

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091118\
 Data File : VX004480.D
 Acq On : 11 Sep 2018 21:54
 Operator : JC/MD
 Sample : PB112748TB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB112748TB

Quant Time: Sep 12 05:54:28 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	193845	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	320388	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	317318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	169248	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	144134	57.67	ug/l	0.00
Spiked Amount			Recovery	=	115.34%	
35) Dibromofluoromethane	5.51	113	125308	42.74	ug/l	0.00
Spiked Amount			Recovery	=	85.48%	
50) Toluene-d8	8.72	98	465291	47.32	ug/l	0.00
Spiked Amount			Recovery	=	94.64%	
62) 4-Bromofluorobenzene	11.14	95	162506	46.30	ug/l	0.00
Spiked Amount			Recovery	=	92.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	833	0.33	ug/l	93
5) Bromomethane	1.65	94	1154	Below Cal		99
10) Methyl Iodide	2.53	142	493	4.43	ug/l #	41
11) Tert butyl alcohol	3.07	59	399	0.67	ug/l #	85
13) Acrolein	2.29	56	167	0.71	ug/l #	43
16) Acetone	2.45	43	14207	11.65	ug/l	97
18) Methyl Acetate	2.78	43	6297	1.84	ug/l	92
20) Methylene Chloride	2.85	84	16873	6.74	ug/l	97
25) 2-Butanone	4.71	43	2701	1.39	ug/l #	87
29) Tetrahydrofuran	5.18	42	1167	1.00	ug/l #	91
36) 1,1-Dichloropropene	5.66	75	13028	3.35	ug/l #	49
38) Carbon Tetrachloride	5.67	117	17314	4.56	ug/l #	16
43) Isopropyl Acetate	6.46	43	148305	25.24	ug/l	98
48) Methyl methacrylate	7.69	41	7477	2.57	ug/l #	20
51) 4-Methyl-2-Pentanone	8.62	43	2224	0.54	ug/l #	34
54) cis-1,3-Dichloropropene	8.62	75	1144	0.29	ug/l #	67
59) 2-Hexanone	9.55	43	9669	3.04	ug/l #	55
76) 1,2,3-Trichloropropane	11.14	75	78333	23.69	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	78333	73.33	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004480.D

Acq: 11 Sep 2018 21:54

Instrument :

MSVOA_X

ClientSampleId :

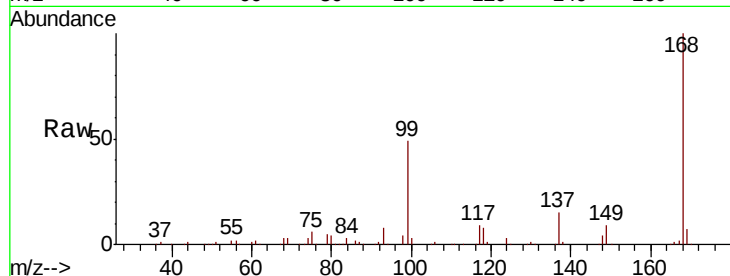
PB112748TB

Tot Ion:168 Resp: 193845

Ion Ratio Lower Upper

168 100

99 48.8 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

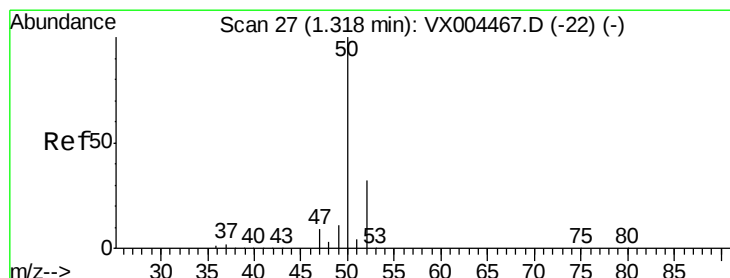
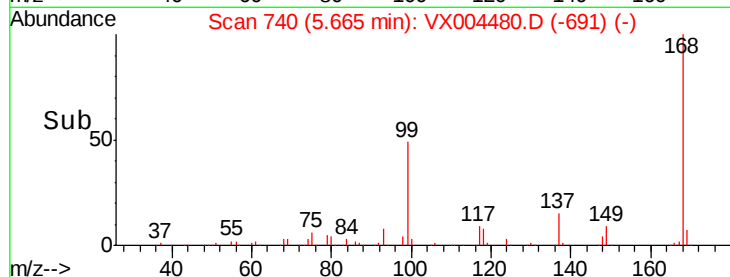
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.33 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004480.D

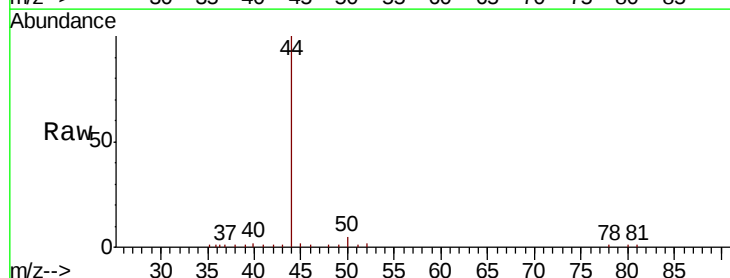
Acq: 11 Sep 2018 21:54

Tgt Ion: 50 Resp: 833

Ion Ratio Lower Upper

50 100

52 36.4 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

500

400

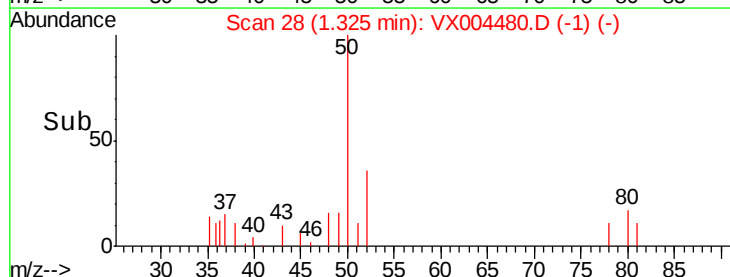
300

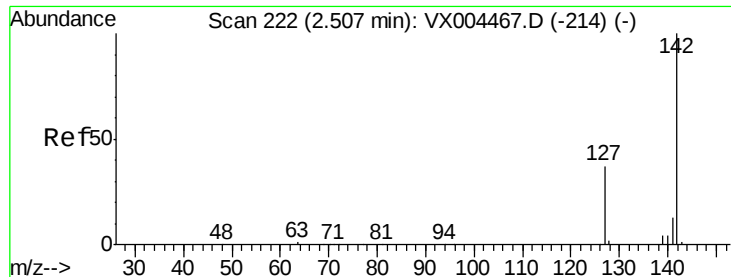
200

100

0

Time--> 1.30 1.35

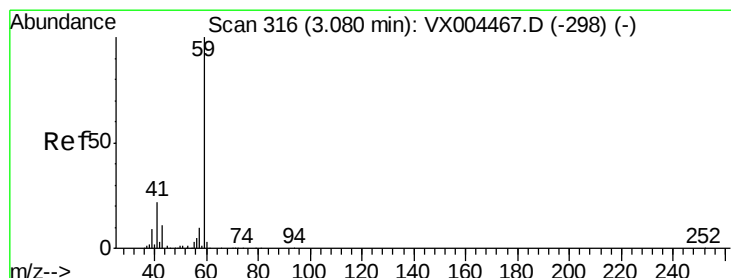
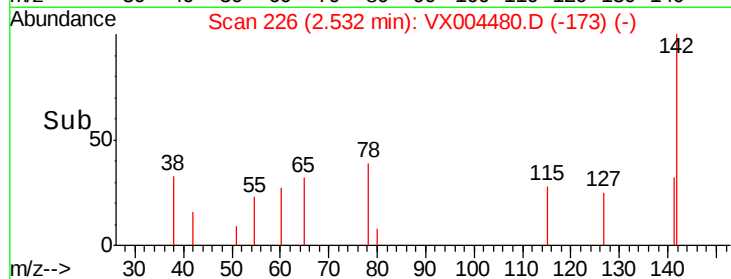
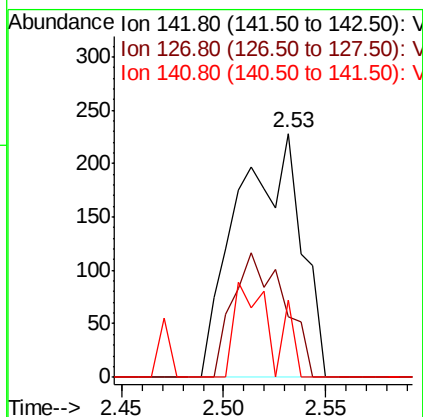
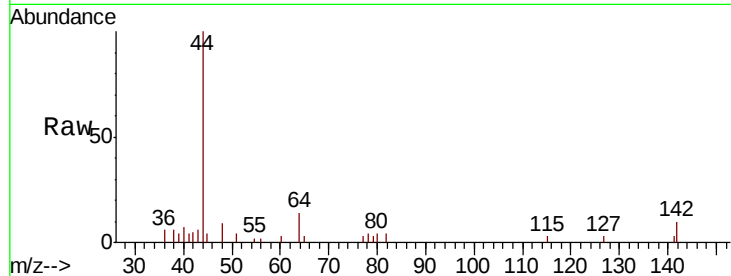




