

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091718\
 Data File : VX004630.D
 Acq On : 17 Sep 2018 20:25
 Operator : JC/MD
 Sample : PB112894ZHE#05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 18 00:56:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	229399	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	313548	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	304381	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	169409	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	139387	47.12	ug/l	0.00
Spiked Amount			Recovery	=	94.24%	
35) Dibromofluoromethane	5.50	113	134133	46.75	ug/l	0.00
Spiked Amount			Recovery	=	93.50%	
50) Toluene-d8	8.71	98	453976	47.18	ug/l	0.00
Spiked Amount			Recovery	=	94.36%	
62) 4-Bromofluorobenzene	11.14	95	152804	44.49	ug/l	0.00
Spiked Amount			Recovery	=	88.98%	

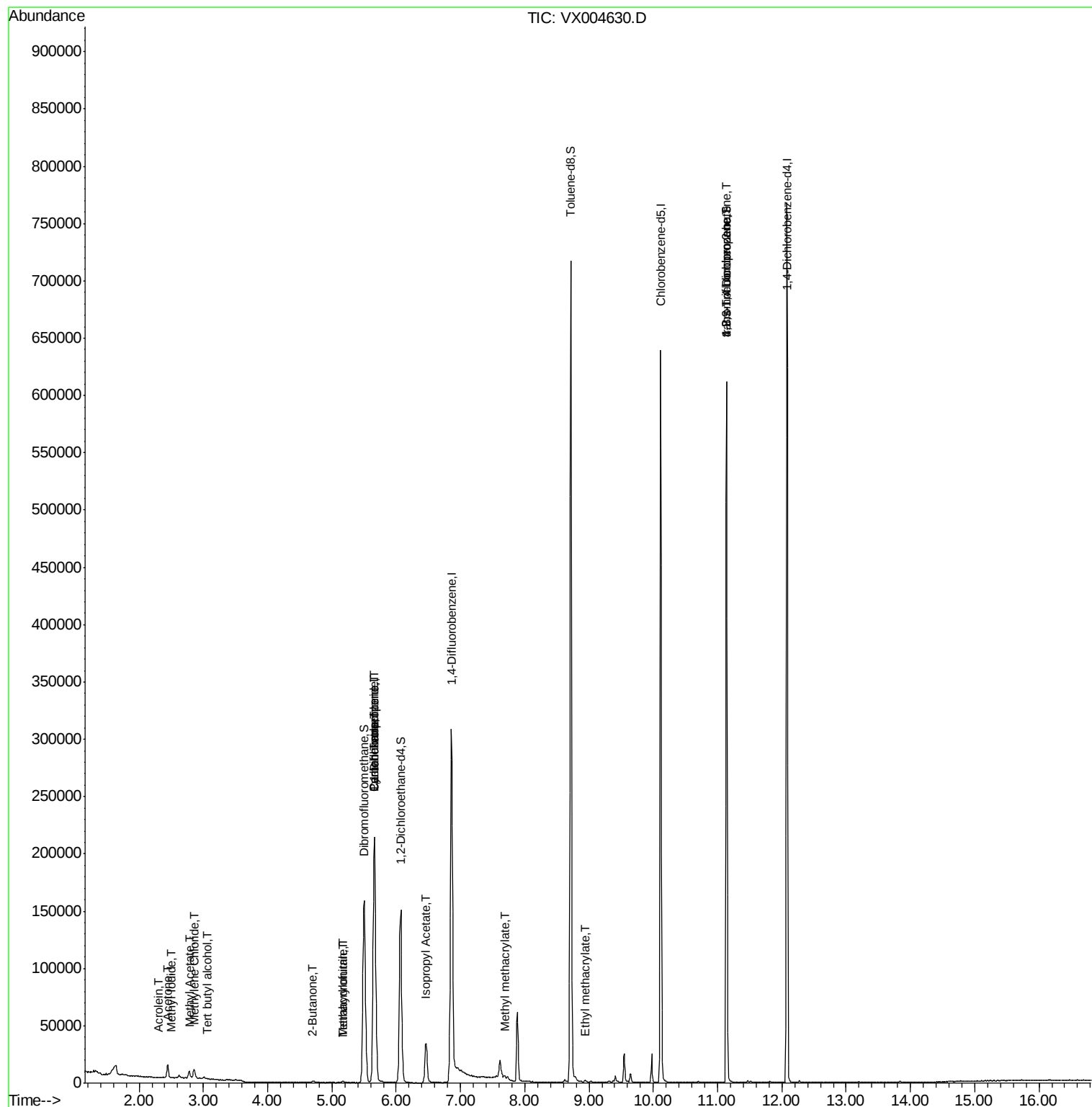
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	815	Below Cal		92
10) Methyl Iodide	2.51	142	258	4.33	ug/l #	72
11) Tert butyl alcohol	3.07	59	233	0.33	ug/l	95
13) Acrolein	2.29	56	82	0.29	ug/l #	13
16) Acetone	2.45	43	11874	8.22	ug/l	94
18) Methyl Acetate	2.78	43	7983	1.97	ug/l	100
20) Methylene Chloride	2.85	84	3647	1.23	ug/l	96
25) 2-Butanone	4.70	43	2821	1.23	ug/l	93
29) Tetrahydrofuran	5.16	42	1086	0.78	ug/l #	61
31) Cyclohexane	5.66	56	3695	0.86	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14235	3.74	ug/l #	50
38) Carbon Tetrachloride	5.67	117	19467	5.24	ug/l #	16
41) Methacrylonitrile	5.18	41	746	0.31	ug/l #	35
43) Isopropyl Acetate	6.46	43	46327	8.06	ug/l	99
48) Methyl methacrylate	7.69	41	3408	1.20	ug/l #	22
56) Ethyl methacrylate	8.94	69	895	0.22	ug/l #	88
76) 1,2,3-Trichloropropane	11.14	75	70794	20.77	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	70794	66.21	ug/l #	10

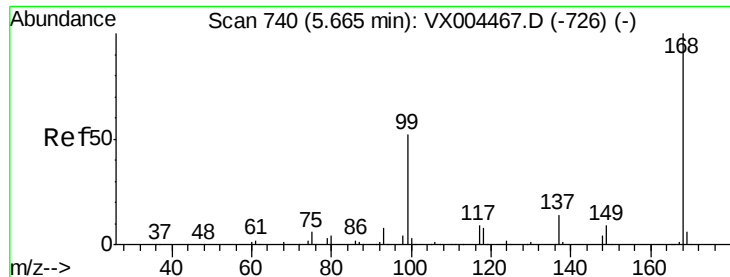
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091718\
Data File : VX004630.D
Acq On : 17 Sep 2018 20:25
Operator : JC/MD
Sample : PB112894ZHE#05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Sep 18 00:56:20 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004630.D

Acq: 17 Sep 2018 20:25

Instrument :

MSVOA_X

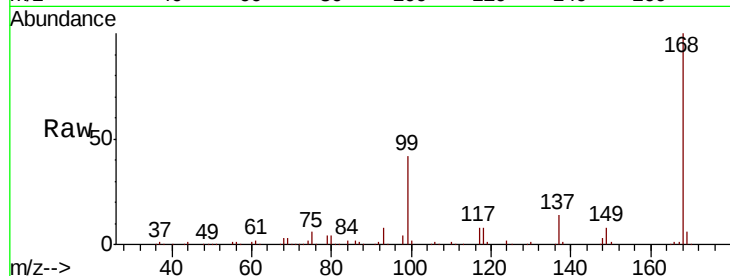
ClientSampled :

