

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102218\
 Data File : VX005502.D
 Acq On : 23 Oct 2018 06:20
 Operator : JC/MD
 Sample : J5626-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PA-TWP-01

Quant Time: Oct 23 07:40:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	225049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	324650	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	287813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	139868	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	140101	56.09	ug/l	0.00
Spiked Amount			Recovery	=	112.18%	
35) Dibromofluoromethane	5.51	113	110913	51.58	ug/l	0.01
Spiked Amount			Recovery	=	103.16%	
50) Toluene-d8	8.72	98	380972	51.61	ug/l	0.00
Spiked Amount			Recovery	=	103.22%	
62) 4-Bromofluorobenzene	11.14	95	126014	45.44	ug/l	0.00
Spiked Amount			Recovery	=	90.88%	

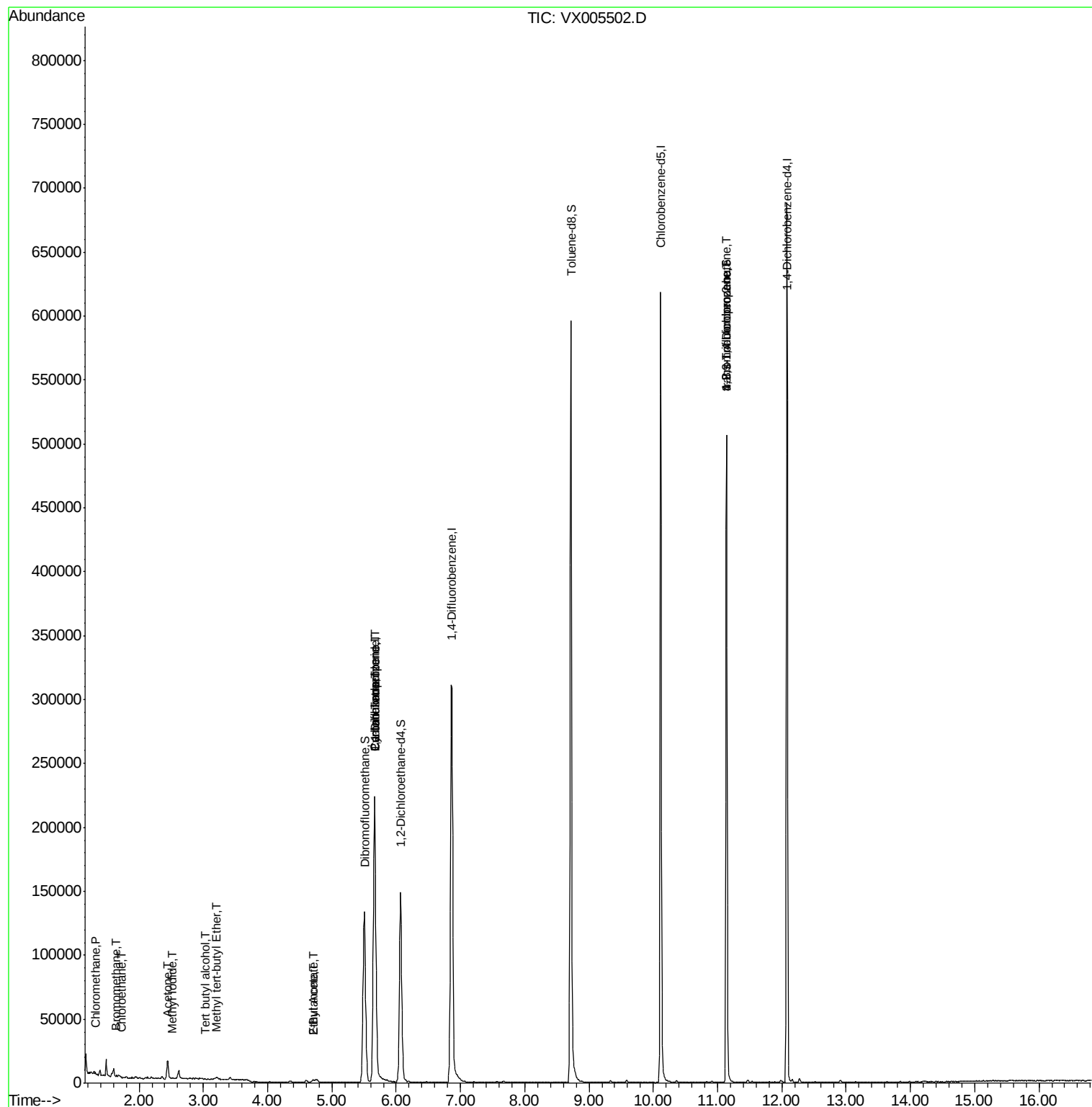
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1097	0.430	ug/l #	82
5) Bromomethane	1.65	94	297	0.785	ug/l #	56
6) Chloroethane	1.73	64	317	0.522	ug/l #	86
10) Methyl Iodide	2.51	142	133	2.547	ug/l #	64
11) Tert butyl alcohol	3.02	59	377	0.535	ug/l #	88
13) Acrolein	2.29	56	481	Below Cal	#	60
16) Acetone	2.45	43	15679	10.857	ug/l	92
19) Methyl tert-butyl Ether	3.20	73	1964	0.283	ug/l #	89
20) Methylene Chloride	2.86	84	205	Below Cal	#	39
25) 2-Butanone	4.71	43	3553	1.682	ug/l	95
31) Cyclohexane	5.66	56	4313	1.256	ug/l #	22
36) 1,1-Dichloropropene	5.66	75	15638	4.974	ug/l #	50
37) Ethyl Acetate	4.71	43	3553	0.879	ug/l #	69
38) Carbon Tetrachloride	5.66	117	19648	6.219	ug/l #	17
44) Trichloroethene	7.21	130	234	Below Cal		79
76) 1,2,3-Trichloropropane	11.14	75	64899	23.921	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	64899	72.684	ug/l #	10

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102218\
Data File : VX005502.D
Acq On : 23 Oct 2018 06:20
Operator : JC/MD
Sample : J5626-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
PA-TWP-01

Quant Time: Oct 23 07:40:04 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005502.D

Acq: 23 Oct 2018 06:20

Instrument :

MSVOA_X

ClientSampleId :

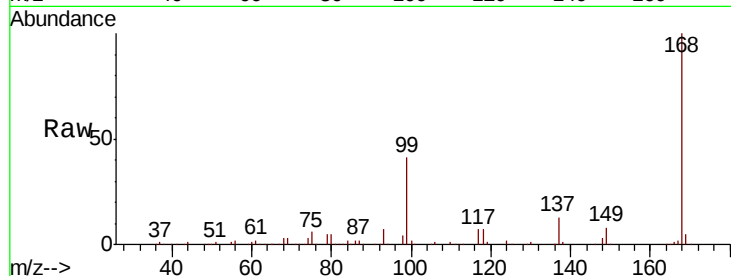
PA-TWP-01

Tot Ion:168 Resp: 225049

Ion Ratio Lower Upper

168 100

99 41.1 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

80000

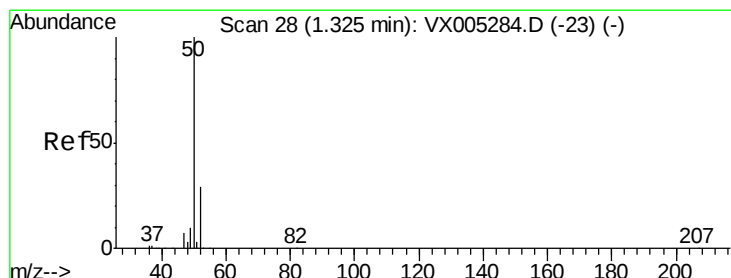
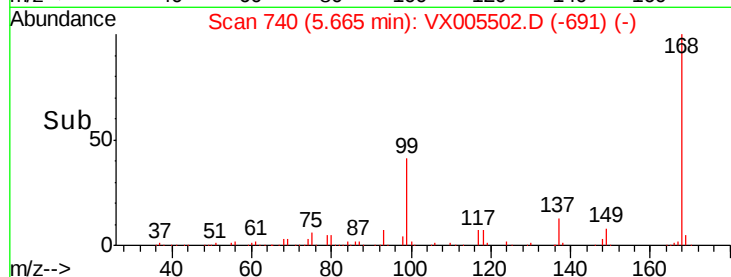
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.430 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005502.D

