

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091118\
 Data File : VX004478.D
 Acq On : 11 Sep 2018 21:01
 Operator : JC/MD
 Sample : J4857-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS036-180910

Quant Time: Sep 12 05:53:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 15:21:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	191311	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	313641	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	296845	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	158669	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	138150	56.00	ug/l	0.00
Spiked Amount			Recovery	=	112.00%	
35) Dibromofluoromethane	5.51	113	121520	42.34	ug/l	0.00
Spiked Amount			Recovery	=	84.68%	
50) Toluene-d8	8.72	98	446808	46.42	ug/l	0.00
Spiked Amount			Recovery	=	92.84%	
62) 4-Bromofluorobenzene	11.14	95	153044	44.55	ug/l	0.00
Spiked Amount			Recovery	=	89.10%	

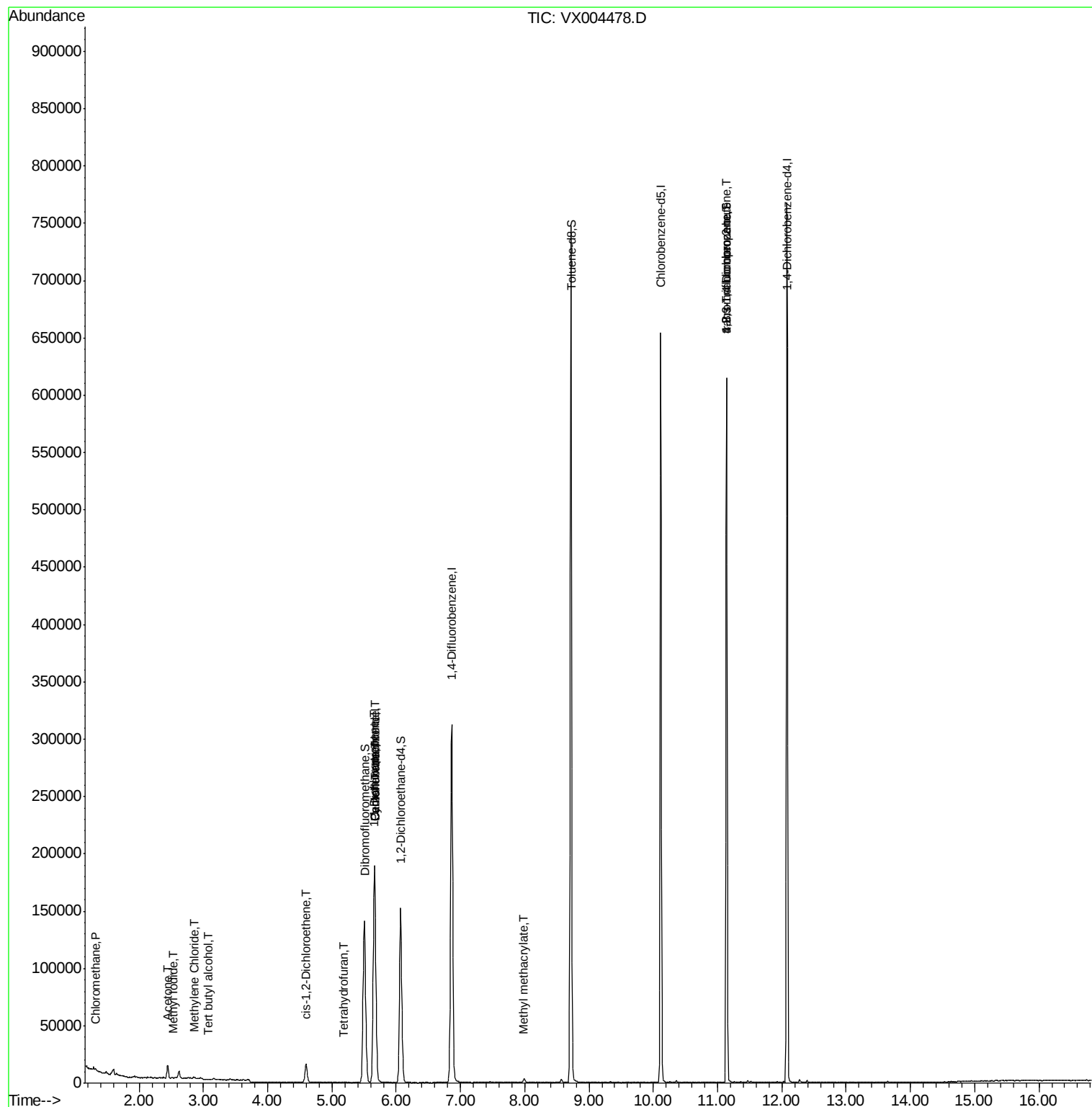
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1047	0.42	ug/l	# 75
5) Bromomethane	1.65	94	1064	Below	Cal	97
10) Methyl Iodide	2.52	142	560	4.46	ug/l	# 83
11) Tert butyl alcohol	3.08	59	341	0.58	ug/l	# 72
16) Acetone	2.45	43	12029	9.99	ug/l	95
20) Methylene Chloride	2.86	84	610	0.25	ug/l	# 76
27) cis-1,2-Dichloroethene	4.60	96	9830	3.99	ug/l	97
29) Tetrahydrofuran	5.18	42	483	0.42	ug/l	# 49
31) Cyclohexane	5.67	56	3571	1.00	ug/l	# 1
36) 1,1-Dichloropropene	5.65	75	12596	3.31	ug/l	# 49
38) Carbon Tetrachloride	5.67	117	17579	4.73	ug/l	# 16
48) Methyl methacrylate	7.99	41	955	0.34	ug/l	# 37
76) 1,2,3-Trichloropropane	11.14	75	73522	23.71	ug/l	# 37
81) trans-1,4-Dichloro-2-buten	11.14	75	73522	73.41	ug/l	# 10

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
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QLast Update : Tue Sep 11 15:21:13 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: VX004478.D

Acq: 11 Sep 2018 21:01

Instrument :

MSVOA_X

ClientSampleId :

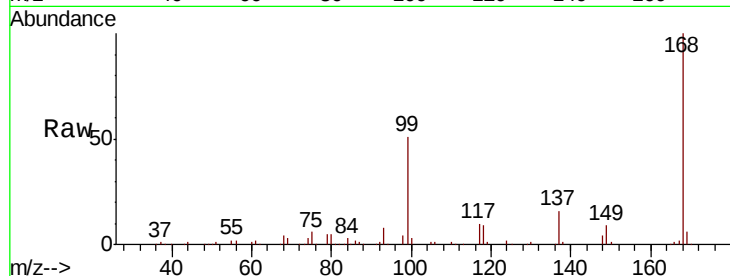
KY038PS036-180910

Tot Ion:168 Resp: 191311

Ion Ratio Lower Upper

168 100

99 51.5 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

60000

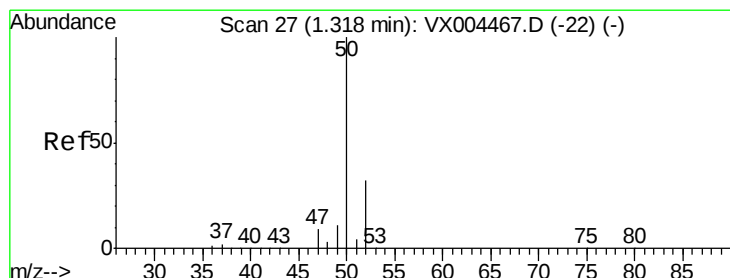
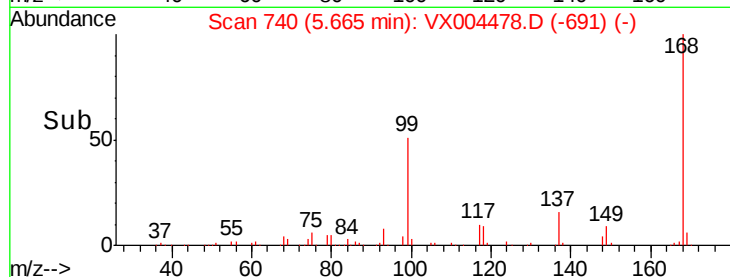
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#3

