

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091518\
 Data File : VX004587.D
 Acq On : 15 Sep 2018 16:27
 Operator : JC/MD
 Sample : J4922-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PZ-4

Quant Time: Sep 17 08:38:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	234789	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	340192	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	327970	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	183576	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	148563	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
35) Dibromofluoromethane	5.50	113	142389	45.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.48%	
50) Toluene-d8	8.72	98	485981	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	
62) 4-Bromofluorobenzene	11.14	95	173247	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	

Target Compounds

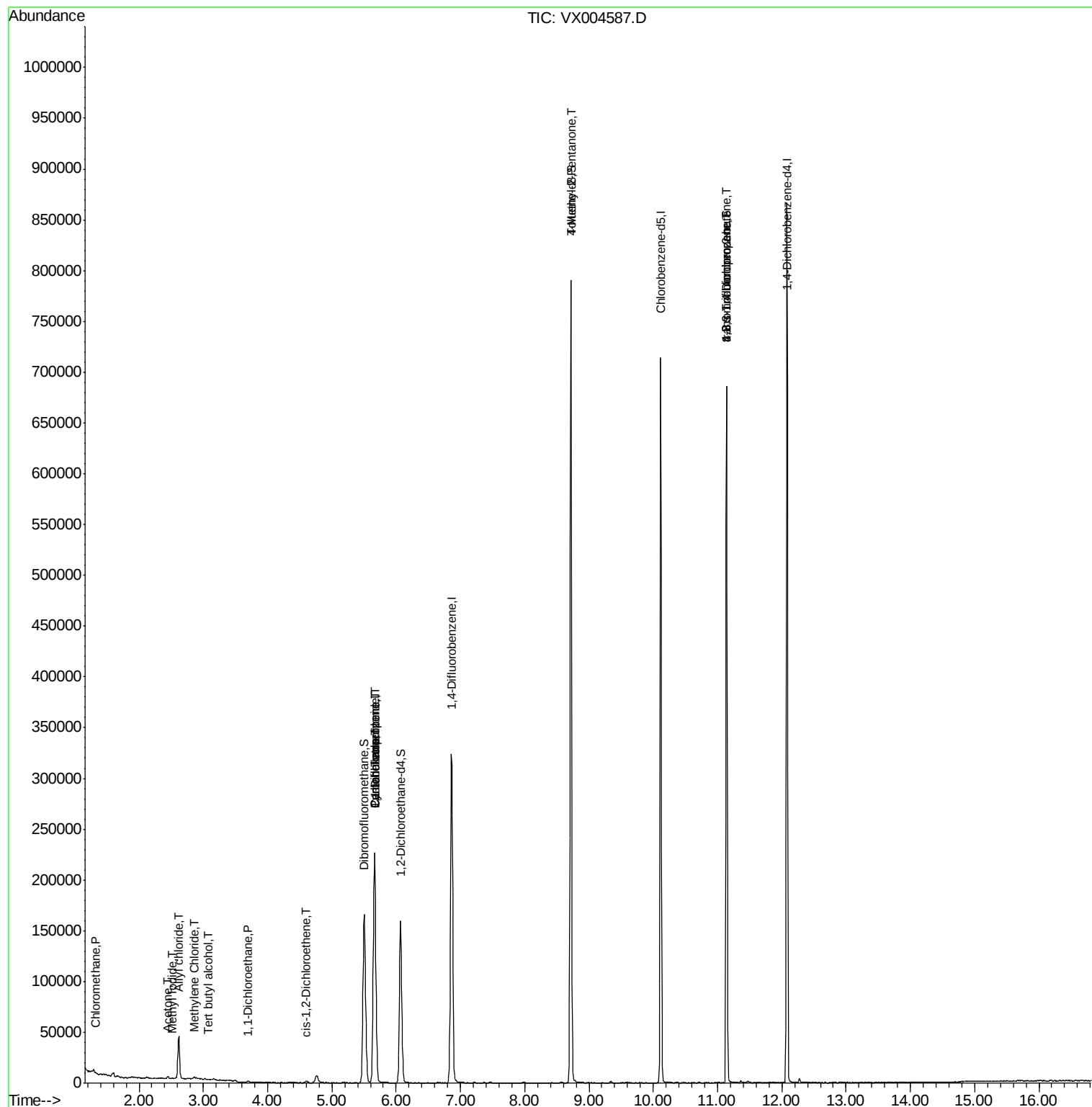
						Qvalue
3) Chloromethane	1.32	50	729	0.24	ug/l	93
5) Bromomethane	1.65	94	745	Below	Cal	82
10) Methyl Iodide	2.53	142	328	4.35	ug/l #	67
11) Tert butyl alcohol	3.07	59	326	0.45	ug/l #	72
14) Allyl chloride	2.61	41	4451	0.88	ug/l #	70
16) Acetone	2.45	43	2282	1.54	ug/l	95
20) Methylene Chloride	2.86	84	767	0.25	ug/l #	82
24) 1,1-Dichloroethane	3.70	63	2084	0.41	ug/l #	93
27) cis-1,2-Dichloroethene	4.60	96	810	0.27	ug/l	63
31) Cyclohexane	5.66	56	4069	0.93	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15028	3.64	ug/l #	49
38) Carbon Tetrachloride	5.66	117	19968	4.95	ug/l #	15
51) 4-Methyl-2-Pentanone	8.71	43	2005	0.46	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	81804	22.15	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	81804	70.60	ug/l #	10

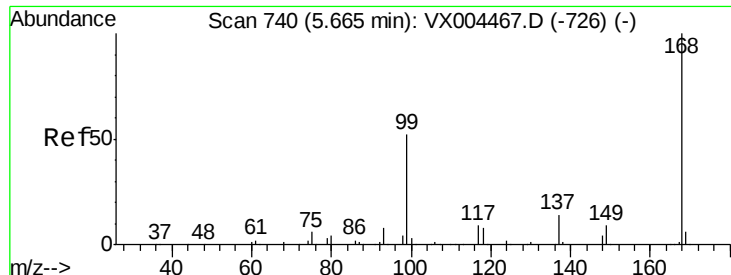
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091518\
Data File : VX004587.D
Acq On : 15 Sep 2018 16:27
Operator : JC/MD
Sample : J4922-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PZ-4

Quant Time: Sep 17 08:38:10 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX004587.D

Acq: 15 Sep 2018 16:27

Instrument :

MSVOA_X

ClientSampled :

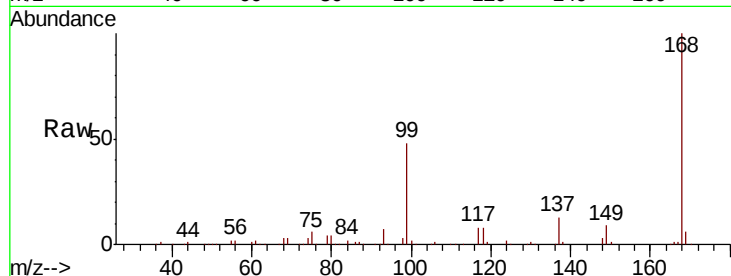
PZ-4

Tot Ion:168 Resp: 234789

Ion Ratio Lower Upper

168 100

99 47.8 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

80000

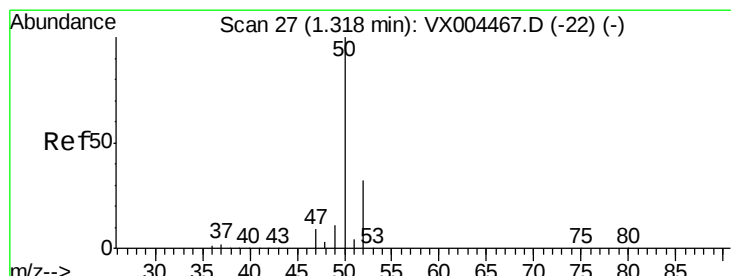
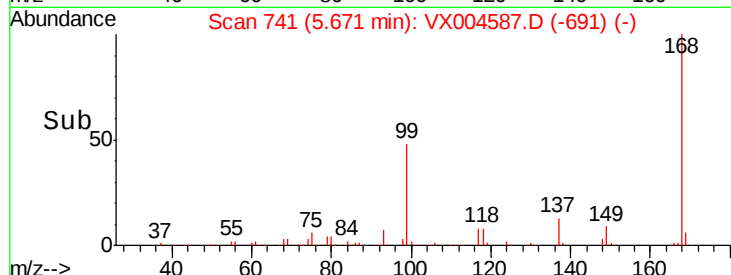
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.24 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004587.D

