

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102218\
 Data File : VX005500.D
 Acq On : 23 Oct 2018 05:26
 Operator : JC/MD
 Sample : J5621-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PA-SW-01

Quant Time: Oct 23 07:39:40 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	5.66	168	226736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	320534	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	286214	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	134613	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	140158	55.70	ug/l	0.00
Spiked Amount			Recovery	=	111.40%	
35) Dibromofluoromethane	5.51	113	109740	51.69	ug/l	0.00
Spiked Amount			Recovery	=	103.38%	
50) Toluene-d8	8.72	98	383477	52.62	ug/l	0.00
Spiked Amount			Recovery	=	105.24%	
62) 4-Bromofluorobenzene	11.14	95	125340	45.78	ug/l	0.00
Spiked Amount			Recovery	=	91.56%	

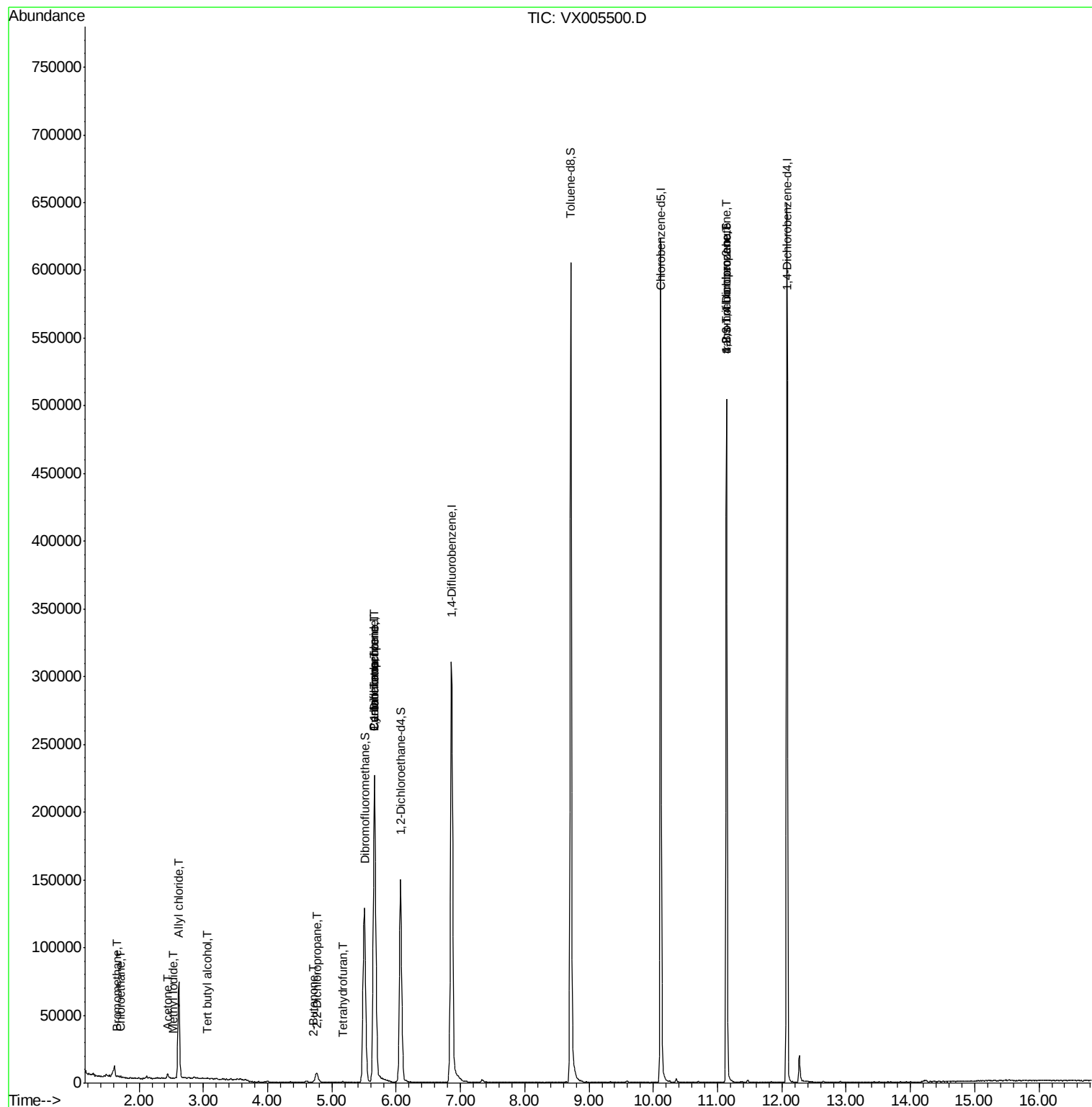
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	214	0.728	ug/l #	64
6) Chloroethane	1.71	64	42	0.359	ug/l #	44
10) Methyl Iodide	2.53	142	177	2.565	ug/l #	73
11) Tert butyl alcohol	3.07	59	605	0.852	ug/l #	90
13) Acrolein	2.29	56	189	Below Cal	#	38
14) Allyl chloride	2.61	41	7595	1.742	ug/l #	70
16) Acetone	2.45	43	3437	2.362	ug/l #	87
20) Methylene Chloride	2.87	84	312	Below Cal	#	65
25) 2-Butanone	4.71	43	543	0.255	ug/l #	47
26) 2,2-Dichloropropane	4.76	77	646	0.206	ug/l #	52
29) Tetrahydrofuran	5.17	42	304	0.224	ug/l #	31
31) Cyclohexane	5.65	56	4089	1.182	ug/l #	21
36) 1,1-Dichloropropene	5.66	75	15406	4.963	ug/l #	49
38) Carbon Tetrachloride	5.66	117	19577	6.276	ug/l #	15
44) Trichloroethene	7.22	130	19	Below Cal		4
76) 1,2,3-Trichloropropane	11.14	75	63964	24.497	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	63964	74.433	ug/l #	10

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102218\
Data File : VX005500.D
Acq On : 23 Oct 2018 05:26
Operator : JC/MD
Sample : J5621-09
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PA-SW-01

Quant Time: Oct 23 07:39:40 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: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005500.D

Acq: 23 Oct 2018 05:26

Instrument :

MSVOA_X

ClientSampleId :

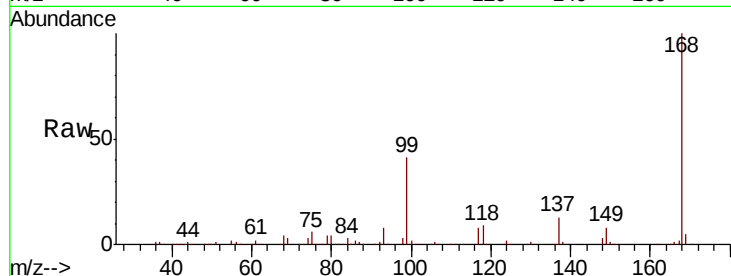
PA-SW-01

Tot Ion:168 Resp: 226736

Ion Ratio Lower Upper

168 100

99 41.2 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

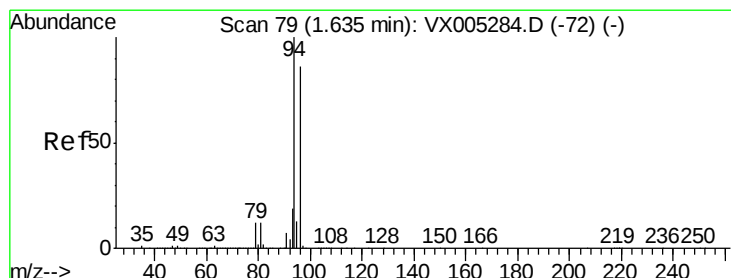
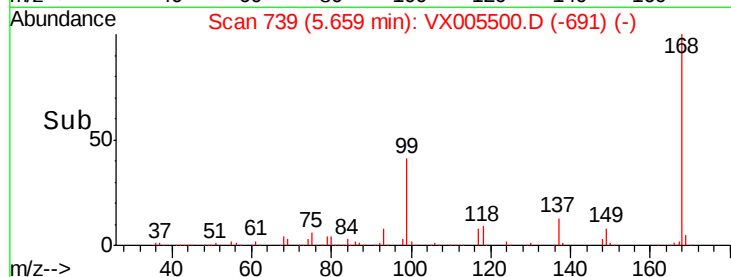
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.728 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX005500.D