Chloromethane

Concen: 0.42 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004478.D

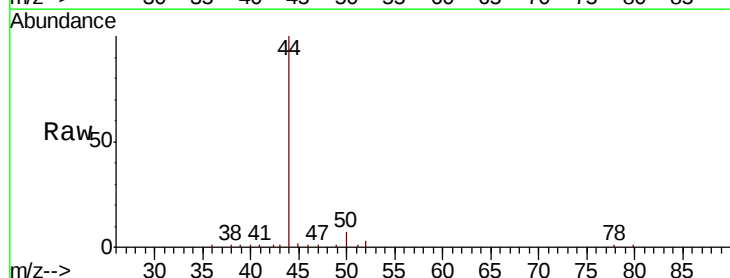
Acq: 11 Sep 2018 21:01

Tgt Ion: 50 Resp: 1047

Ion Ratio Lower Upper

50 100

52 46.9 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

800

600

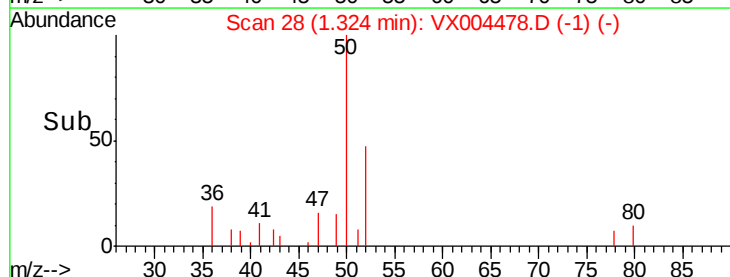
400

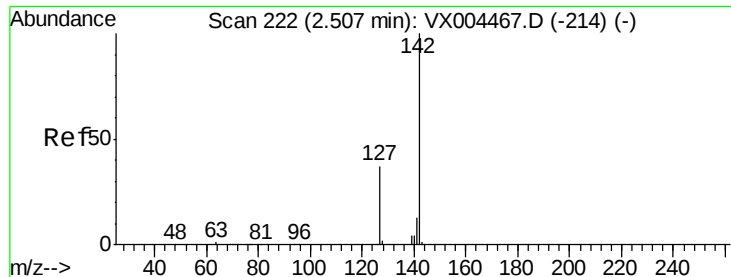
200

0

1.30 1.35

Time-->

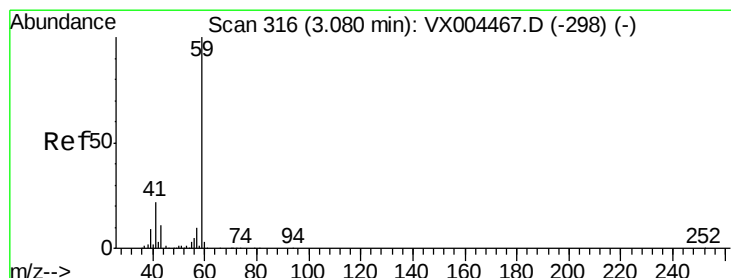
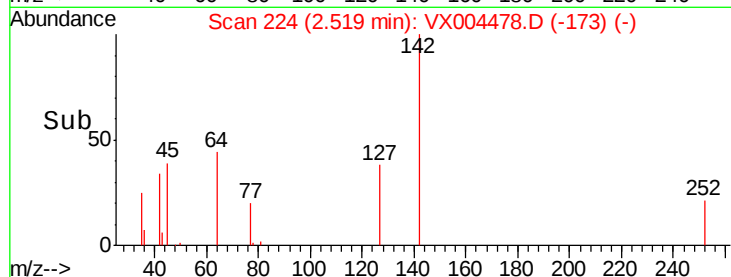
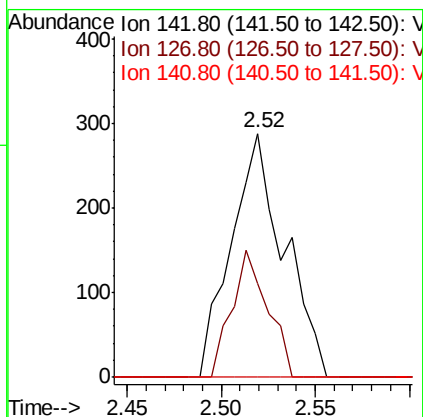
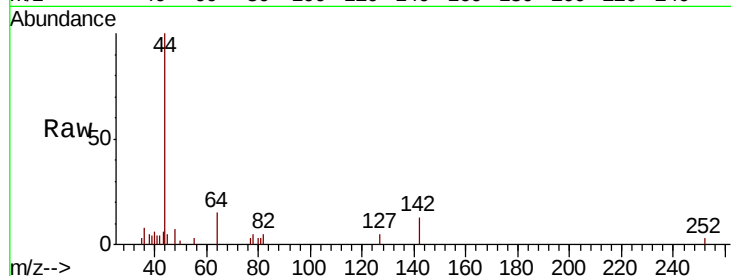




#10
Methyl Iodide
Concen: 4.46 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX004478.D
Acq: 11 Sep 2018 21:01

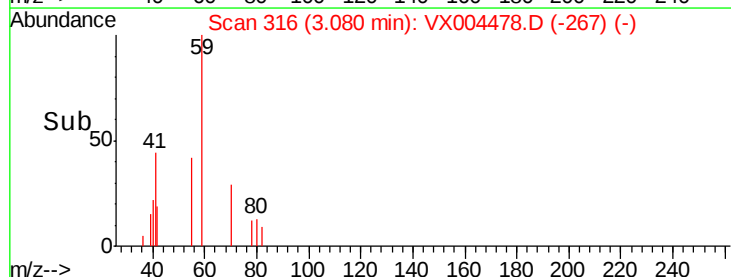
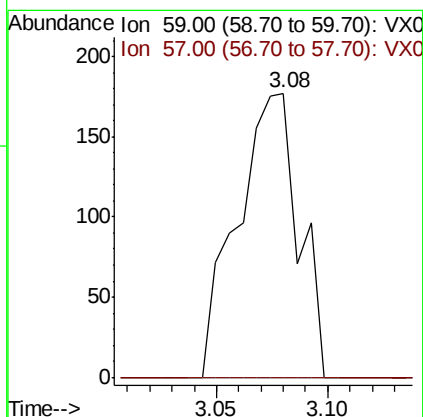
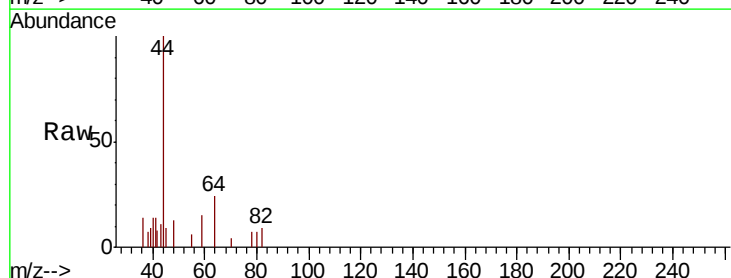
Instrument :
MSVOA_X
ClientSampleId :
KY038PS036-180910

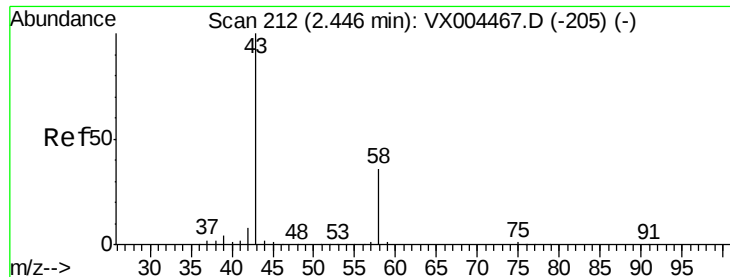
Tot Ion:142 Resp: 560
Ion Ratio Lower Upper
142 100
127 35.2 33.8 50.6
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.58 ug/l
RT: 3.08 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX004478.D
Acq: 11 Sep 2018 21:01