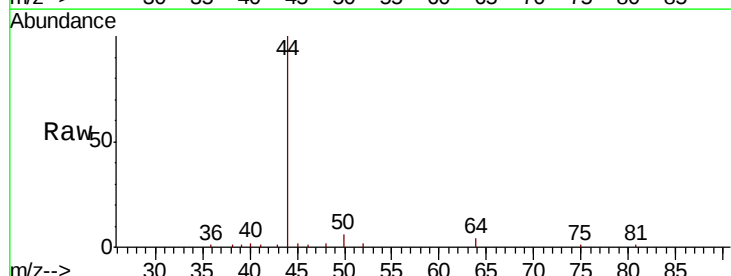
Acq: 15 Sep 2018 16:27

Tgt Ion: 50 Resp: 729

Ion Ratio Lower Upper

50 100

52 36.5 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

600

500

400

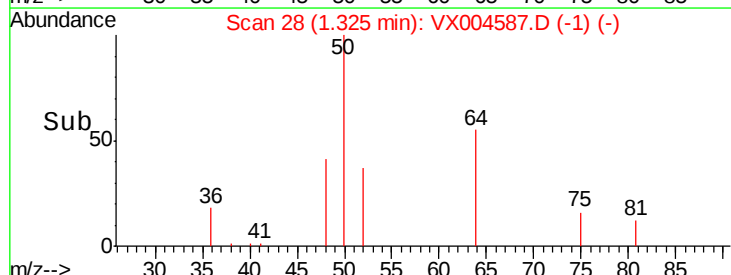
300

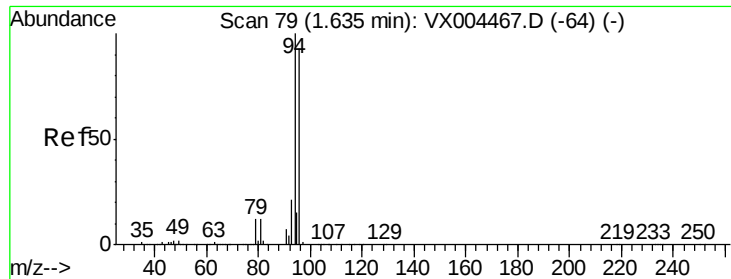
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX004587.D

Acq: 15 Sep 2018 16:27

Instrument :

MSVOA_X

ClientSampled :

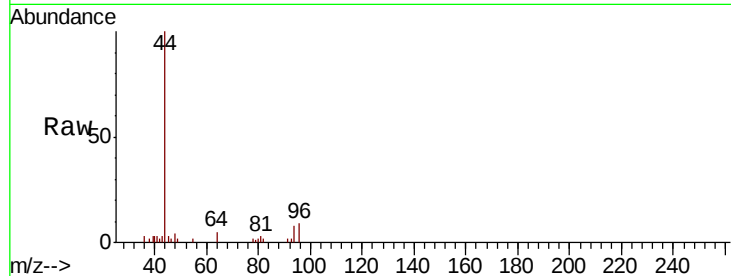
PZ-4

Tot Ion: 94 Resp: 745

Ion Ratio Lower Upper

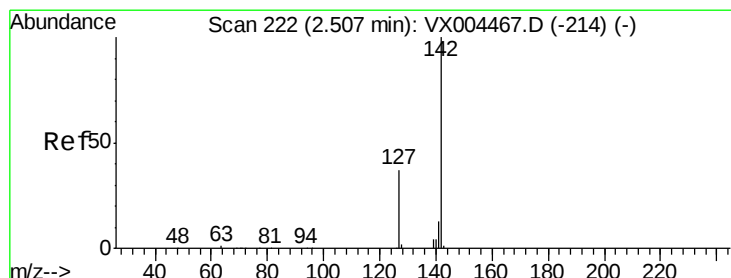
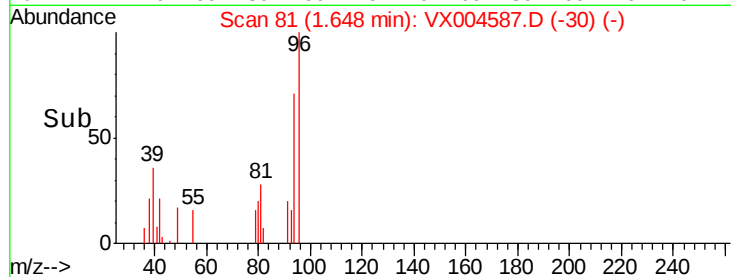
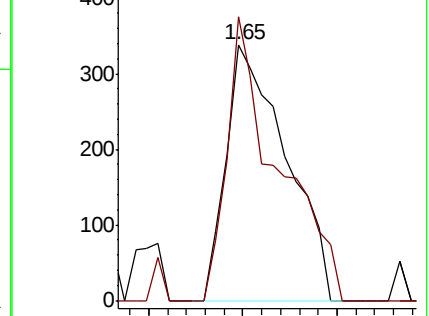
94 100

96 110.6 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 4.35 ug/l

RT: 2.53 min Scan# 225

Delta R.T. 0.02 min

Lab File: VX004587.D

Acq: 15 Sep 2018 16:27

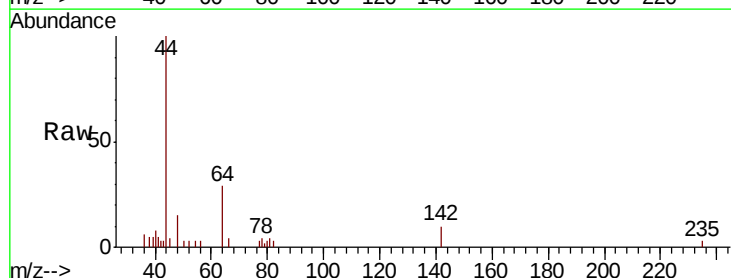
Tgt Ion: 142 Resp: 328

Ion Ratio Lower Upper

142 100

127 21.3 33.8 50.6#

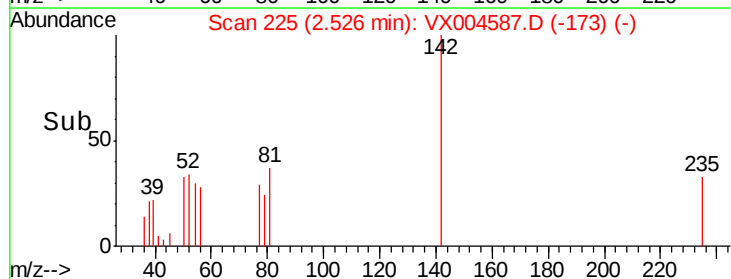
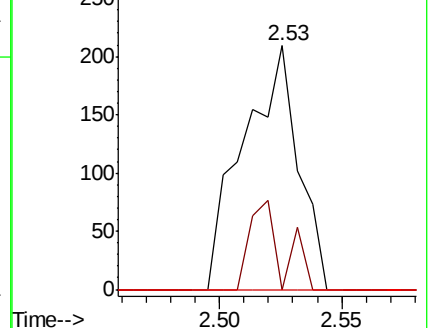
141 0.0 11.4 17.0#

