

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102318\
 Data File : VX005529.D
 Acq On : 23 Oct 2018 18:53
 Operator : JC/MD
 Sample : J5646-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 24 01:16:22 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

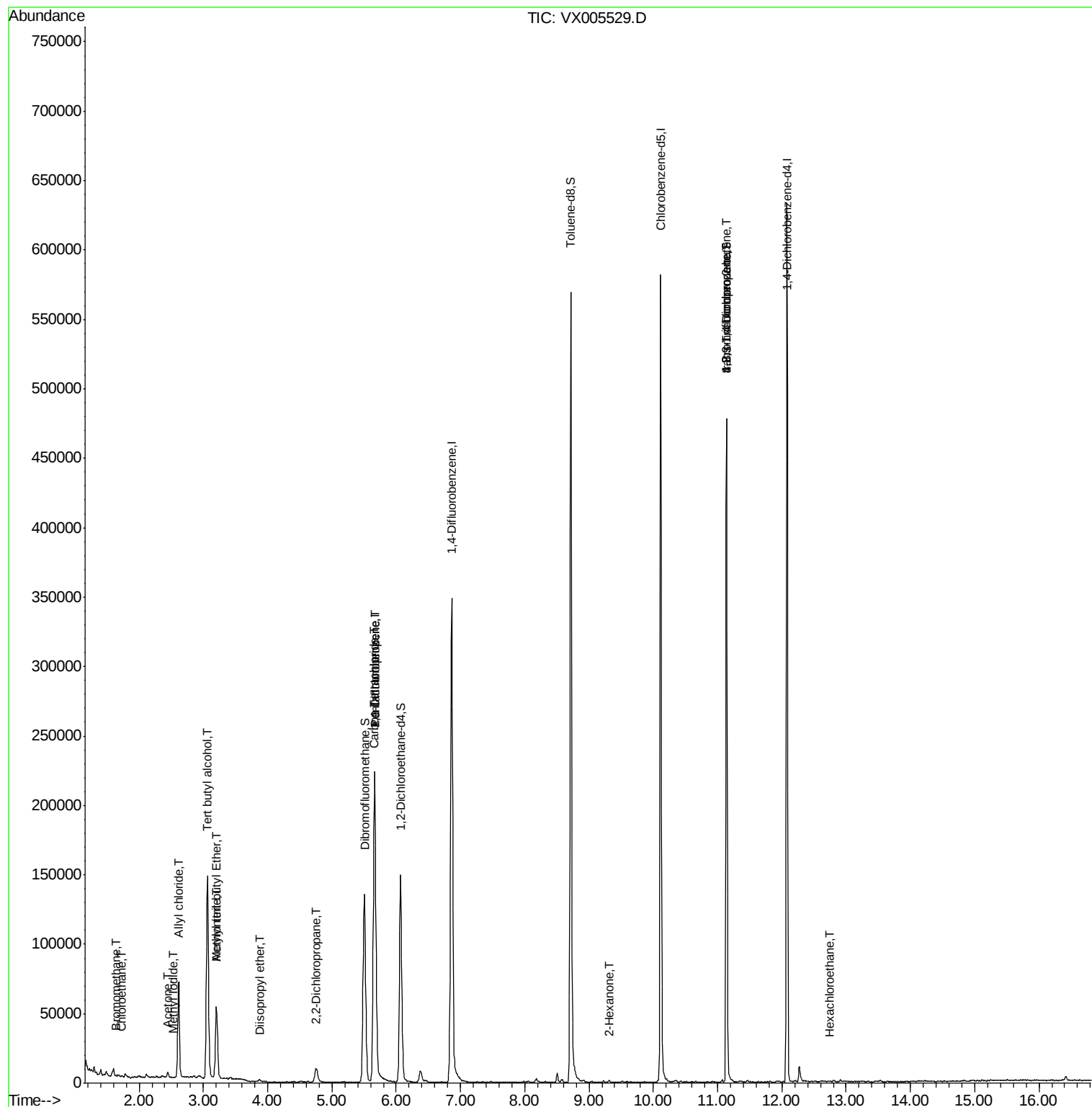
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	223922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	348354	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	274691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	129097	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	137849	55.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.94%	
35) Dibromofluoromethane	5.51	113	112390	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
50) Toluene-d8	8.72	98	367961	46.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.90%	
62) 4-Bromofluorobenzene	11.14	95	120227	40.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.80%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.65	94	179	0.706	ug/l	83
6) Chloroethane	1.73	64	131	0.413	ug/l #	44
10) Methyl Iodide	2.53	142	131	2.546	ug/l #	41
11) Tert butyl alcohol	3.06	59	175203	249.921	ug/l	99
13) Acrolein	2.30	56	171	Below Cal	#	16
14) Allyl chloride	2.61	41	6705	1.557	ug/l #	63
15) Acrylonitrile	3.20	53	1021	0.643	ug/l #	35
16) Acetone	2.45	43	3747	2.608	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	56503	8.180	ug/l	100
20) Methylene Chloride	2.85	84	297	Below Cal	#	76
22) Diisopropyl ether	3.87	45	1898	0.262	ug/l	96
26) 2,2-Dichloropropane	4.74	77	937	0.302	ug/l #	52
36) 1,1-Dichloropropene	5.67	75	15802	4.684	ug/l #	49
38) Carbon Tetrachloride	5.65	117	19978	5.893	ug/l #	16
59) 2-Hexanone	9.32	43	848	0.263	ug/l	67
76) 1,2,3-Trichloropropane	11.14	75	60731	24.252	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	60731	73.691	ug/l #	10
90) Hexachloroethane	12.76	117	255	0.208	ug/l #	3