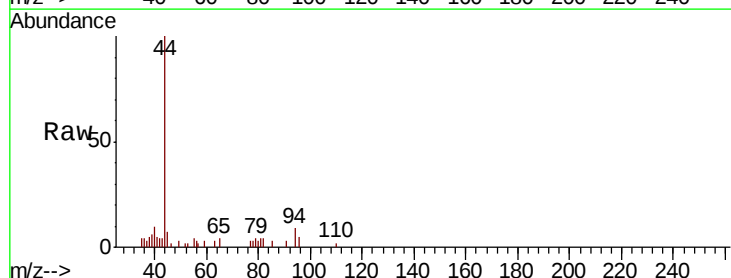
Acq: 23 Oct 2018 05:26

Tgt Ion: 94 Resp: 214

Ion Ratio Lower Upper

94 100

96 58.8 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

200

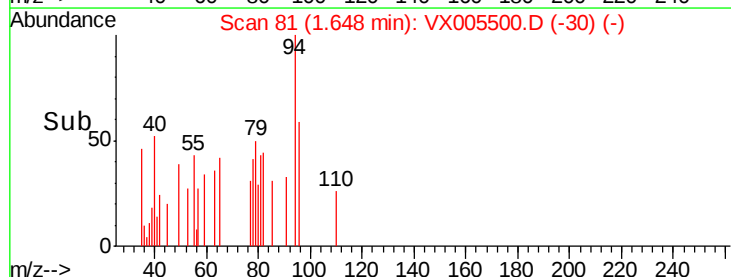
150

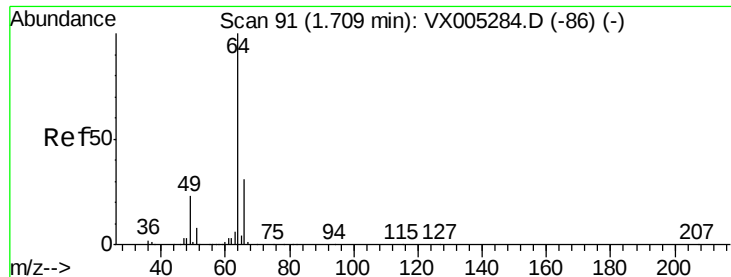
100

50

0

Time--> 1.62 1.64 1.66





#6

Chloroethane

Concen: 0.359 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005500.D

Acq: 23 Oct 2018 05:26

Instrument :

MSVOA_X

ClientSampled :

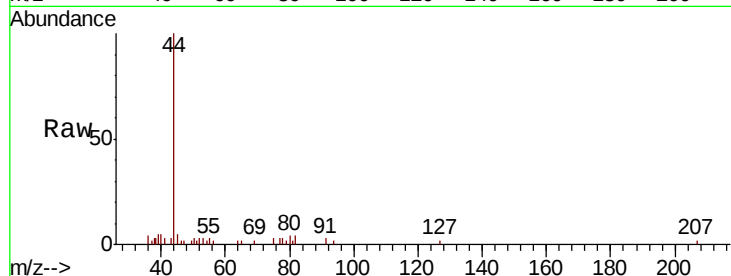
PA-SW-01

Tot Ion: 64 Resp: 42

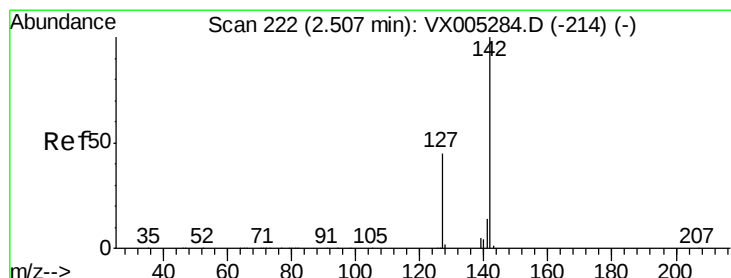
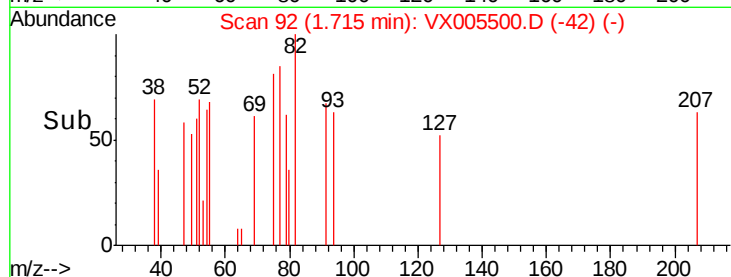
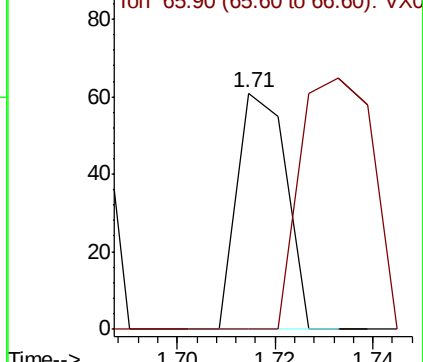
Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX005500.D (-42) (-)



#10

Methyl Iodide

Concen: 2.565 ug/l

RT: 2.53 min Scan# 225

Delta R.T. 0.02 min

Lab File: VX005500.D

Acq: 23 Oct 2018 05:26

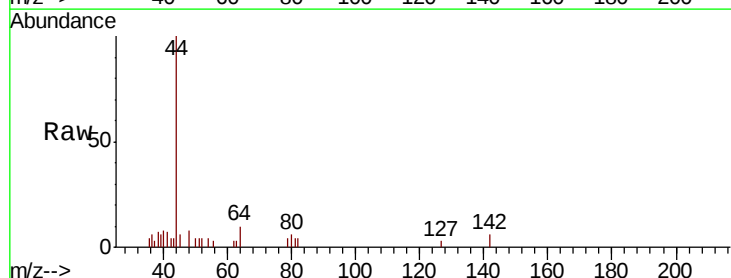
Tgt Ion: 142 Resp: 177

Ion Ratio Lower Upper

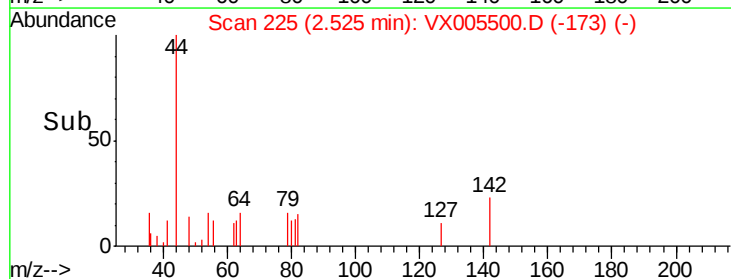
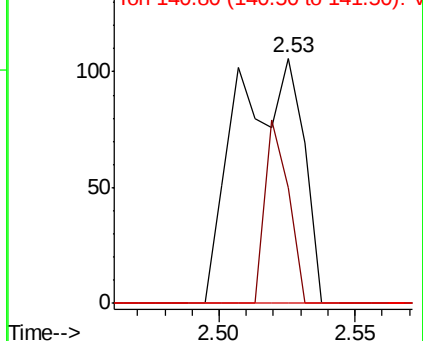
142 100

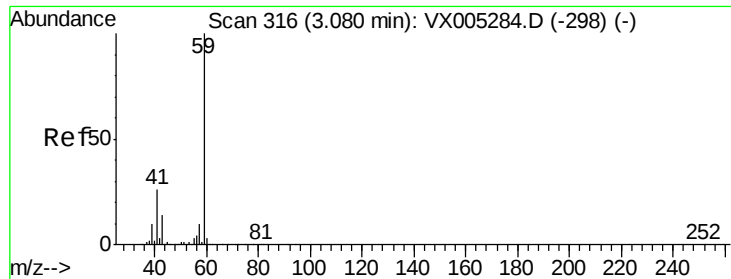
127 26.6 33.8 50.6#

141 0.0 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): VX005500.D (-173) (-)

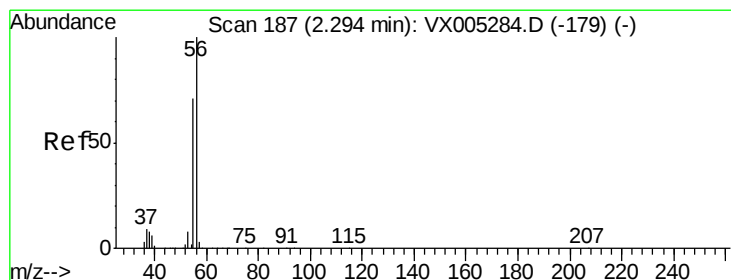
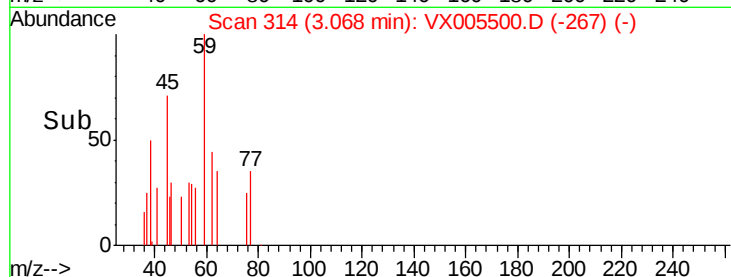
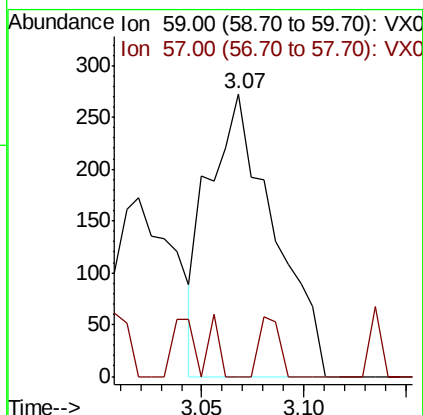
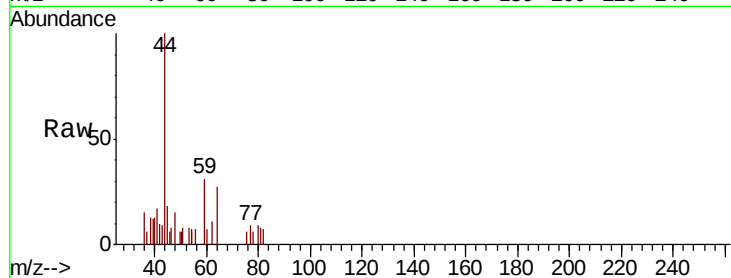