Tgt Ion: 59 Resp: 341
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 9.99 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004478.D

Acq: 11 Sep 2018 21:01

Instrument :

MSVOA_X

ClientSampleId :

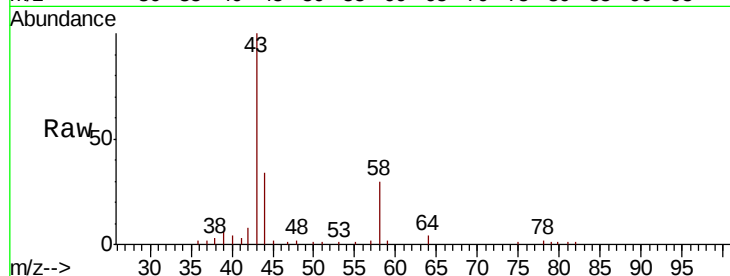
KY038PS036-180910

Tot Ion: 43 Resp: 12029

Ion Ratio Lower Upper

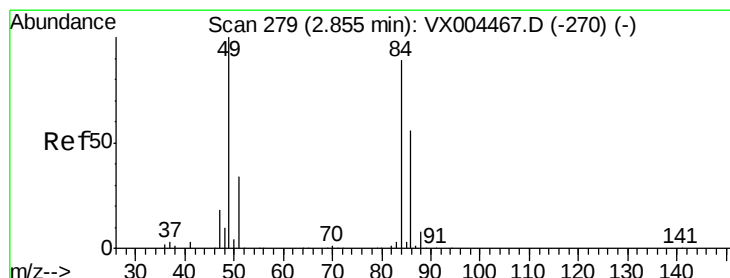
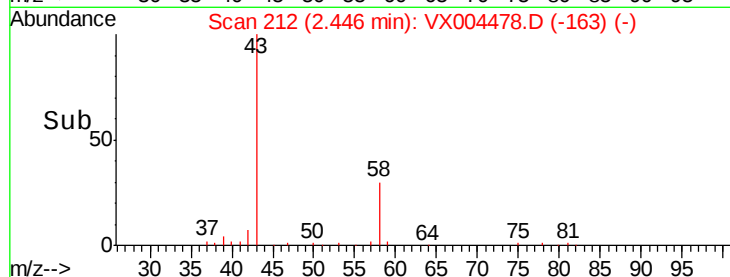
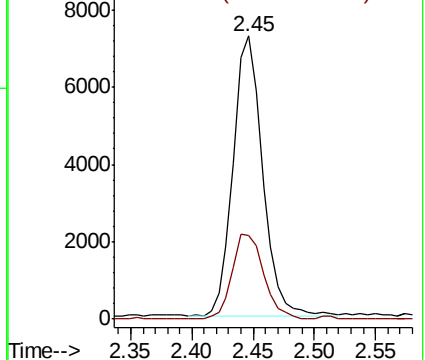
43 100

58 29.9 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 0.25 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004478.D

Acq: 11 Sep 2018 21:01

Tgt Ion: 84 Resp: 610

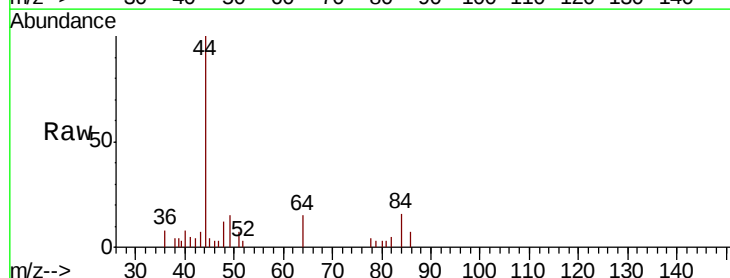
Ion Ratio Lower Upper

84 100

49 95.1 101.2 151.8#

51 41.0 29.5 44.3

86 43.2 52.3 78.5#

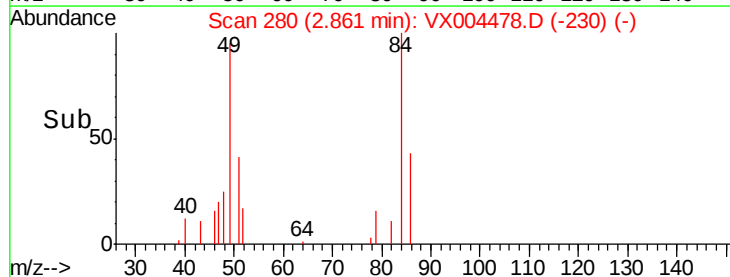
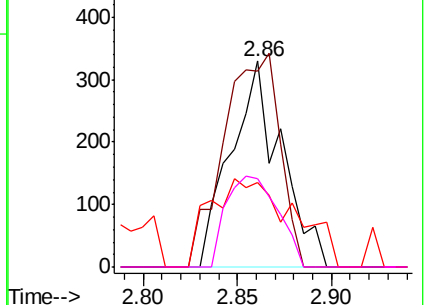


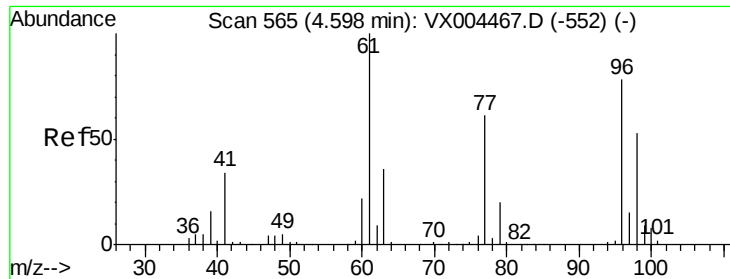
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

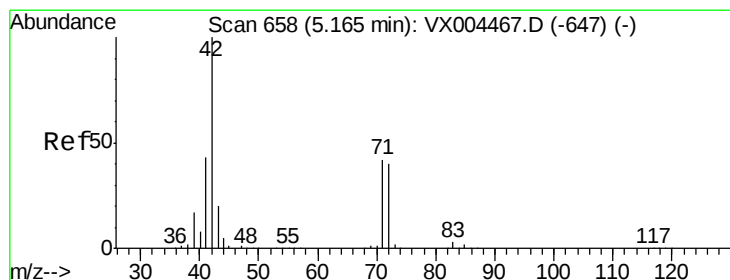
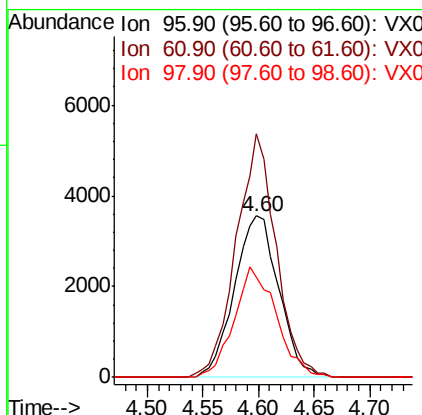
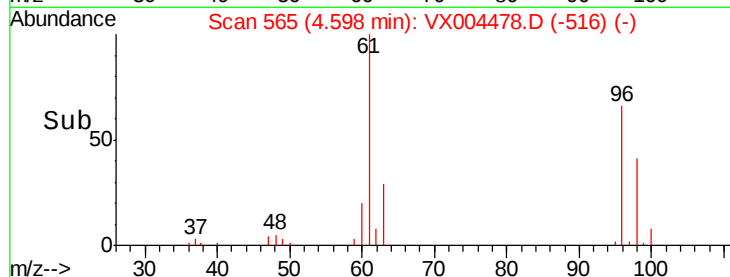
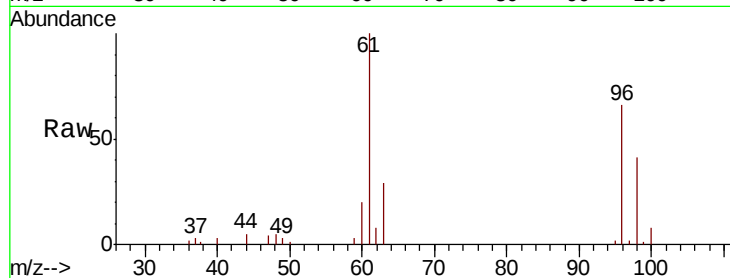