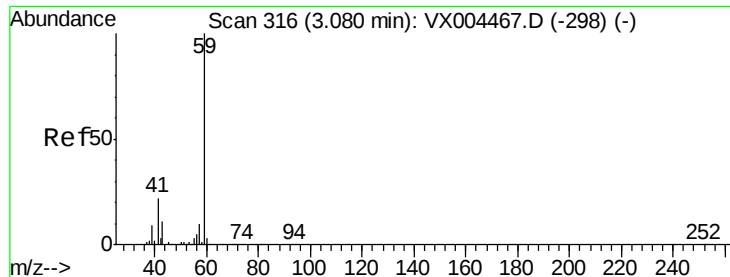


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

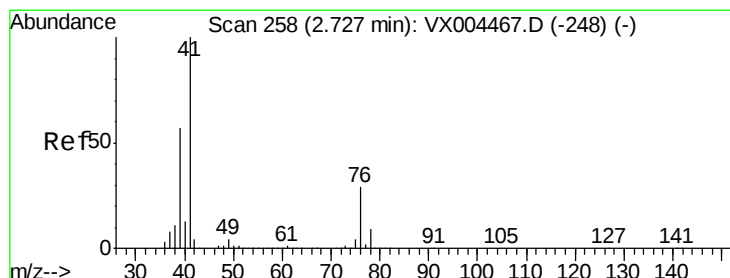
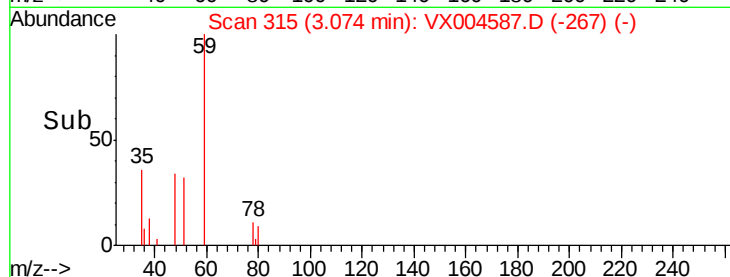
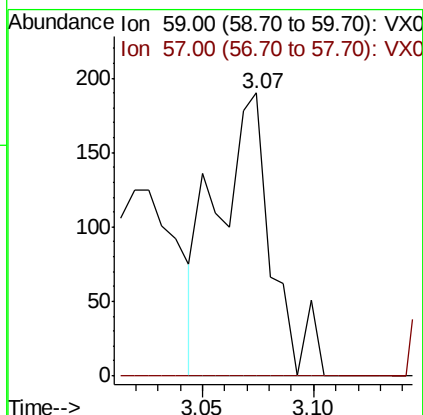
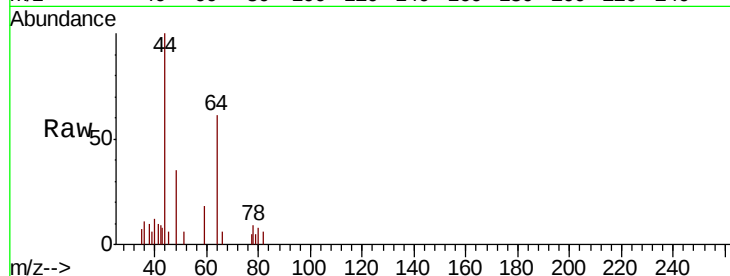




#11
Tert butyl alcohol
Concen: 0.45 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX004587.D
Acq: 15 Sep 2018 16:27

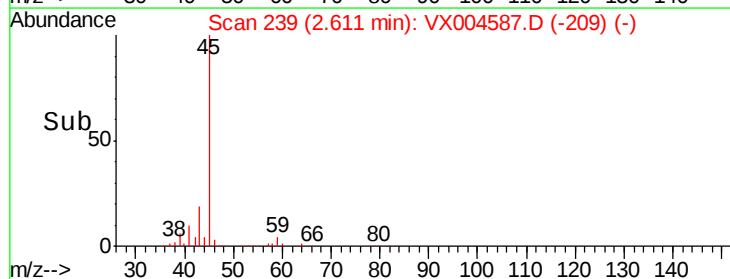
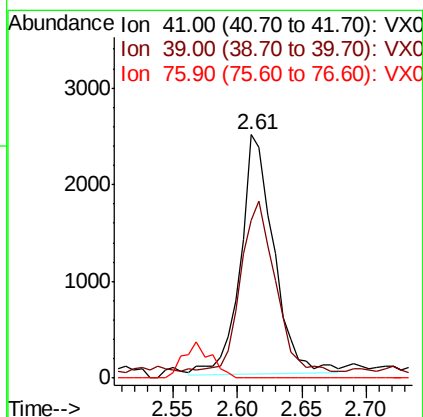
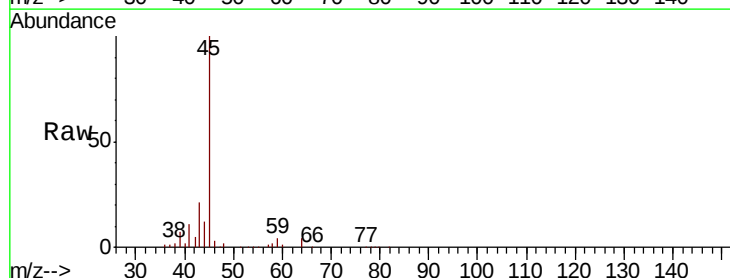
Instrument :
MSVOA_X
ClientSampled :
PZ-4

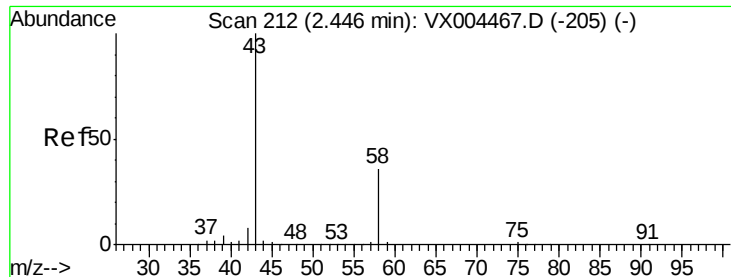
Tot Ion: 59 Resp: 326
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#14
Allyl chloride
Concen: 0.88 ug/l
RT: 2.61 min Scan# 239
Delta R.T. -0.12 min
Lab File: VX004587.D
Acq: 15 Sep 2018 16:27

Tgt Ion: 41 Resp: 4451
Ion Ratio Lower Upper
41 100
39 72.3 48.9 73.3
76 0.0 26.7 40.1#





#16

Acetone

Concen: 1.54 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004587.D

Acq: 15 Sep 2018 16:27

Instrument :

MSVOA_X

ClientSampled :

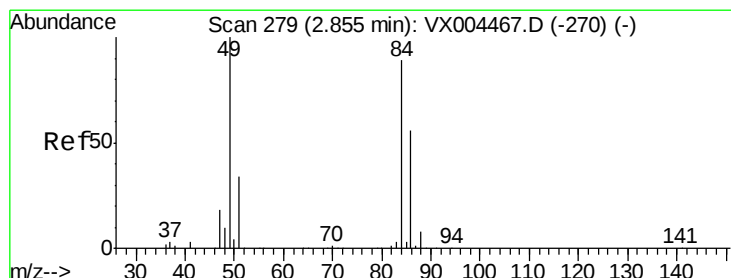
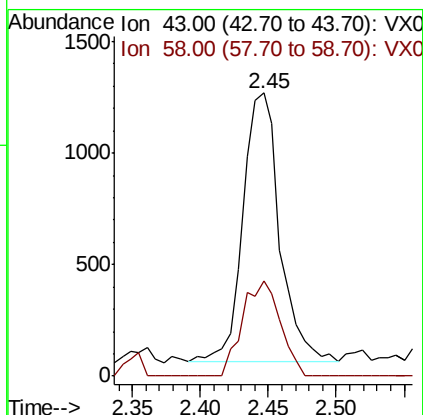
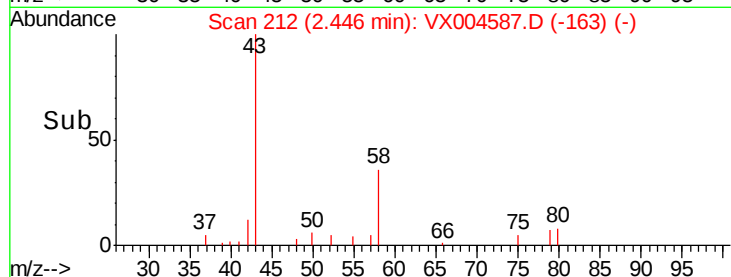
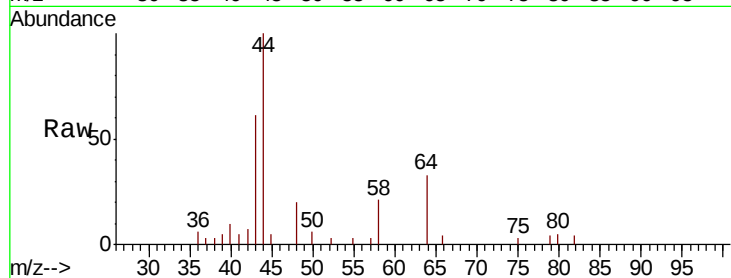
PZ-4