#11
Tert butvl alcohol
Concen: 0.852 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005500.D
Acq: 23 Oct 2018 05:26

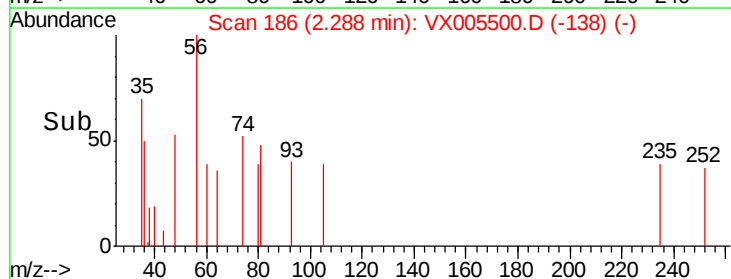
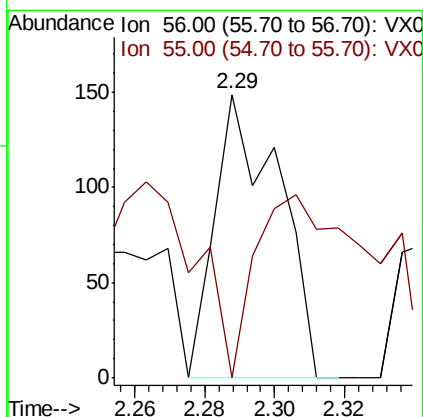
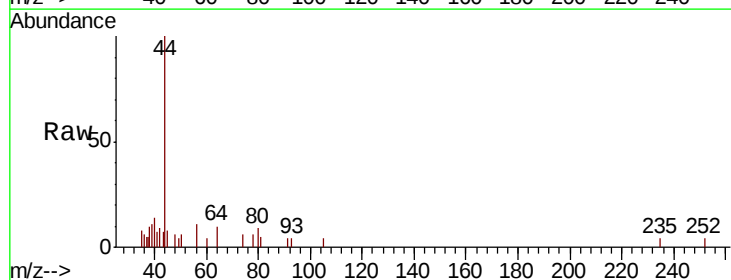
Instrument :
MSVOA_X
ClientSampled :
PA-SW-01

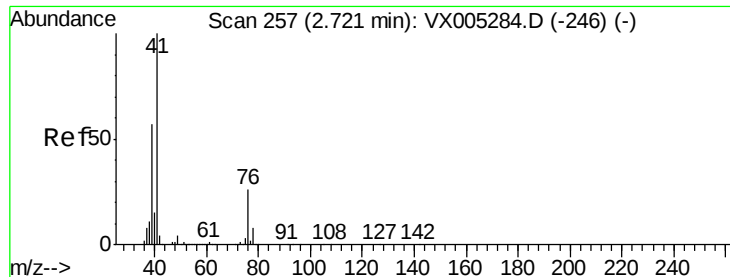
Tot Ion: 59 Resp: 605
Ion Ratio Lower Upper
59 100
57 6.6 8.2 12.4#



#13
Acrolein
Concen: Below Cal
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX005500.D
Acq: 23 Oct 2018 05:26

Tgt Ion: 56 Resp: 189
Ion Ratio Lower Upper
56 100
55 118.5 54.7 82.1#





#14

Allvl chloride

Concen: 1.742 ug/l

RT: 2.61 min Scan# 239

Delta R.T. -0.11 min

Lab File: VX005500.D

Acq: 23 Oct 2018 05:26

Instrument :

MSVOA_X

ClientSampleId :

PA-SW-01

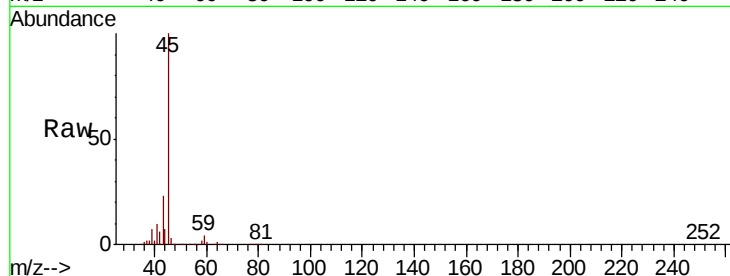
Tot Ion: 41 Resp: 7595

Ion Ratio Lower Upper

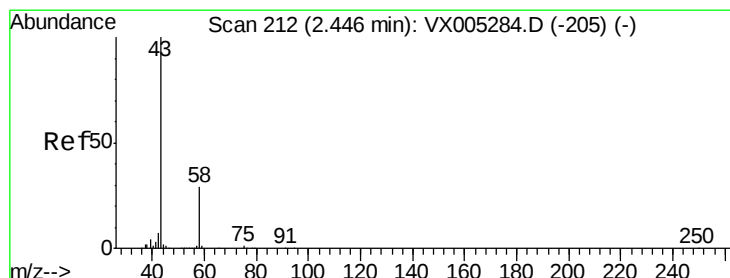
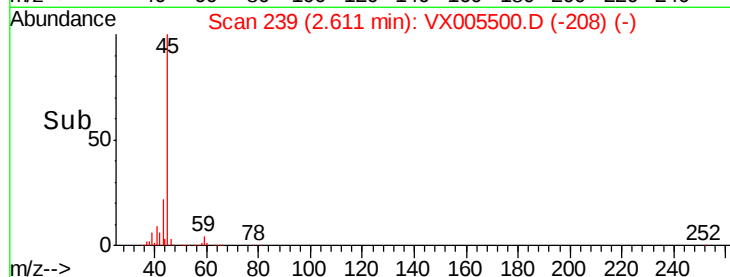
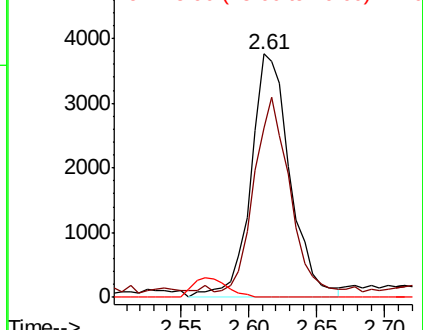
41 100

39 72.4 48.9 73.3

76 0.0 26.7 40.1#



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 75.90 (75.60 to 76.60): VX0



#16

Acetone

Concen: 2.362 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005500.D

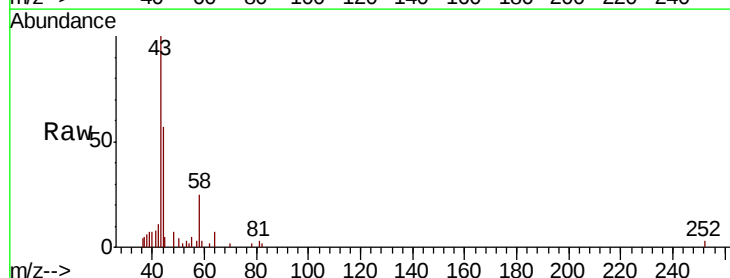
Acq: 23 Oct 2018 05:26

Tgt Ion: 43 Resp: 3437

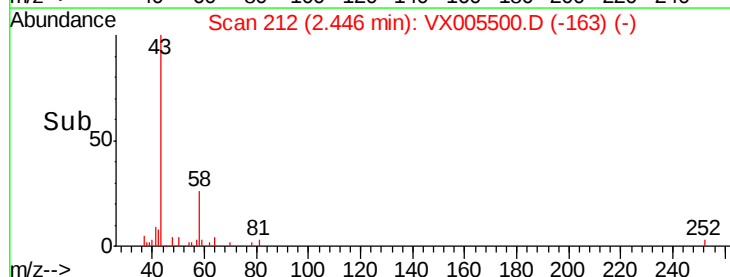
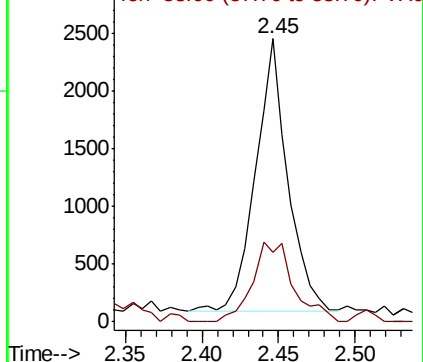
Ion Ratio Lower Upper