#10
Methyl Iodide
Concen: 4.43 ug/l
RT: 2.53 min Scan# 226
Delta R.T. 0.02 min
Lab File: VX004480.D
Acq: 11 Sep 2018 21:54

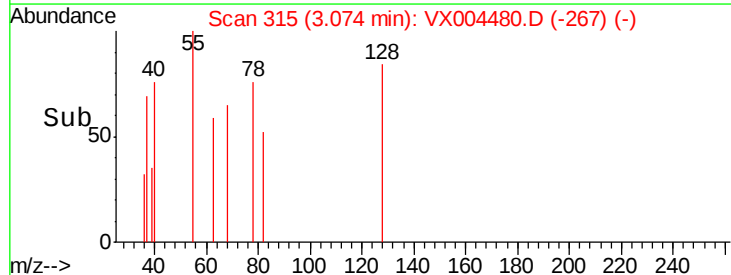
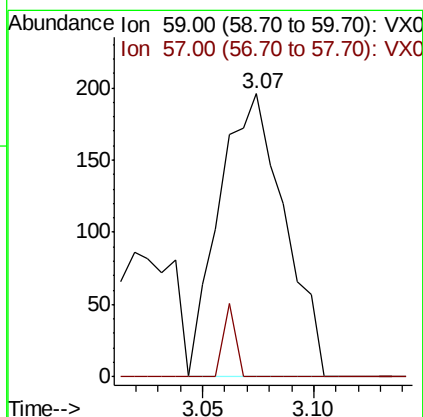
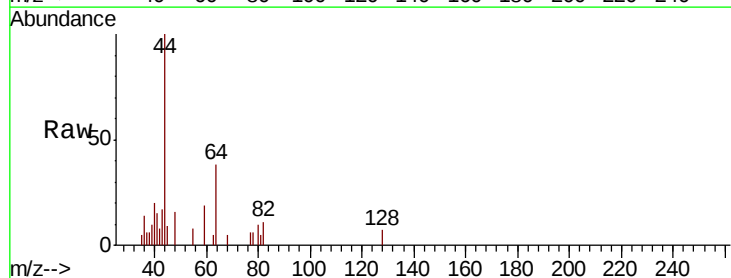
Instrument :
MSVOA_X
ClientSampled :
PB112748TB

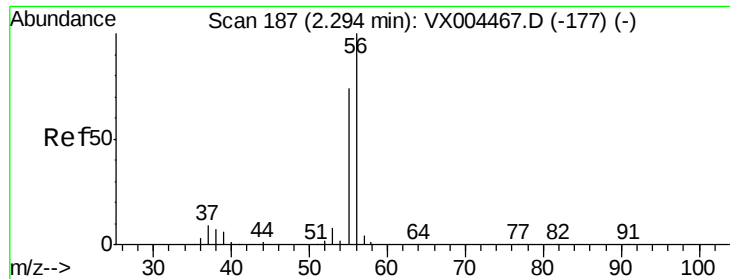
Tot Ion:142 Resp: 493
Ion Ratio Lower Upper
142 100
127 0.0 33.8 50.6#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.67 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX004480.D
Acq: 11 Sep 2018 21:54

Tgt Ion: 59 Resp: 399
Ion Ratio Lower Upper
59 100
57 4.8 8.2 12.4#





#13

Acrolein

Concen: 0.71 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004480.D

Acq: 11 Sep 2018 21:54

Instrument :

MSVOA_X

ClientSampleId :

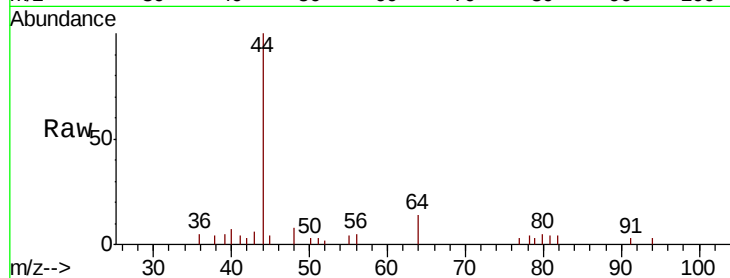
PB112748TB

Tot Ion: 56 Resp: 167

Ion Ratio Lower Upper

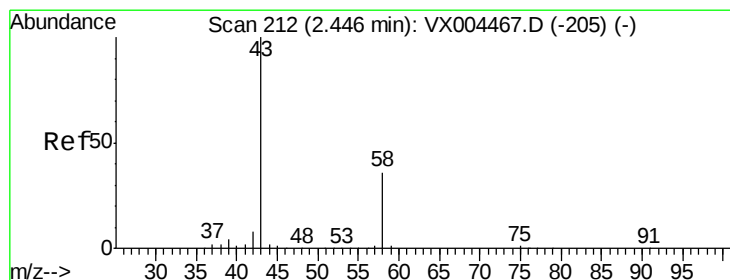
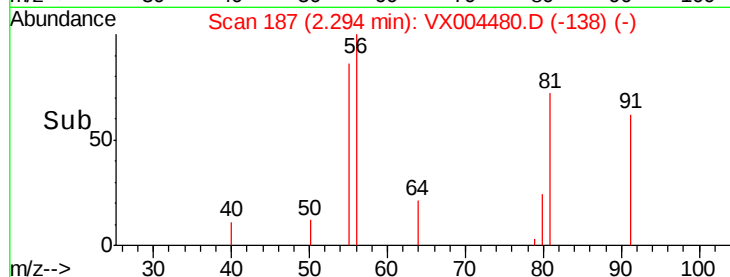
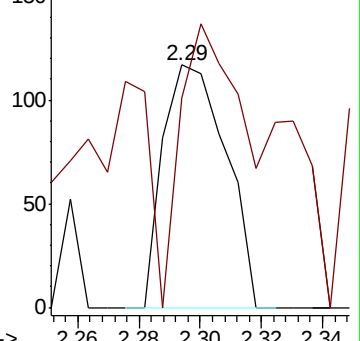
56 100

55 115.0 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: 11.65 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004480.D

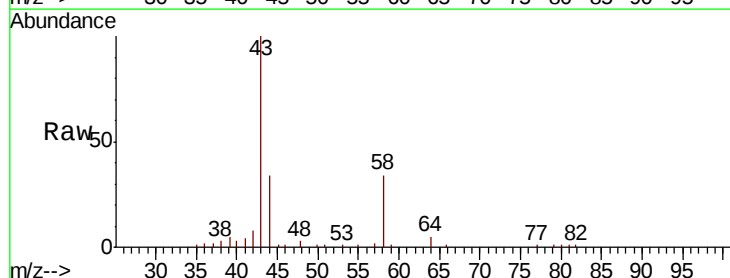
Acq: 11 Sep 2018 21:54

Tgt Ion: 43 Resp: 14207

Ion Ratio Lower Upper

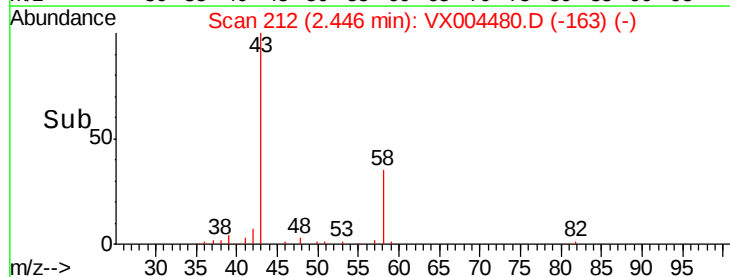
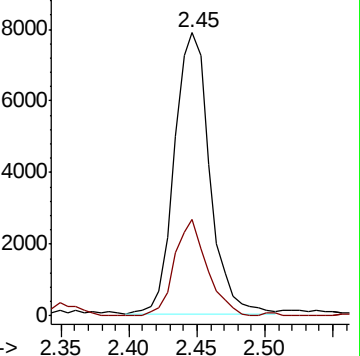
43 100

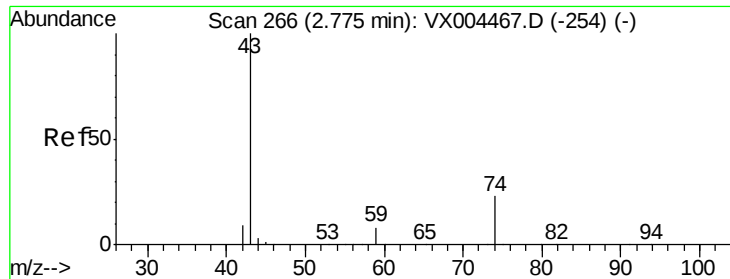
58 34.4 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