#27
 cis-1,2-Dichloroethene
 Concen: 3.99 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX004478.D
 Acq: 11 Sep 2018 21:01

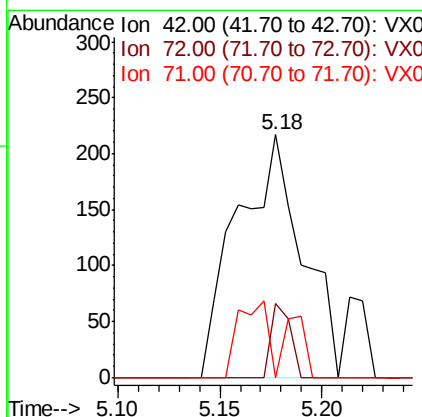
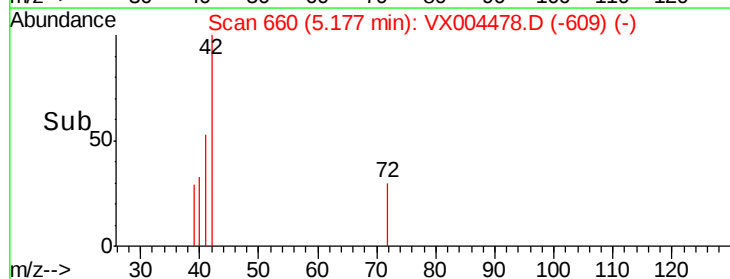
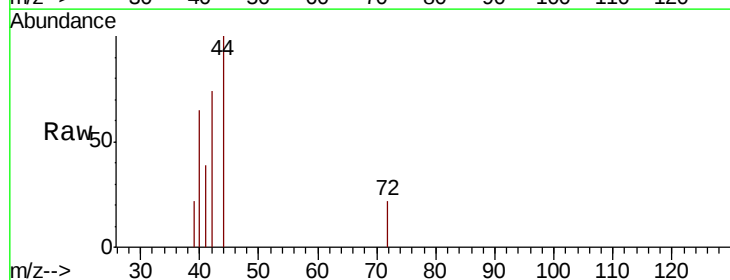
Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS036-180910

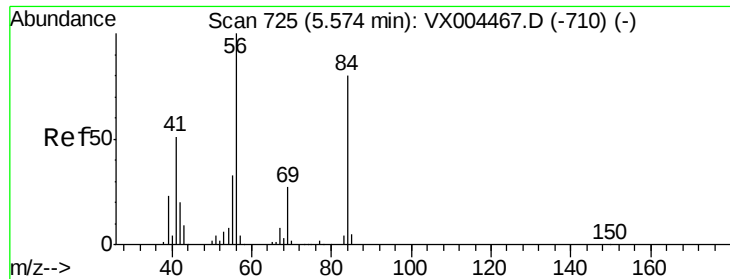
Tot Ion: 96 Resp: 9830
 Ion Ratio Lower Upper
 96 100
 61 135.7 0.0 282.6
 98 64.9 0.0 130.2



#29
 Tetrahydrofuran
 Concen: 0.42 ug/l
 RT: 5.18 min Scan# 660
 Delta R.T. 0.01 min
 Lab File: VX004478.D
 Acq: 11 Sep 2018 21:01

Tgt Ion: 42 Resp: 483
 Ion Ratio Lower Upper
 42 100
 72 8.9 37.4 56.0#
 71 14.1 34.5 51.7#

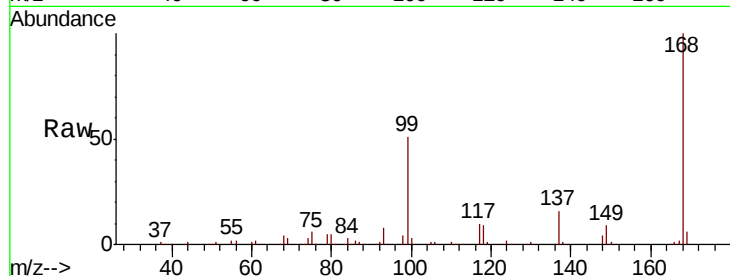




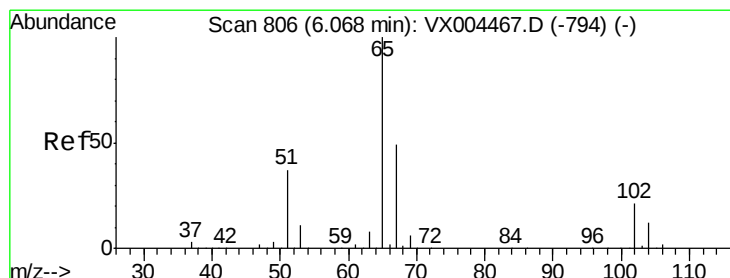
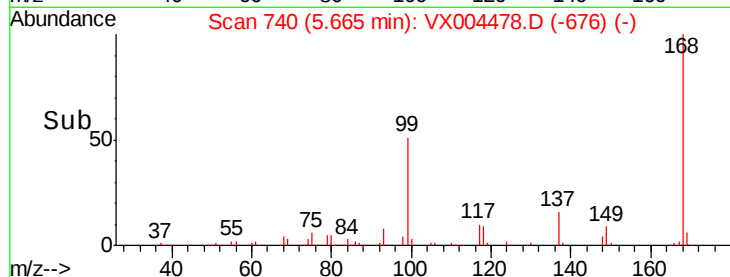
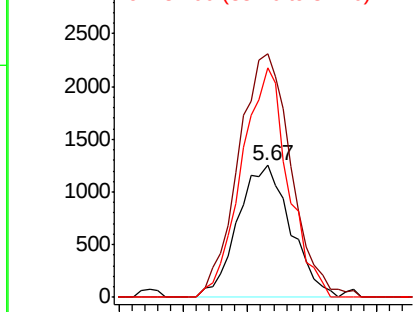
#31
Cyclohexane
Concen: 1.00 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX004478.D
Acq: 11 Sep 2018 21:01

Instrument :
MSVOA_X
ClientSampleId :
KY038PS036-180910

Tot Ion: 56 Resp: 3571
Ion Ratio Lower Upper
56 100
69 184.8 25.4 38.2#
84 174.1 71.4 107.2#