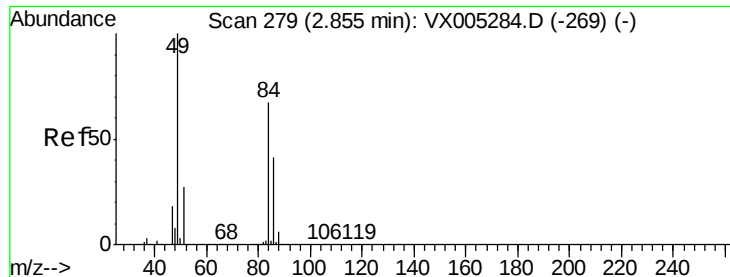
43 100

58 25.6 26.2 39.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#20

Methvlene Chloride

Concen: Below Cal

RT: 2.87 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX005500.D

Acq: 23 Oct 2018 05:26

Instrument :

MSVOA_X

ClientSampleId :

PA-SW-01

Tot Ion: 84 Resp: 312

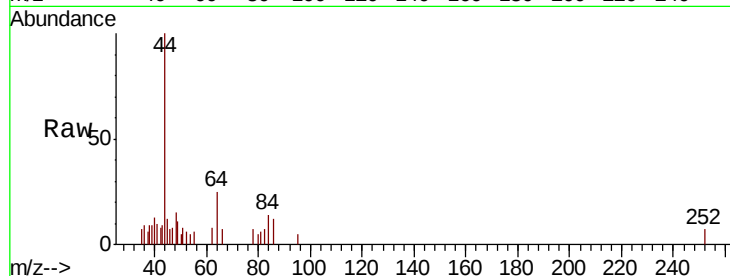
Ion Ratio Lower Upper

84 100

49 80.0 101.2 151.8#

51 58.7 29.5 44.3#

86 84.4 52.3 78.5#

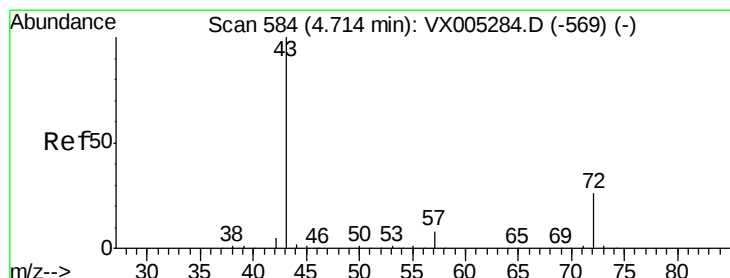
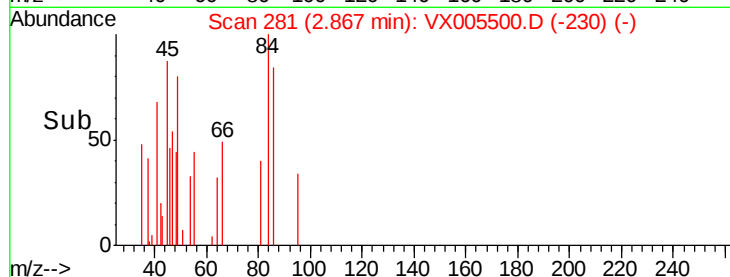
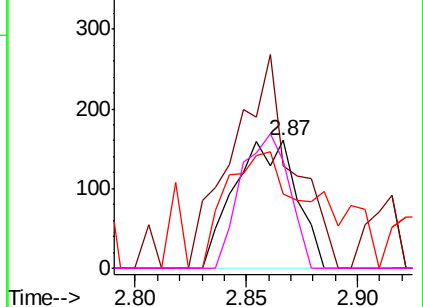


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#25

2-Butanone

Concen: 0.255 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.01 min

Lab File: VX005500.D

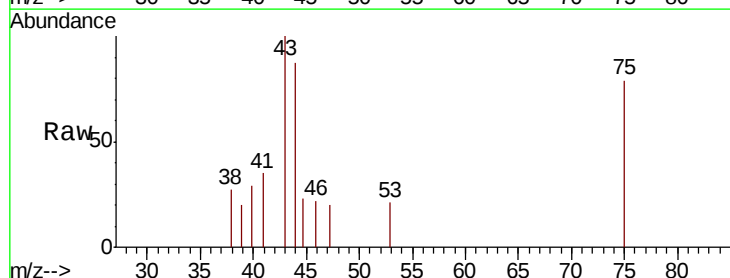
Acq: 23 Oct 2018 05:26

Tgt Ion: 43 Resp: 543

Ion Ratio Lower Upper

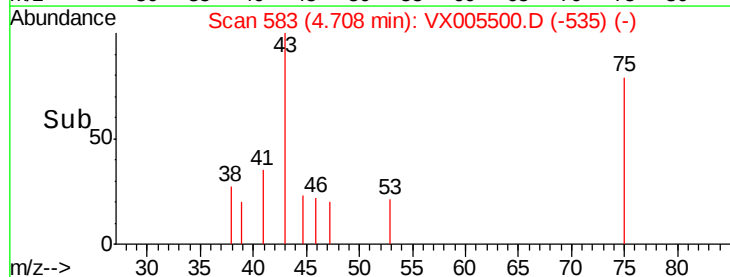
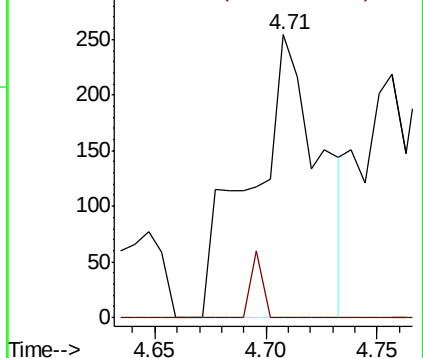
43 100

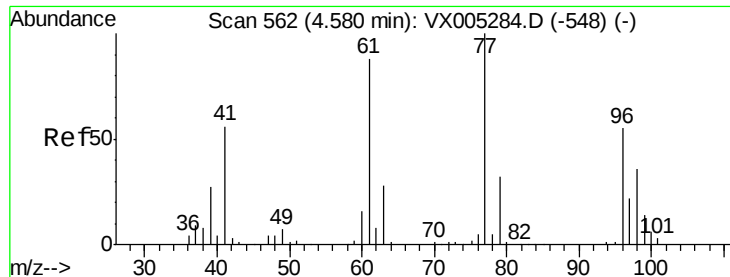
72 0.0 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#26

2,2-Dichloropropane

Concen: 0.206 ug/l

RT: 4.76 min Scan# 592

Delta R.T. 0.18 min

Lab File: VX005500.D

Acq: 23 Oct 2018 05:26

Instrument :

MSVOA_X

ClientSampleId :

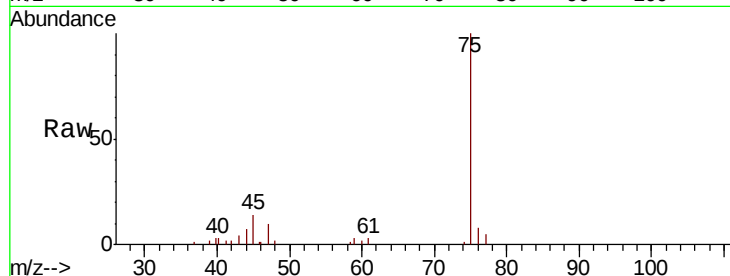
PA-SW-01

Tot Ion: 77 Resp: 646

Ion Ratio Lower Upper

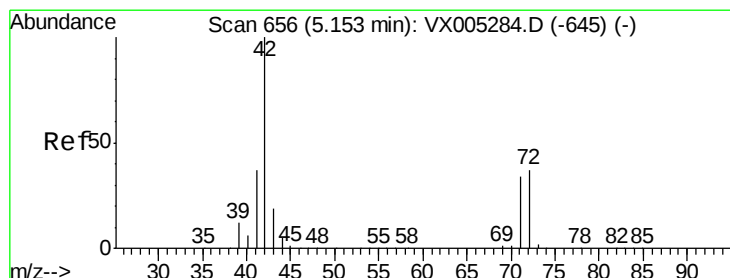
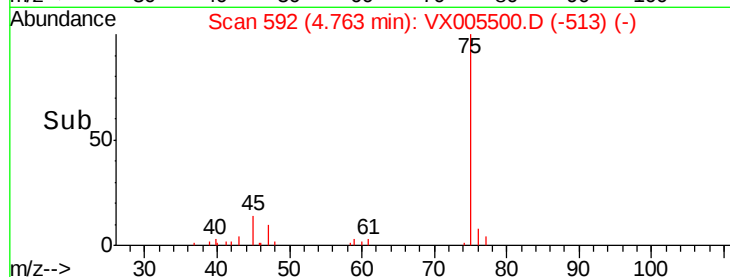
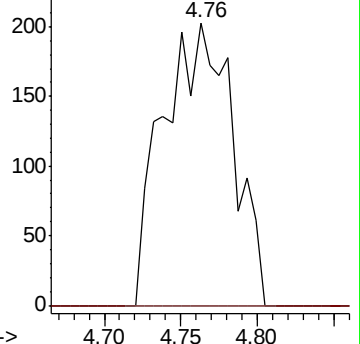
77 100