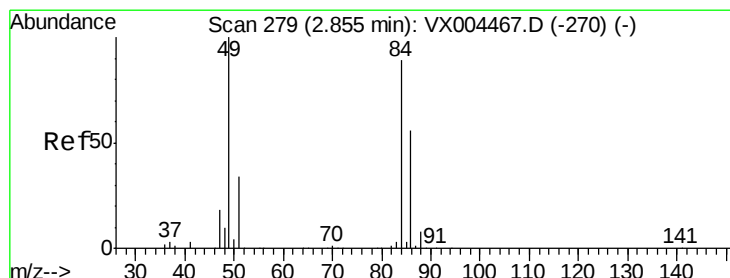
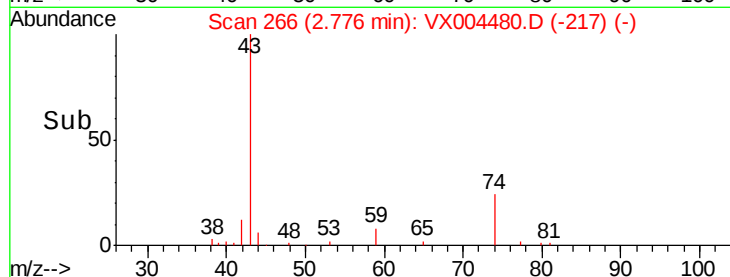
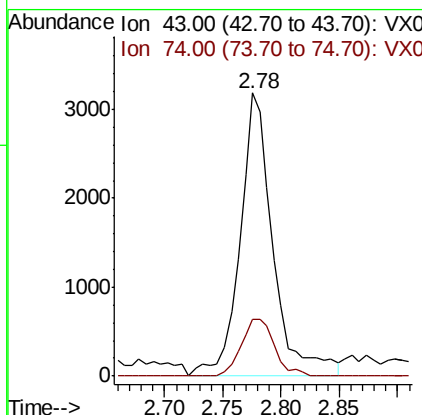
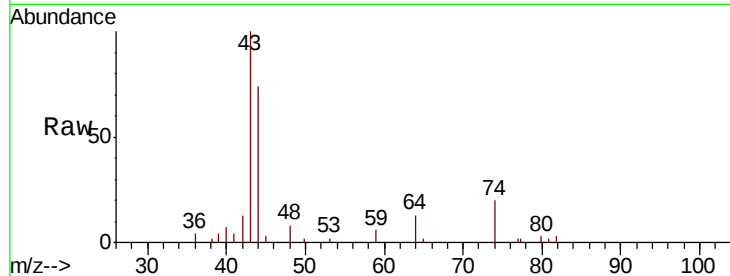




#18
Methyl Acetate
Concen: 1.84 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX004480.D
Acq: 11 Sep 2018 21:54

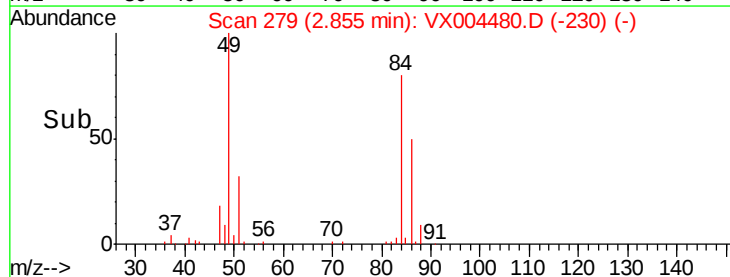
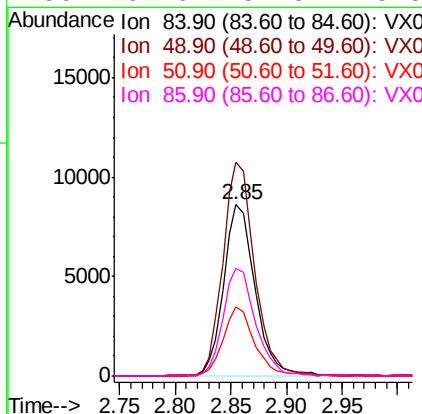
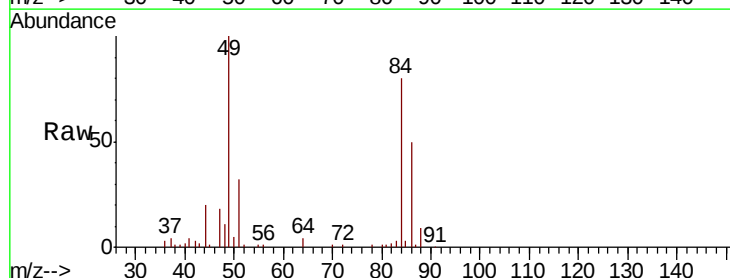
Instrument :
MSVOA_X
ClientSampled :
PB112748TB

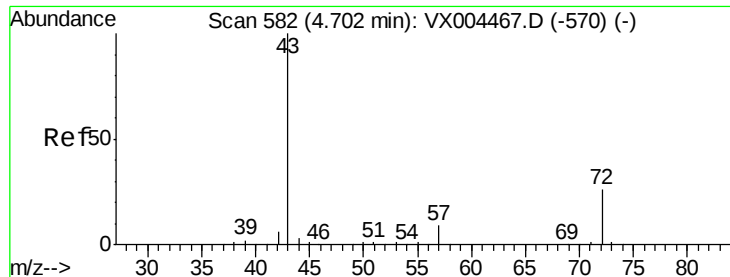
Tot Ion: 43 Resp: 6297
Ion Ratio Lower Upper
43 100
74 20.3 19.4 29.2



#20
Methylene Chloride
Concen: 6.74 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004480.D
Acq: 11 Sep 2018 21:54

Tgt Ion: 84 Resp: 16873
Ion Ratio Lower Upper
84 100
49 124.6 101.2 151.8
51 39.6 29.5 44.3
86 62.6 52.3 78.5





#25

2-Butanone

Concen: 1.39 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX004480.D

Acq: 11 Sep 2018 21:54

Instrument :

MSVOA_X

ClientSampleId :

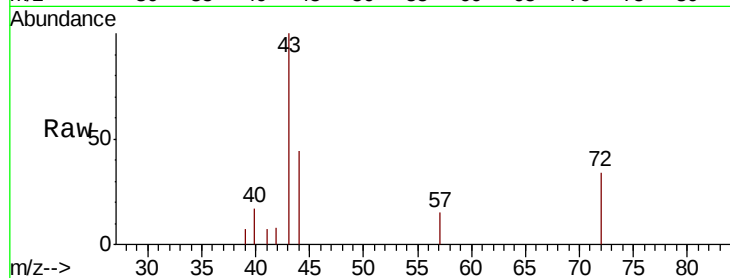
PB112748TB

Tot Ion: 43 Resp: 2701

Ion Ratio Lower Upper

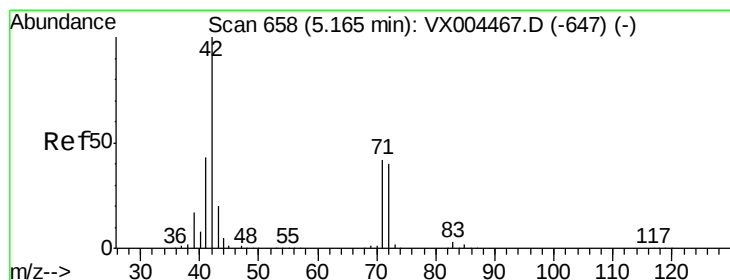
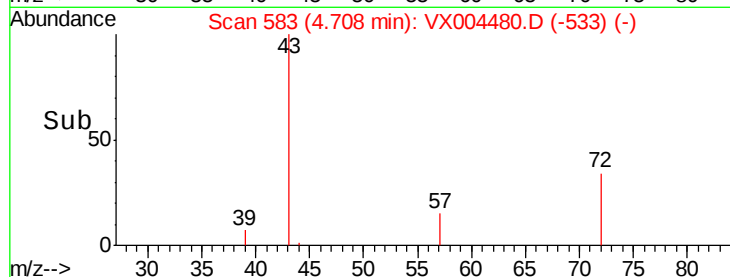
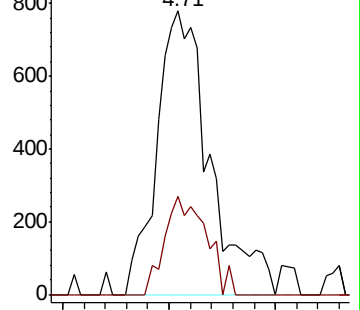
43 100