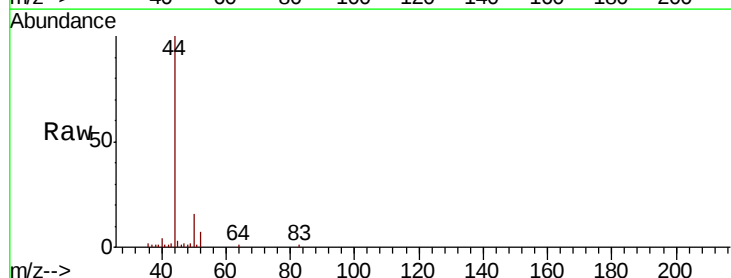
Acq: 23 Oct 2018 06:20

Tgt Ion: 50 Resp: 1097

Ion Ratio Lower Upper

50 100

52 43.1 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

1000

800

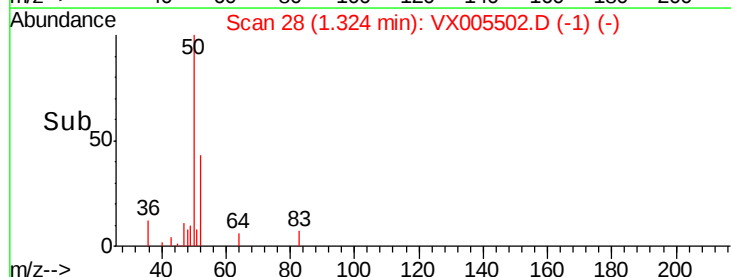
600

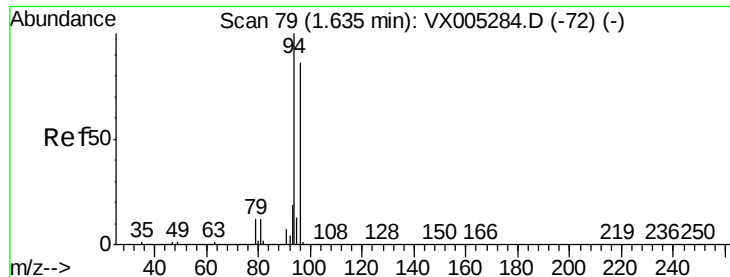
400

200

0

Time-->





#5

Bromomethane

Concen: 0.785 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX005502.D

Acq: 23 Oct 2018 06:20

Instrument :

MSVOA_X

ClientSampleId :

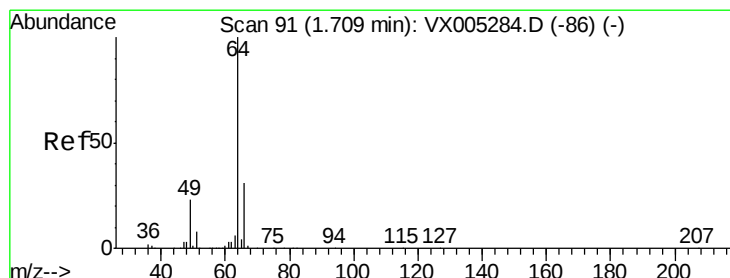
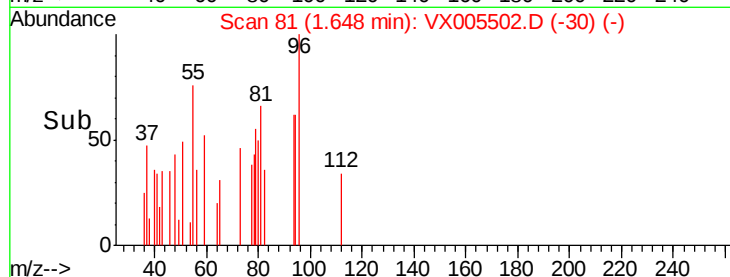
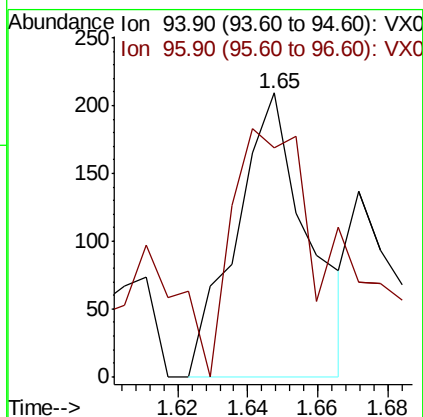
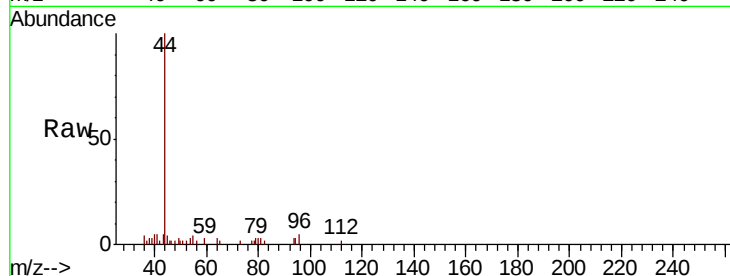
PA-TWP-01

Tot Ion: 94 Resp: 297

Ion Ratio Lower Upper

94 100

96 50.7 74.5 111.7#



#6

Chloroethane

Concen: 0.522 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.02 min

Lab File: VX005502.D

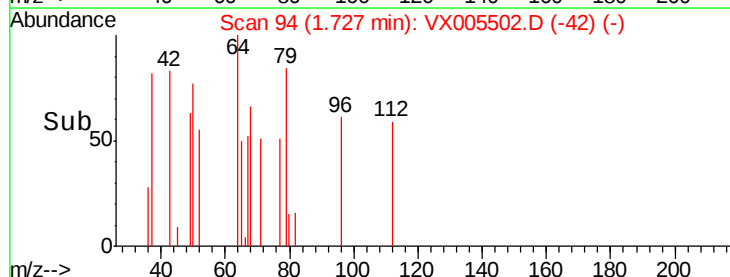
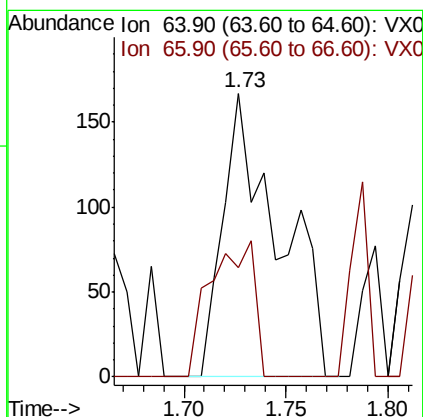
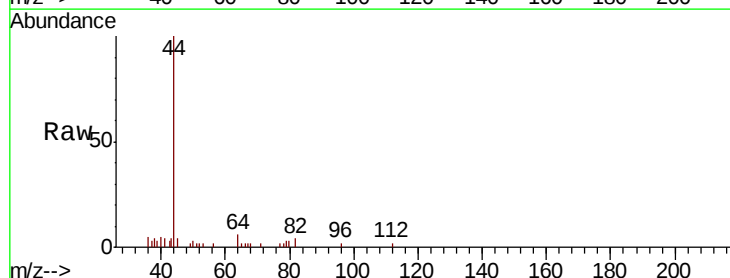
Acq: 23 Oct 2018 06:20

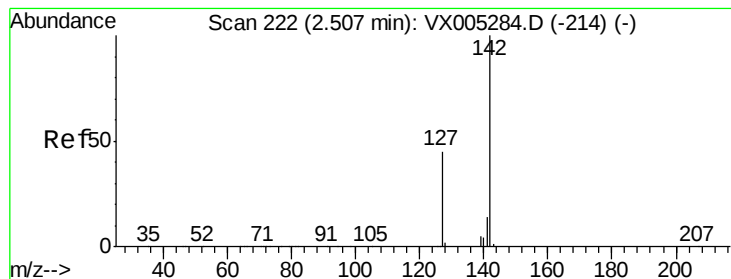
Tgt Ion: 64 Resp: 317

Ion Ratio Lower Upper

64 100

66 38.3 24.6 36.8#





#10

Methvl Iodide

Concen: 2.547 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005502.D

Acq: 23 Oct 2018 06:20

Instrument :

MSVOA_X

ClientSampleId :

PA-TWP-01

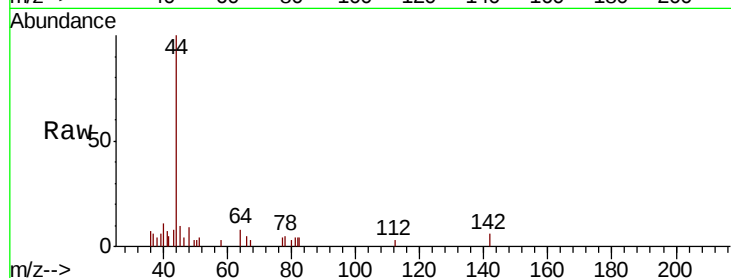
Tot Ion:142 Resp: 133

Ion Ratio Lower Upper

142 100

127 18.8 33.8 50.6#

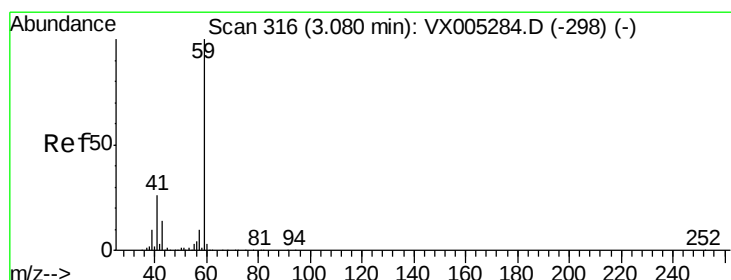
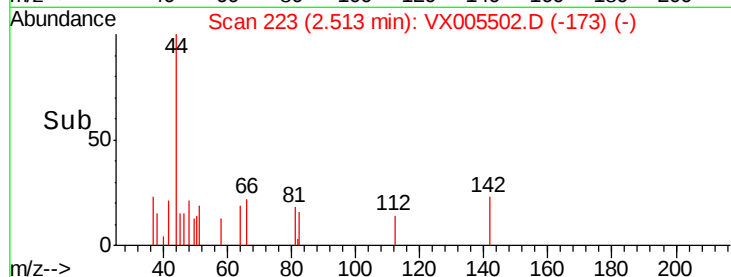
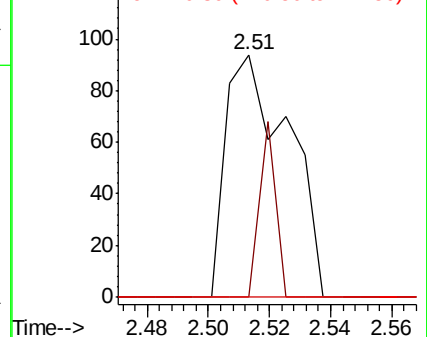
141 0.0 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 0.535 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX005502.D