Tot Ion:168 Resp: 229399

Ion Ratio Lower Upper

168 100

99 42.4 39.9 59.9

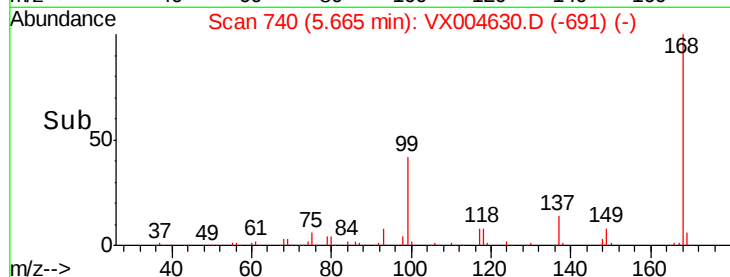


Abundance Ion 167.90 (167.60 to 168.60): V

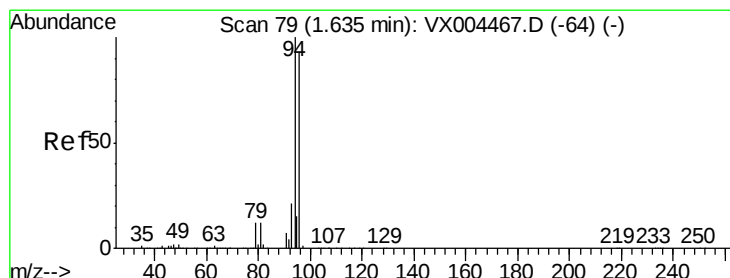
Ion 98.90 (98.60 to 99.60): VX0

5.67

Time-->



Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004630.D

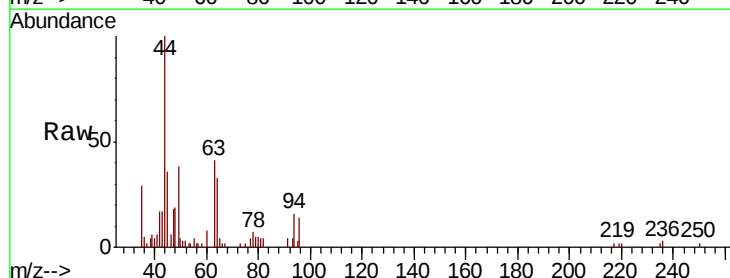
Acq: 17 Sep 2018 20:25

Tgt Ion: 94 Resp: 815

Ion Ratio Lower Upper

94 100

96 85.4 74.5 111.7

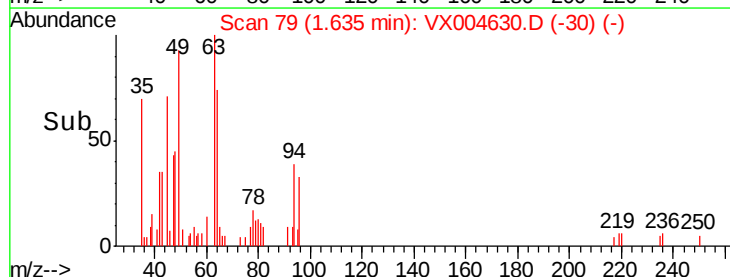


Abundance Ion 93.90 (93.60 to 94.60): VX0

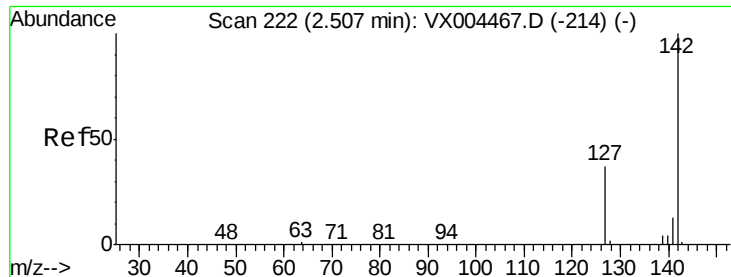
Ion 95.90 (95.60 to 96.60): VX0

1.64

Time-->



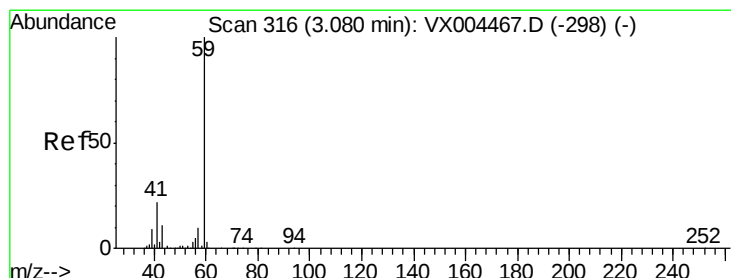
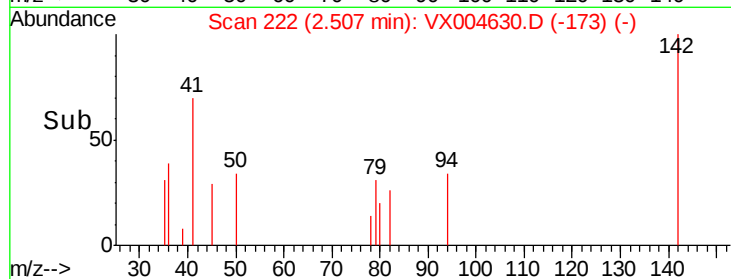
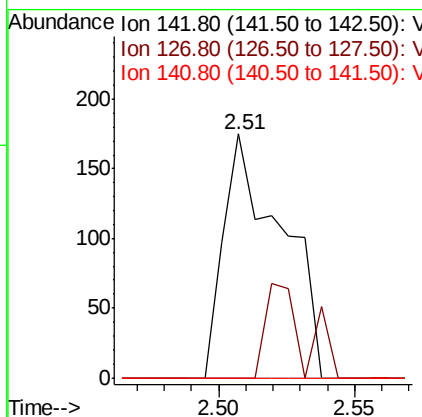
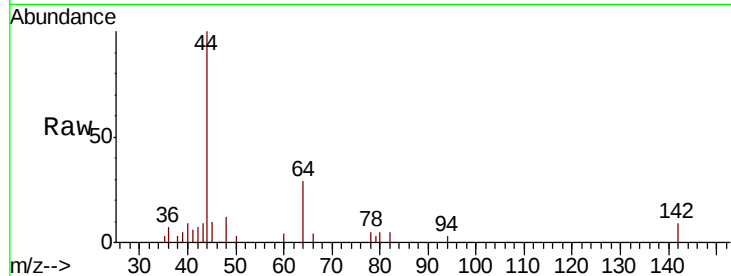
Time-->



#10
Methvl Iodide
Concen: 4.33 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX004630.D
Acq: 17 Sep 2018 20:25

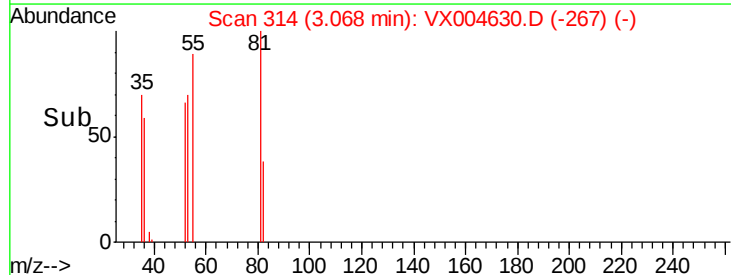
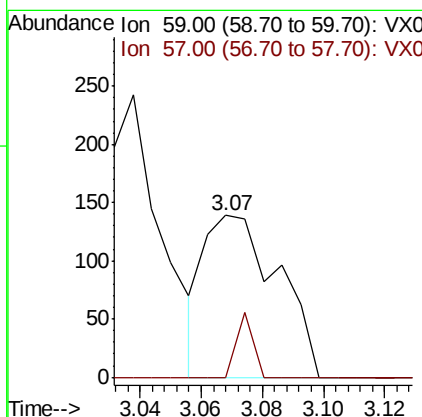
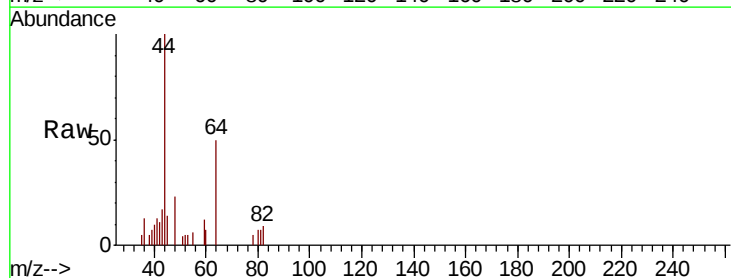
Instrument :
MSVOA_X
ClientSampleId :

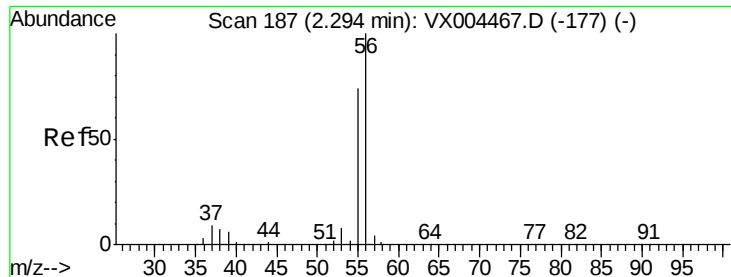
Tot Ion:142 Resp: 258
Ion Ratio Lower Upper
142 100
127 26.0 33.8 50.6#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.33 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX004630.D
Acq: 17 Sep 2018 20:25

Tgt Ion: 59 Resp: 233
Ion Ratio Lower Upper
59 100
57 8.6 8.2 12.4





#13

Acrolein

Concen: 0.29 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004630.D

Acq: 17 Sep 2018 20:25

Instrument :

MSVOA_X

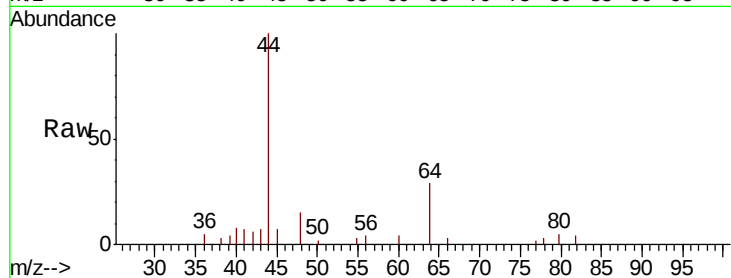
ClientSampleId :

Tot Ion: 56 Resp: 82

Ion Ratio Lower Upper

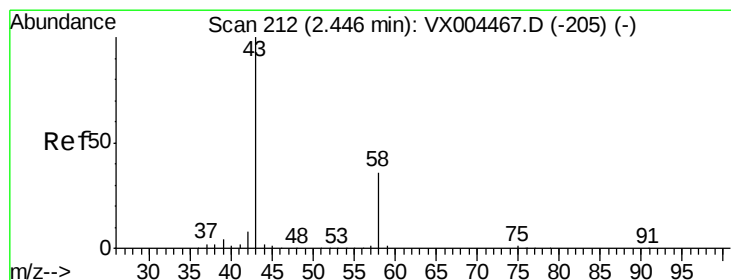
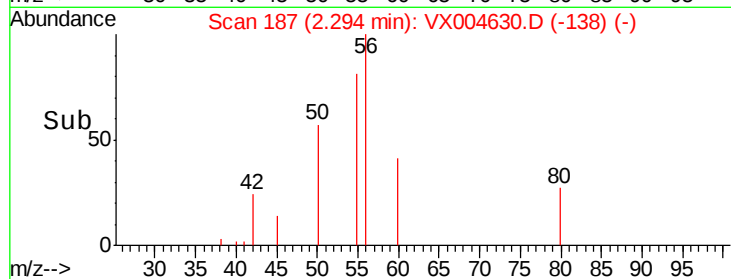
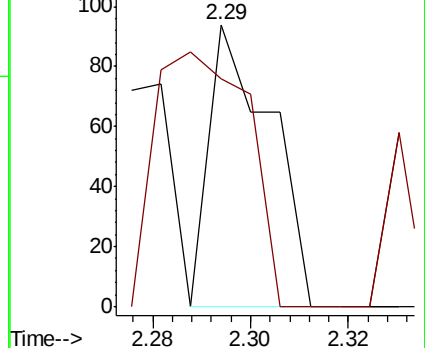
56 100