Tot Ion: 43 Resp: 2282

Ion Ratio Lower Upper

43 100

58 35.6 26.2 39.4



#20

Methylene Chloride

Concen: 0.25 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004587.D

Acq: 15 Sep 2018 16:27

Tgt Ion: 84 Resp: 767

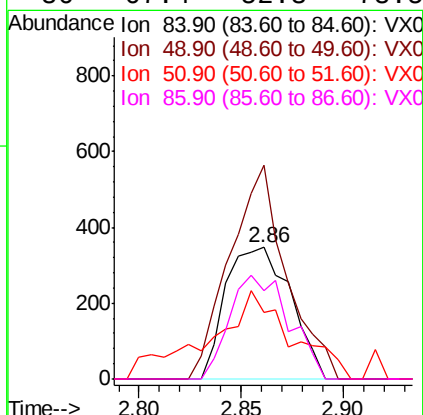
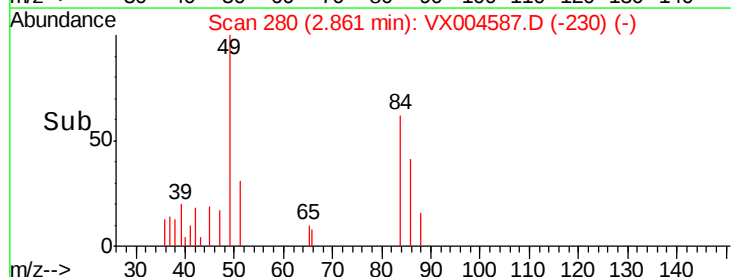
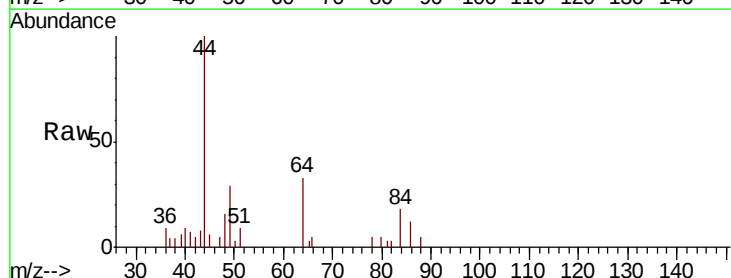
Ion Ratio Lower Upper

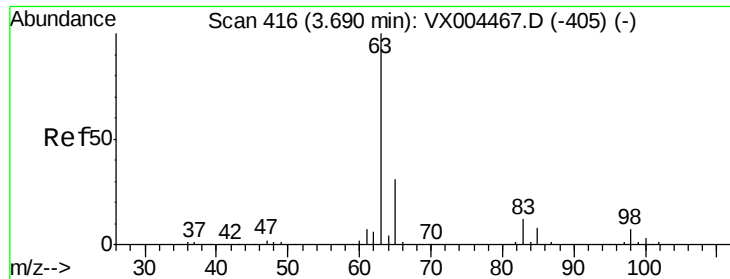
84 100

49 162.5 101.2 151.8#

51 35.7 29.5 44.3

86 67.4 52.3 78.5





#24

1,1-Dichloroethane

Concen: 0.41 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX004587.D

Acq: 15 Sep 2018 16:27

Instrument :

MSVOA_X

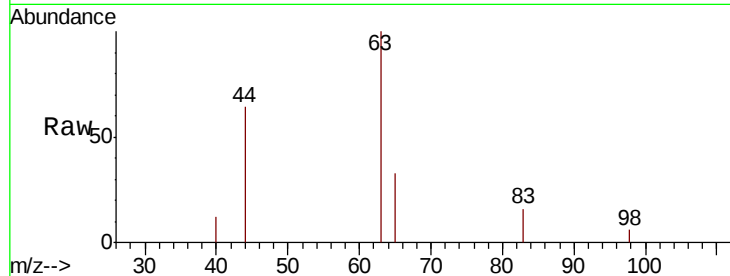
ClientSampled :

PZ-4

Tot Ion: 63 Resp: 2084

Ion Ratio Lower Upper

63	100		
98	6.5	3.5	10.4
100	0.0	2.4	7.1#



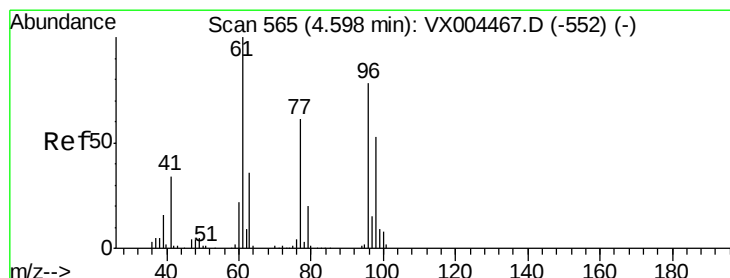
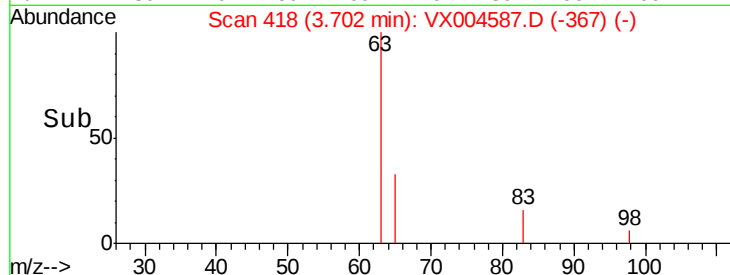
Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

Time-->

3.60 3.65 3.70 3.75



#27

cis-1,2-Dichloroethene

Concen: 0.27 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

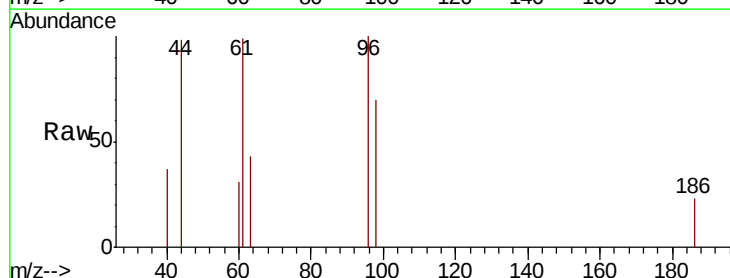
Lab File: VX004587.D

Acq: 15 Sep 2018 16:27

Tgt Ion: 96 Resp: 810

Ion Ratio Lower Upper

96	100		
61	77.8	0.0	282.6
98	62.1	0.0	130.2



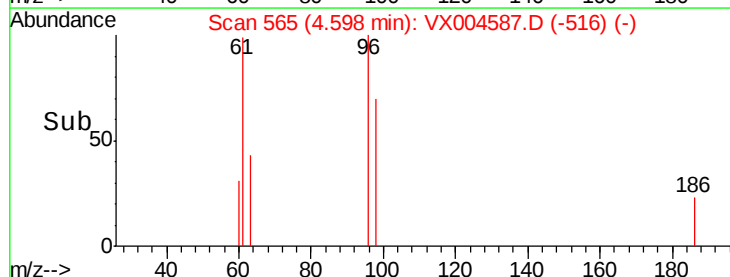
Abundance Ion 95.90 (95.60 to 96.60): VX0

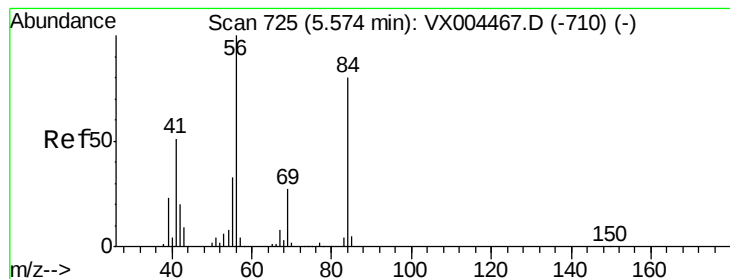
Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Time-->