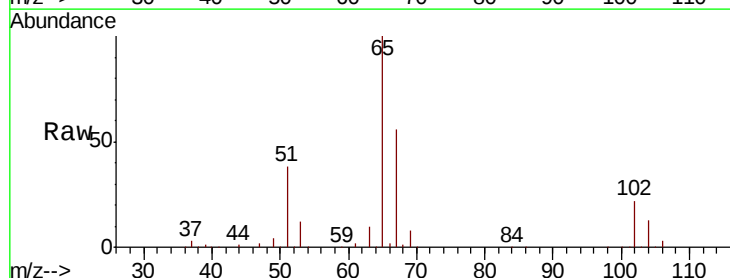


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

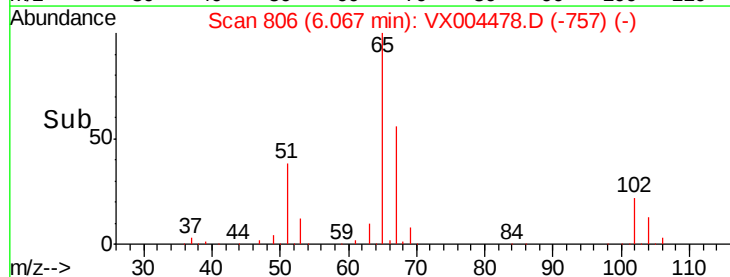
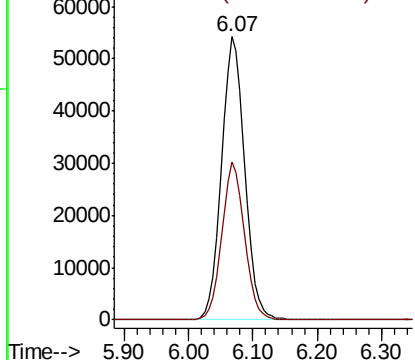


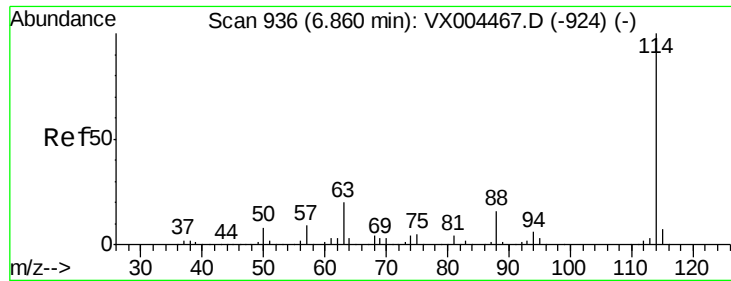
#33
1,2-Dichloroethane-d4
Concen: 56.00 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX004478.D
Acq: 11 Sep 2018 21:01

Tgt Ion: 65 Resp: 138150
Ion Ratio Lower Upper
65 100
67 54.4 0.0 106.8



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

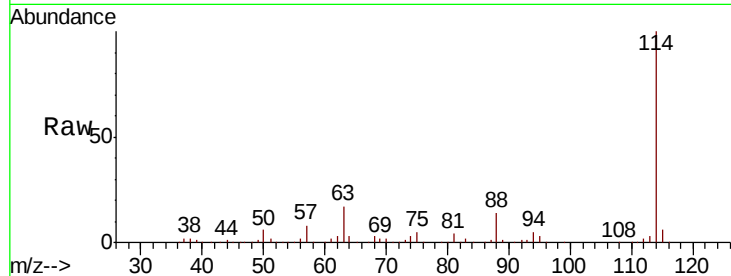




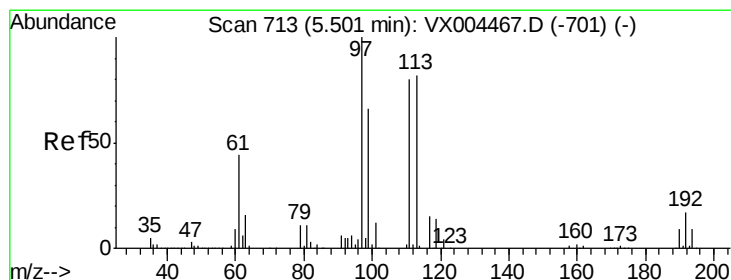
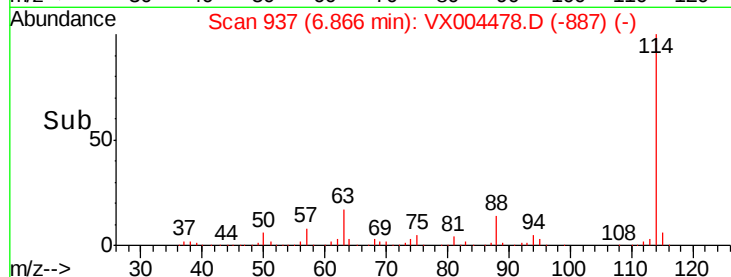
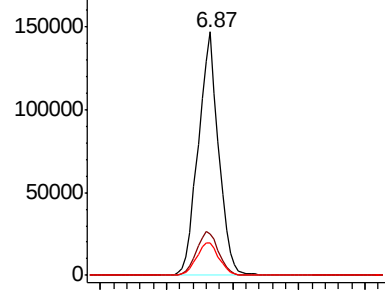
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX004478.D
 Acq: 11 Sep 2018 21:01

Instrument :
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 KY038PS036-180910

Tot Ion:114 Resp: 313641
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 39.0
 88 13.6 0.0 30.4

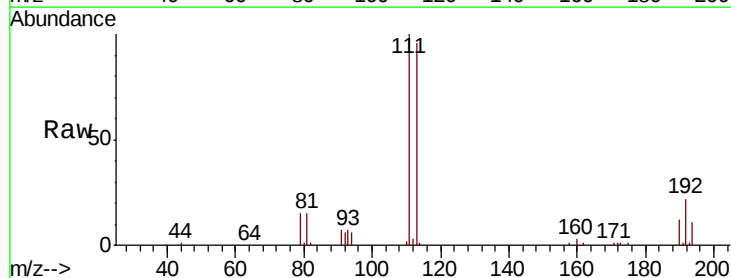


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

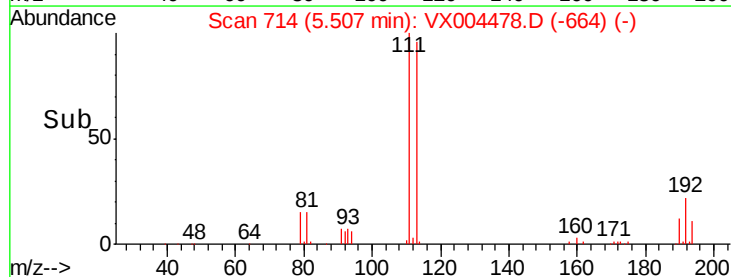
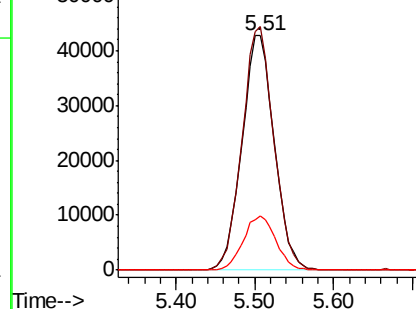


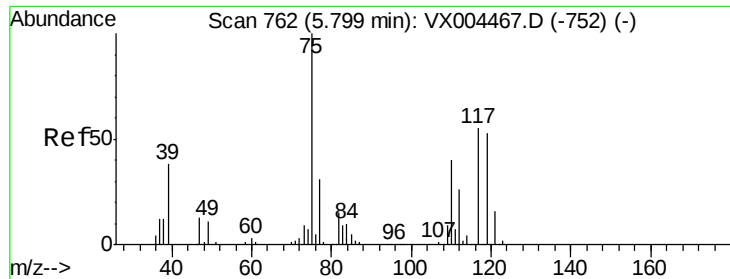
#35
 Dibromofluoromethane
 Concen: 42.34 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004478.D
 Acq: 11 Sep 2018 21:01

Tgt Ion:113 Resp: 121520
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.4 123.6
 192 23.2 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