55 139.0 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 8.22 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004630.D

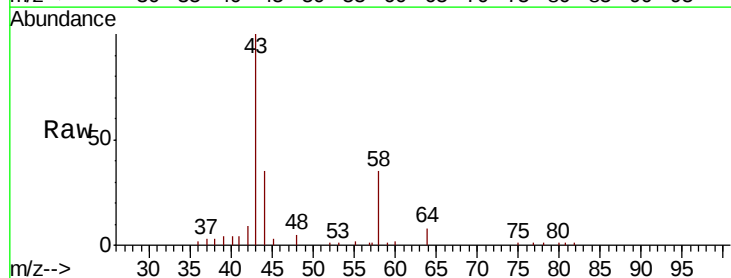
Acq: 17 Sep 2018 20:25

Tgt Ion: 43 Resp: 11874

Ion Ratio Lower Upper

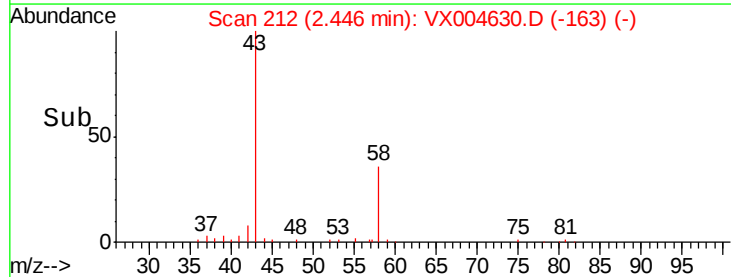
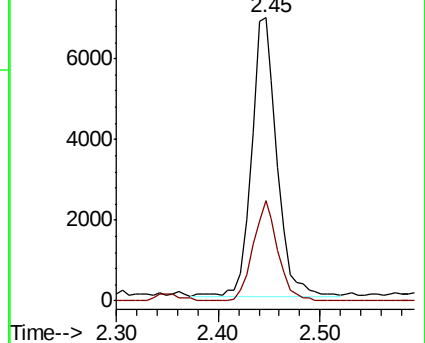
43 100

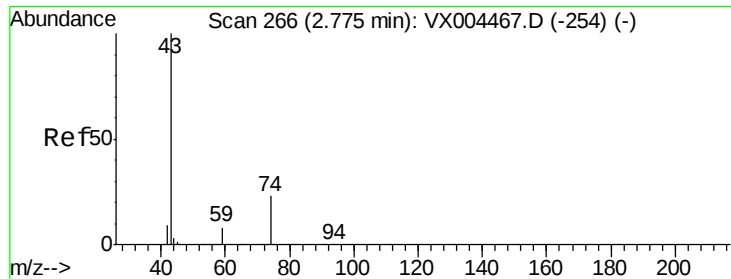
58 36.1 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

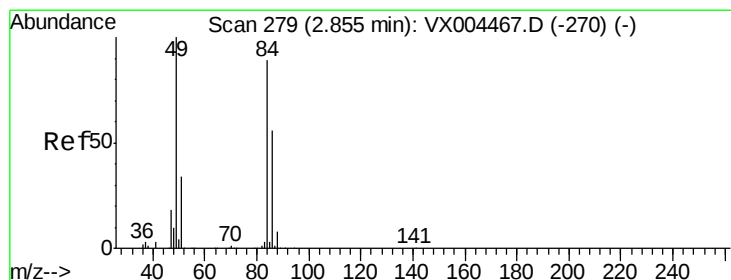
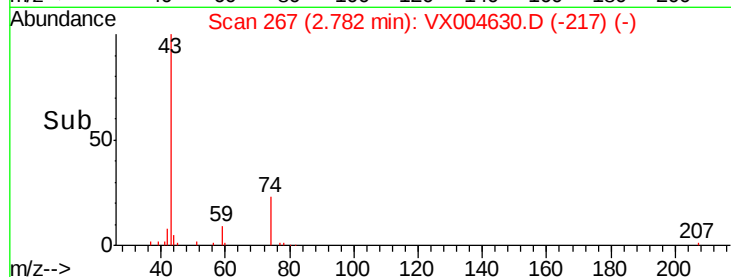
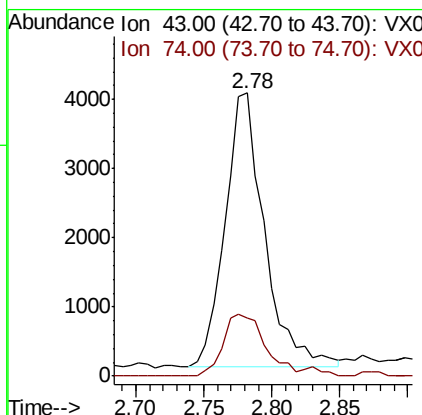
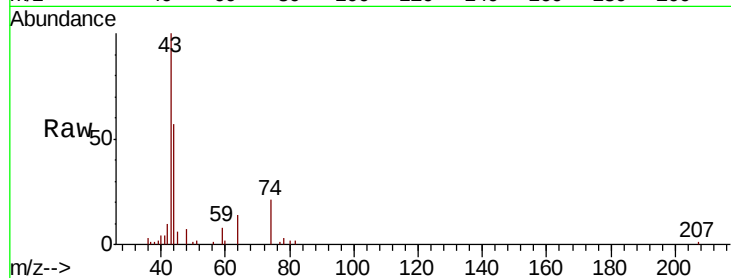




#18
Methvl Acetate
Concen: 1.97 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX004630.D
Acq: 17 Sep 2018 20:25

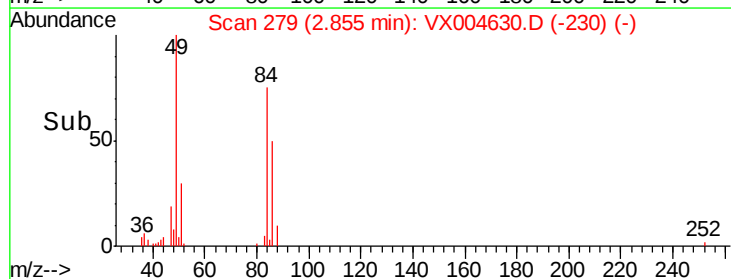
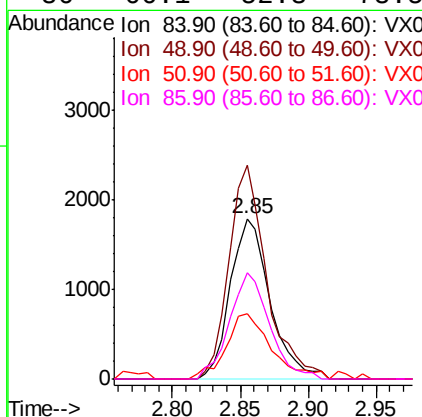
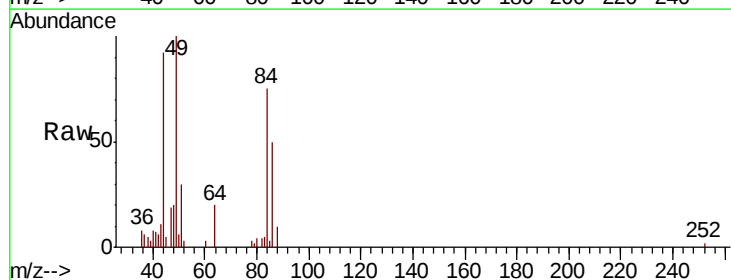
Instrument :
MSVOA_X
ClientSampled :

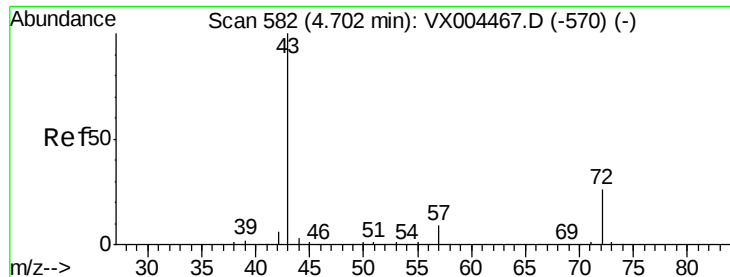
Tot Ion: 43 Resp: 7983
Ion Ratio Lower Upper
43 100
74 24.3 19.4 29.2



#20
Methylene Chloride
Concen: 1.23 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004630.D
Acq: 17 Sep 2018 20:25

Tgt Ion: 84 Resp: 3647
Ion Ratio Lower Upper
84 100
49 133.2 101.2 151.8
51 40.4 29.5 44.3
86 66.1 52.3 78.5





#25

2-Butanone

Concen: 1.23 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX004630.D

Acq: 17 Sep 2018 20:25

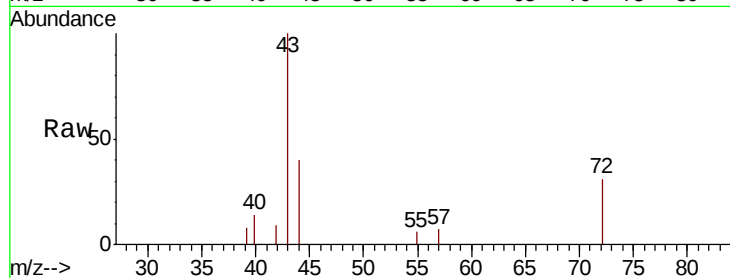
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 2821