4.55 4.60 4.65





#31

Cyclohexane

Concen: 0.93 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX004587.D

Acq: 15 Sep 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

PZ-4

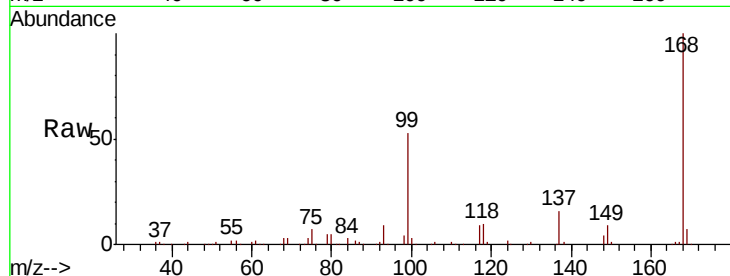
Tot Ion: 56 Resp: 4069

Ion Ratio Lower Upper

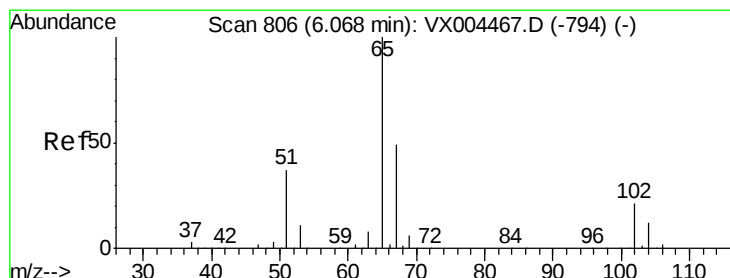
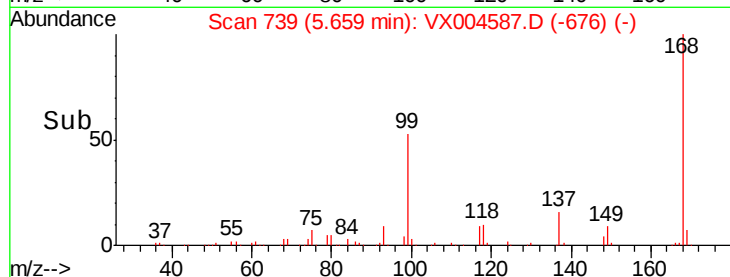
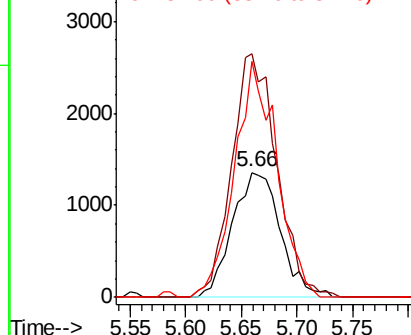
56 100

69 195.4 25.4 38.2#

84 189.4 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: 49.07 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004587.D

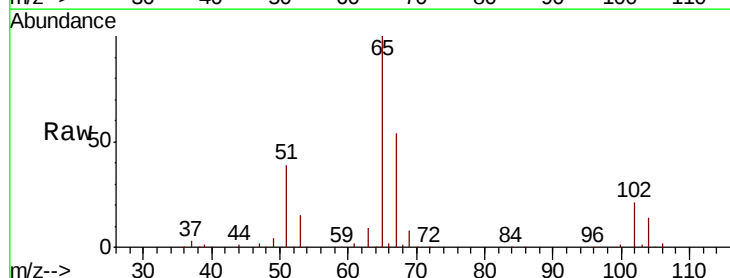
Acq: 15 Sep 2018 16:27

Tgt Ion: 65 Resp: 148563

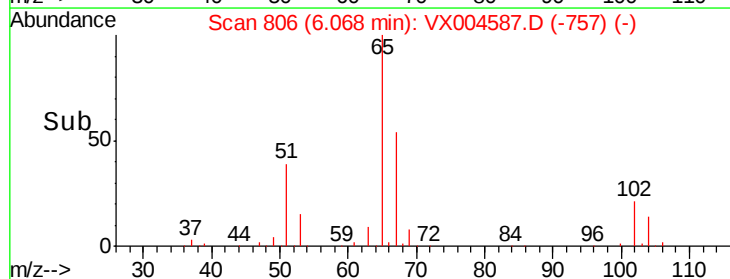
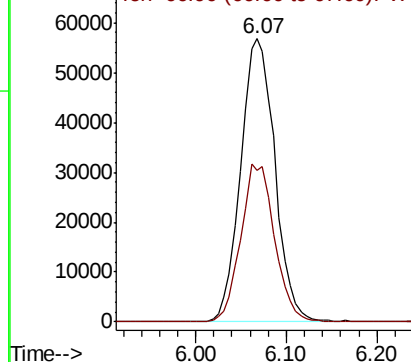
Ion Ratio Lower Upper

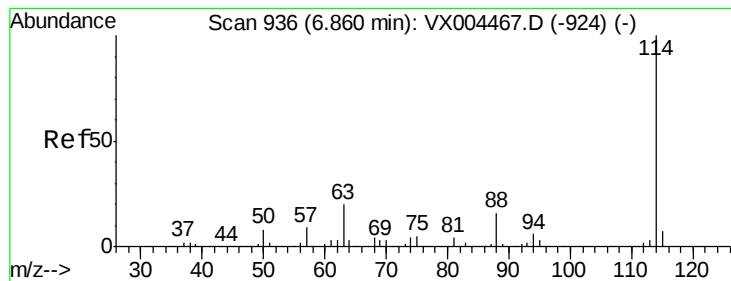
65 100

67 54.9 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: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX004587.D

Acq: 15 Sep 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

PZ-4

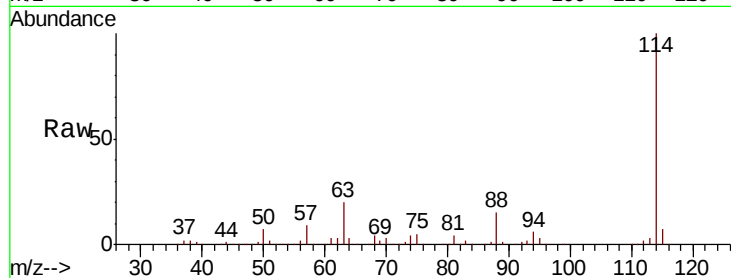
Tot Ion:114 Resp: 340192

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.0

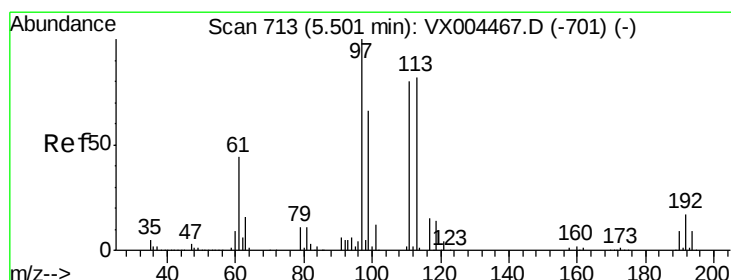
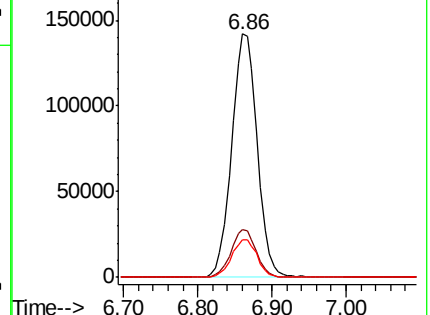
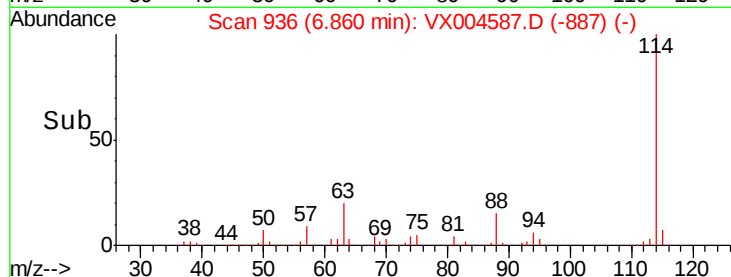
88 15.2 0.0 30.4



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: 45.74 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX004587.D