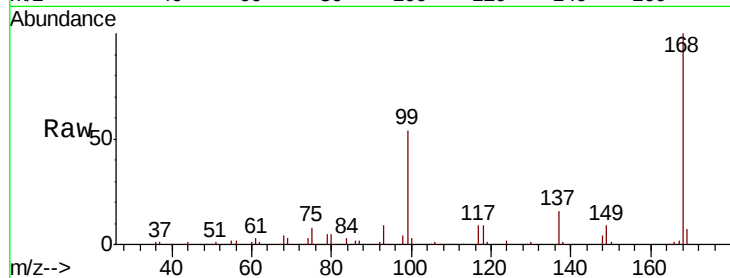




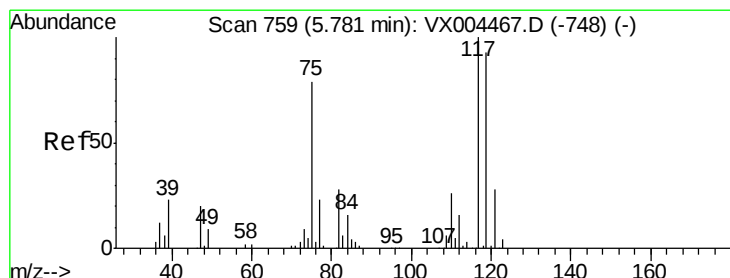
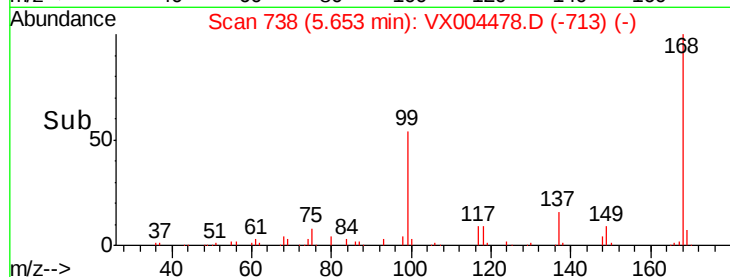
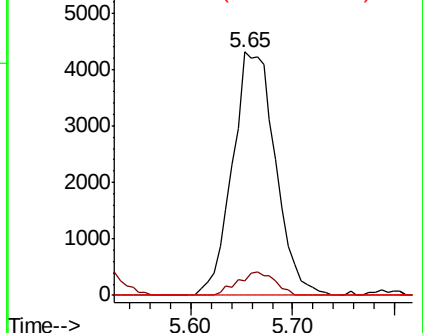
#36
 1,1-Dichloropropene
 Concen: 3.31 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX004478.D
 Acq: 11 Sep 2018 21:01

Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS036-180910

Tot Ion	75	Resp	12596
Ion Ratio	100	Lower	Upper
75	100		
110	8.4	18.0	54.0#
77	0.0	24.6	36.8#

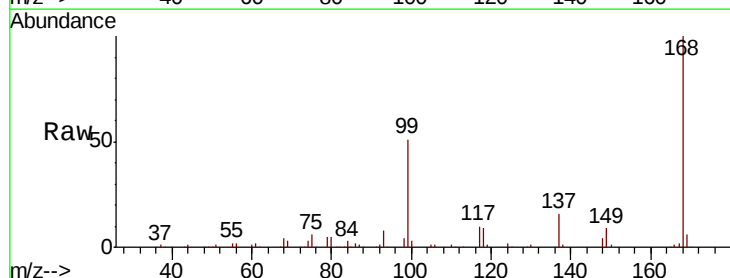


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

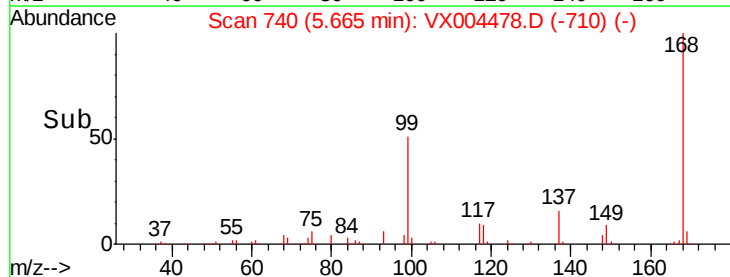
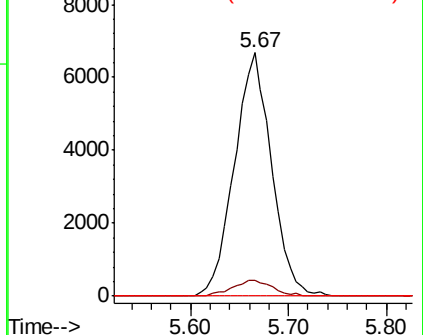


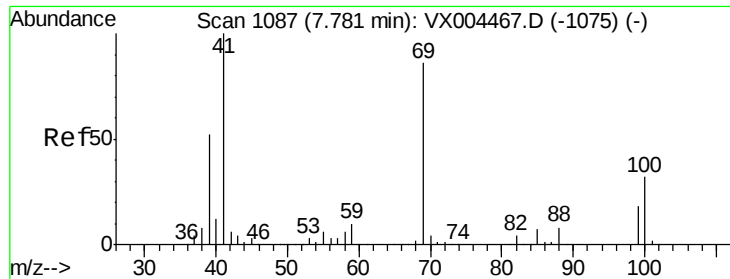
#38
 Carbon Tetrachloride
 Concen: 4.73 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX004478.D
 Acq: 11 Sep 2018 21:01

Tgt Ion	117	Resp	17579
Ion Ratio	100	Lower	Upper
117	100		
119	6.7	78.8	118.2#
121	0.0	24.9	37.3#



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

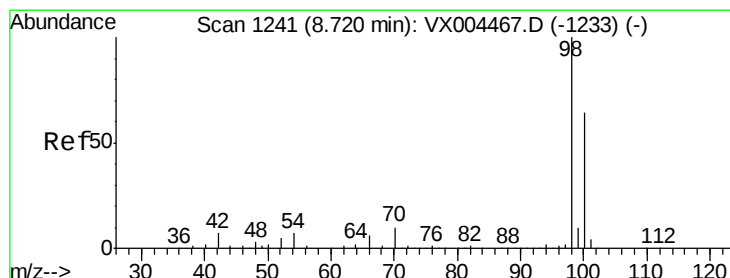
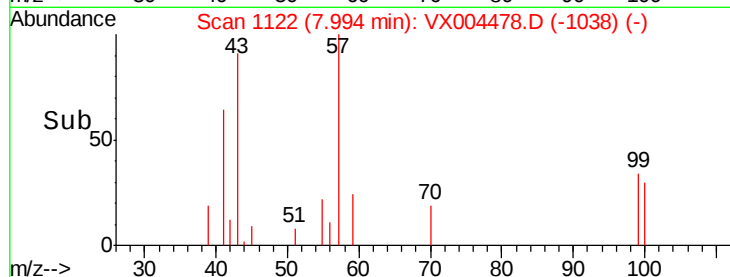
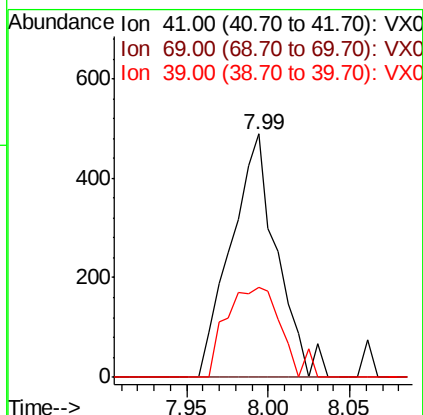
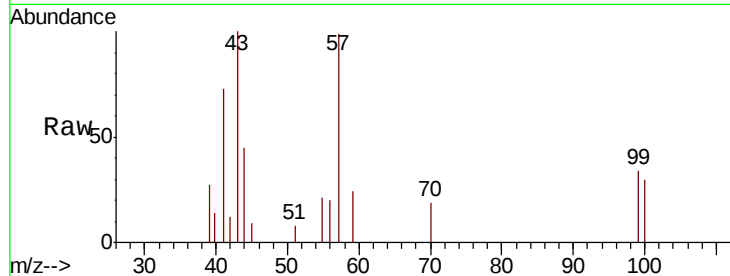




#48
Methvl methacrylate
Concen: 0.34 ug/l
RT: 7.99 min Scan# 1122
Delta R.T. 0.21 min
Lab File: VX004478.D
Acq: 11 Sep 2018 21:01