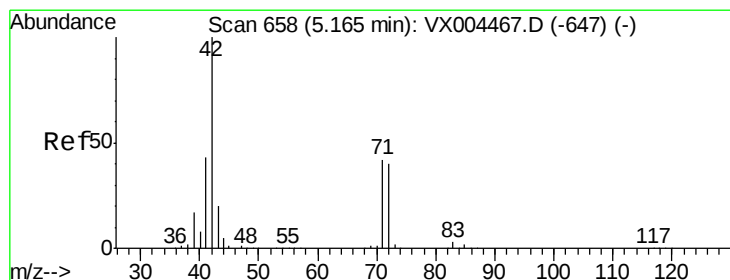
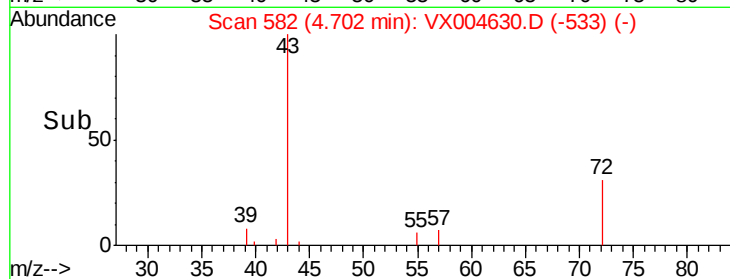
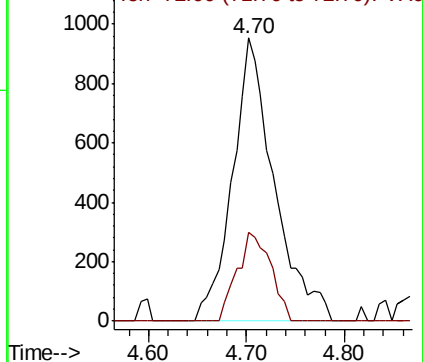
Ion Ratio Lower Upper

43 100

72 31.2 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.78 ug/l

RT: 5.16 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX004630.D

Acq: 17 Sep 2018 20:25

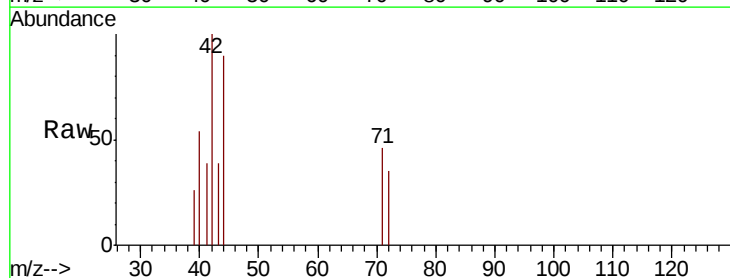
Tgt Ion: 42 Resp: 1086

Ion Ratio Lower Upper

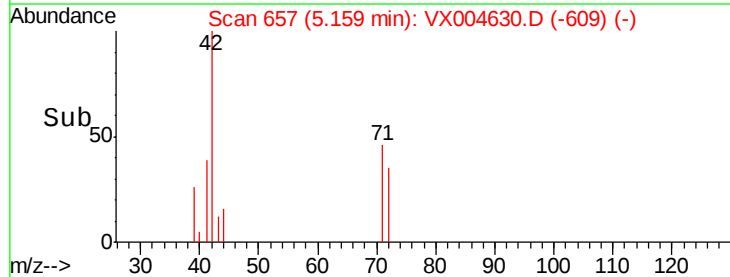
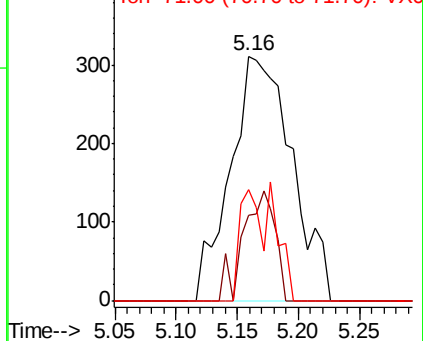
42 100

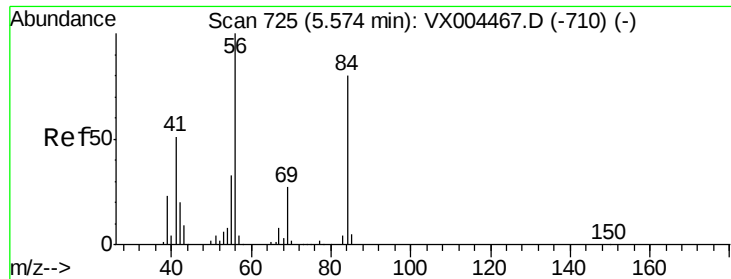
72 23.3 37.4 56.0#

71 15.1 34.5 51.7#



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

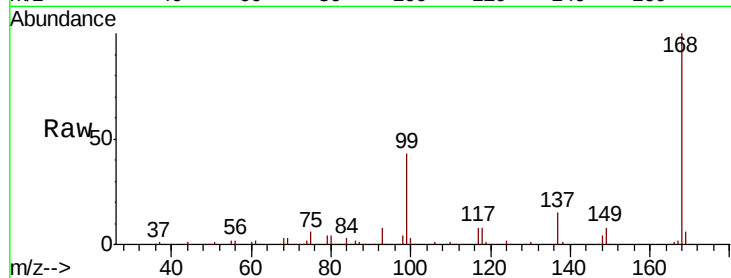




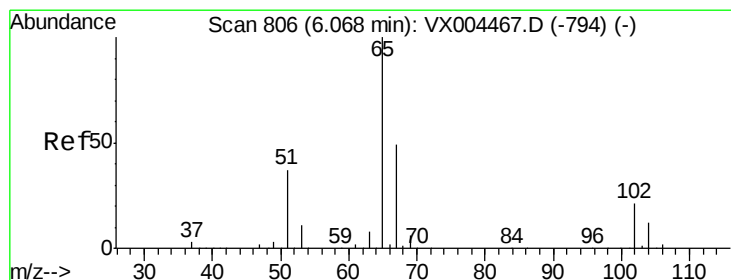
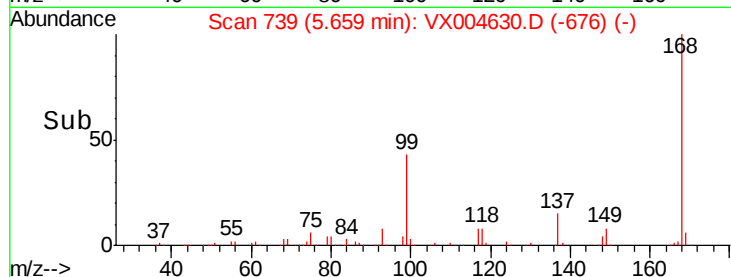
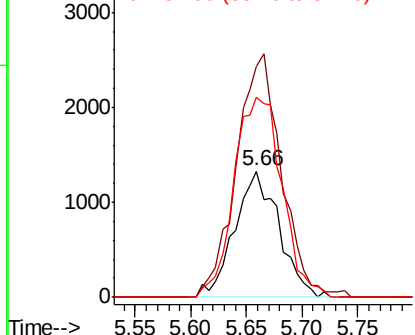
#31
Cyclohexane
Concen: 0.86 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX004630.D
Acq: 17 Sep 2018 20:25

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 3695
Ion Ratio Lower Upper
56 100
69 182.1 25.4 38.2#
84 158.5 71.4 107.2#

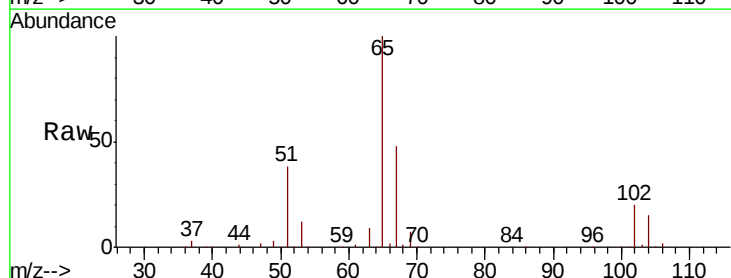


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

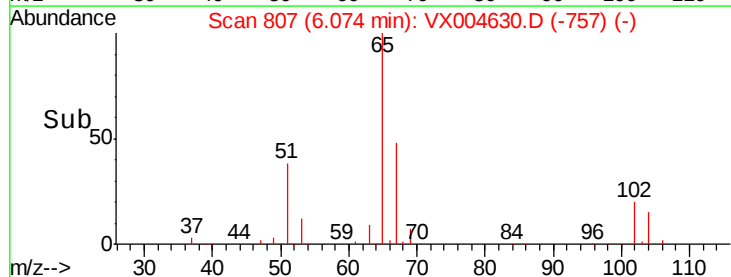
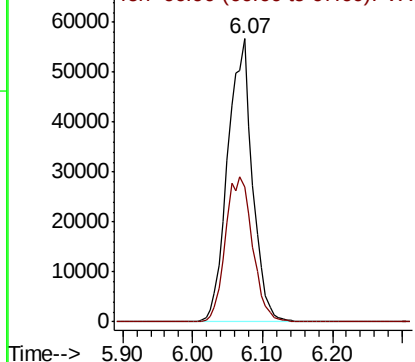