Acq: 15 Sep 2018 16:27

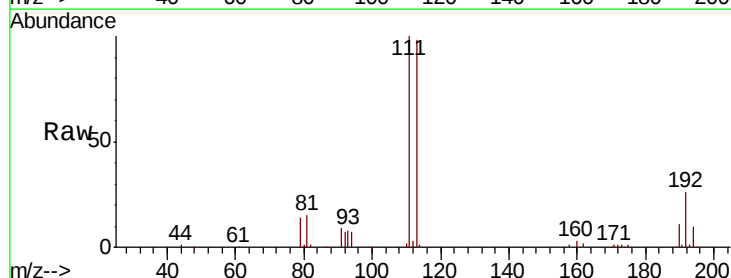
Tgt Ion:113 Resp: 142389

Ion Ratio Lower Upper

113 100

111 103.6 82.4 123.6

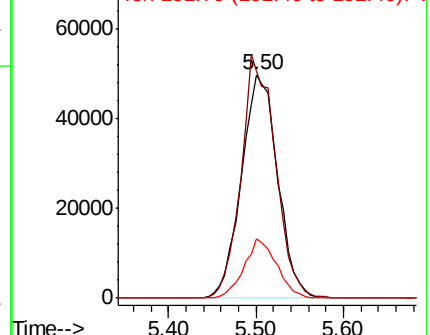
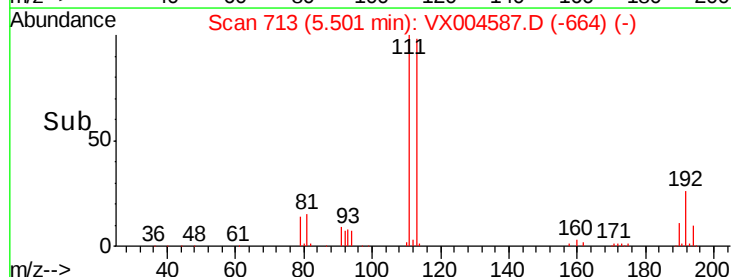
192 24.1 19.4 29.2

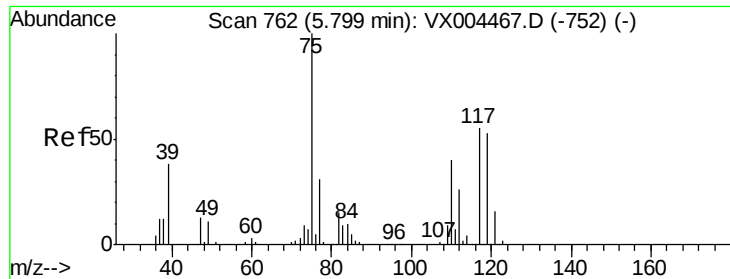


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

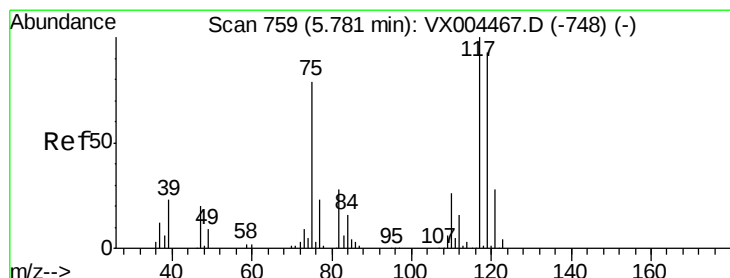
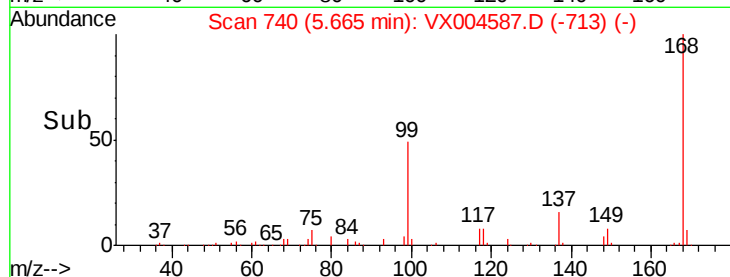
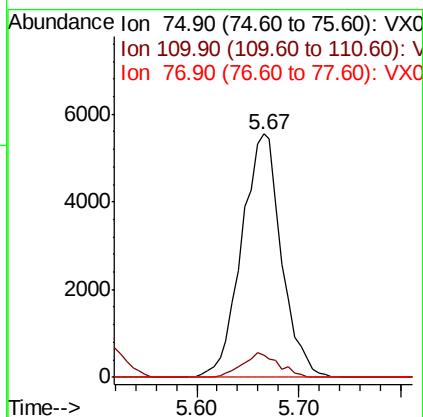
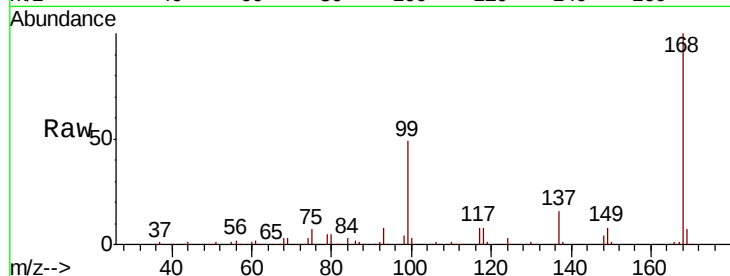




#36
 1,1-Dichloropropene
 Concen: 3.64 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX004587.D
 Acq: 15 Sep 2018 16:27

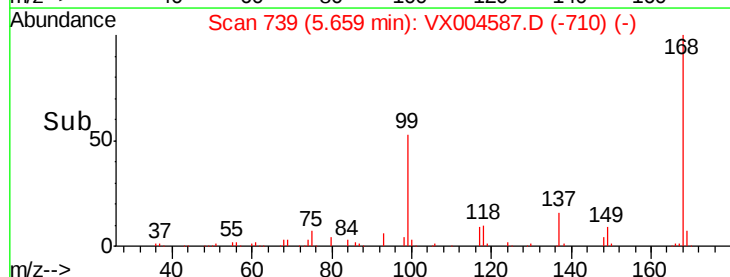
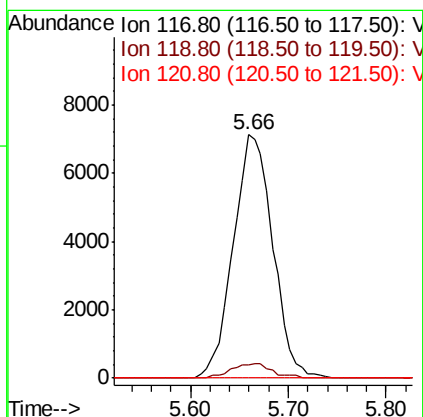
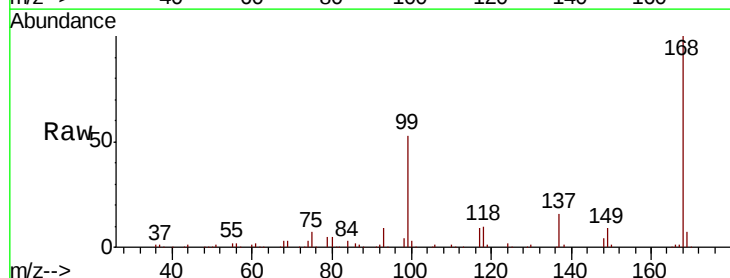
Instrument :
 MSVOA_X
 ClientSampleId :
 PZ-4

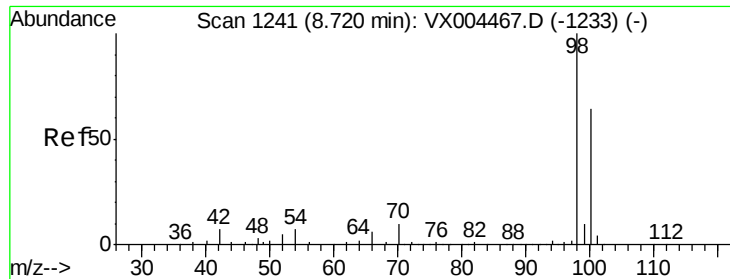
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.0	54.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 4.95 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX004587.D
 Acq: 15 Sep 2018 16:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	78.8	118.2#
121	0.0	24.9	37.3#