72 34.4 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: 1.00 ug/l

RT: 5.18 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX004480.D

Acq: 11 Sep 2018 21:54

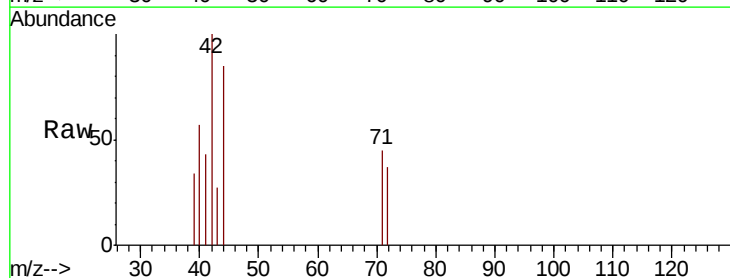
Tgt Ion: 42 Resp: 1167

Ion Ratio Lower Upper

42 100

72 36.8 37.4 56.0#

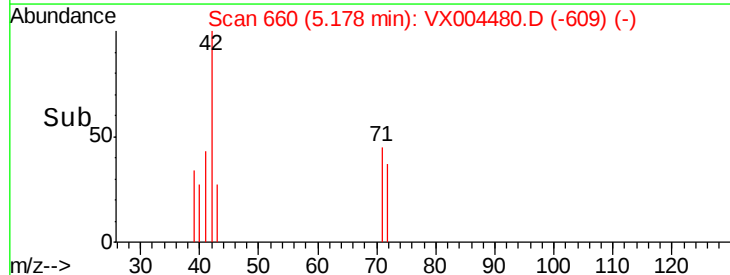
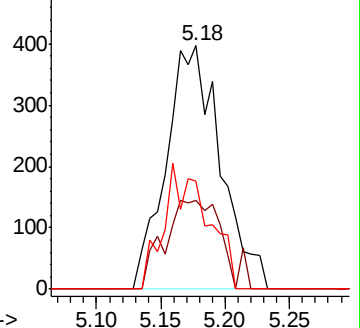
71 41.2 34.5 51.7

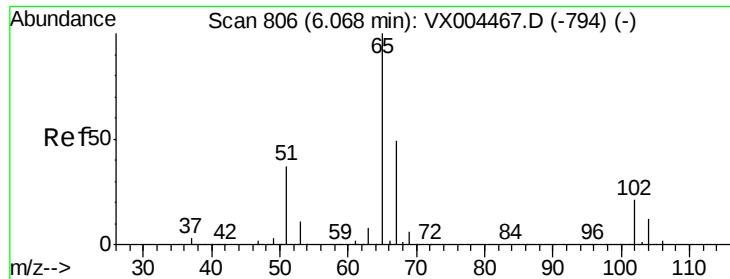


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

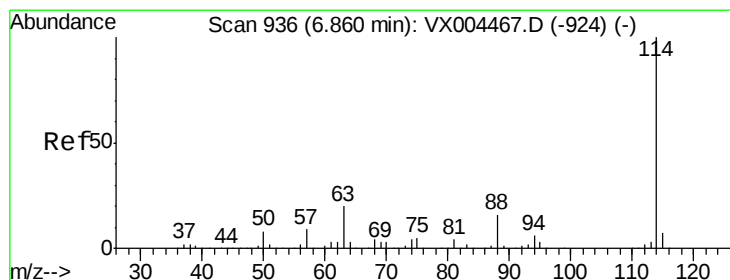
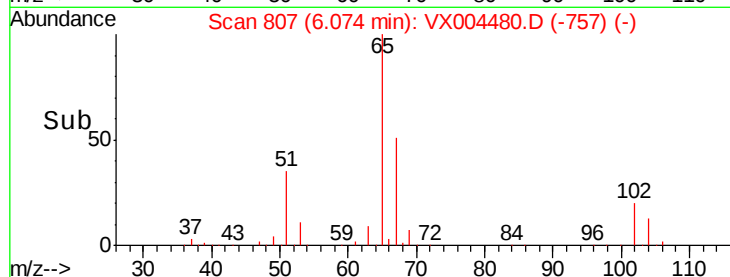
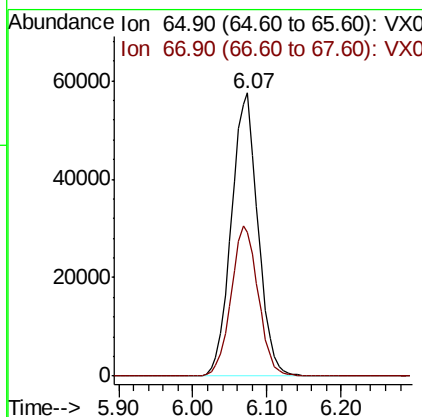
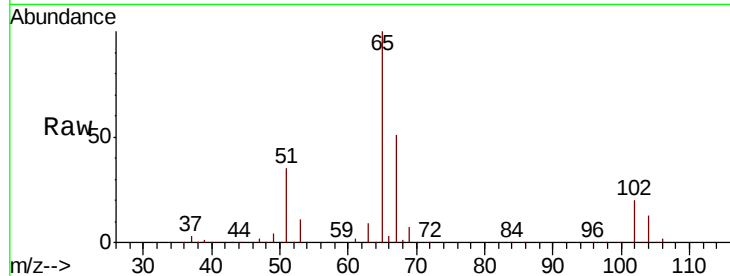




#33
 1,2-Dichloroethane-d4
 Concen: 57.67 ug/l
 RT: 6.07 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX004480.D
 Acq: 11 Sep 2018 21:54

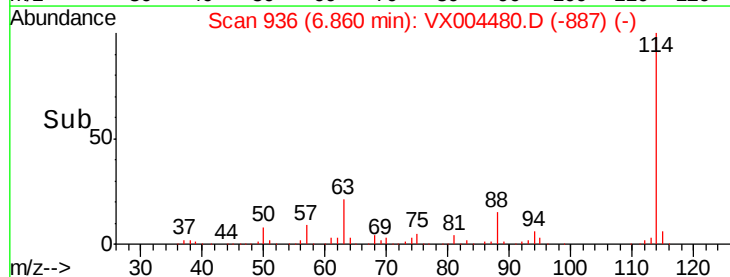
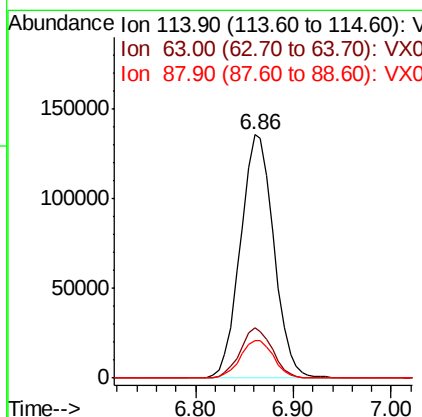
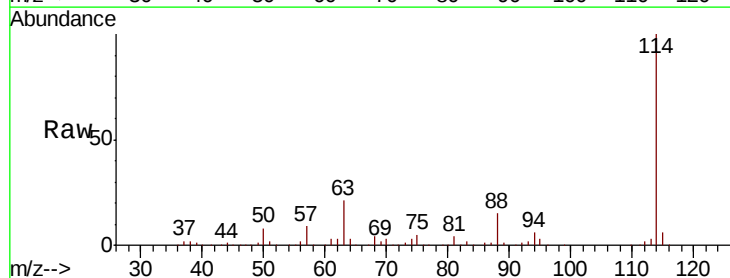
Instrument :
 MSVOA_X
 ClientSampleId :
 PB112748TB

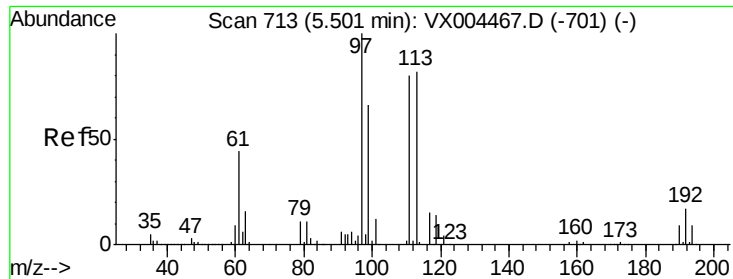
Tot Ion: 65 Resp: 144134
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004480.D
 Acq: 11 Sep 2018 21:54

Tgt Ion: 114 Resp: 320388
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 39.0
 88 15.2 0.0 30.4





#35

Dibromofluoromethane

Concen: 42.74 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX004480.D

Acq: 11 Sep 2018 21:54

Instrument :

MSVOA_X

ClientSampleId :

PB112748TB

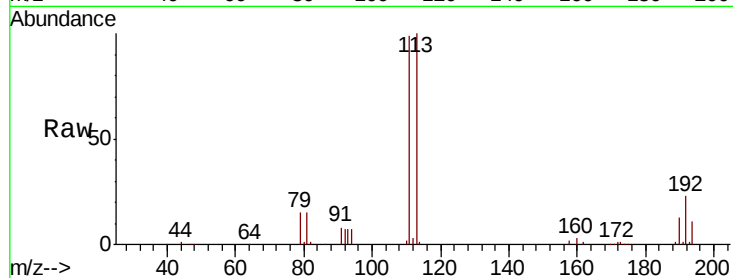
Tot Ion:113 Resp: 125308

Ion Ratio Lower Upper

113 100

111 101.5 82.4 123.6

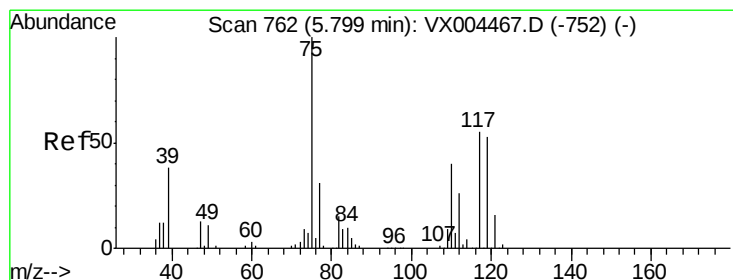
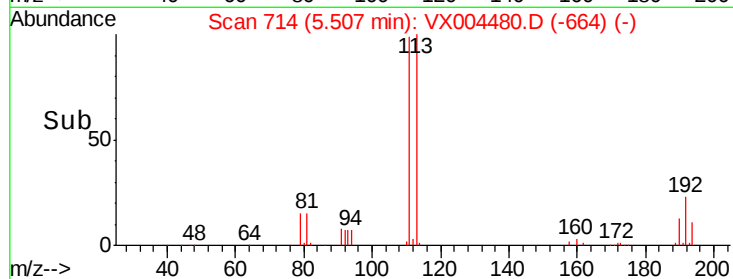
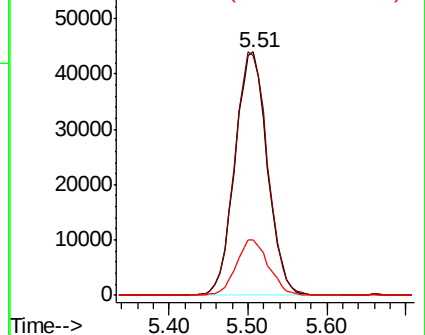
192 22.8 19.4 29.2