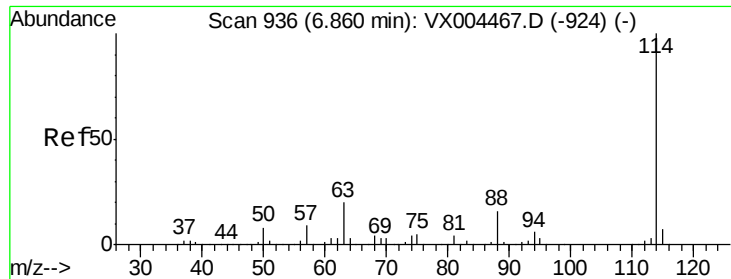
#33
1,2-Dichloroethane-d4
Concen: 47.12 ug/l
RT: 6.07 min Scan# 807
Delta R.T. 0.01 min
Lab File: VX004630.D
Acq: 17 Sep 2018 20:25

Tgt Ion: 65 Resp: 139387
Ion Ratio Lower Upper
65 100
67 56.2 0.0 106.8



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

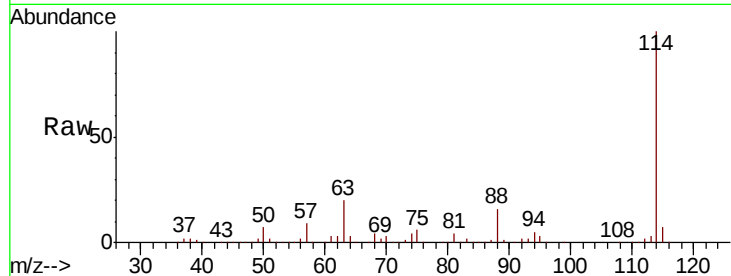




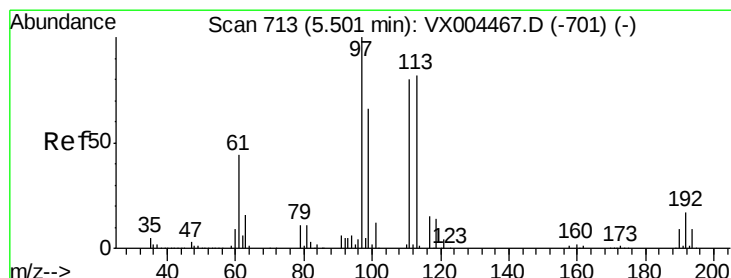
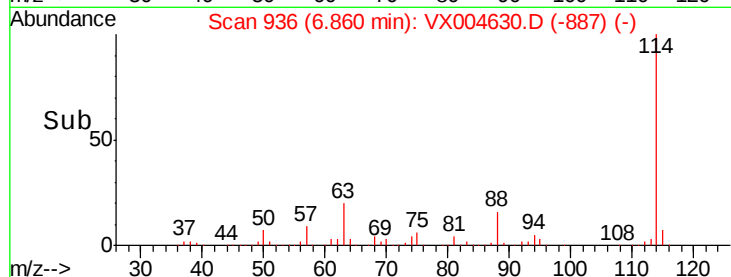
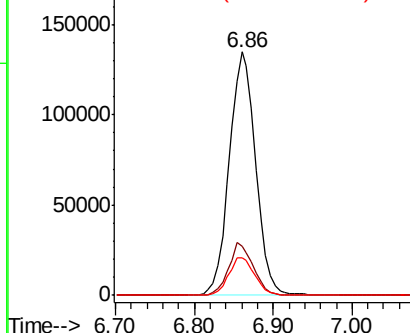
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004630.D
 Acq: 17 Sep 2018 20:25

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 313548
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.0
 88 15.6 0.0 30.4

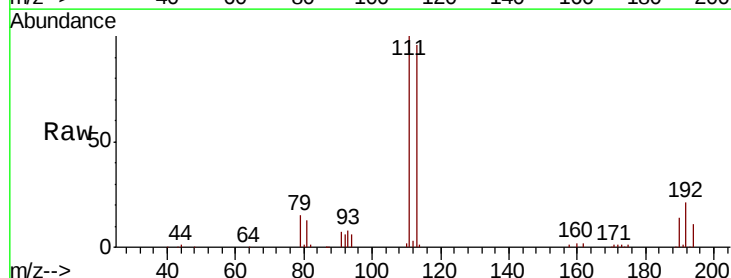


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

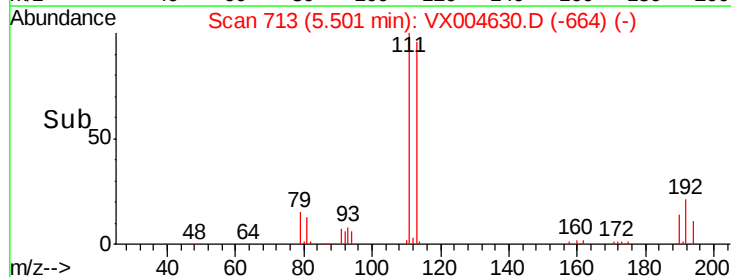
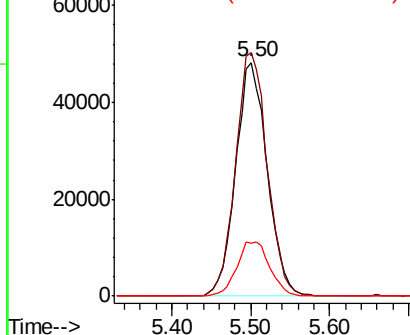


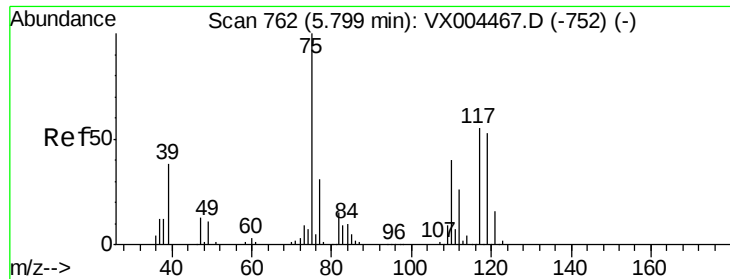
#35
 Dibromofluoromethane
 Concen: 46.75 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004630.D
 Acq: 17 Sep 2018 20:25

Tgt Ion:113 Resp: 134133
 Ion Ratio Lower Upper
 113 100
 111 105.0 82.4 123.6
 192 24.4 19.4 29.2



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

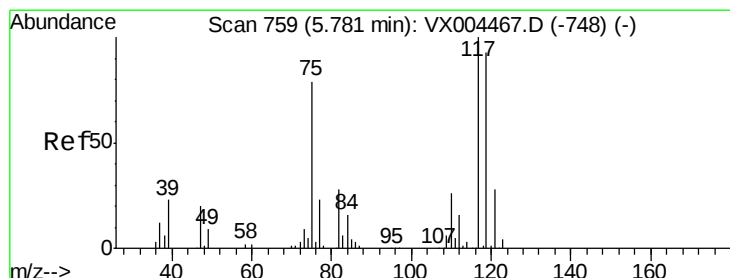
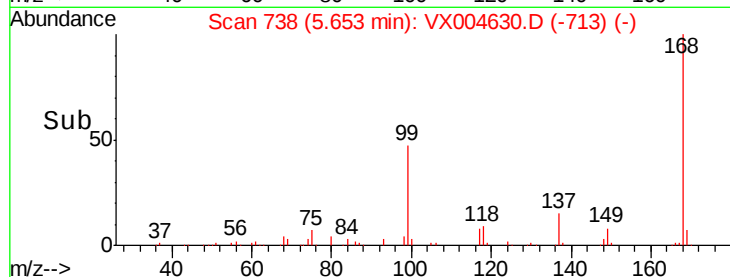
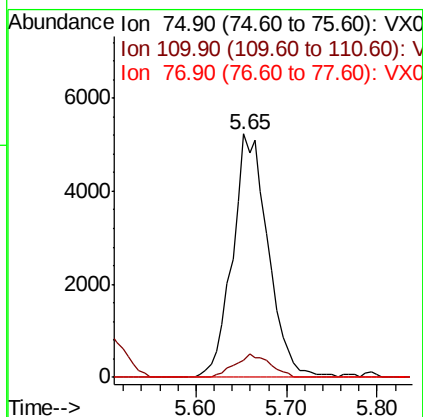
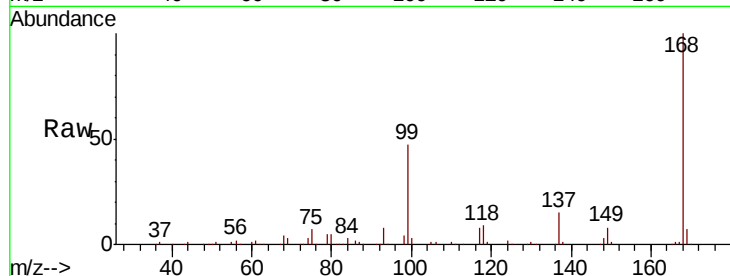




#36
 1,1-Dichloropropene
 Concen: 3.74 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX004630.D
 Acq: 17 Sep 2018 20:25