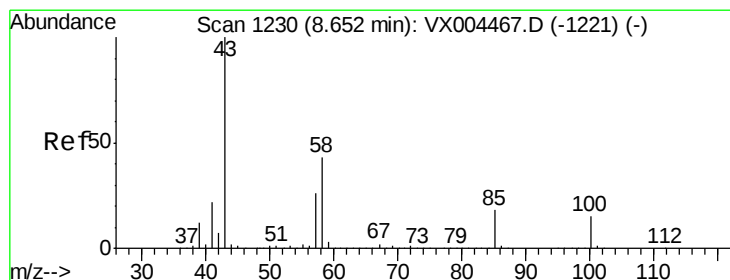
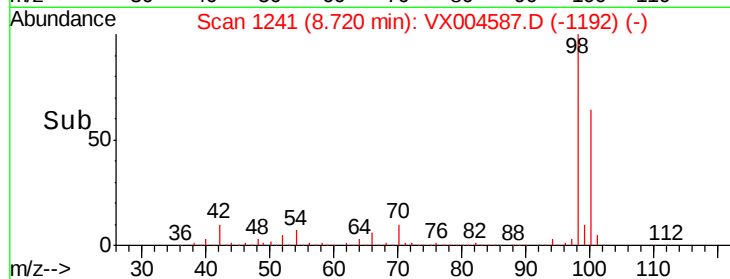
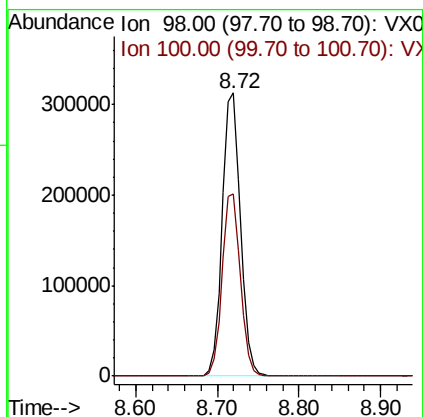
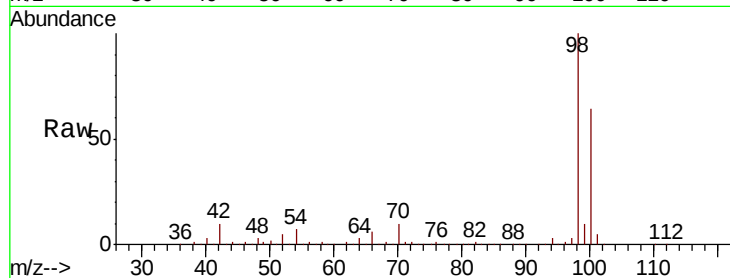




#50
Toluene-d8
Concen: 46.55 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004587.D
Acq: 15 Sep 2018 16:27

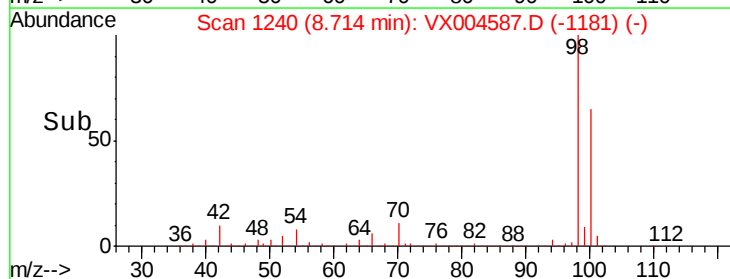
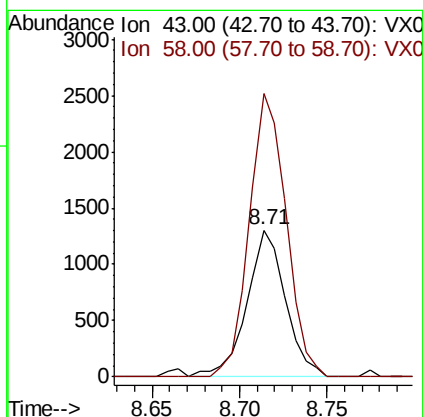
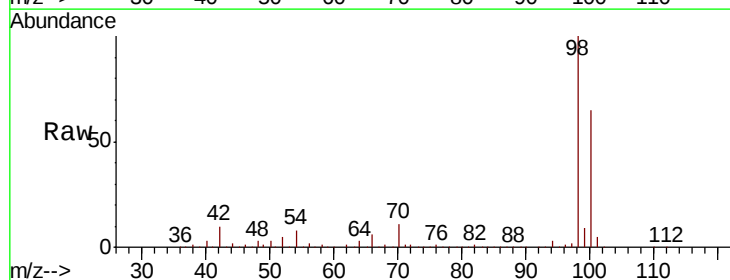
Instrument :
MSVOA_X
ClientSampleId :
PZ-4

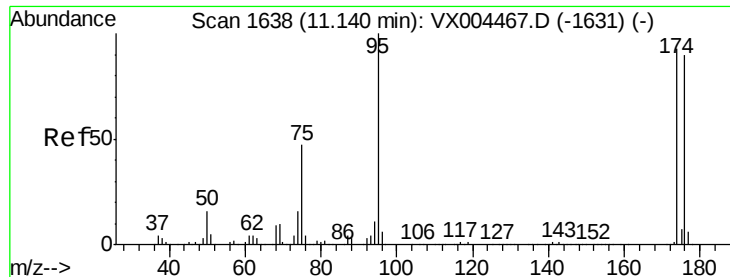
Tot Ion: 98 Resp: 485981
Ion Ratio Lower Upper
98 100
100 64.4 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 0.46 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.06 min
Lab File: VX004587.D
Acq: 15 Sep 2018 16:27

Tgt Ion: 43 Resp: 2005
Ion Ratio Lower Upper
43 100
58 184.3 33.1 49.7#





#62

4-Bromofluorobenzene

Concen: 46.49 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004587.D

Acq: 15 Sep 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

PZ-4

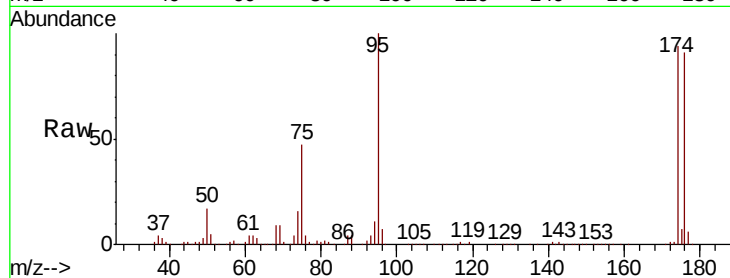
Tot Ion: 95 Resp: 173247

Ion Ratio Lower Upper

95 100

174 93.3 0.0 185.2

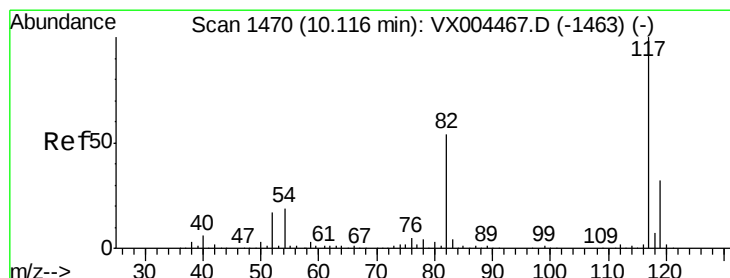
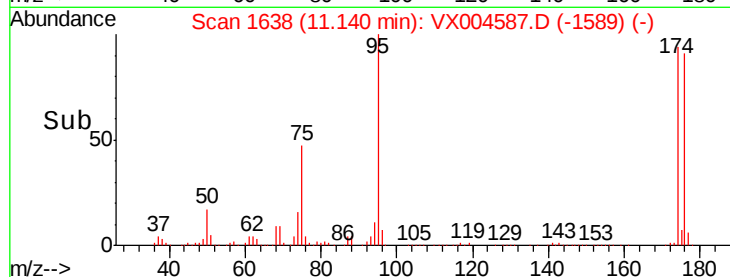
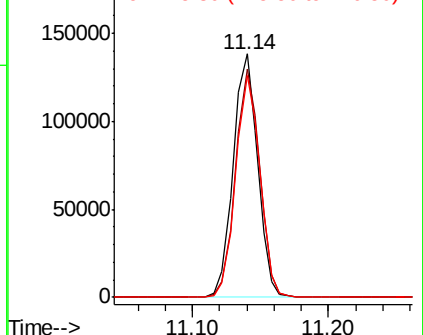
176 90.6 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX004467.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX004467.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX004467.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX004587.D