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: 3.35 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX004480.D

Acq: 11 Sep 2018 21:54

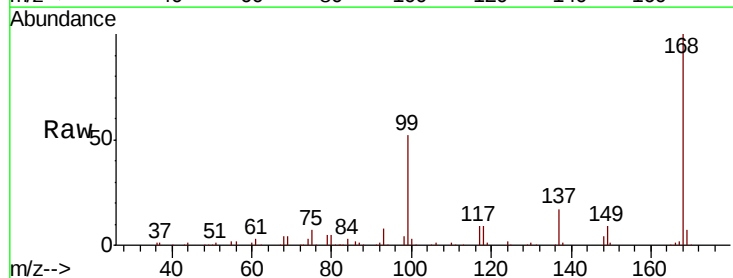
Tgt Ion: 75 Resp: 13028

Ion Ratio Lower Upper

75 100

110 8.9 18.0 54.0#

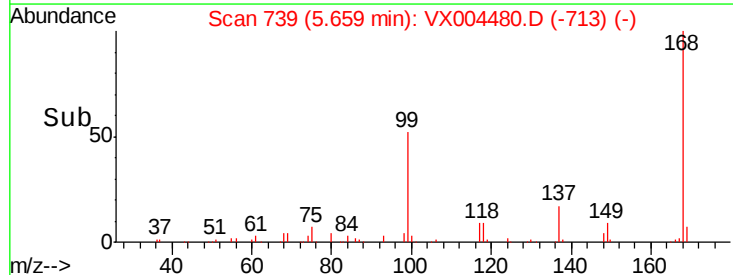
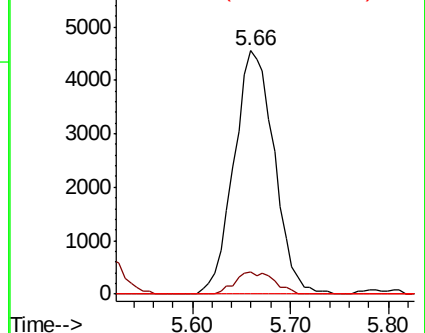
77 0.0 24.6 36.8#

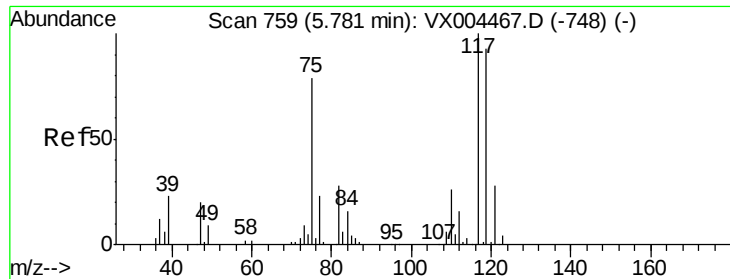


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 4.56 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004480.D

Acq: 11 Sep 2018 21:54

Instrument :

MSVOA_X

ClientSampleId :

PB112748TB

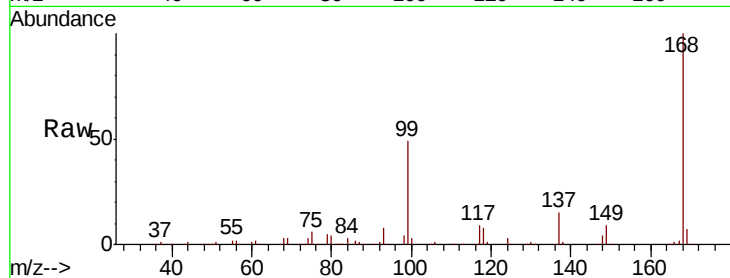
Tot Ion:117 Resp: 17314

Ion Ratio Lower Upper

117 100

119 7.0 78.8 118.2#

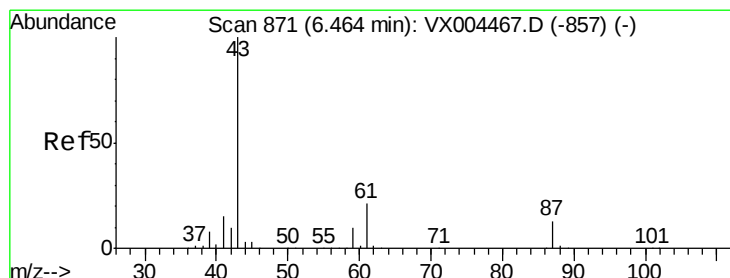
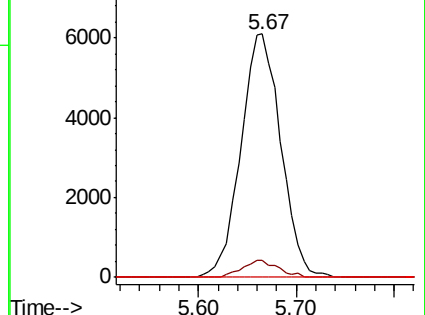
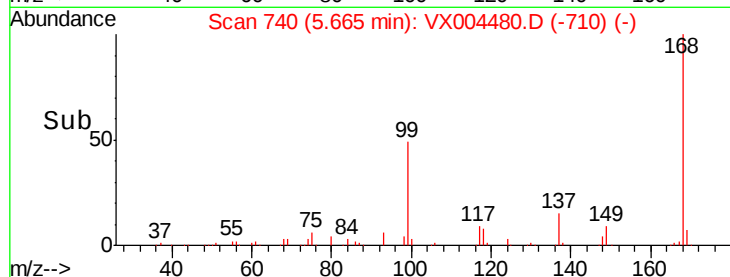
121 0.0 24.9 37.3#



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



#43

Isopropyl Acetate

Concen: 25.24 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX004480.D

Acq: 11 Sep 2018 21:54

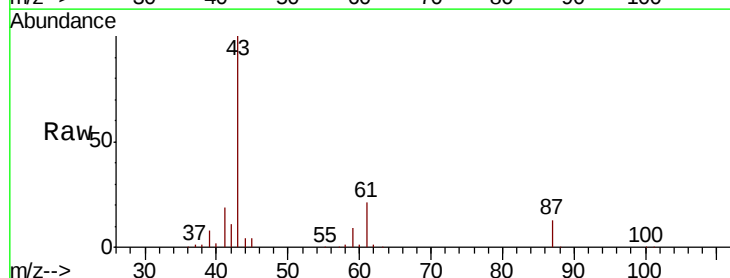
Tgt Ion: 43 Resp: 148305

Ion Ratio Lower Upper

43 100

61 20.5 17.0 25.4

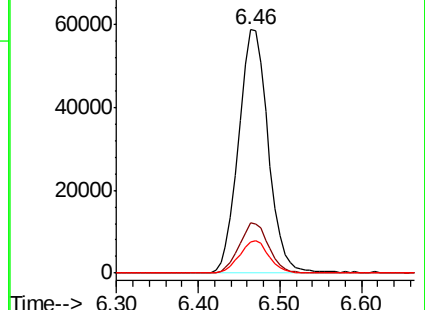
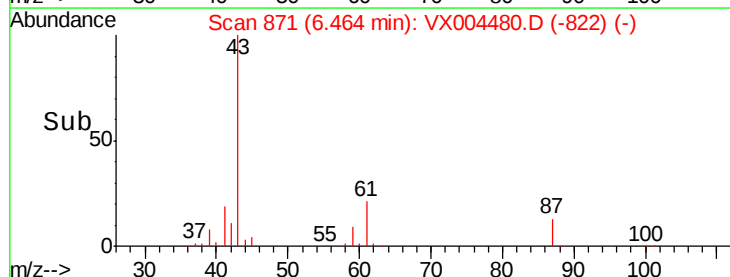
87 13.2 11.4 17.2