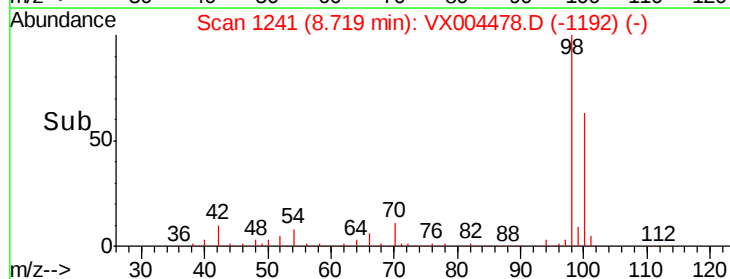
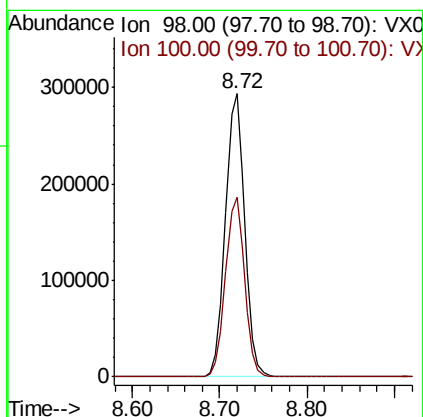
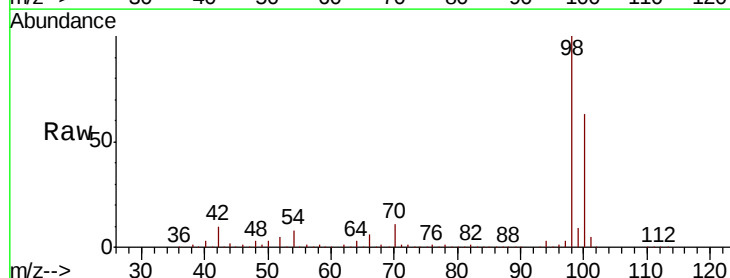
Instrument :
MSVOA_X
ClientSampleId :
KY038PS036-180910

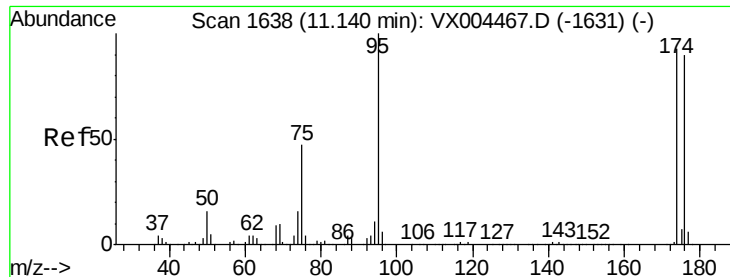
Tot Ion: 41 Resp: 955
Ion Ratio Lower Upper
41 100
69 0.0 70.2 105.4#
39 44.5 42.7 64.1



#50
Toluene-d8
Concen: 46.42 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004478.D
Acq: 11 Sep 2018 21:01

Tgt Ion: 98 Resp: 446808
Ion Ratio Lower Upper
98 100
100 63.2 52.9 79.3

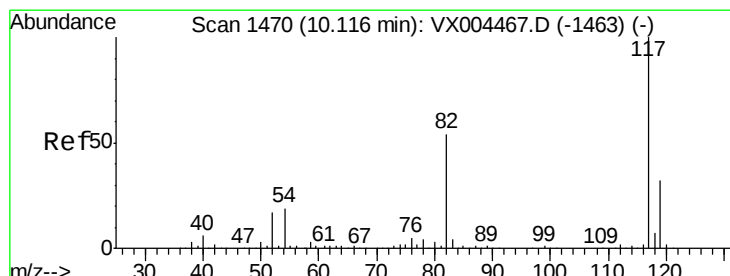
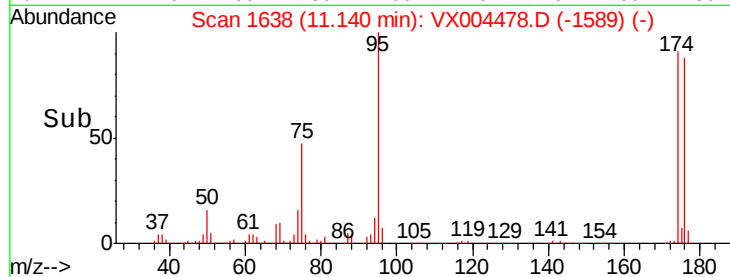
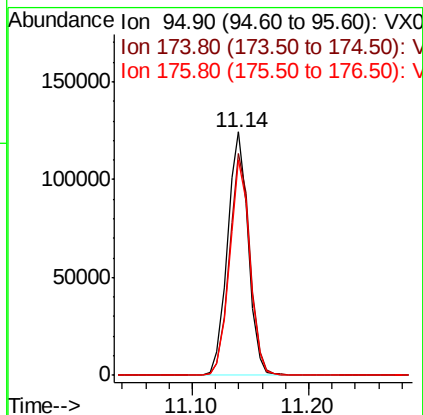
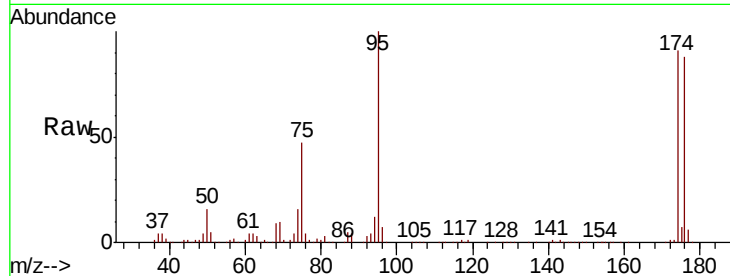




#62
4-Bromofluorobenzene
Concen: 44.55 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX004478.D
Acq: 11 Sep 2018 21:01

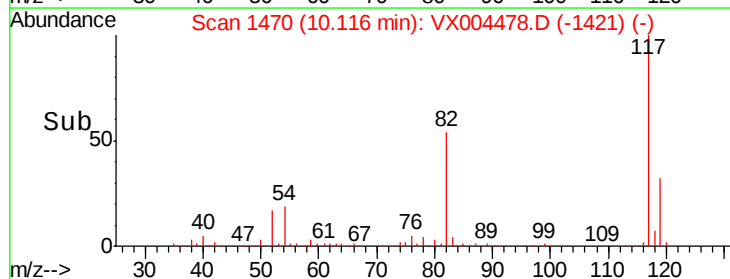
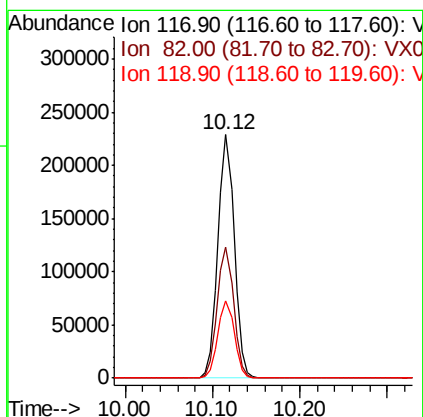
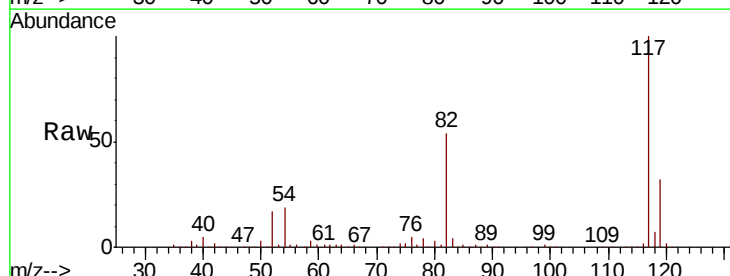
Instrument :
MSVOA_X
ClientSampleId :
KY038PS036-180910