97 0.0 11.7 35.0#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



#29

Tetrahydrofuran

Concen: 0.224 ug/l

RT: 5.17 min Scan# 659

Delta R.T. 0.02 min

Lab File: VX005500.D

Acq: 23 Oct 2018 05:26

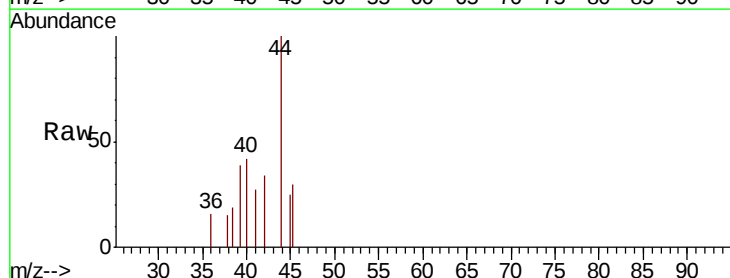
Tgt Ion: 42 Resp: 304

Ion Ratio Lower Upper

42 100

72 0.0 37.4 56.0#

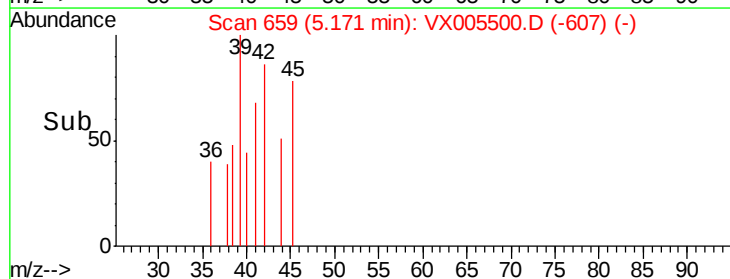
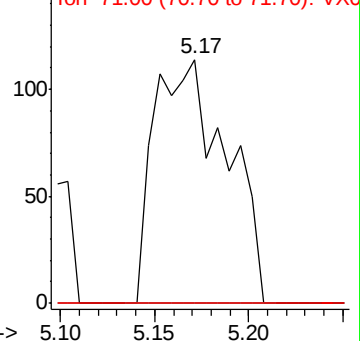
71 0.0 34.5 51.7#

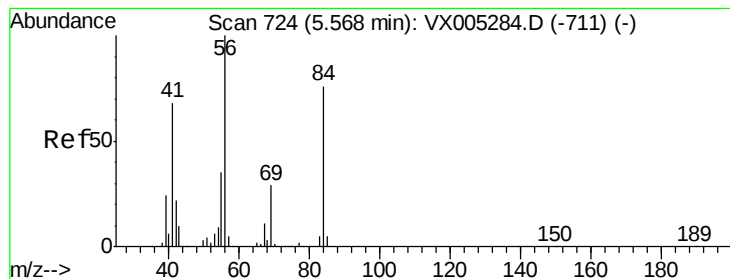


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.182 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.09 min

Lab File: VX005500.D

Acq: 23 Oct 2018 05:26

Instrument :

MSVOA_X

ClientSampleId :

PA-SW-01

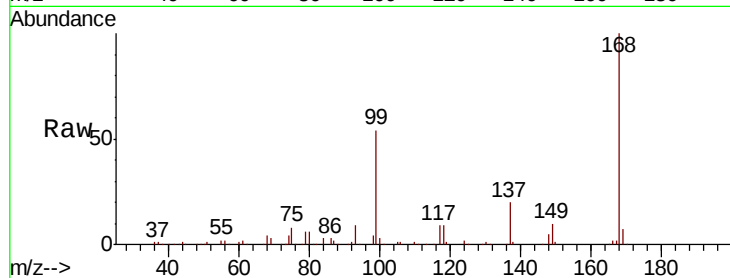
Tot Ion: 56 Resp: 4089

Ion Ratio Lower Upper

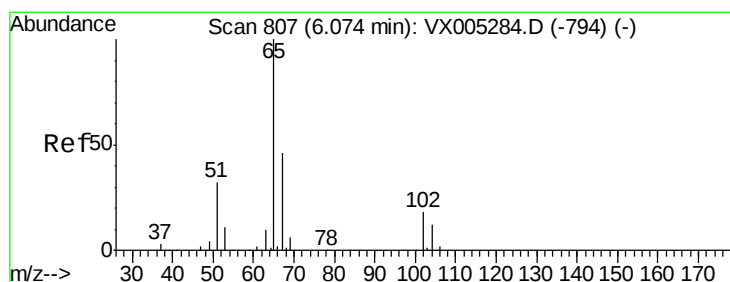
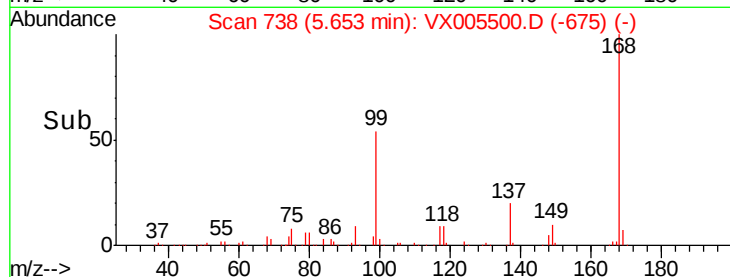
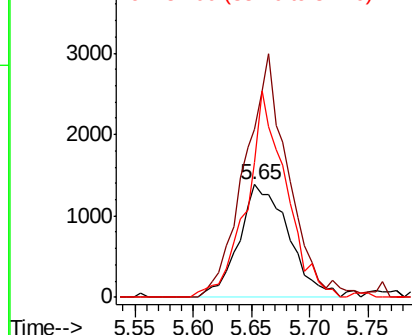
56 100

69 149.1 25.4 38.2#

84 119.2 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: 55.697 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005500.D

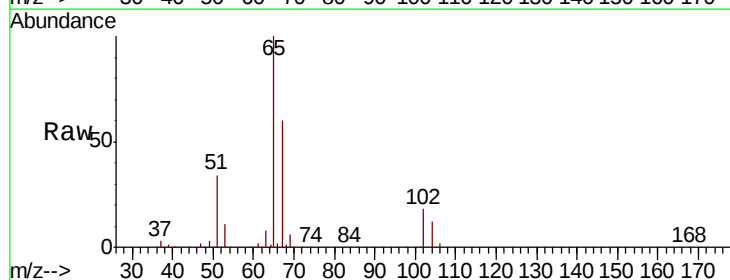
Acq: 23 Oct 2018 05:26

Tgt Ion: 65 Resp: 140158

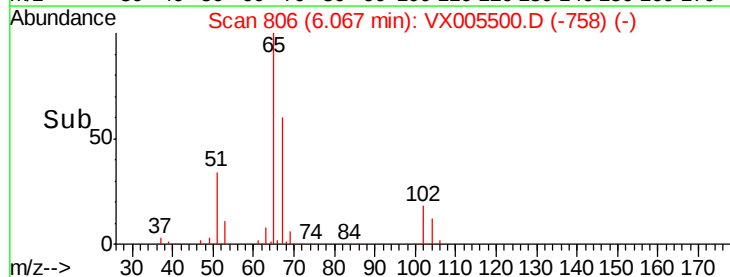
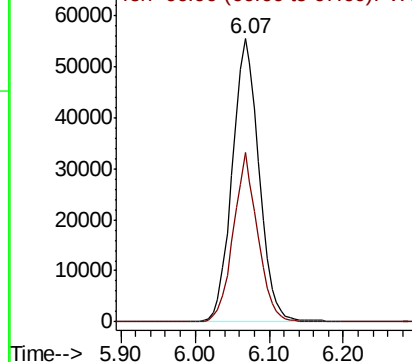
Ion Ratio Lower Upper