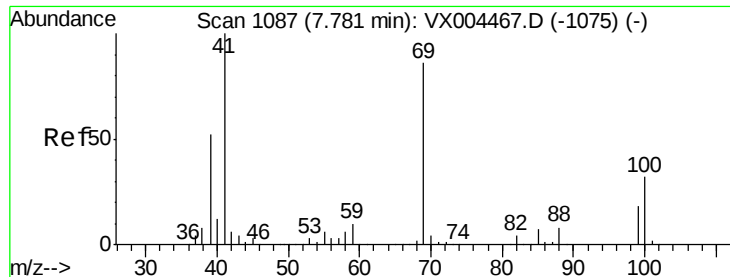


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#48

Methvl methacrylate

Concen: 2.57 ug/l

RT: 7.69 min Scan# 1072

Delta R.T. -0.09 min

Lab File: VX004480.D

Acq: 11 Sep 2018 21:54

Instrument :

MSVOA_X

ClientSampleId :

PB112748TB

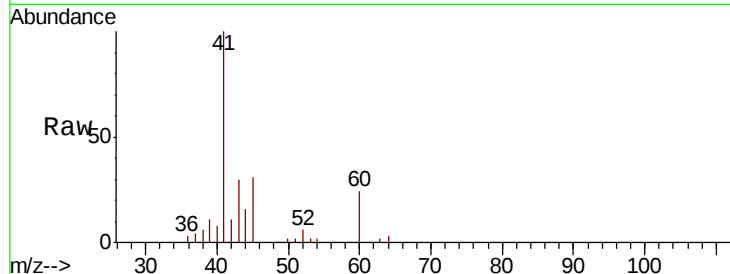
Tot Ion: 41 Resp: 7477

Ion Ratio Lower Upper

41 100

69 0.0 70.2 105.4#

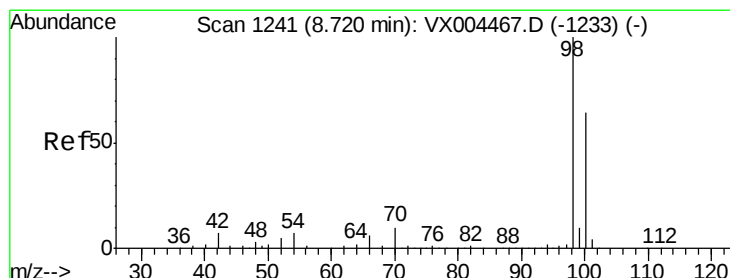
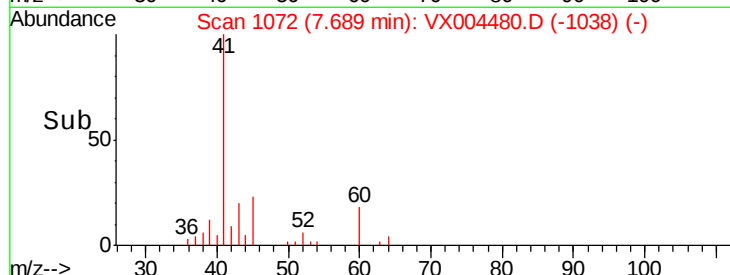
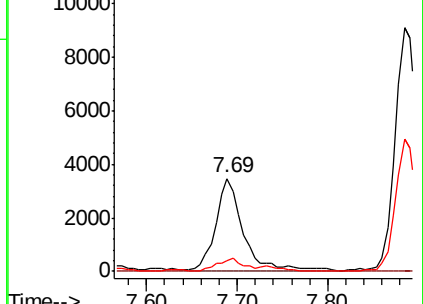
39 12.9 42.7 64.1#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#50

Toluene-d8

Concen: 47.32 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VX004480.D

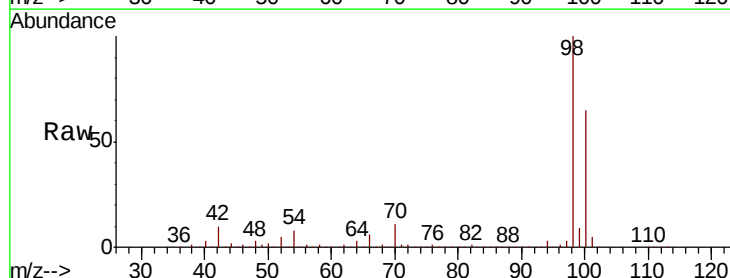
Acq: 11 Sep 2018 21:54

Tgt Ion: 98 Resp: 465291

Ion Ratio Lower Upper

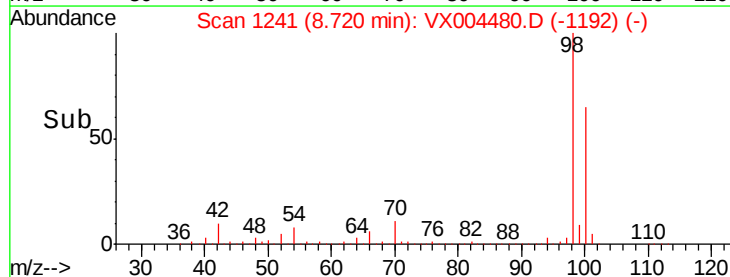
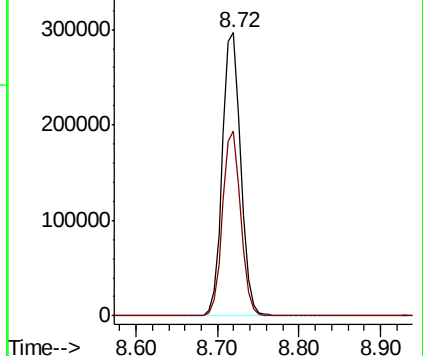
98 100

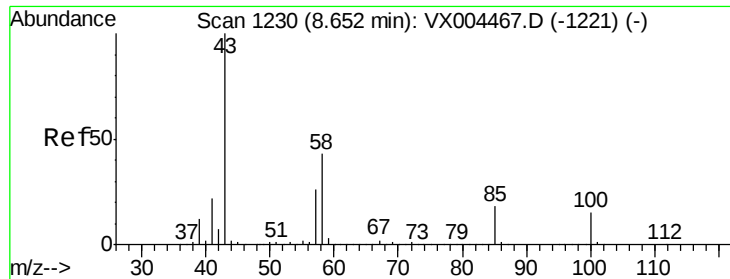
100 64.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

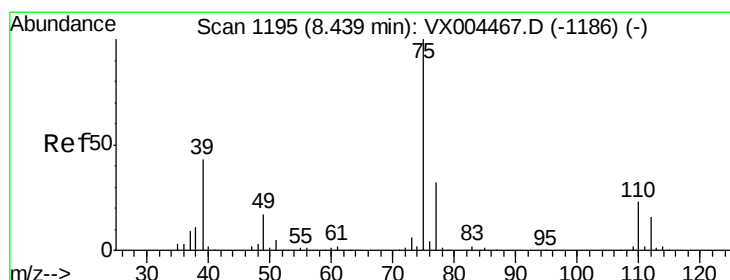
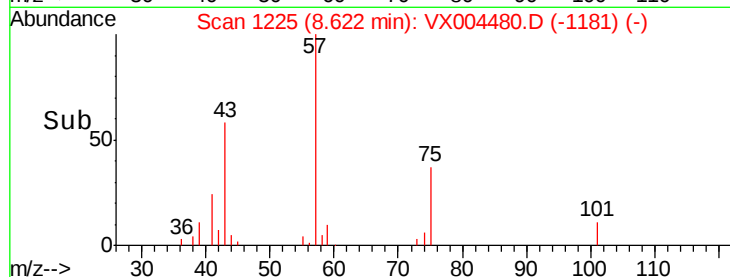
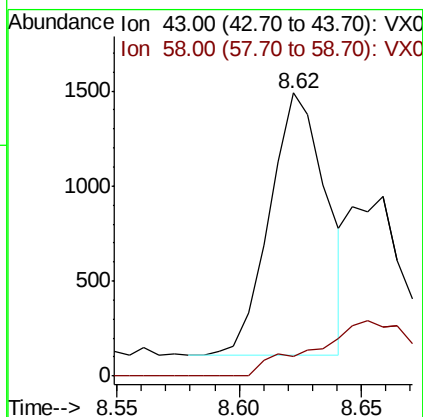
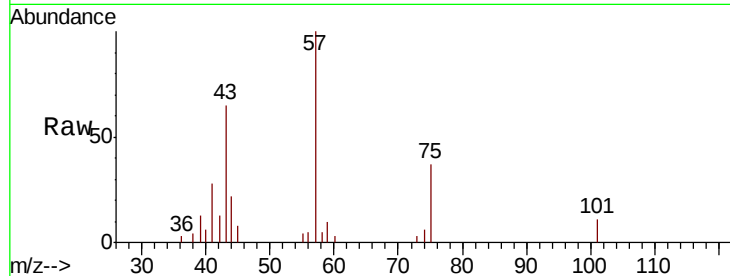




#51
 4-Methyl-2-Pentanone
 Concen: 0.54 ug/l
 RT: 8.62 min Scan# 1225
 Delta R.T. -0.03 min
 Lab File: VX004480.D
 Acq: 11 Sep 2018 21:54