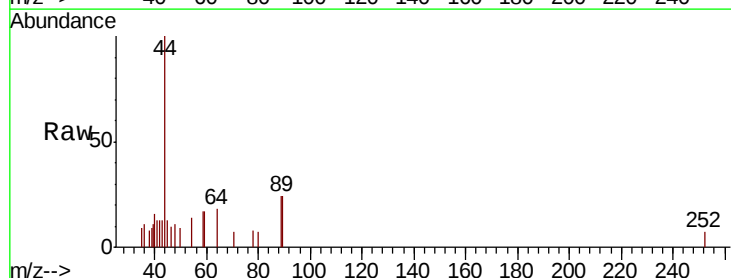
Acq: 23 Oct 2018 06:20

Tgt Ion: 59 Resp: 377

Ion Ratio Lower Upper

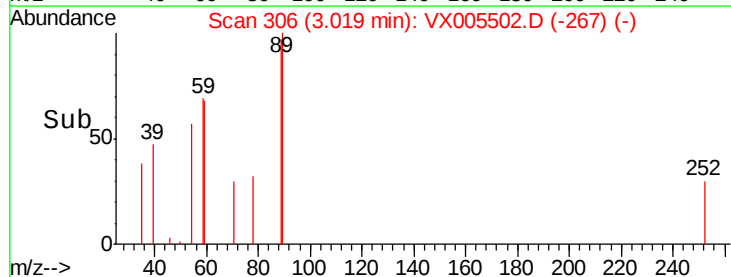
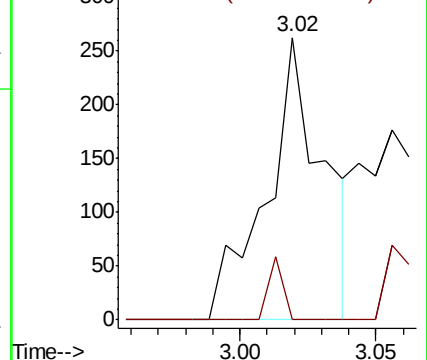
59 100

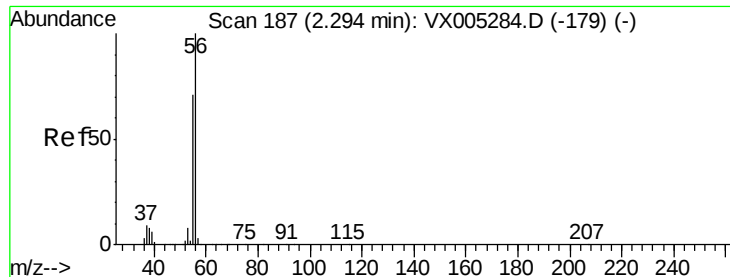
57 5.8 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

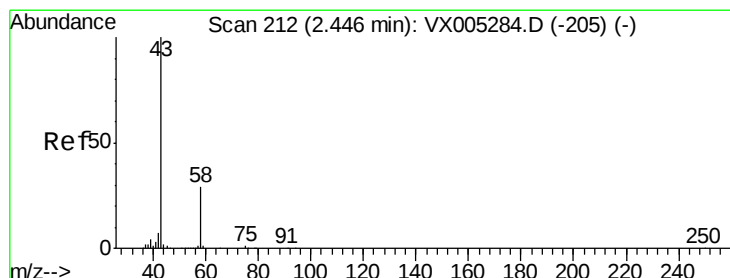
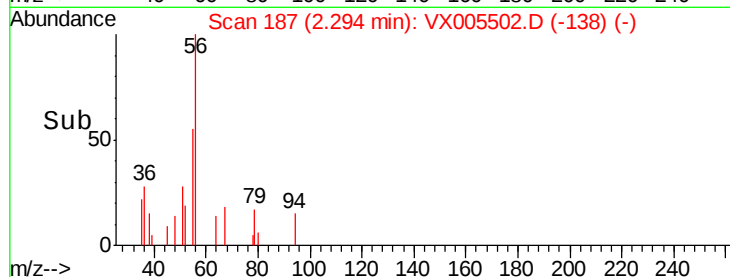
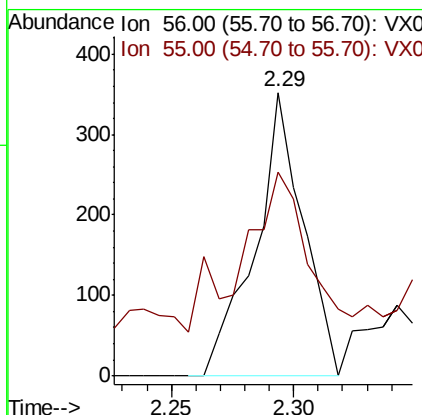
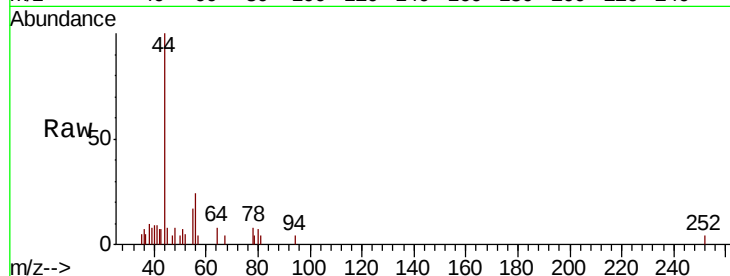




#13
Acrolein
Concen: Below Cal
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005502.D
Acq: 23 Oct 2018 06:20

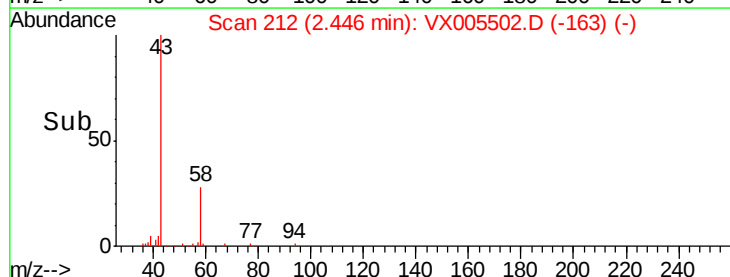
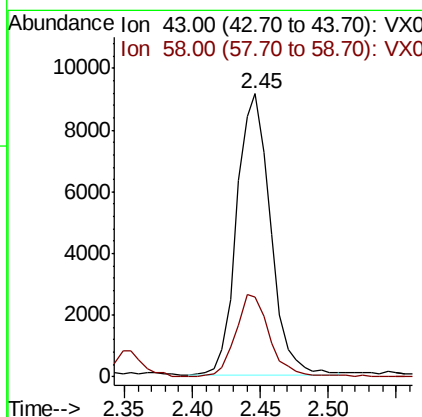
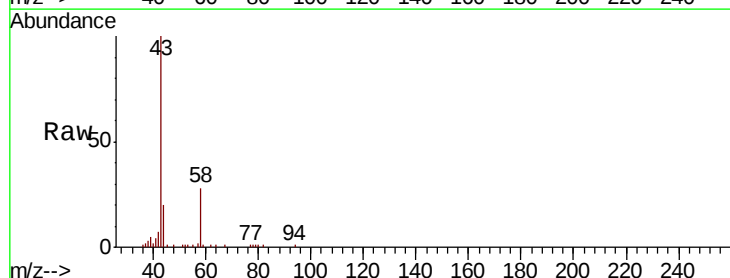
Instrument :
MSVOA_X
ClientSampleId :
PA-TWP-01

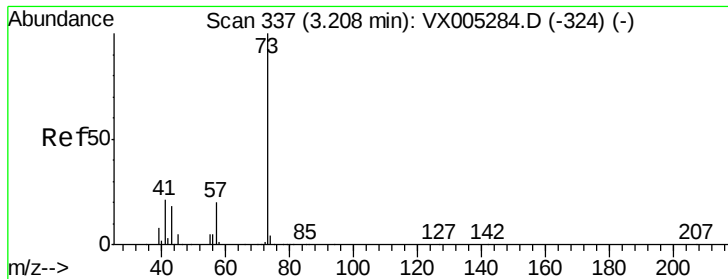
Tot Ion: 56 Resp: 481
Ion Ratio Lower Upper
56 100
55 100.4 54.7 82.1#



#16
Acetone
Concen: 10.857 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX005502.D
Acq: 23 Oct 2018 06:20