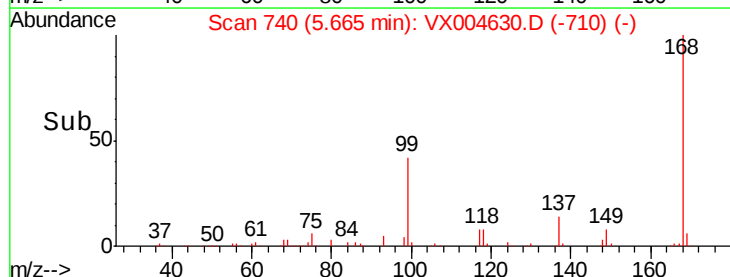
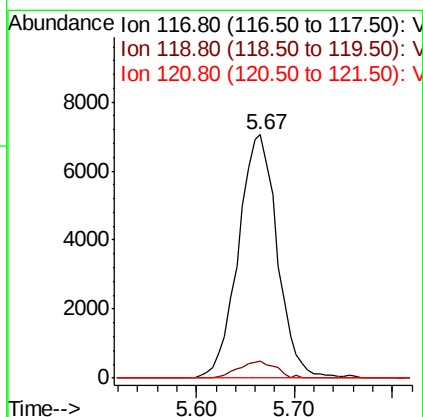
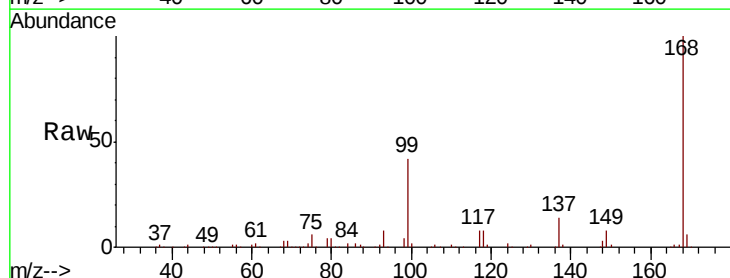
Instrument :
 MSVOA_X
 ClientSampleId :

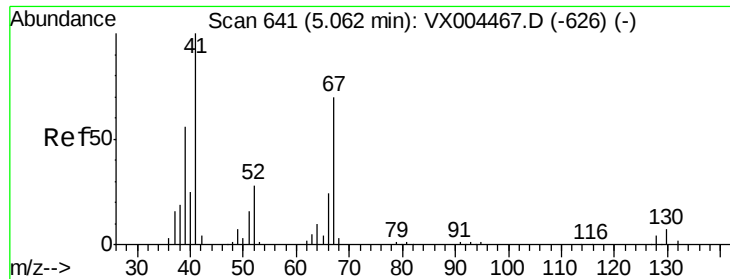
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.0	54.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.24 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX004630.D
 Acq: 17 Sep 2018 20:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.9	78.8	118.2#
121	0.0	24.9	37.3#

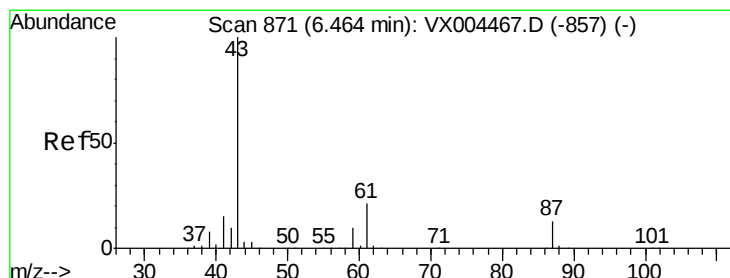
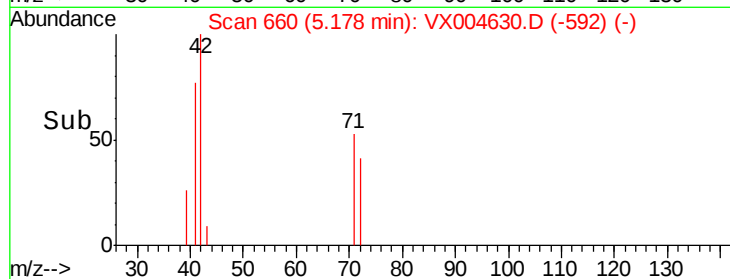
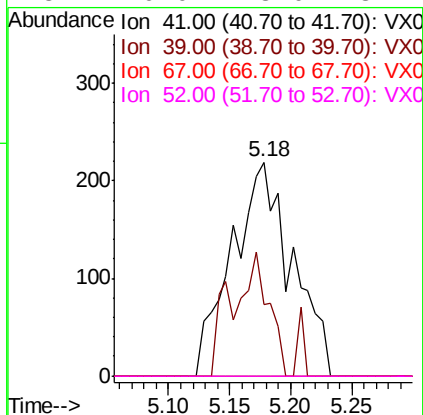
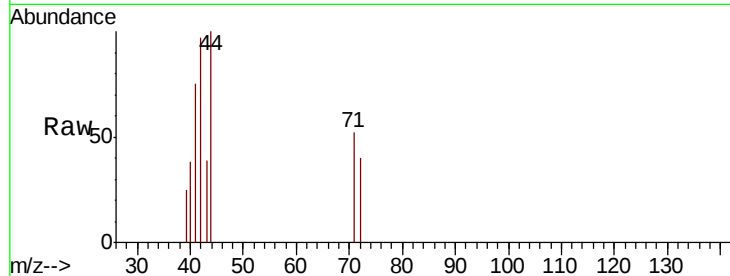




#41
Methacrylonitrile
Concen: 0.31 ug/l
RT: 5.18 min Scan# 660
Delta R.T. 0.12 min
Lab File: VX004630.D
Acq: 17 Sep 2018 20:25

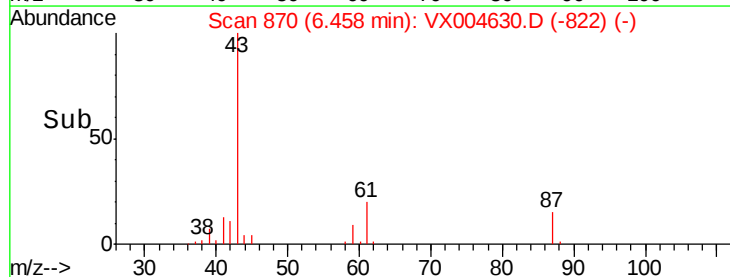
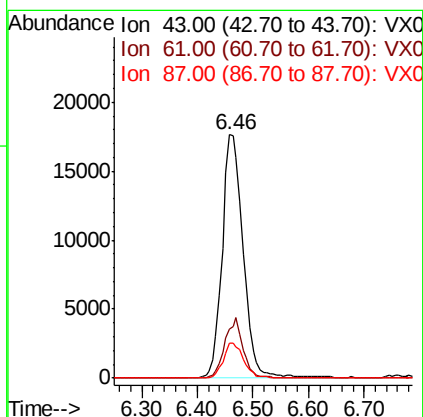
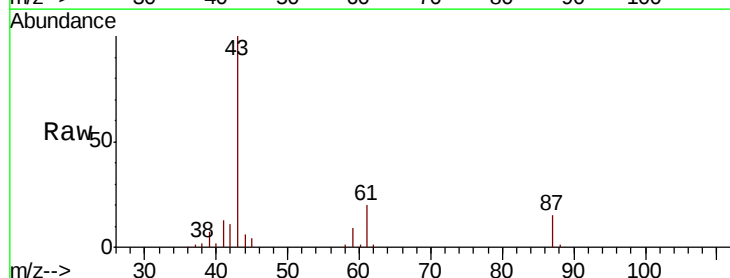
Instrument :
MSVOA_X
ClientSampled :

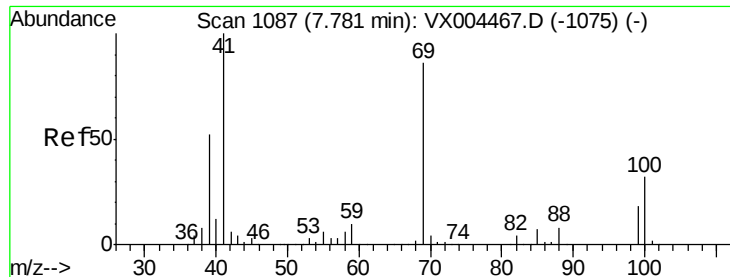
Tot Ion:	41	Resp:	746
Ion	Ratio	Lower	Upper
41	100		
39	24.1	42.4	63.6#
67	0.0	59.2	88.8#
52	0.0	23.0	34.4#



#43
Isopropyl Acetate
Concen: 8.06 ug/l
RT: 6.46 min Scan# 870
Delta R.T. -0.01 min
Lab File: VX004630.D
Acq: 17 Sep 2018 20:25

Tgt Ion:	43	Resp:	46327
Ion	Ratio	Lower	Upper
43	100		
61	21.2	17.0	25.4
87	13.6	11.4	17.2

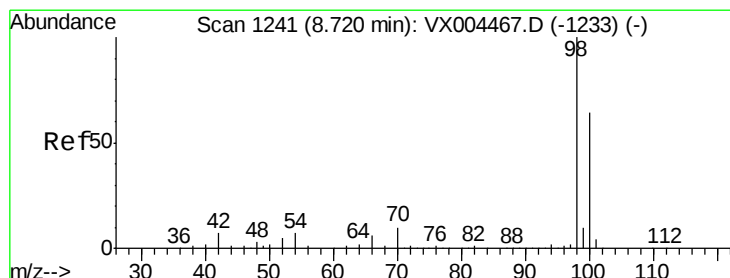
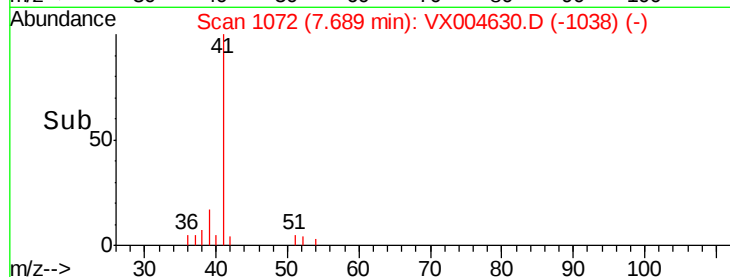
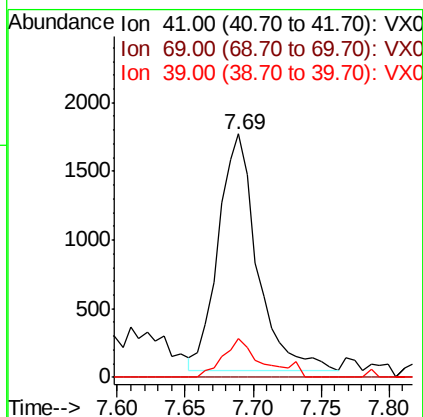
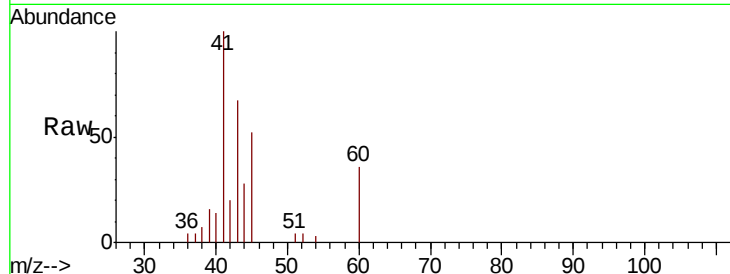