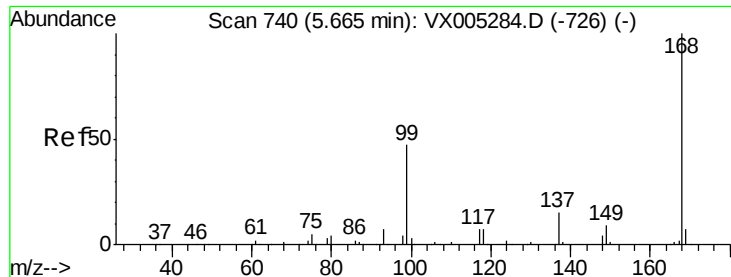
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX005529.D

Acq: 23 Oct 2018 18:53

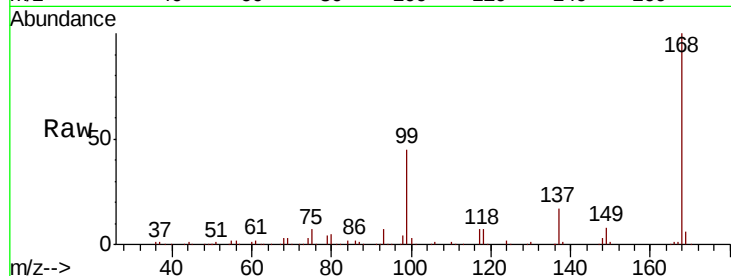
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 223922

Ion Ratio Lower Upper

168 100

99 45.3 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

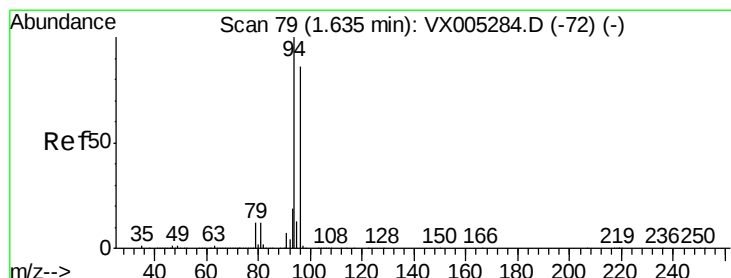
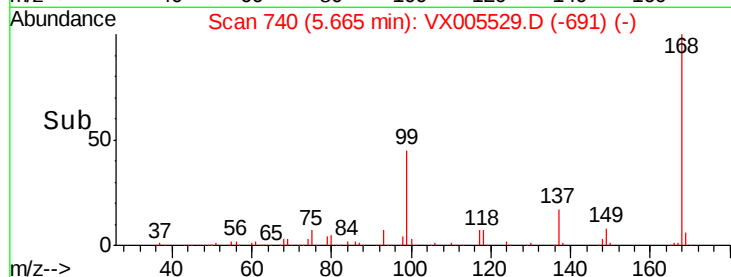
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.706 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX005529.D