Tgt Ion: 43 Resp: 15679
Ion Ratio Lower Upper
43 100
58 28.2 26.2 39.4



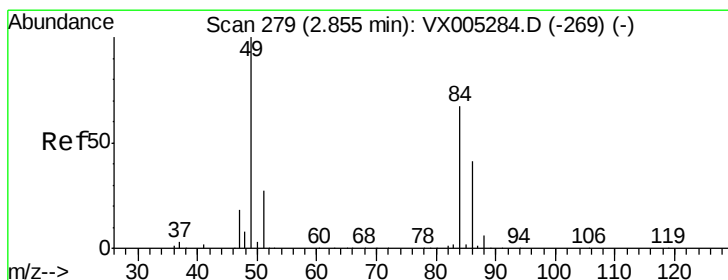
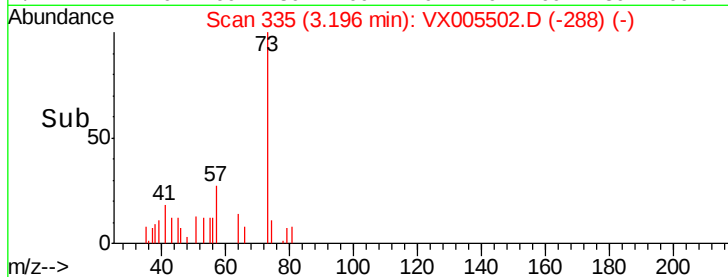
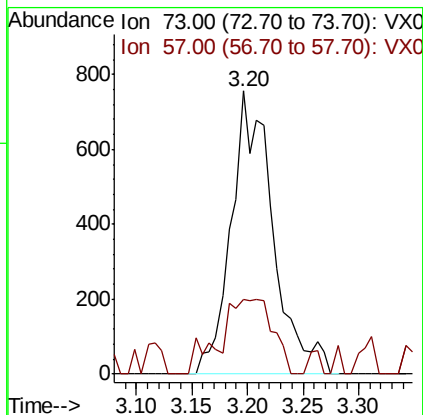
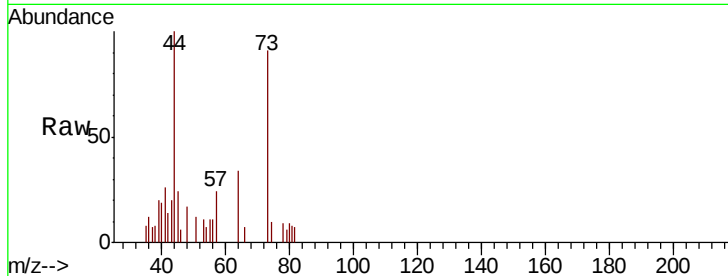


#19

Methyl tert-butyl Ether
 Concen: 0.283 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.01 min
 Lab File: VX005502.D
 Acq: 23 Oct 2018 06:20

Instrument :
 MSVOA_X
 ClientSampleID :
 PA-TWP-01

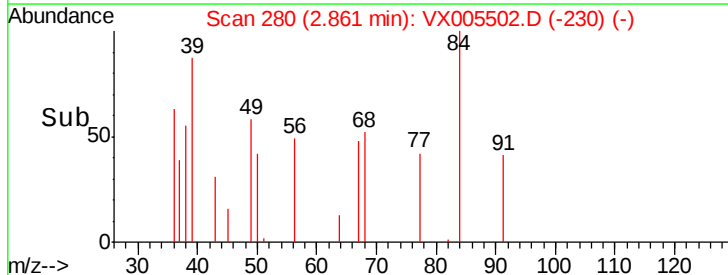
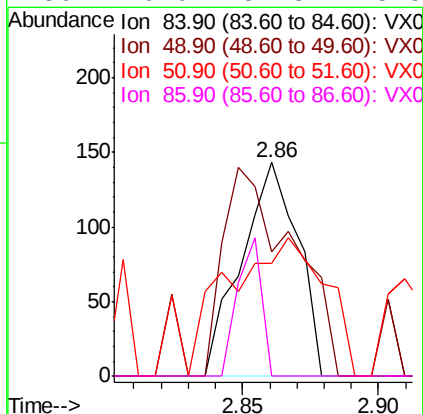
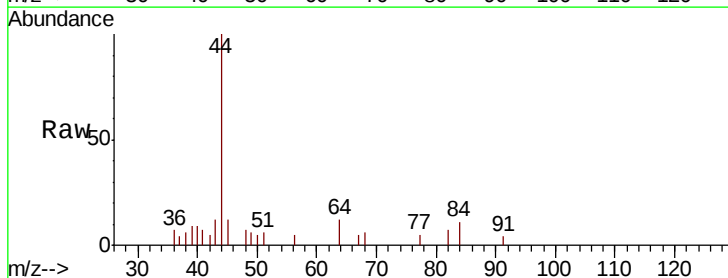
Tot Ion: 73 Resp: 1964
 Ion Ratio Lower Upper
 73 100
 57 26.6 17.1 25.7#

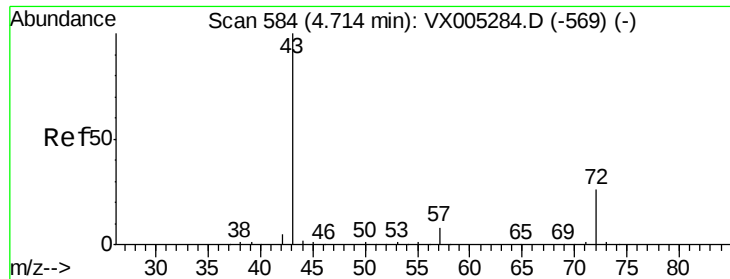


#20

Methylene Chloride
 Concen: Below Cal
 RT: 2.86 min Scan# 280
 Delta R.T. 0.01 min
 Lab File: VX005502.D
 Acq: 23 Oct 2018 06:20

Tgt Ion: 84 Resp: 205
 Ion Ratio Lower Upper
 84 100
 49 58.0 101.2 151.8#
 51 53.1 29.5 44.3#
 86 0.0 52.3 78.5#





#25

2-Butanone

Concen: 1.682 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.01 min

Lab File: VX005502.D

Acq: 23 Oct 2018 06:20

Instrument :

MSVOA_X

ClientSampled :

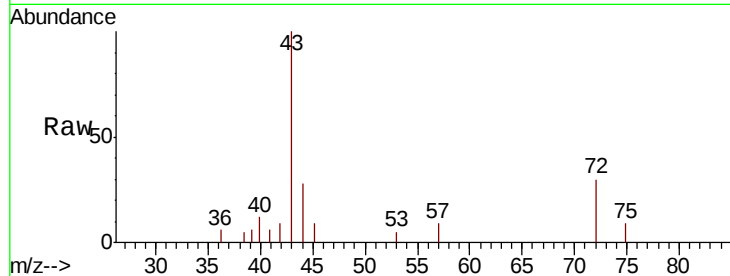
PA-TWP-01

Tot Ion: 43 Resp: 3553

Ion Ratio Lower Upper

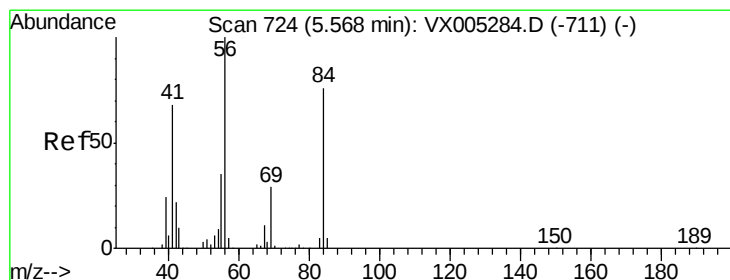
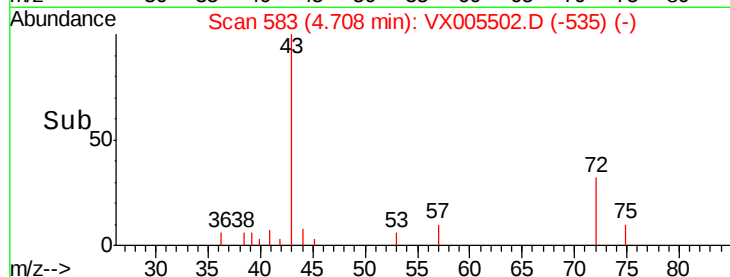
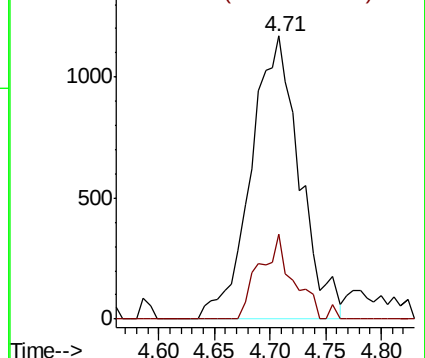
43 100

72 30.0 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 1.256 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX005502.D