#48
Methyl methacrylate
Concen: 1.20 ug/l
RT: 7.69 min Scan# 1072
Delta R.T. -0.09 min
Lab File: VX004630.D
Acq: 17 Sep 2018 20:25

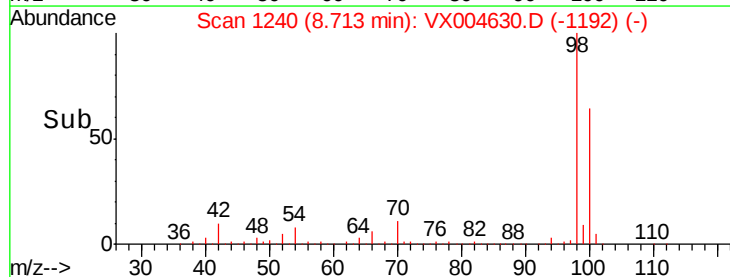
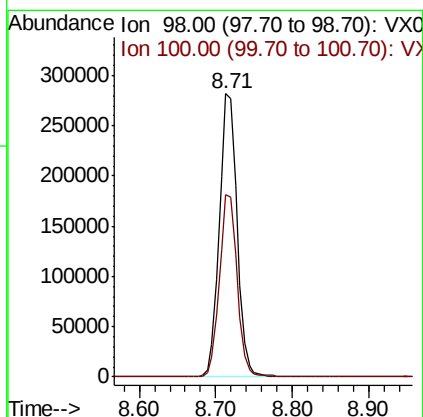
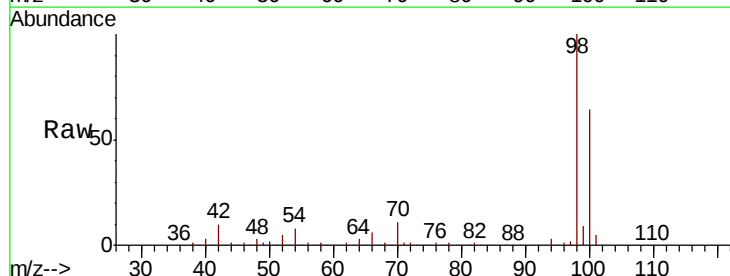
Instrument :
MSVOA_X
ClientSampleId :

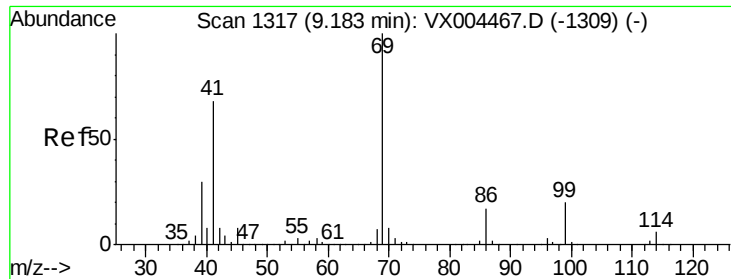
Tot Ion: 41 Resp: 3408
Ion Ratio Lower Upper
41 100
69 0.0 70.2 105.4#
39 16.5 42.7 64.1#



#50
Toluene-d8
Concen: 47.18 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004630.D
Acq: 17 Sep 2018 20:25

Tgt Ion: 98 Resp: 453976
Ion Ratio Lower Upper
98 100
100 64.2 52.9 79.3

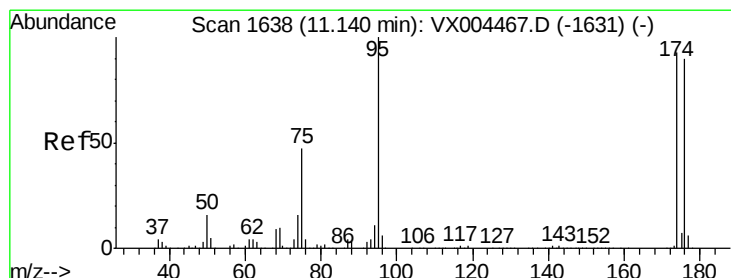
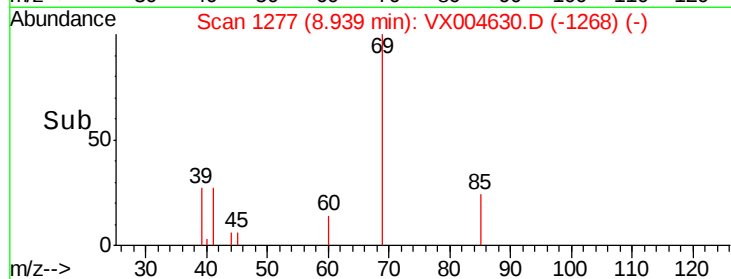
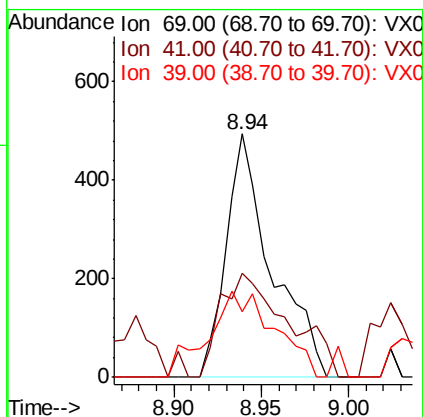
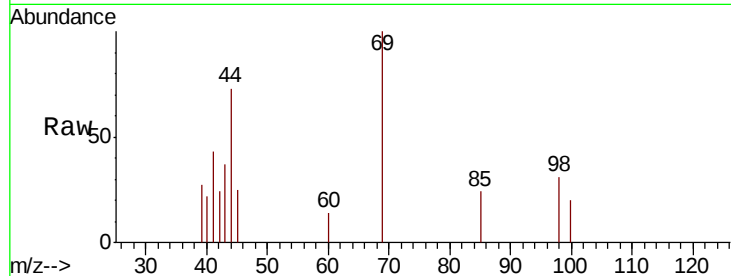




#56
Ethyl methacrylate
Concen: 0.22 ug/l
RT: 8.94 min Scan# 1277
Delta R.T. -0.24 min
Lab File: VX004630.D
Acq: 17 Sep 2018 20:25

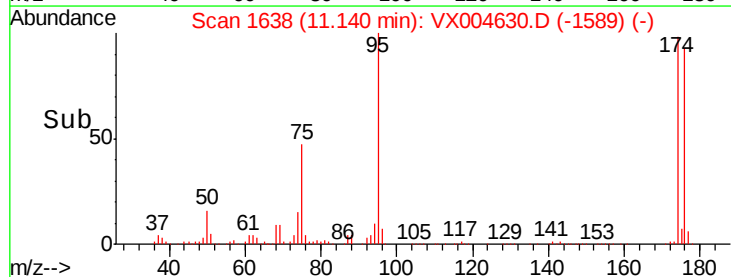
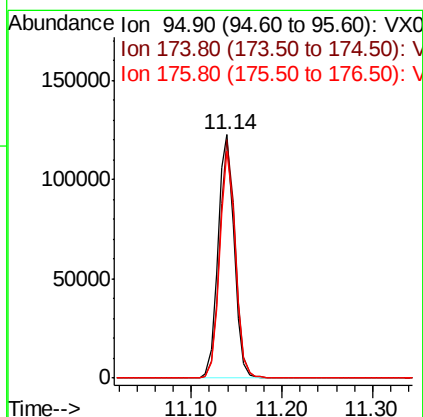
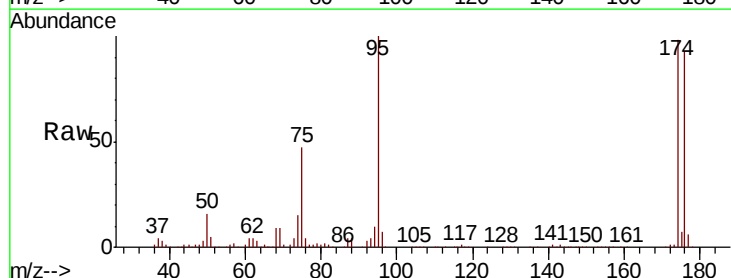
Instrument :
MSVOA_X
ClientSampleId :