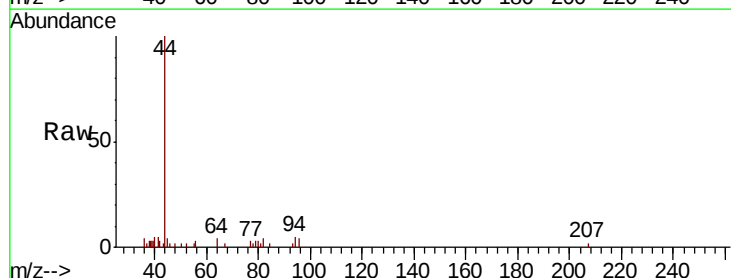
Acq: 23 Oct 2018 18:53

Tgt Ion: 94 Resp: 179

Ion Ratio Lower Upper

94 100

96 76.4 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

150

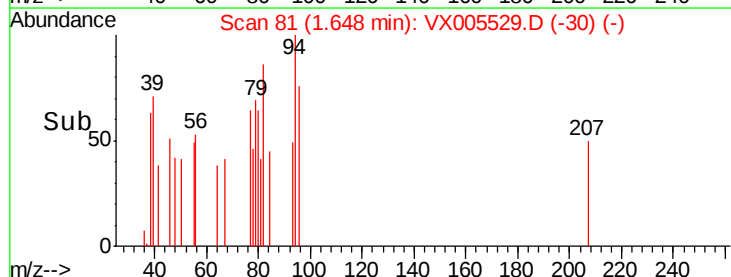
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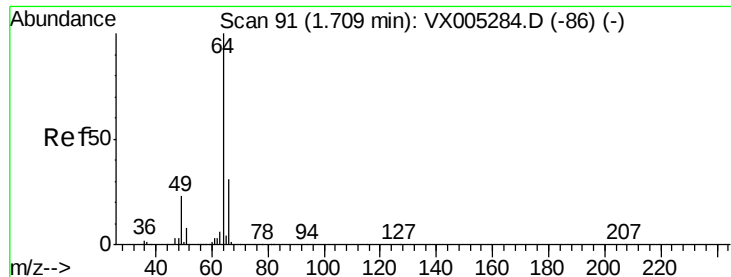
50

0

Time-->

1.62 1.64 1.66





#6

Chloroethane

Concen: 0.413 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.02 min

Lab File: VX005529.D

Acq: 23 Oct 2018 18:53

Instrument :