Acq: 23 Oct 2018 06:20

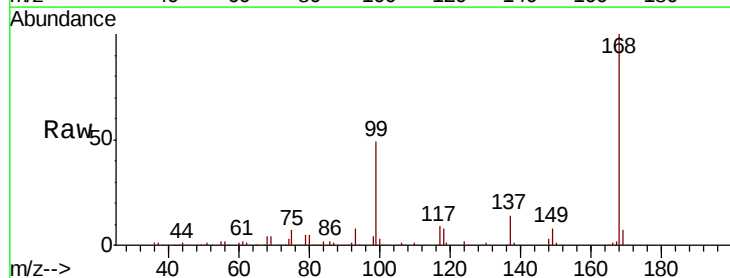
Tgt Ion: 56 Resp: 4313

Ion Ratio Lower Upper

56 100

69 179.1 25.4 38.2#

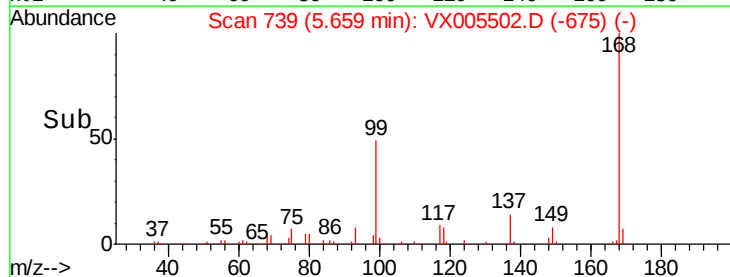
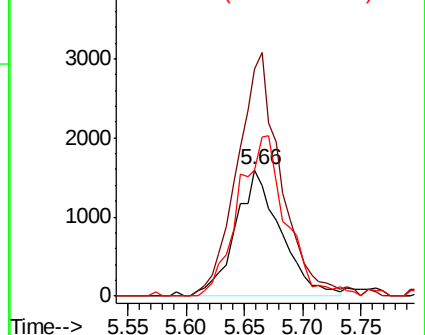
84 99.4 71.4 107.2

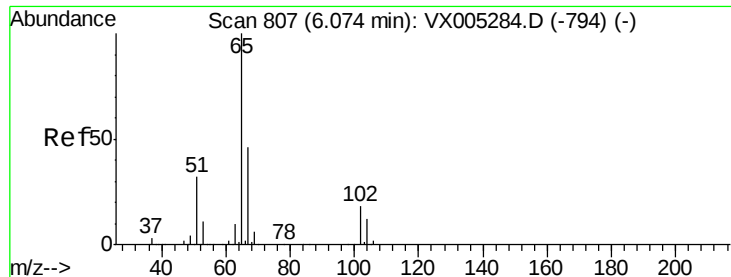


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 56.092 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005502.D

Acq: 23 Oct 2018 06:20

Instrument :

MSVOA_X

ClientSampleId :

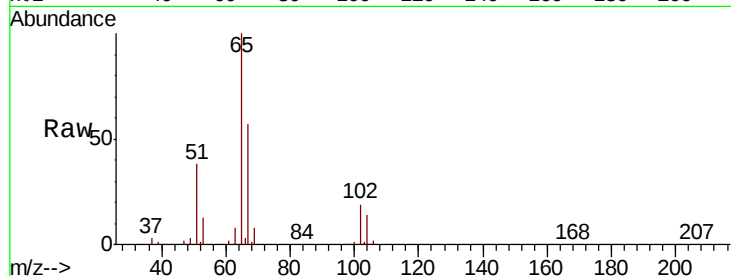
PA-TWP-01

Tot Ion: 65 Resp: 140101

Ion Ratio Lower Upper

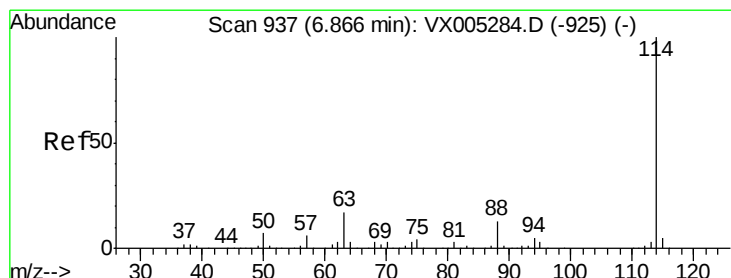
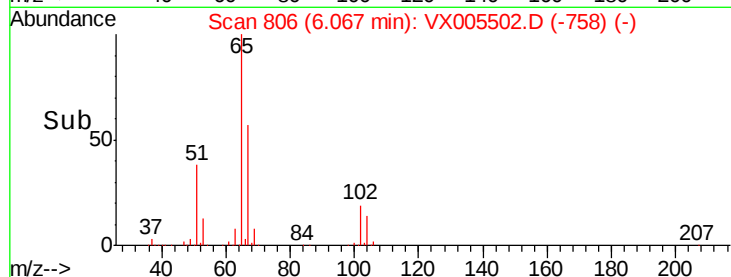
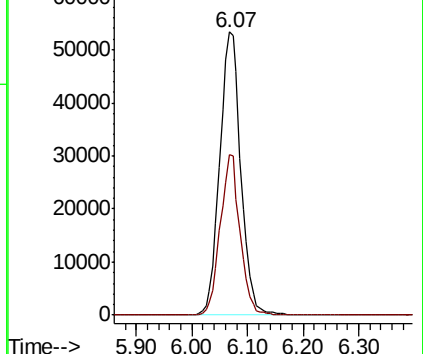
65 100

67 52.9 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: 50.000 ug/l

RT: 6.87 min Scan# 937

Delta R.T. -0.00 min

Lab File: VX005502.D

Acq: 23 Oct 2018 06:20

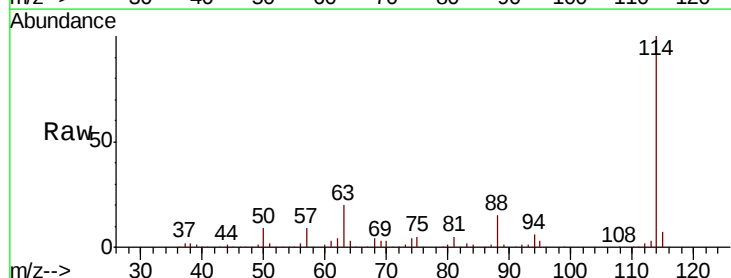
Tgt Ion: 114 Resp: 324650

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.0

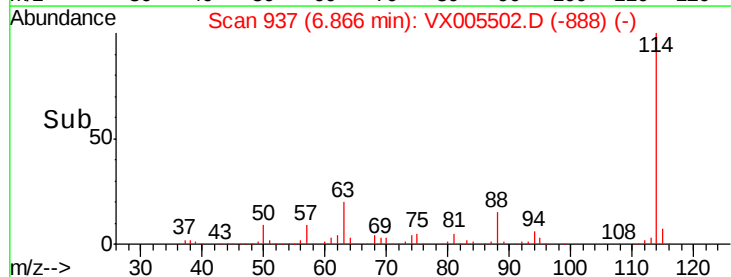
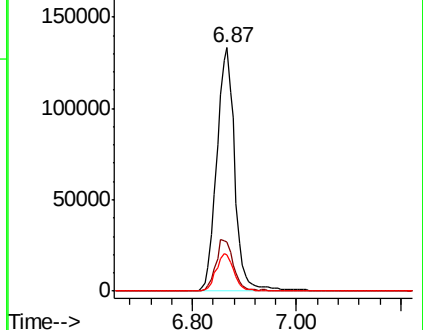
88 14.8 0.0 30.4

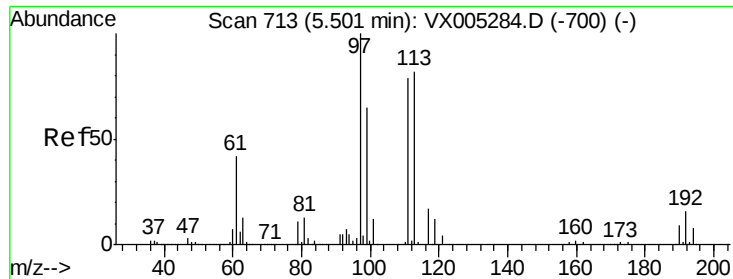


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

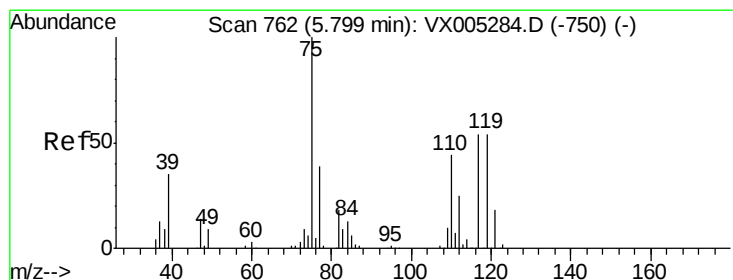
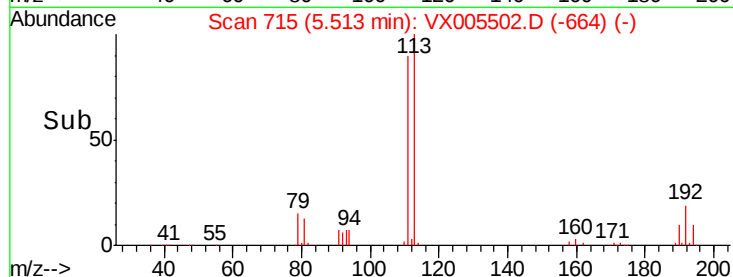
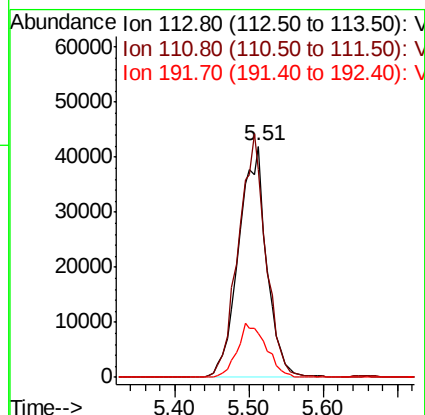
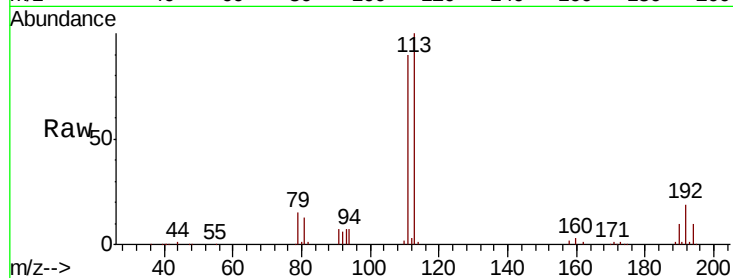