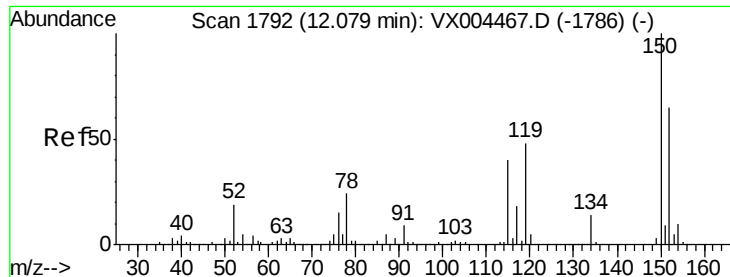
Tot Ion: 95 Resp: 153044
Ion Ratio Lower Upper
95 100
174 91.5 0.0 185.2
176 87.4 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004478.D
Acq: 11 Sep 2018 21:01

Tgt Ion: 117 Resp: 296845
Ion Ratio Lower Upper
117 100
82 53.8 47.8 71.6
119 31.6 29.3 43.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004478.D

Acq: 11 Sep 2018 21:01

Instrument :

MSVOA_X

ClientSampleId :

KY038PS036-180910

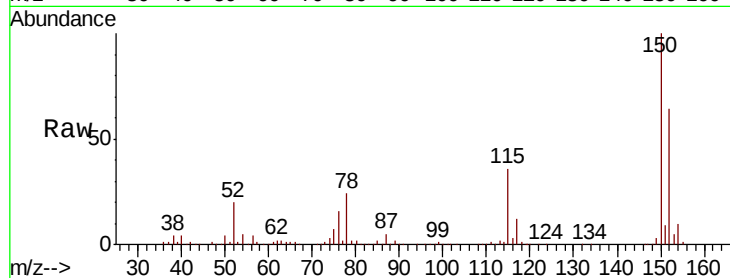
Tot Ion:152 Resp: 158669

Ion Ratio Lower Upper

152 100

115 55.7 39.0 117.0

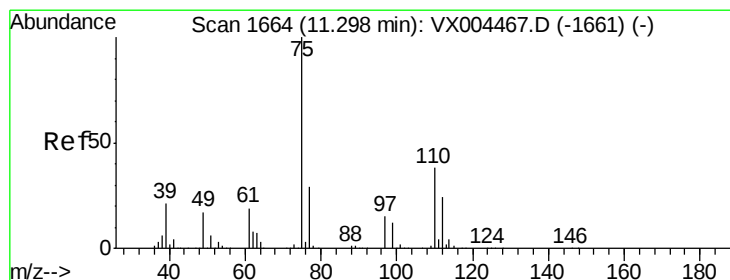
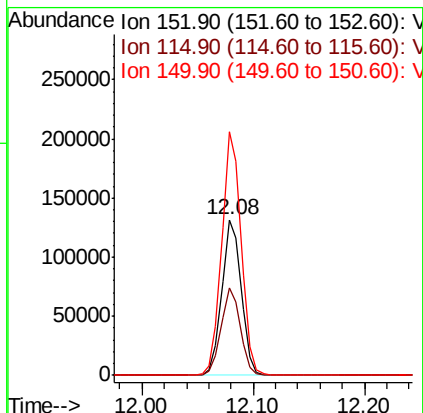
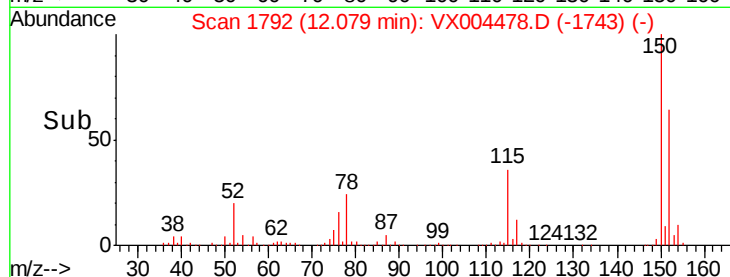
150 156.4 0.0 351.0



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: 23.71 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004478.D

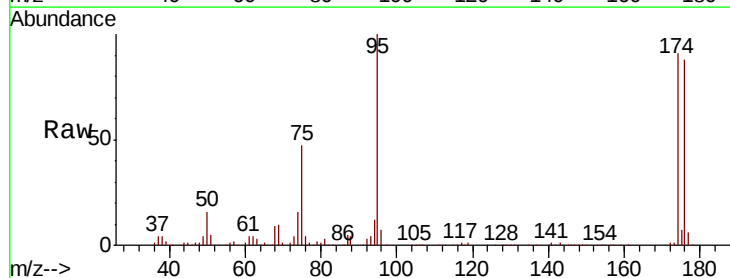
Acq: 11 Sep 2018 21:01

Tgt Ion: 75 Resp: 73522

Ion Ratio Lower Upper

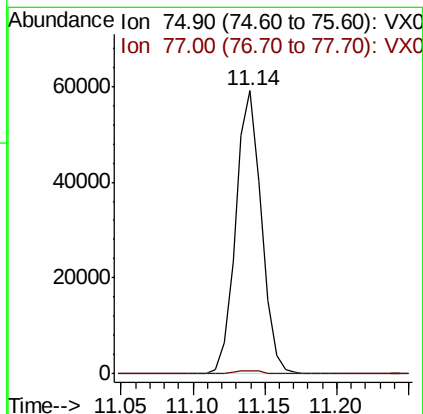
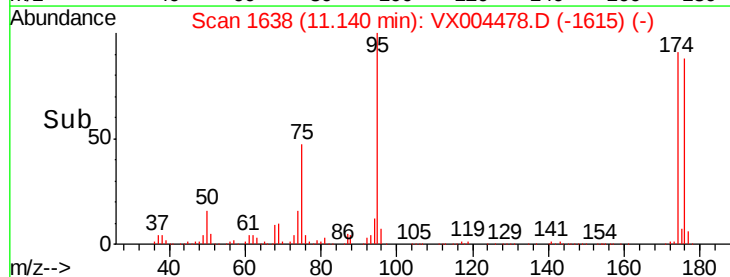
75 100

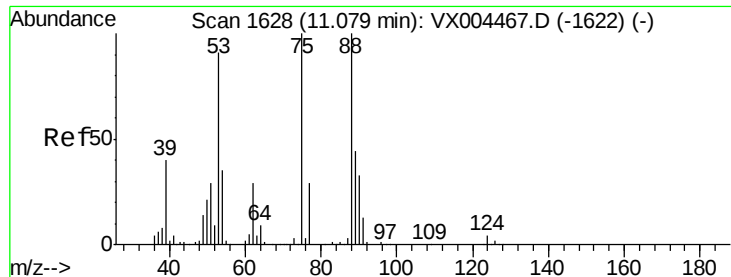
77 1.2 20.2 60.6#



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: 73.41 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004478.D

Acq: 11 Sep 2018 21:01

Instrument :

MSVOA_X

ClientSampleId :

KY038PS036-180910

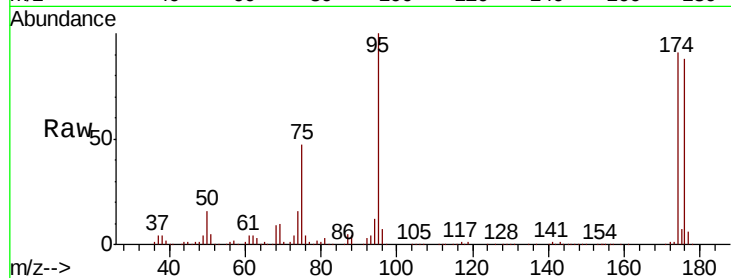
Tot Ion: 75 Resp: 73522

Ion Ratio Lower Upper

75 100

53 0.3 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