Acq: 15 Sep 2018 16:27

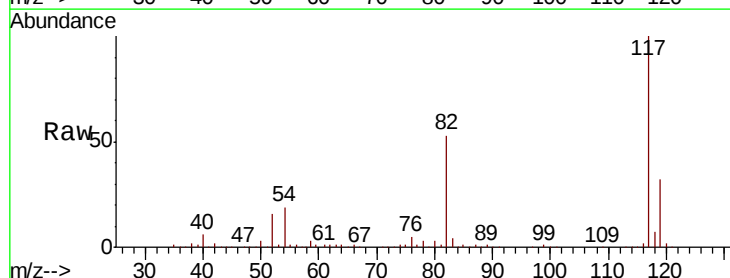
Tgt Ion: 117 Resp: 327970

Ion Ratio Lower Upper

117 100

82 53.0 47.8 71.6

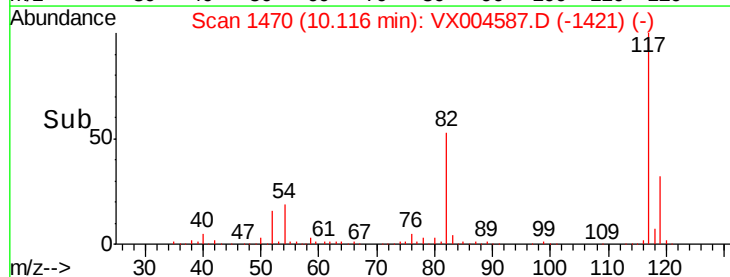
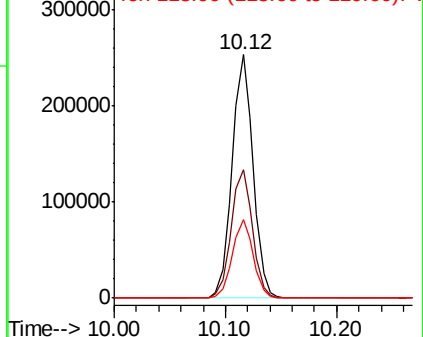
119 32.0 29.3 43.9

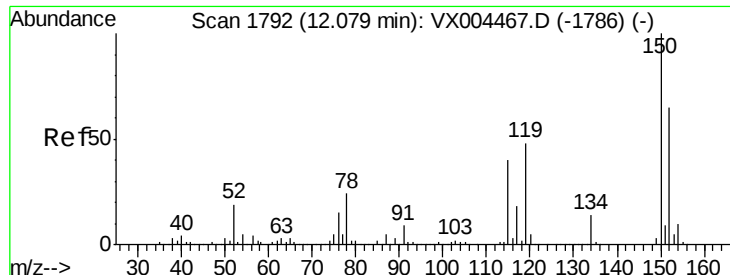


Abundance Ion 116.90 (116.60 to 117.60): VX004467.D (-1463) (-)

Ion 82.00 (81.70 to 82.70): VX004467.D (-1463) (-)

Ion 118.90 (118.60 to 119.60): VX004467.D (-1463) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004587.D

Acq: 15 Sep 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

PZ-4

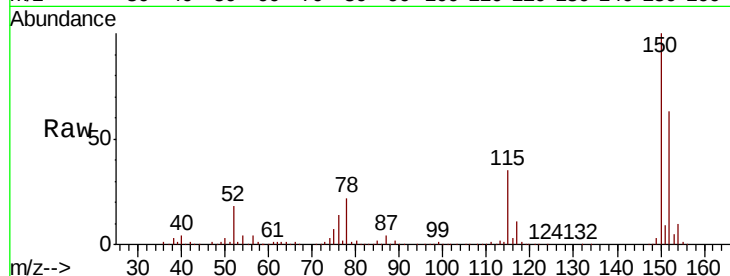
Tot Ion:152 Resp: 183576

Ion Ratio Lower Upper

152 100

115 54.5 39.0 117.0

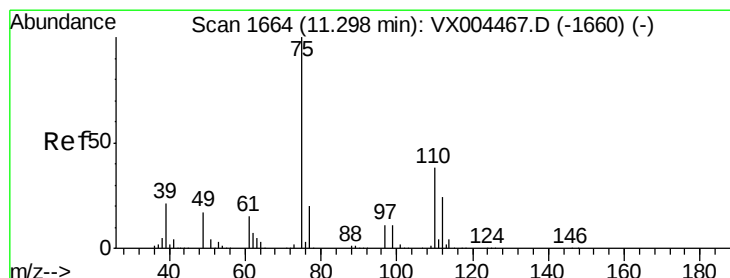
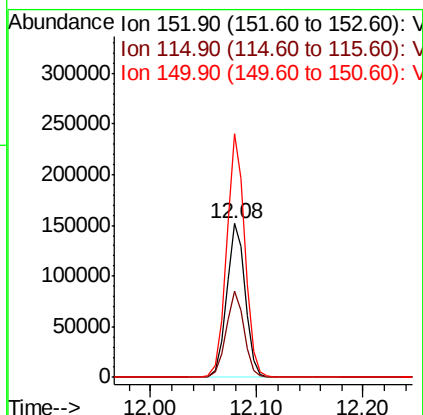
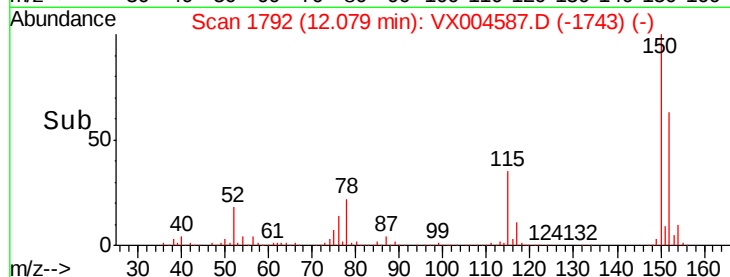
150 156.4 0.0 351.0



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: 22.15 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004587.D

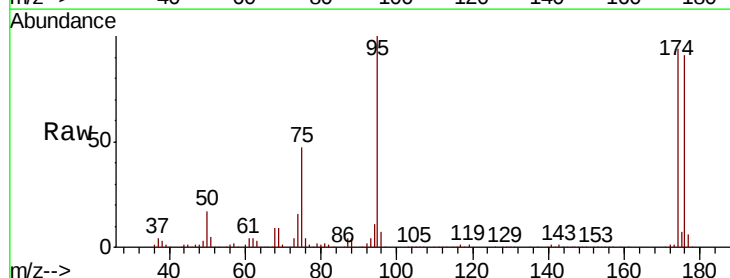
Acq: 15 Sep 2018 16:27

Tgt Ion: 75 Resp: 81804

Ion Ratio Lower Upper

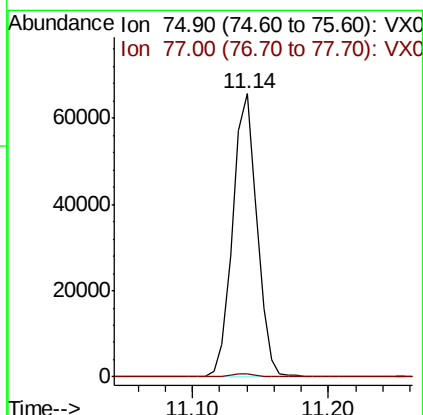
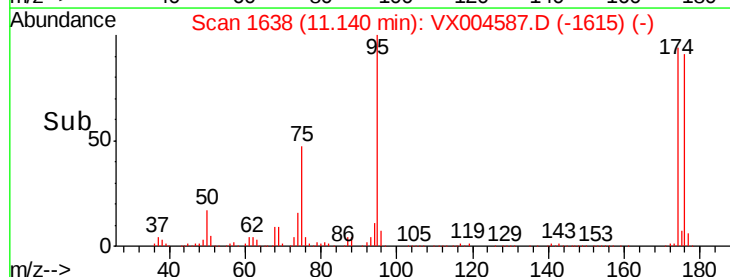
75 100

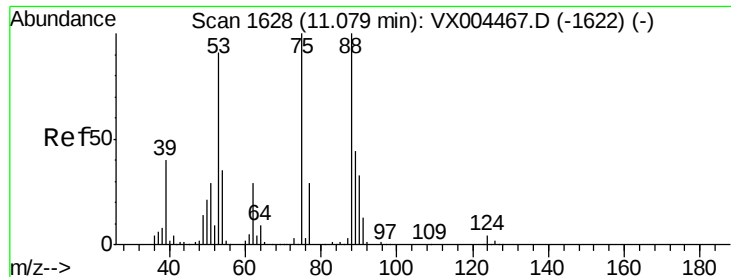
77 1.3 20.2 60.6#



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: 70.60 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004587.D

Acq: 15 Sep 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

PZ-4

Tot Ion: 75 Resp: 81804

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#