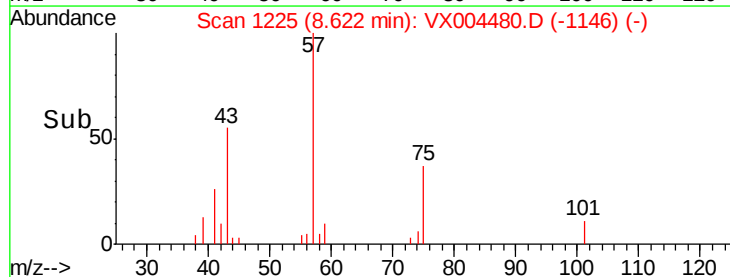
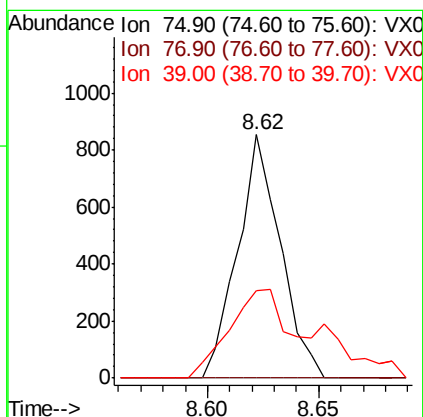
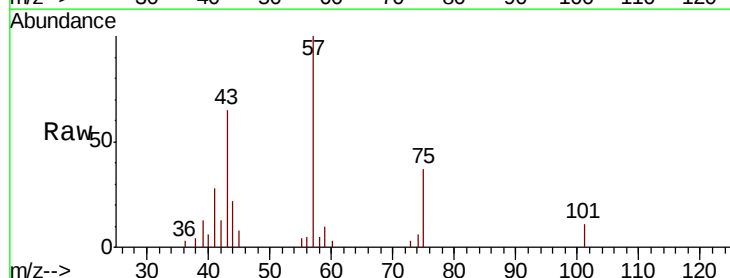
Instrument :
 MSVOA_X
 ClientSampleID :
 PB112748TB

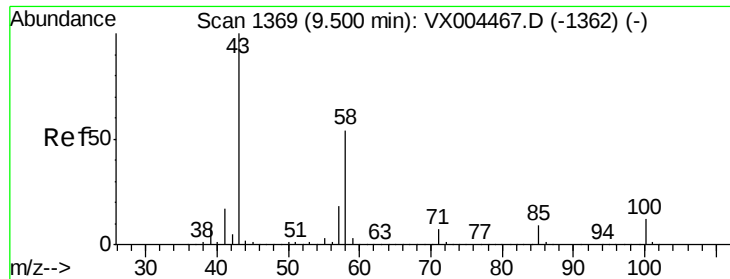
Tot Ion: 43 Resp: 2224
 Ion Ratio Lower Upper
 43 100
 58 0.0 33.1 49.7#



#54
 cis-1,3-Dichloropropene
 Concen: 0.29 ug/l
 RT: 8.62 min Scan# 1225
 Delta R.T. 0.18 min
 Lab File: VX004480.D
 Acq: 11 Sep 2018 21:54

Tgt Ion: 75 Resp: 1144
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.2 39.2#
 39 35.7 36.4 54.6#

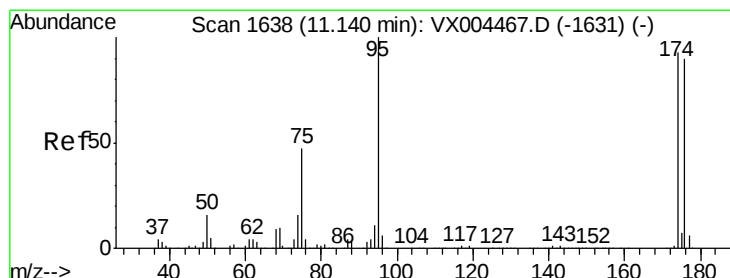
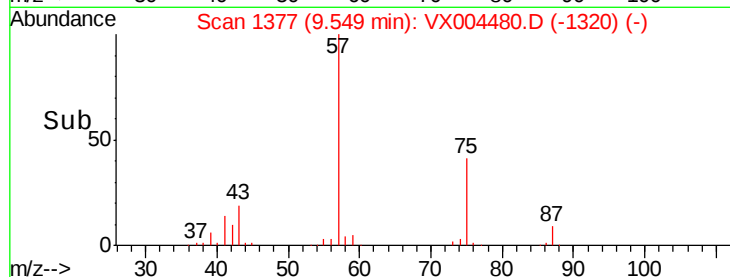
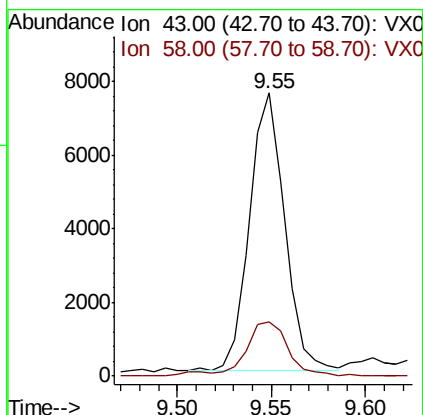
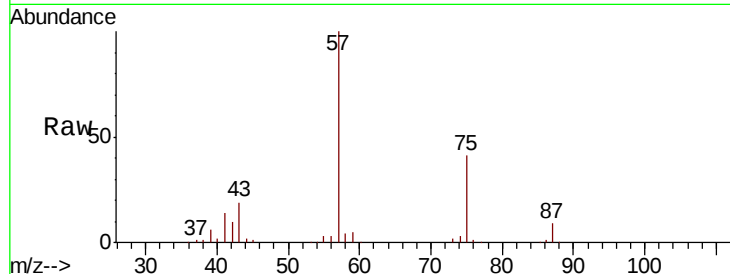




#59
2-Hexanone
Concen: 3.04 ug/l
RT: 9.55 min Scan# 1377
Delta R.T. 0.05 min
Lab File: VX004480.D
Acq: 11 Sep 2018 21:54

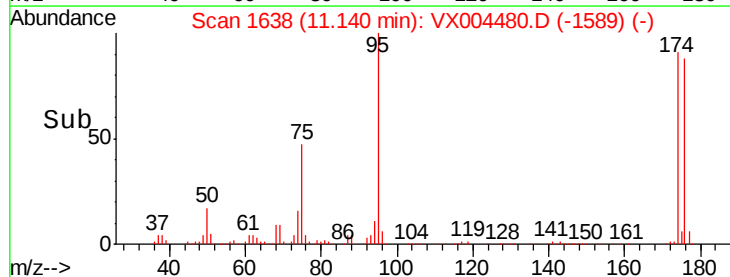
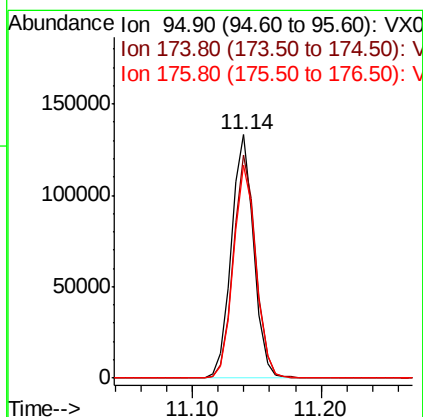
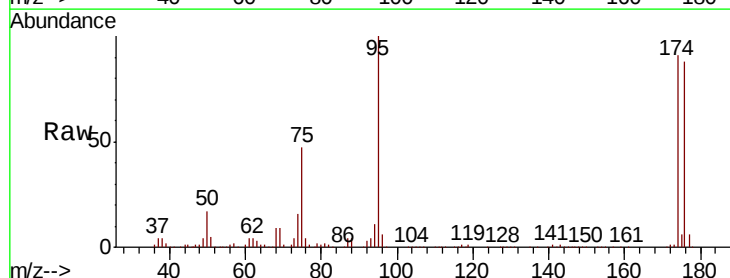
Instrument :
MSVOA_X
ClientSampleId :
PB112748TB

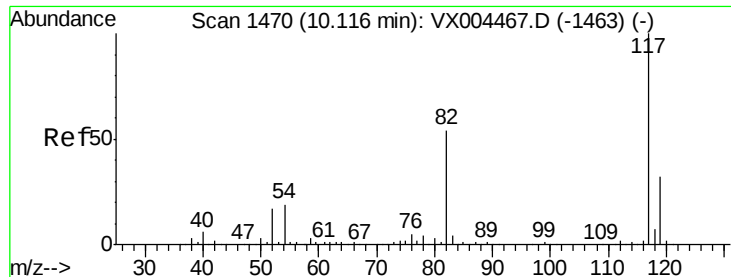
Tot Ion: 43 Resp: 9669
Ion Ratio Lower Upper
43 100
58 24.4 29.0 87.0#



#62
4-Bromofluorobenzene
Concen: 46.30 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX004480.D
Acq: 11 Sep 2018 21:54

Tgt Ion: 95 Resp: 162506
Ion Ratio Lower Upper
95 100
174 91.9 0.0 185.2
176 88.5 0.0 178.6