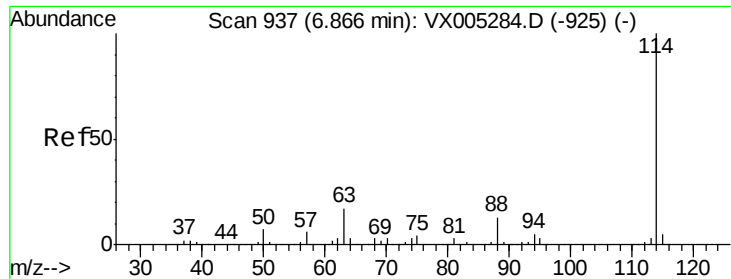
65 100

67 54.2 0.0 106.8



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

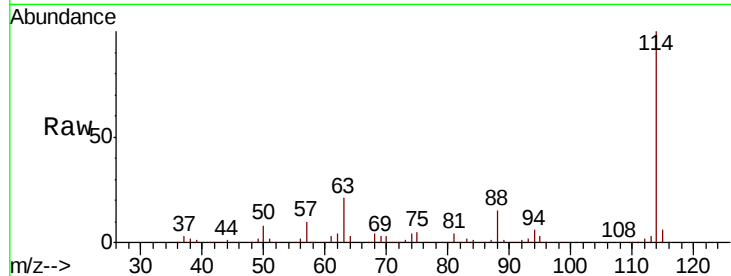




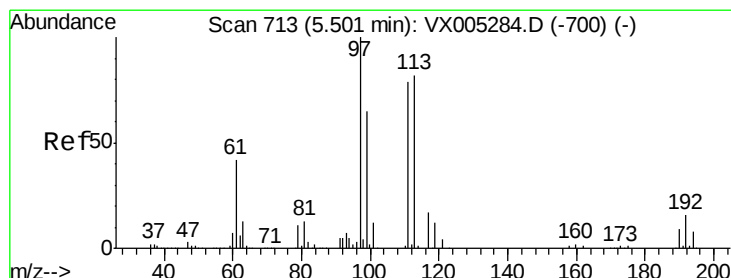
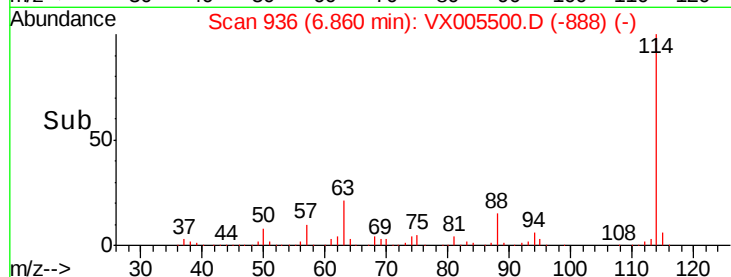
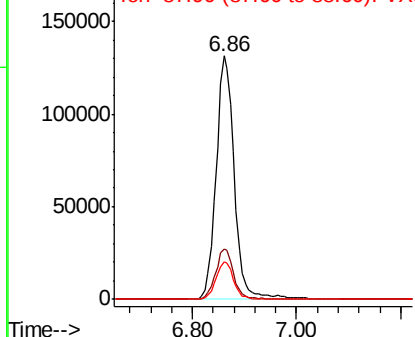
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005500.D
 Acq: 23 Oct 2018 05:26

Instrument :
 MSVOA_X
 ClientSampleId :
 PA-SW-01

Tot Ion:114 Resp: 320534
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 39.0
 88 15.2 0.0 30.4

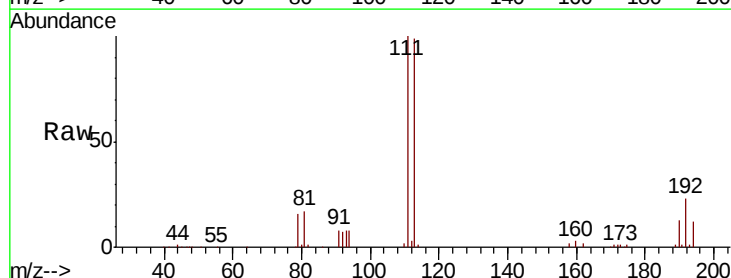


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

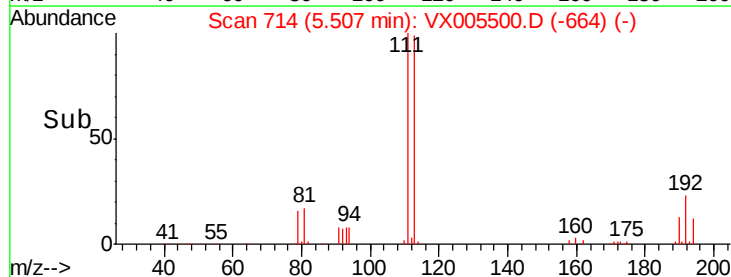
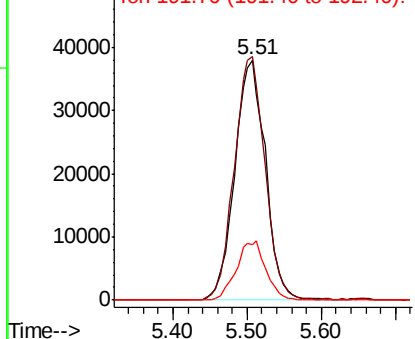


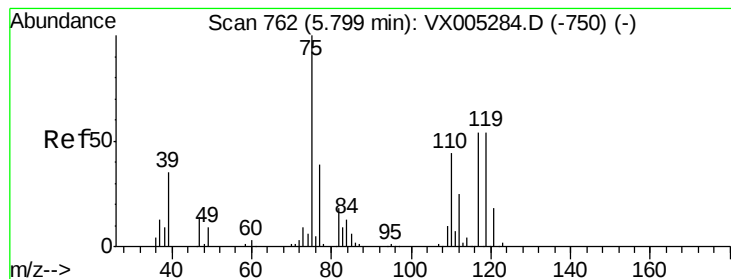
#35
 Dibromofluoromethane
 Concen: 51.692 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX005500.D
 Acq: 23 Oct 2018 05:26

Tgt Ion:113 Resp: 109740
 Ion Ratio Lower Upper
 113 100
 111 101.2 82.4 123.6
 192 23.6 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: 4.963 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX005500.D

Acq: 23 Oct 2018 05:26

Instrument :

MSVOA_X

ClientSampleId :

PA-SW-01

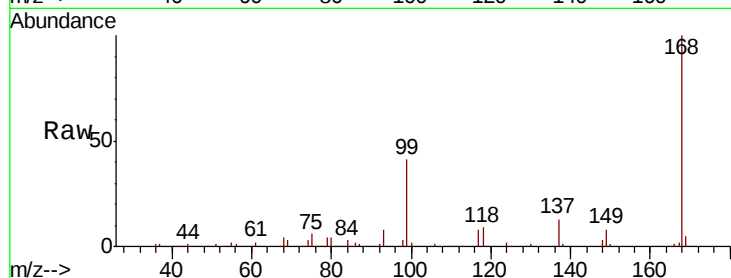
Tot Ion: 75 Resp: 15406

Ion Ratio Lower Upper

75 100

110 8.8 18.0 54.0#

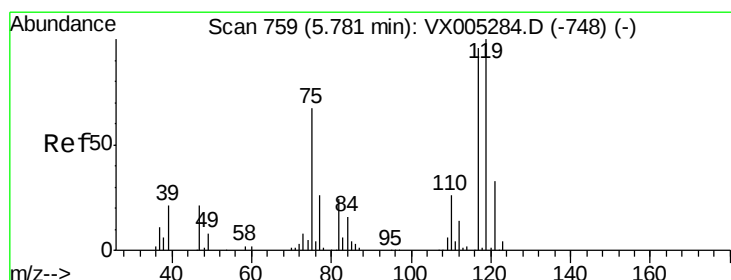
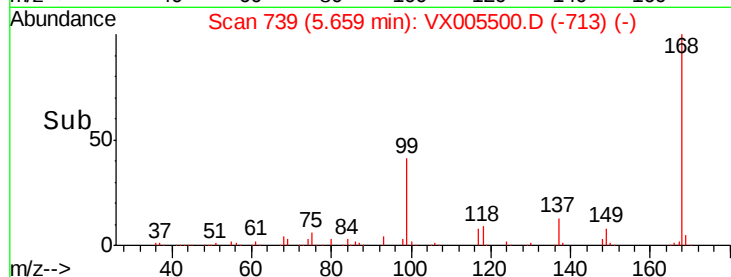
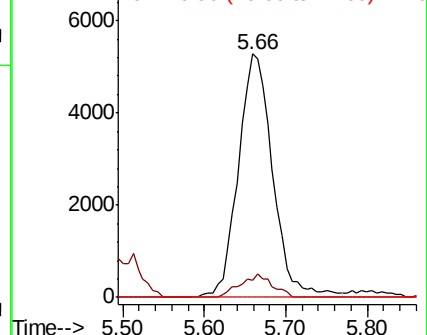
77 0.0 24.6 36.8#



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: 6.276 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX005500.D

Acq: 23 Oct 2018 05:26

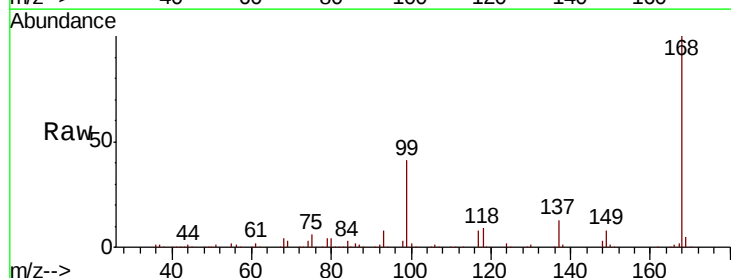
Tgt Ion: 117 Resp: 19577

Ion Ratio Lower Upper

117 100

119 5.8 78.8 118.2#

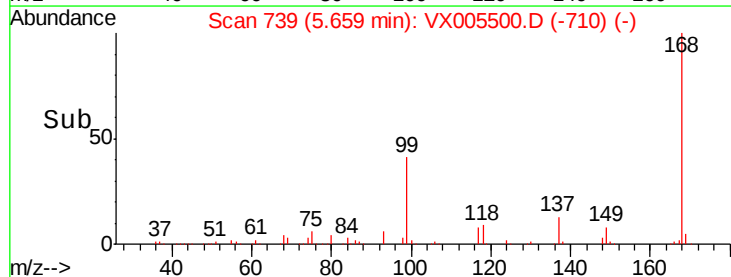
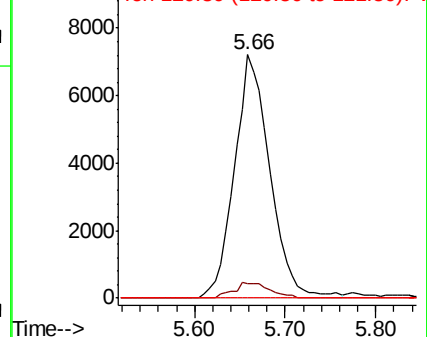
121 0.0 24.9 37.3#