#35
 Dibromofluoromethane
 Concen: 51.582 ug/l
 RT: 5.51 min Scan# 715
 Delta R.T. 0.01 min
 Lab File: VX005502.D
 Acq: 23 Oct 2018 06:20

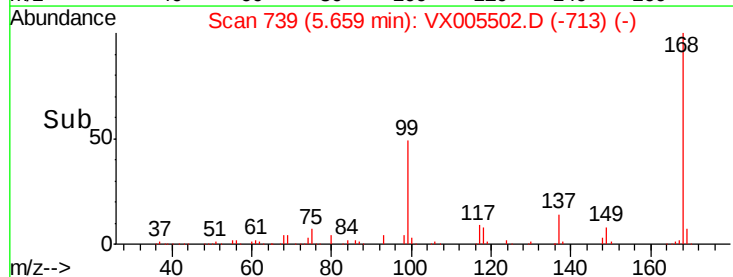
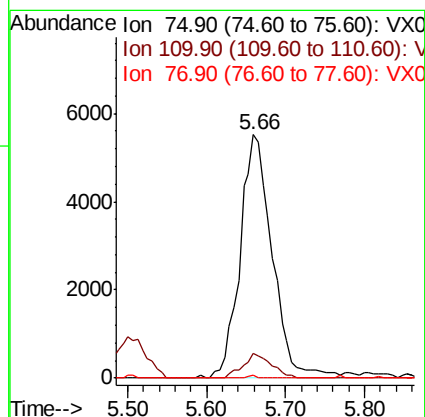
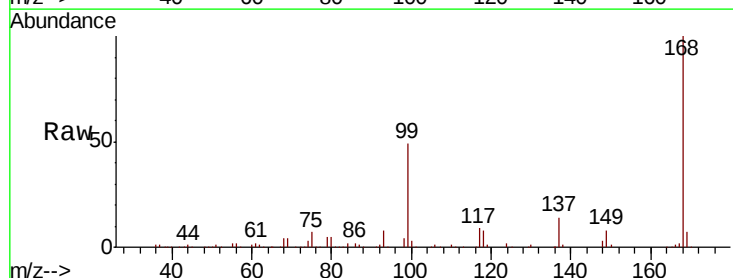
Instrument :
 MSVOA_X
 ClientSampleId :
 PA-TWP-01

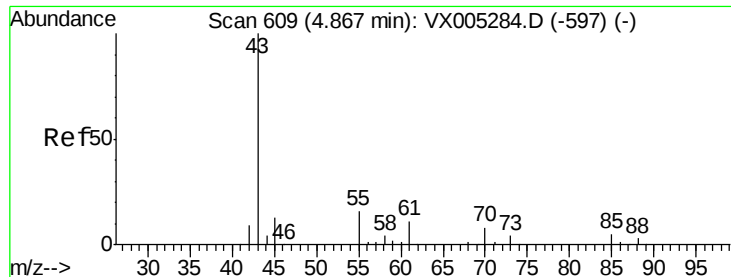
Tot Ion:113 Resp: 110913
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.4 123.6
 192 24.0 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 4.974 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX005502.D
 Acq: 23 Oct 2018 06:20

Tgt Ion: 75 Resp: 15638
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.0 54.0#
 77 0.2 24.6 36.8#

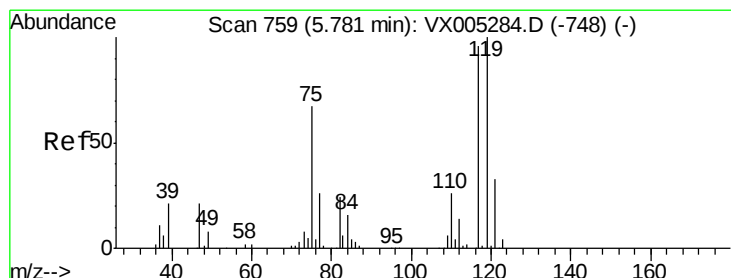
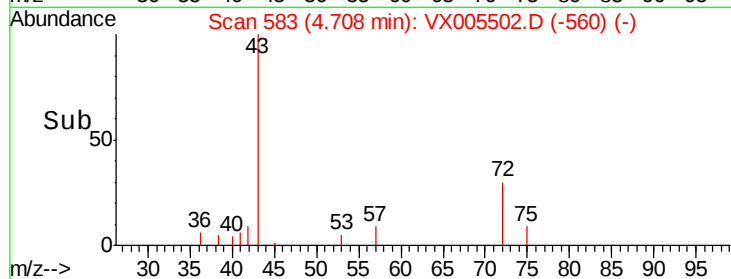
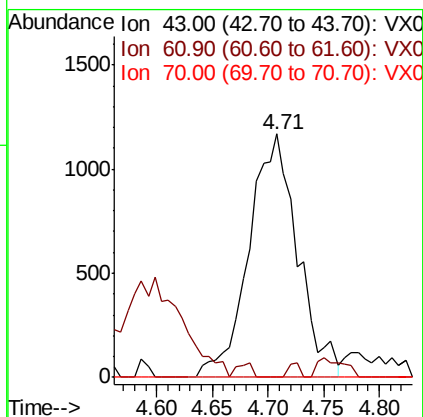
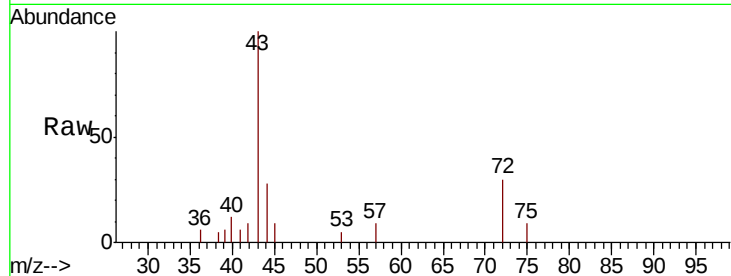




#37
Ethyl Acetate
Concen: 0.879 ug/l
RT: 4.71 min Scan# 583
Delta R.T. -0.16 min
Lab File: VX005502.D
Acq: 23 Oct 2018 06:20

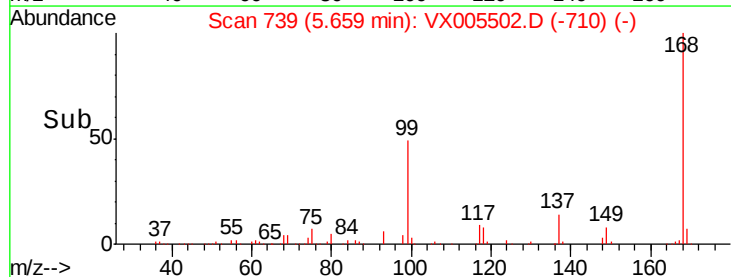
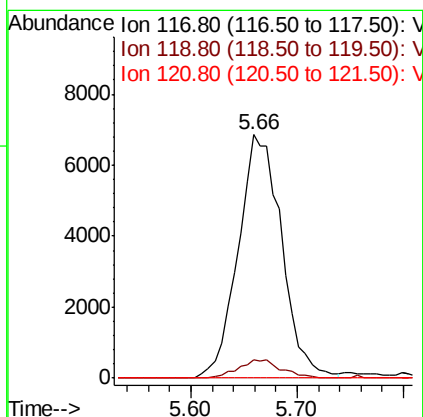
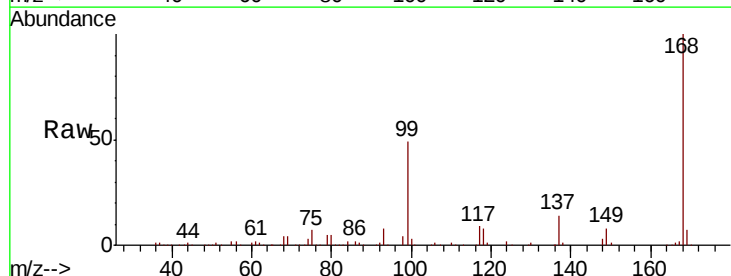
Instrument :
MSVOA_X
ClientSampled :
PA-TWP-01