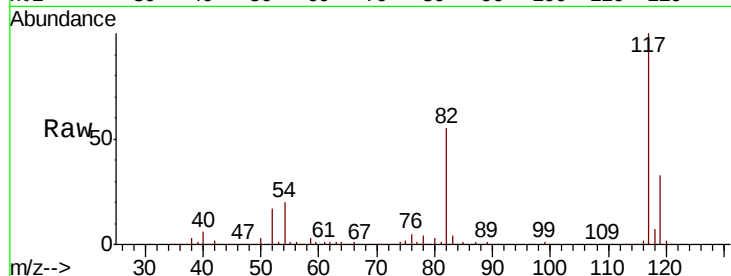




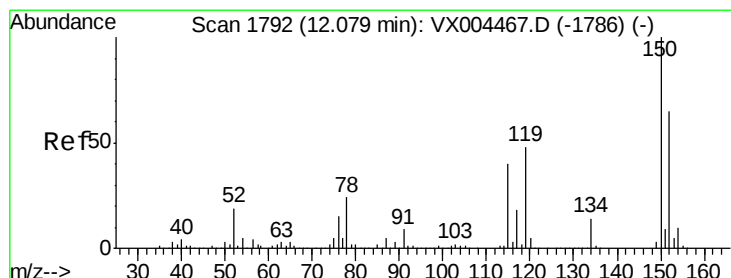
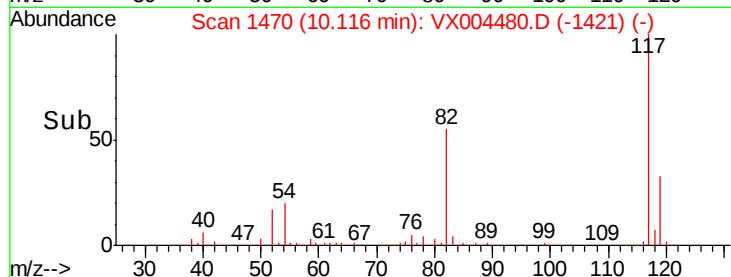
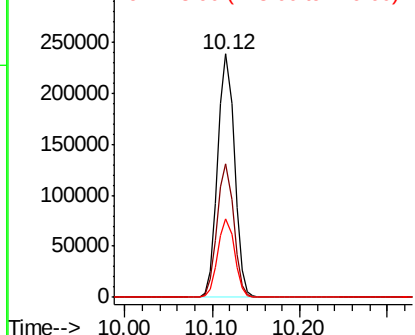
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004480.D
Acq: 11 Sep 2018 21:54

Instrument :
MSVOA_X
ClientSampleId :
PB112748TB

Tot Ion:117 Resp: 317318
Ion Ratio Lower Upper
117 100
82 55.0 47.8 71.6
119 32.5 29.3 43.9

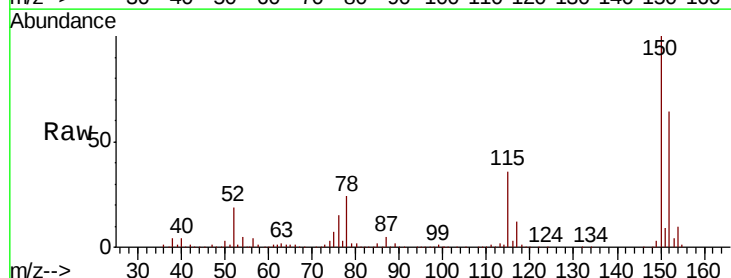


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

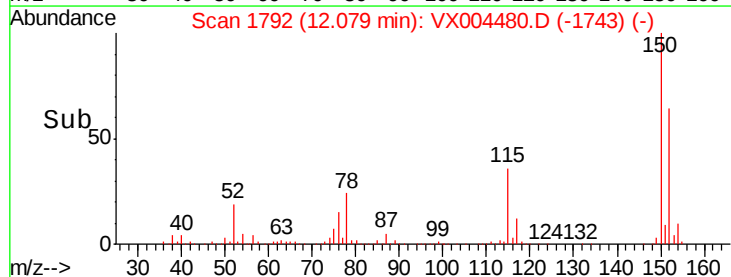
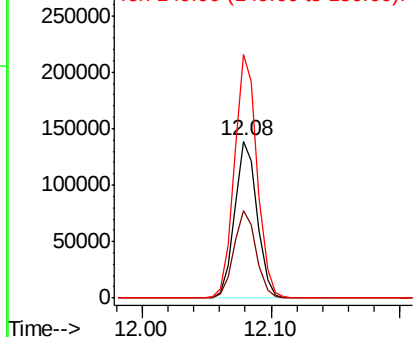


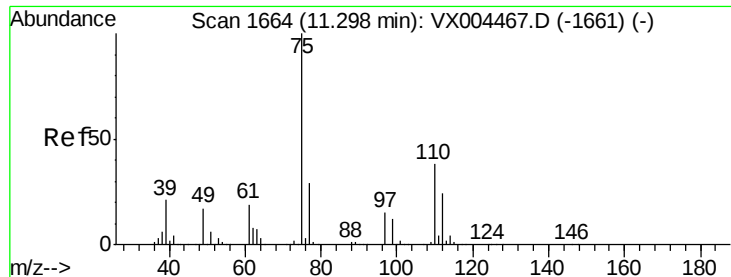
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004480.D
Acq: 11 Sep 2018 21:54

Tgt Ion:152 Resp: 169248
Ion Ratio Lower Upper
152 100
115 55.2 39.0 117.0
150 156.3 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: 23.69 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004480.D

Acq: 11 Sep 2018 21:54

Instrument :

MSVOA_X

ClientSampleId :

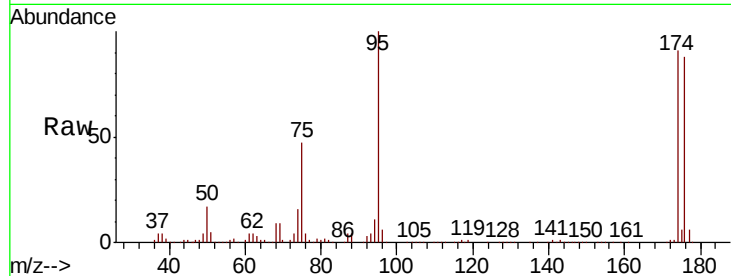
PB112748TB

Tot Ion: 75 Resp: 78333

Ion Ratio Lower Upper

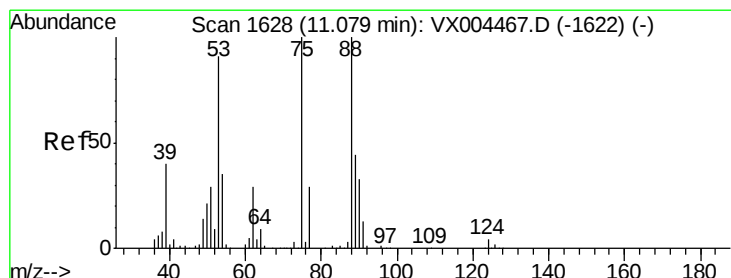
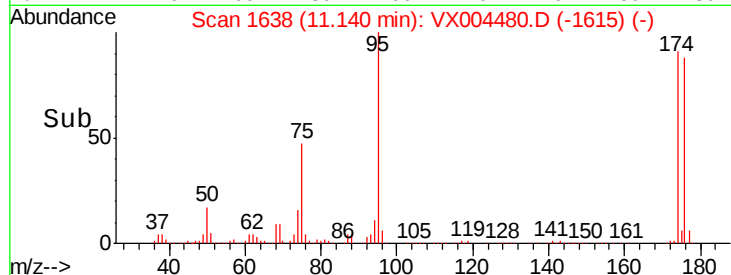
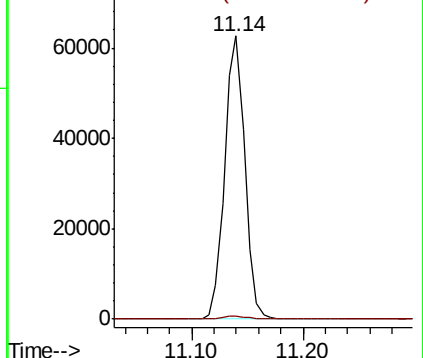
75 100

77 1.3 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: 73.33 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004480.D

Acq: 11 Sep 2018 21:54

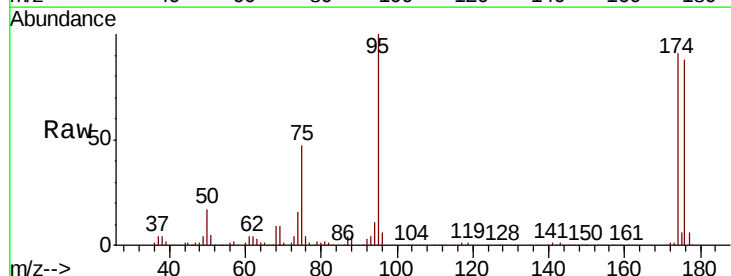
Tgt Ion: 75 Resp: 78333

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