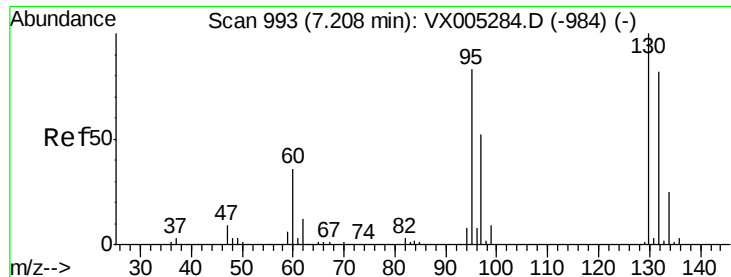


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: Below Cal

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX005500.D

Acq: 23 Oct 2018 05:26

Instrument :

MSVOA_X

ClientSampleId :

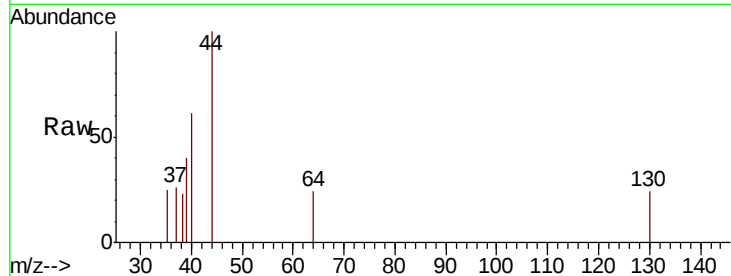
PA-SW-01

Tot Ion:130 Resp: 19

Ion Ratio Lower Upper

130 100

95 0.0 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

60

50

40

30

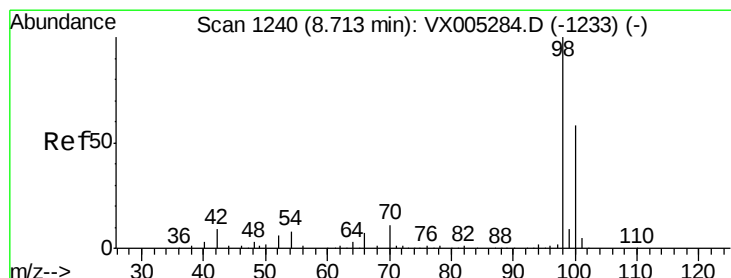
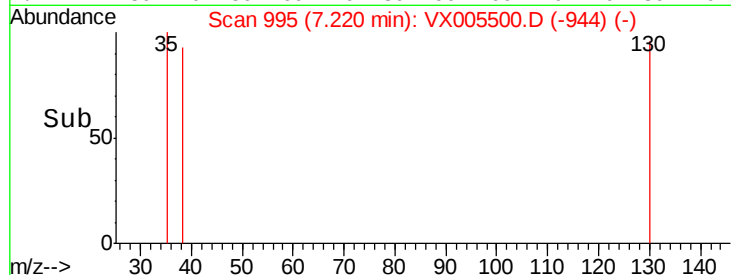
20

10

0

Time-->

7.20 7.21 7.22 7.23 7.24



#50

Toluene-d8

Concen: 52.615 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VX005500.D

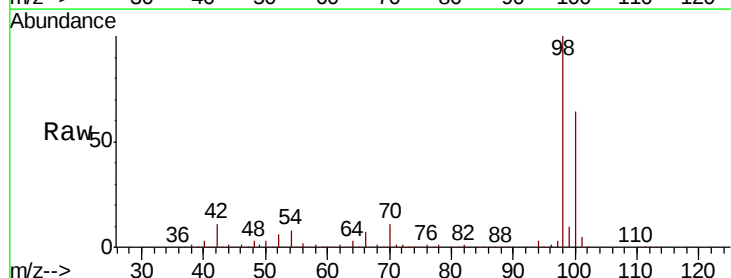
Acq: 23 Oct 2018 05:26

Tgt Ion: 98 Resp: 383477

Ion Ratio Lower Upper

98 100

100 63.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.72

250000

200000

150000

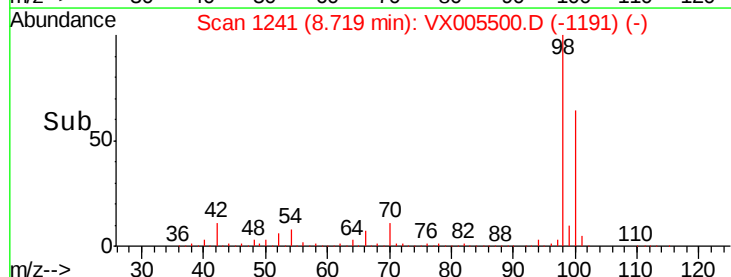
100000

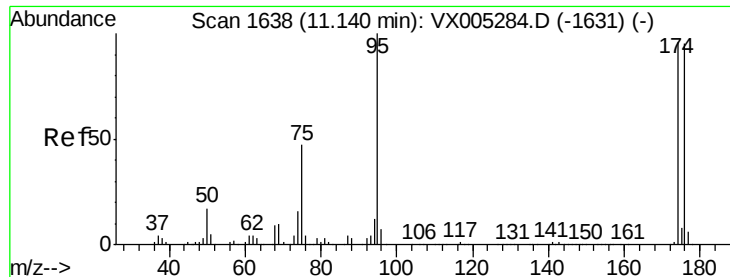
50000

0

Time-->

8.60 8.70 8.80 8.90





#62

4-Bromofluorobenzene

Concen: 45.779 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005500.D

Acq: 23 Oct 2018 05:26

Instrument :

MSVOA_X

ClientSampleId :

PA-SW-01

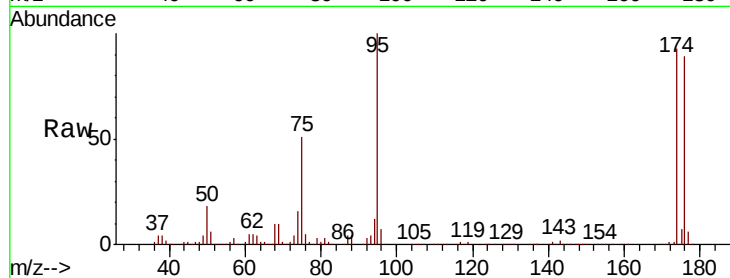
Tot Ion: 95 Resp: 125340

Ion Ratio Lower Upper

95 100

174 92.6 0.0 185.2

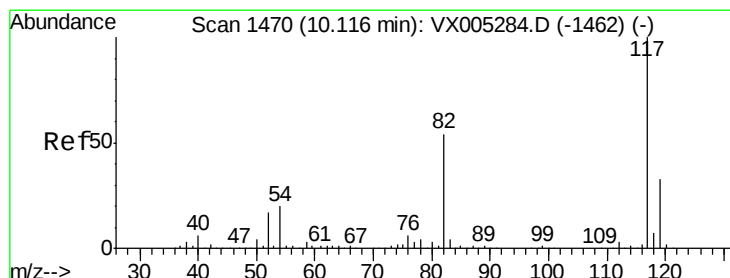
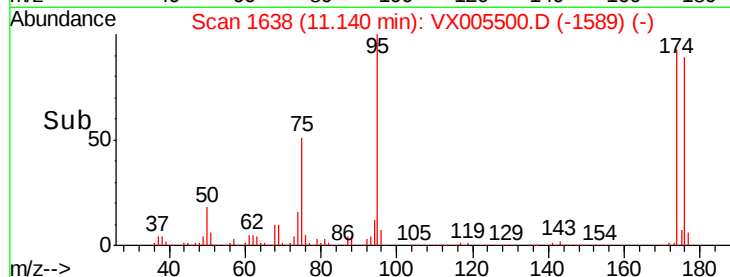
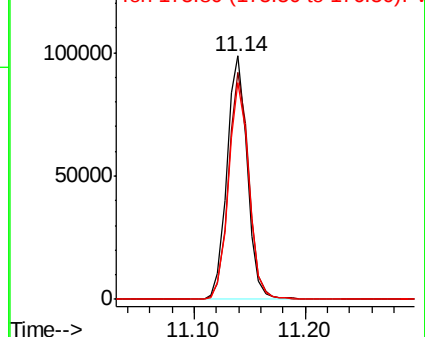
176 89.4 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX005284.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX005284.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX005284.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005500.D