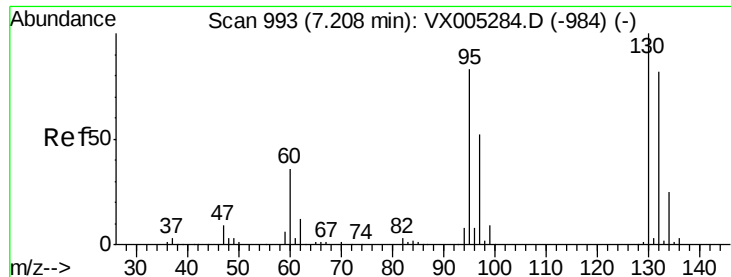
Tot Ion: 43 Resp: 3553
Ion Ratio Lower Upper
43 100
61 1.4 11.5 17.3#
70 0.0 9.0 13.6#



#38
Carbon Tetrachloride
Concen: 6.219 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX005502.D
Acq: 23 Oct 2018 06:20

Tgt Ion: 117 Resp: 19648
Ion Ratio Lower Upper
117 100
119 7.6 78.8 118.2#
121 0.0 24.9 37.3#





#44

Trichloroethene

Concen: Below Cal

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX005502.D

Acq: 23 Oct 2018 06:20

Instrument :

MSVOA_X

ClientSampleId :

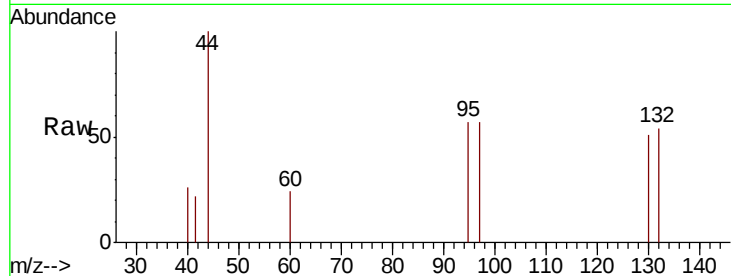
PA-TWP-01

Tot Ion:130 Resp: 234

Ion Ratio Lower Upper

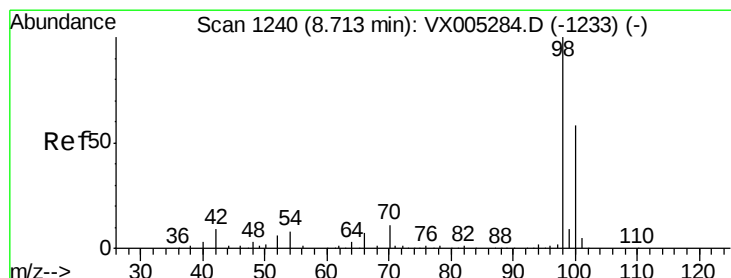
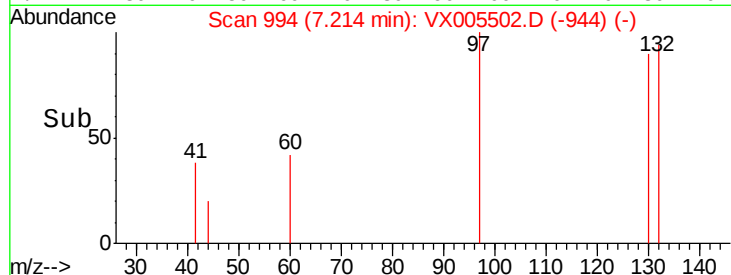
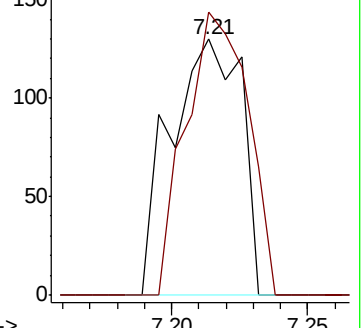
130 100

95 110.8 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 51.609 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VX005502.D

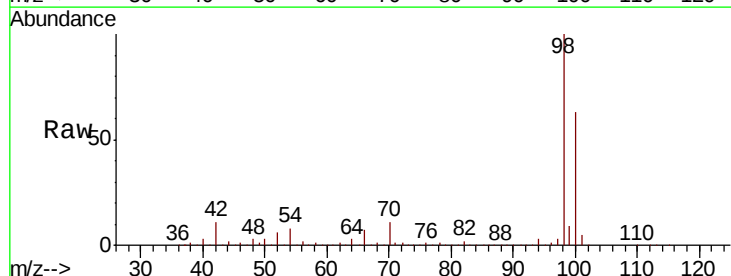
Acq: 23 Oct 2018 06:20

Tgt Ion: 98 Resp: 380972

Ion Ratio Lower Upper

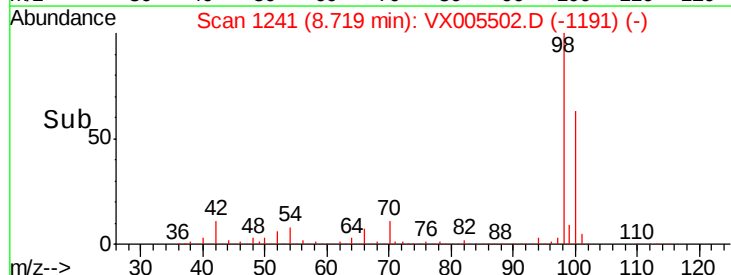
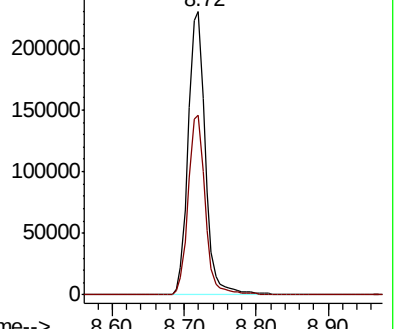
98 100

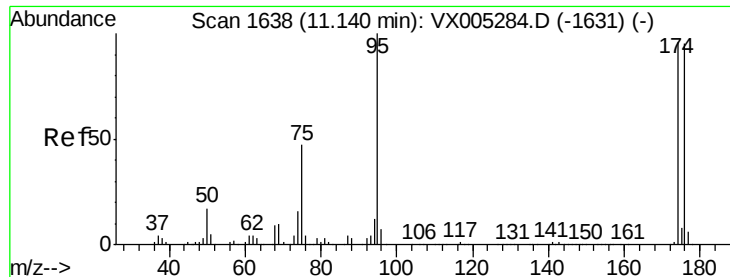
100 62.8 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

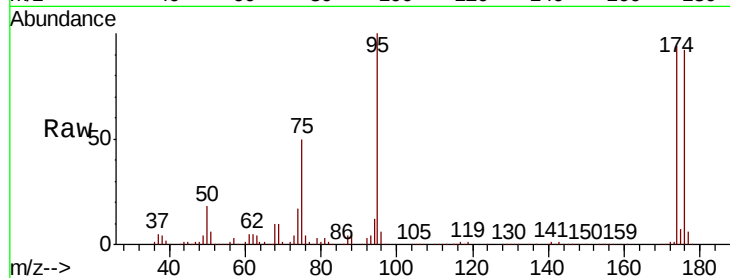




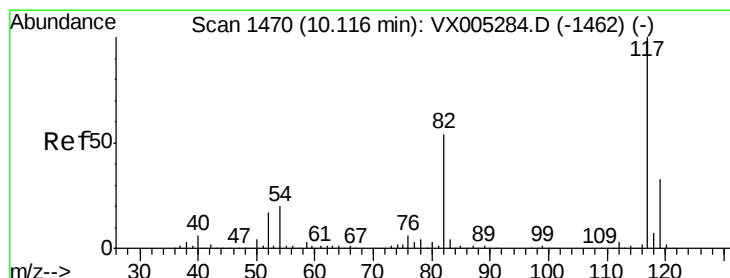
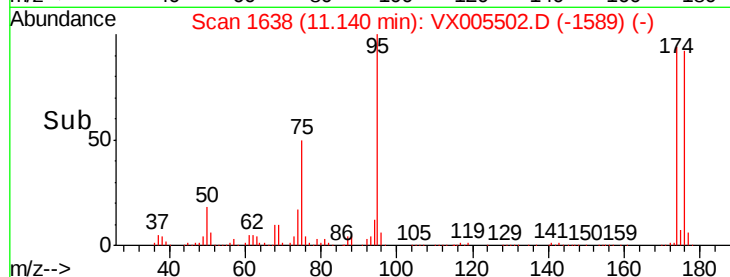
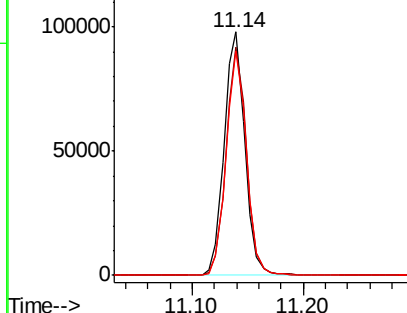
#62
4-Bromofluorobenzene
Concen: 45.441 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005502.D
Acq: 23 Oct 2018 06:20

Instrument :
MSVOA_X
ClientSampled :
PA-TWP-01

Tot Ion: 95 Resp: 126014
Ion Ratio Lower Upper
95 100
174 92.4 0.0 185.2
176 90.5 0.0 178.6

