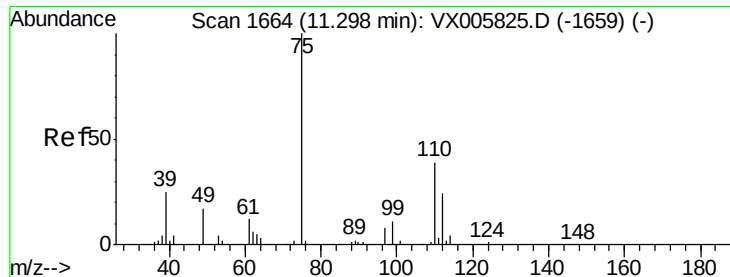
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005893.D
Acq: 12 Nov 2018 12:02

Tgt Ion:152 Resp: 58626
Ion Ratio Lower Upper
152 100
115 55.2 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

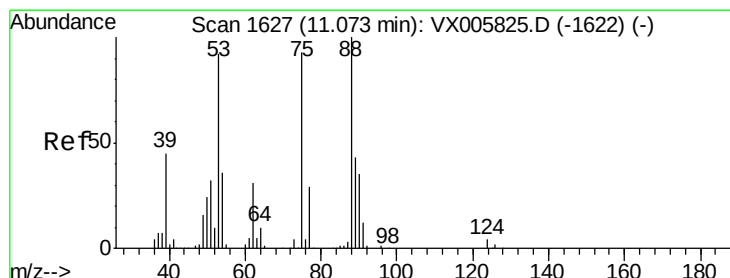
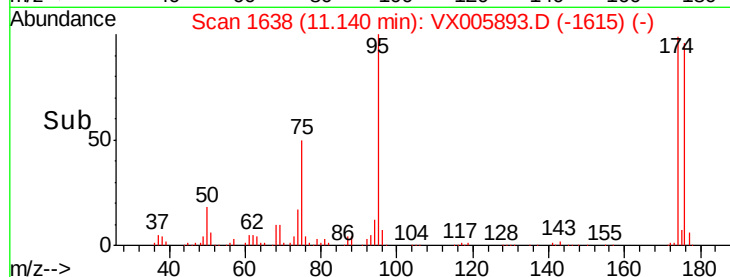
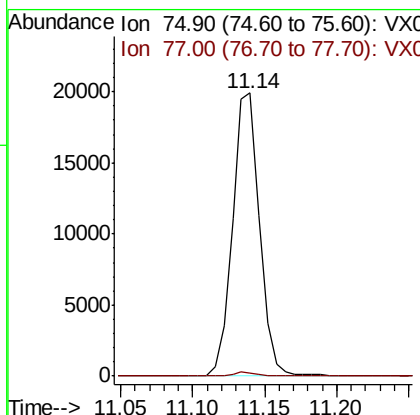
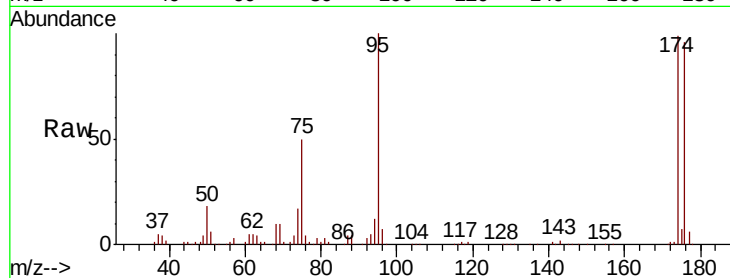




#76
 1,2,3-Trichloropropane
 Concen: 21.912 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX005893.D
 Acq: 12 Nov 2018 12:02

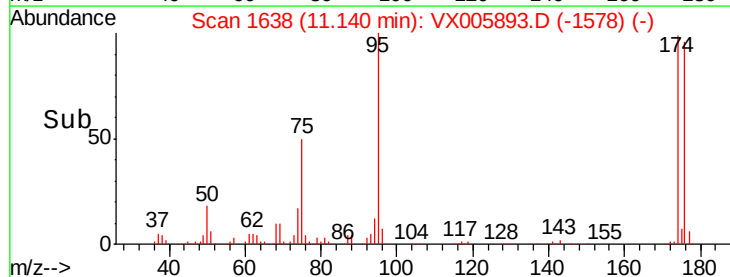
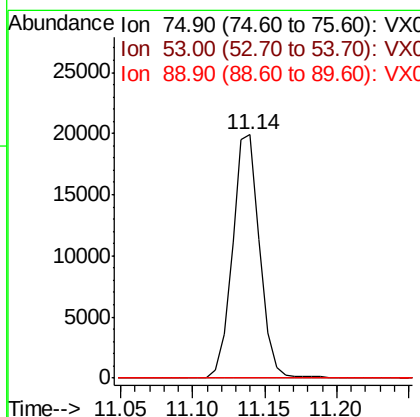
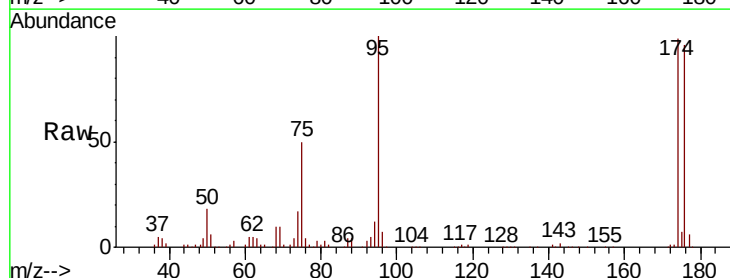
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112MBL01

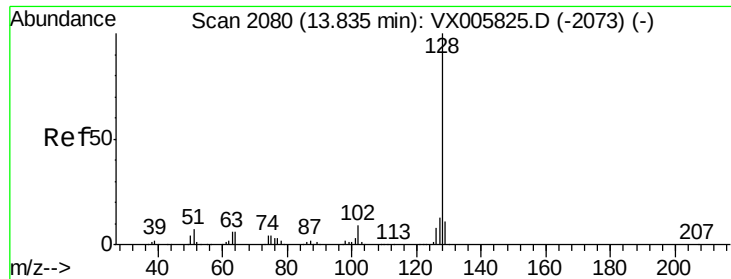
Tot Ion: 75 Resp: 26157
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.5 61.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.836 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX005893.D
 Acq: 12 Nov 2018 12:02

Tgt Ion: 75 Resp: 26157
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.2 120.2#
 89 0.0 39.8 59.8#





#95
 Naphthalene
 Concen: 1.308 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX005893.D
 Acq: 12 Nov 2018 12:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112MBL01

Tot Ion	Ratio	Lower	Upper
128	100		
127	9.9	10.4	15.6#
129	3.4	8.7	13.1#