Acq: 23 Oct 2018 05:26

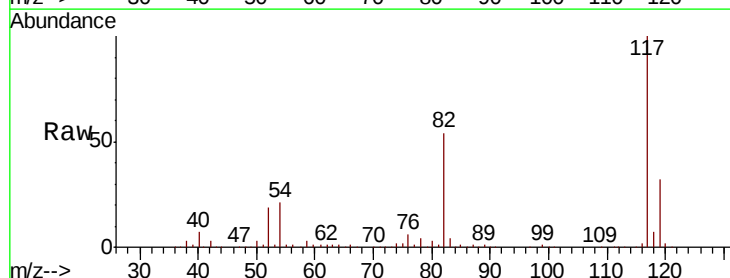
Tgt Ion: 117 Resp: 286214

Ion Ratio Lower Upper

117 100

82 54.1 47.8 71.6

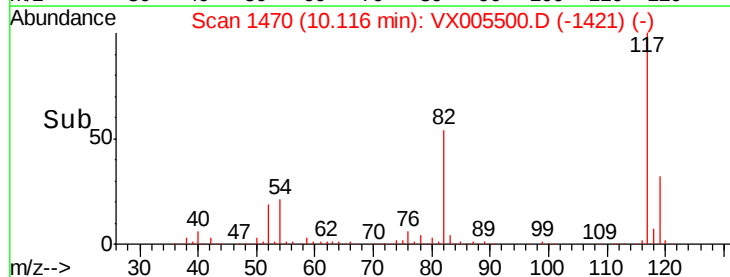
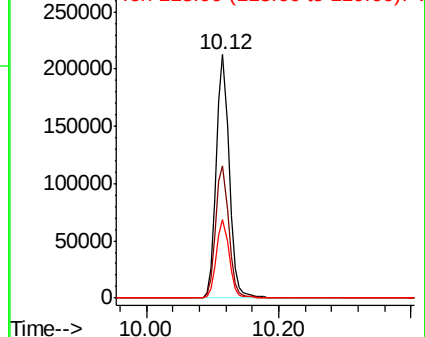
119 32.0 29.3 43.9

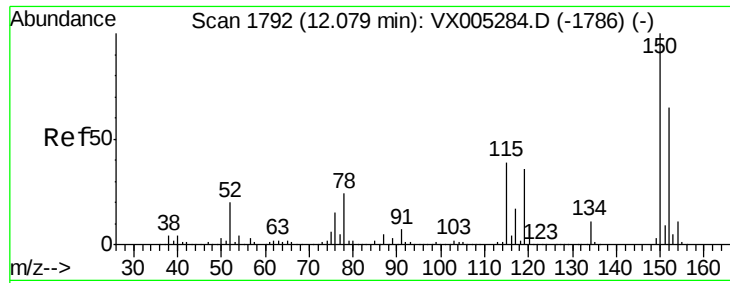


Abundance Ion 116.90 (116.60 to 117.60): VX005284.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX005284.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX005284.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005500.D

Acq: 23 Oct 2018 05:26

Instrument :

MSVOA_X

ClientSampleId :

PA-SW-01

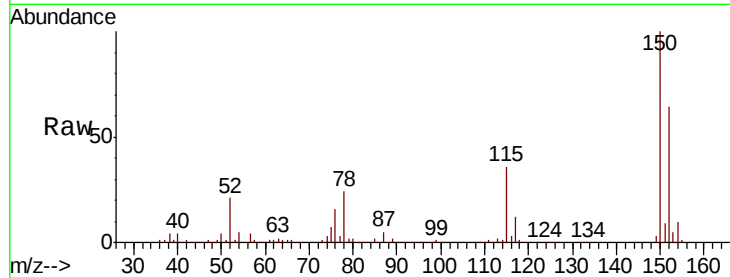
Tot Ion:152 Resp: 134613

Ion Ratio Lower Upper

152 100

115 55.0 39.0 117.0

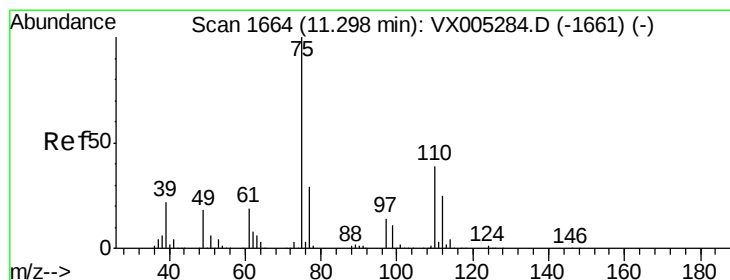
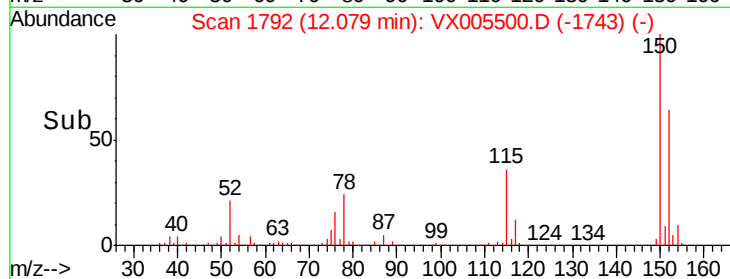
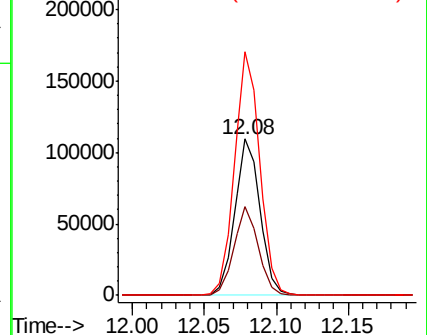
150 156.3 0.0 351.0



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: 24.497 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005500.D

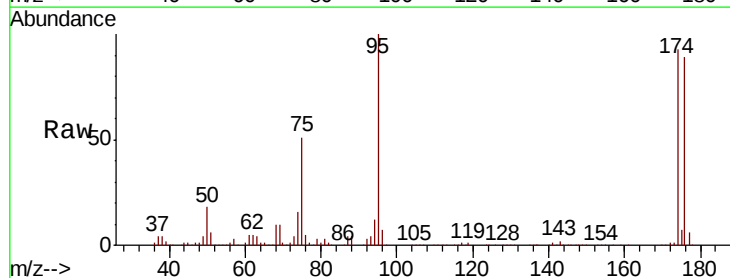
Acq: 23 Oct 2018 05:26

Tgt Ion: 75 Resp: 63964

Ion Ratio Lower Upper

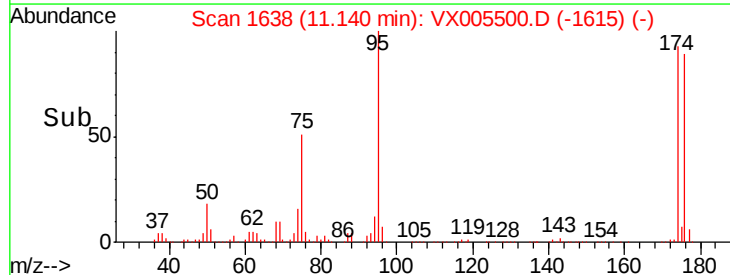
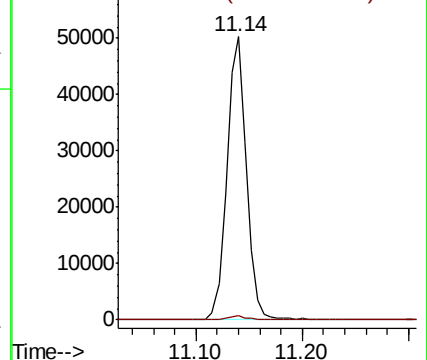
75 100

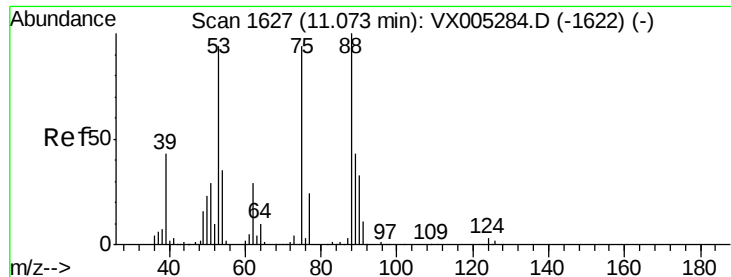
77 1.4 20.2 60.6#



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: 74.433 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005500.D

Acq: 23 Oct 2018 05:26

Instrument :

MSVOA_X

ClientSampleId :

PA-SW-01

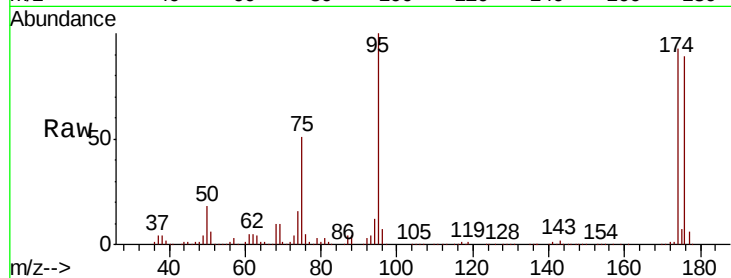
Tot Ion: 75 Resp: 63964

Ion Ratio Lower Upper

75 100

53 0.1 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