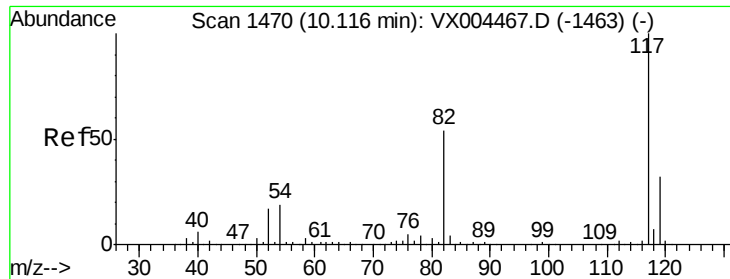
Tot Ion: 69 Resp: 895
Ion Ratio Lower Upper
69 100
41 63.1 51.0 76.4
39 51.4 26.1 39.1#



#62
4-Bromofluorobenzene
Concen: 44.49 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX004630.D
Acq: 17 Sep 2018 20:25

Tgt Ion: 95 Resp: 152804
Ion Ratio Lower Upper
95 100
174 95.7 0.0 185.2
176 90.7 0.0 178.6

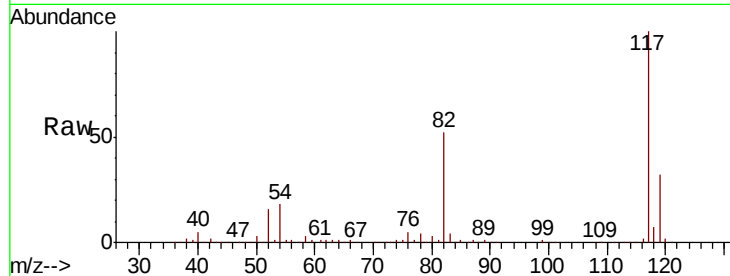




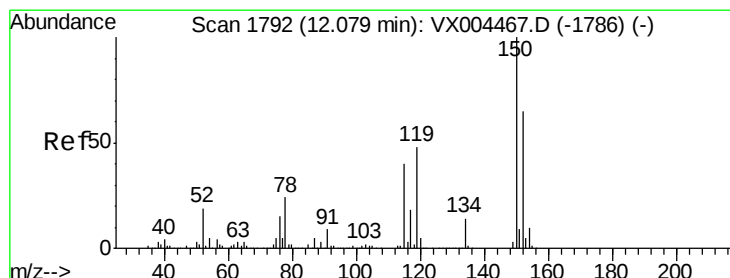
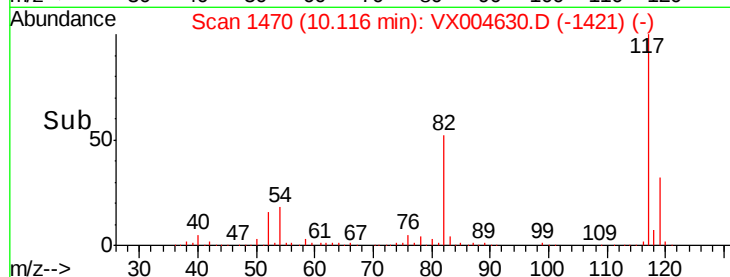
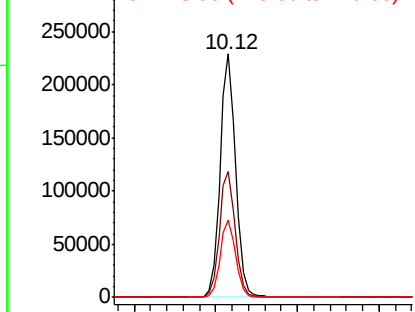
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004630.D
Acq: 17 Sep 2018 20:25

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 304381
Ion Ratio Lower Upper
117 100
82 51.7 47.8 71.6
119 31.6 29.3 43.9

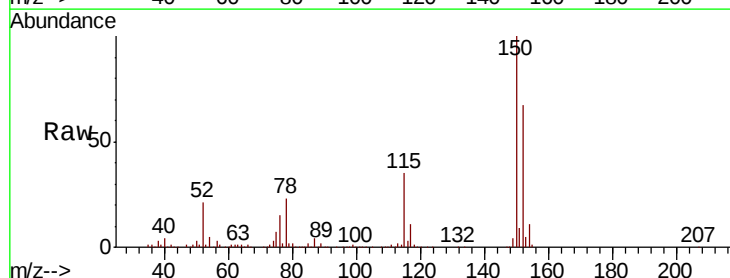


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

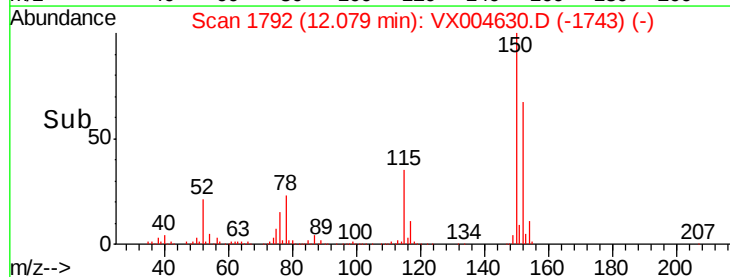
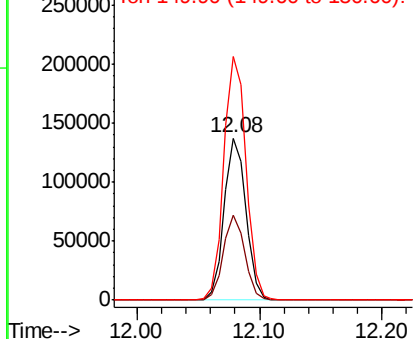


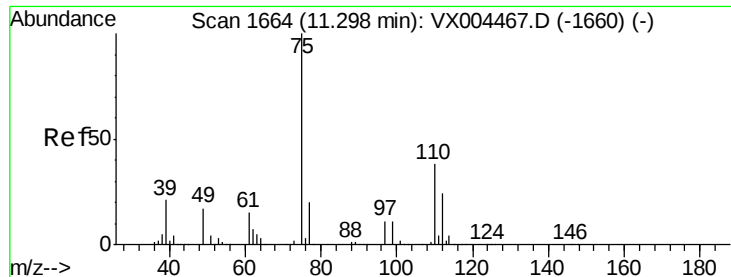
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004630.D
Acq: 17 Sep 2018 20:25

Tgt Ion:152 Resp: 169409
Ion Ratio Lower Upper
152 100
115 51.9 39.0 117.0
150 153.1 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 20.77 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004630.D

Acq: 17 Sep 2018 20:25

Instrument :

MSVOA_X

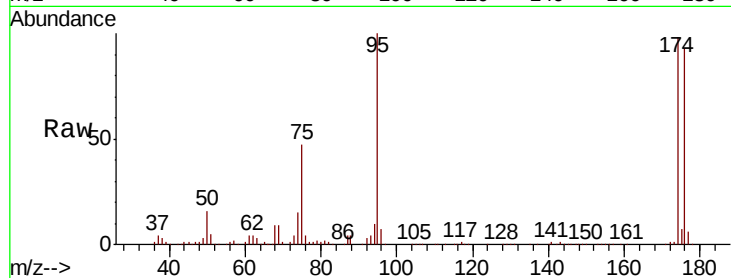
ClientSampleId :

Tot Ion: 75 Resp: 70794

Ion Ratio Lower Upper

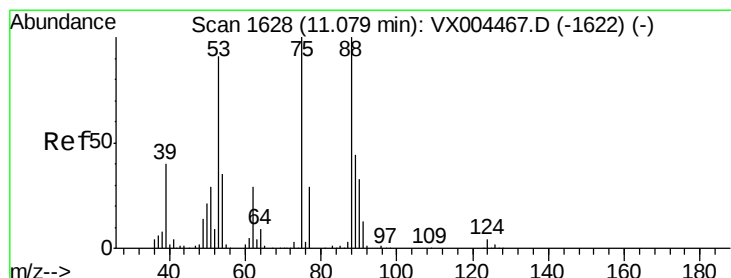
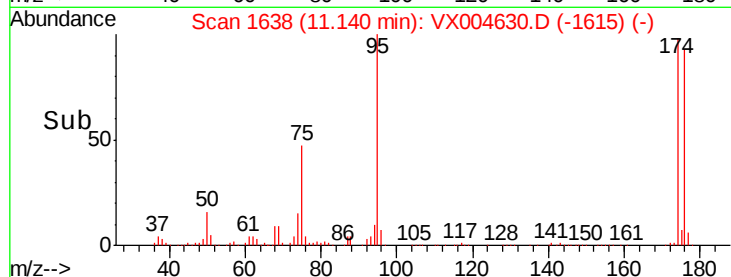
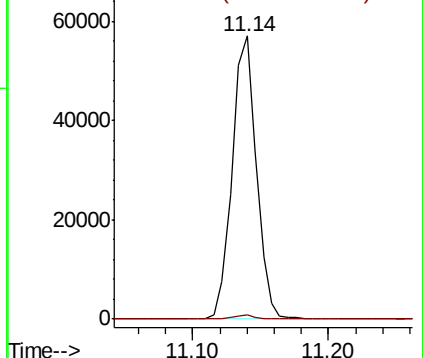
75 100

77 1.4 20.2 60.6#



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: 66.21 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004630.D

Acq: 17 Sep 2018 20:25

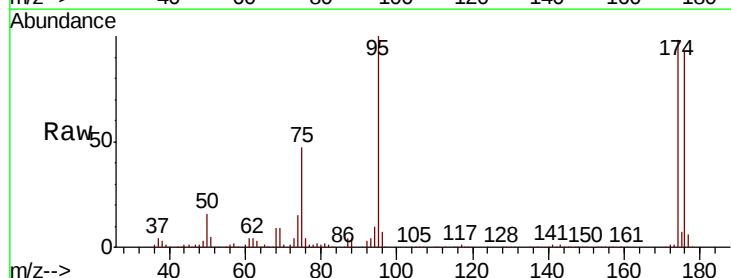
Tgt Ion: 75 Resp: 70794

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#



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