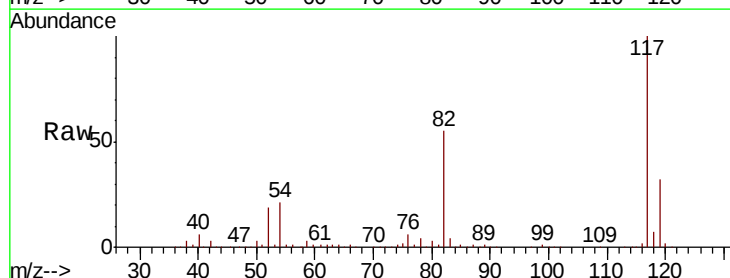


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

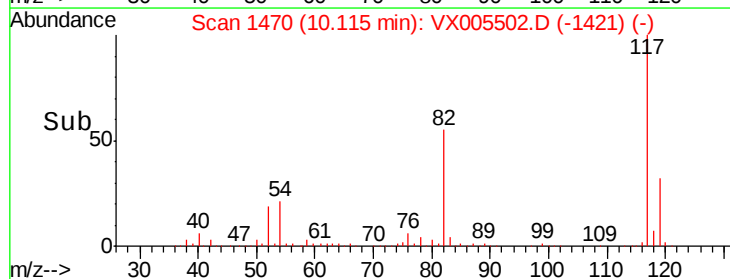
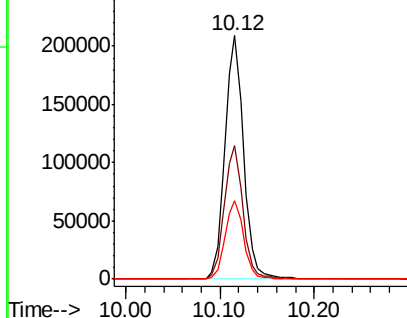


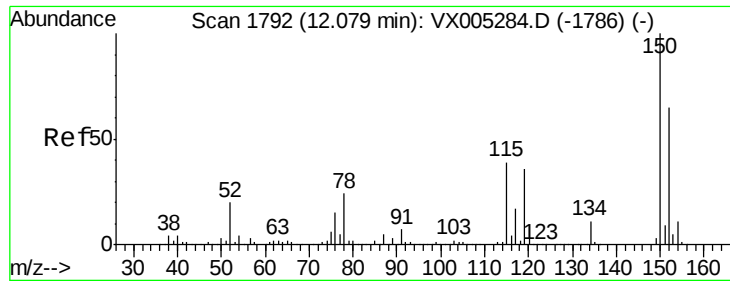
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005502.D
Acq: 23 Oct 2018 06:20

Tgt Ion: 117 Resp: 287813
Ion Ratio Lower Upper
117 100
82 54.6 47.8 71.6
119 32.0 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: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005502.D

Acq: 23 Oct 2018 06:20

Instrument :

MSVOA_X

ClientSampleId :

PA-TWP-01

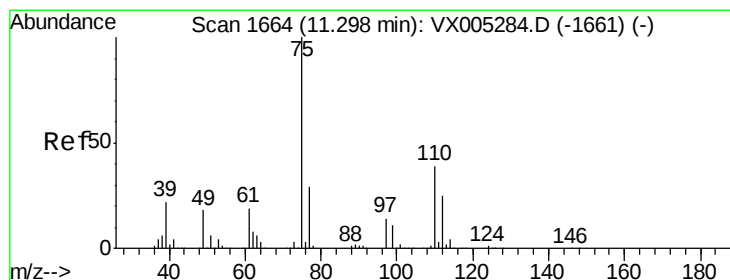
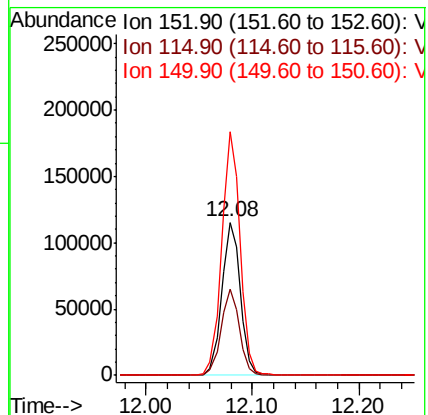
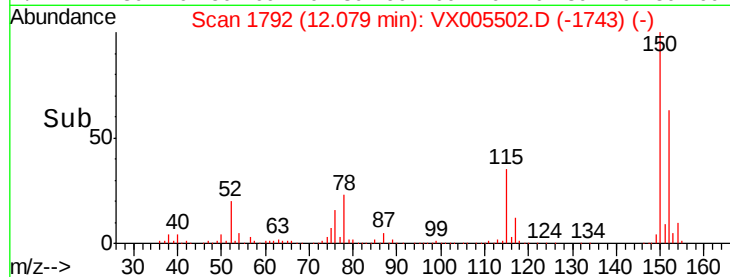
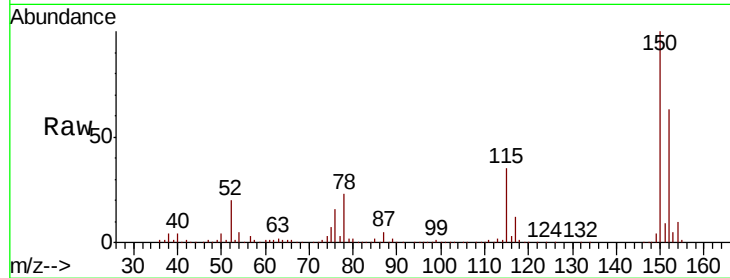
Tot Ion:152 Resp: 139868

Ion Ratio Lower Upper

152 100

115 55.3 39.0 117.0

150 156.9 0.0 351.0



#76

1,2,3-Trichloropropane

Concen: 23.921 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005502.D

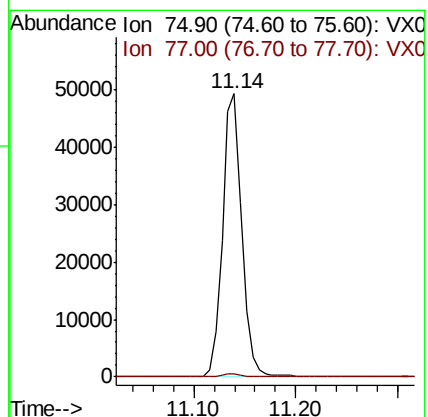
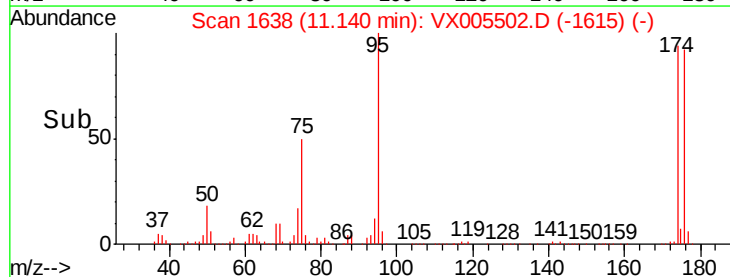
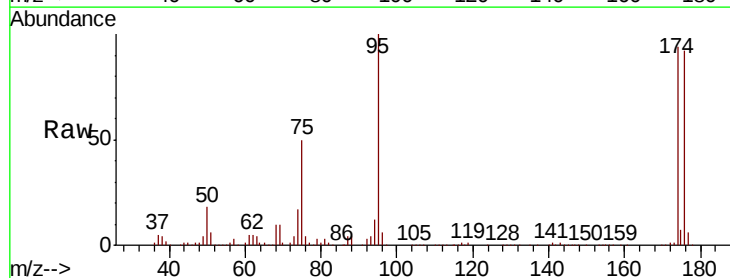
Acq: 23 Oct 2018 06:20

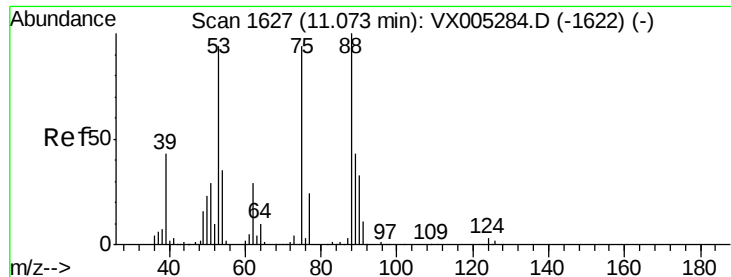
Tgt Ion: 75 Resp: 64899

Ion Ratio Lower Upper

75 100

77 1.3 20.2 60.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 72.684 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005502.D

Acq: 23 Oct 2018 06:20

Instrument :

MSVOA_X

ClientSampleId :

PA-TWP-01

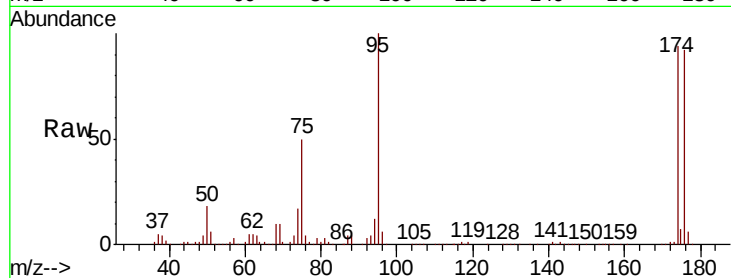
Tot Ion: 75 Resp: 64899

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