MSVOA_X

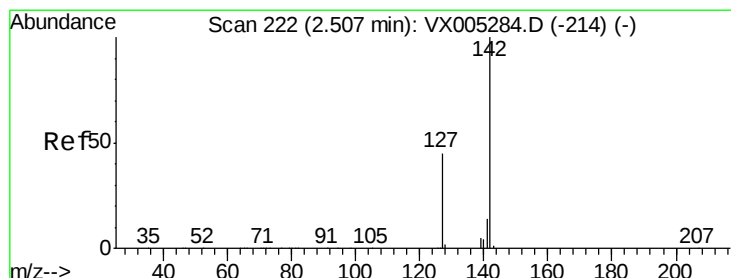
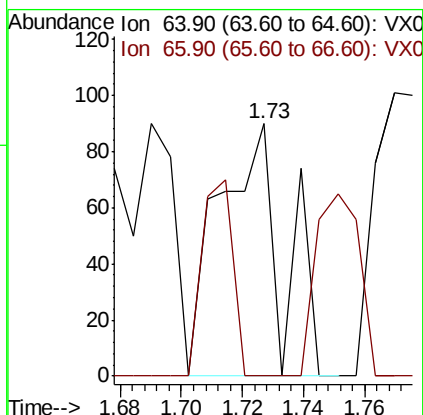
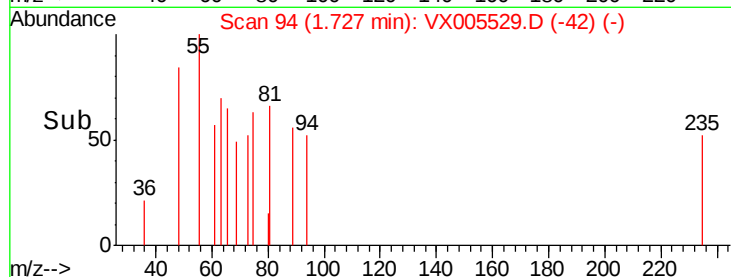
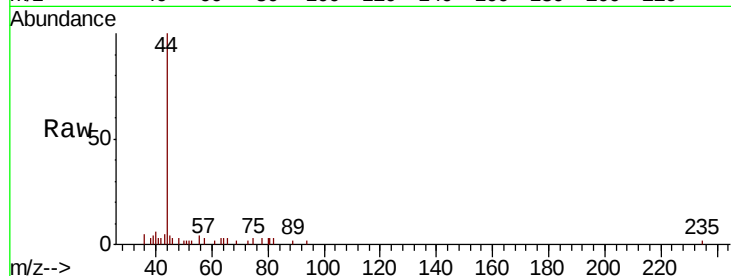
ClientSampleId :

Tot Ion: 64 Resp: 131

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



#10

Methyl Iodide

Concen: 2.546 ug/l

RT: 2.53 min Scan# 225

Delta R.T. 0.02 min

Lab File: VX005529.D

Acq: 23 Oct 2018 18:53

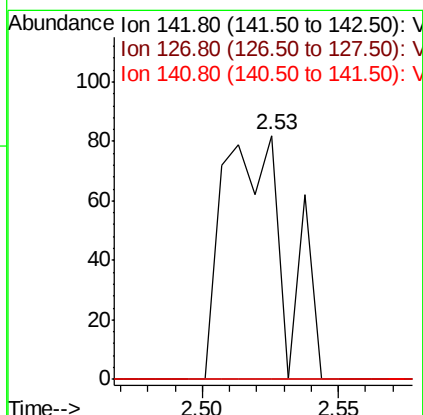
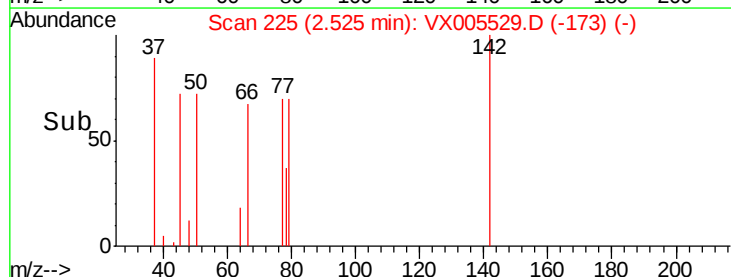
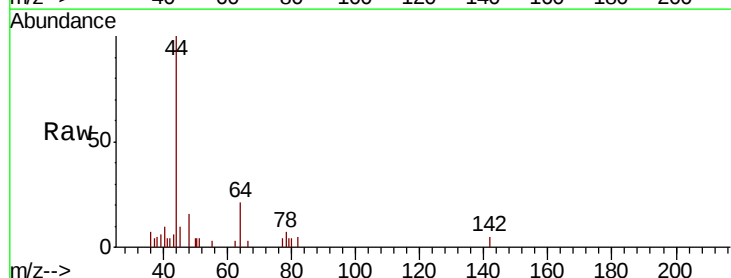
Tgt Ion: 142 Resp: 131

Ion Ratio Lower Upper

142 100

127 0.0 33.8 50.6#

141 0.0 11.4 17.0#



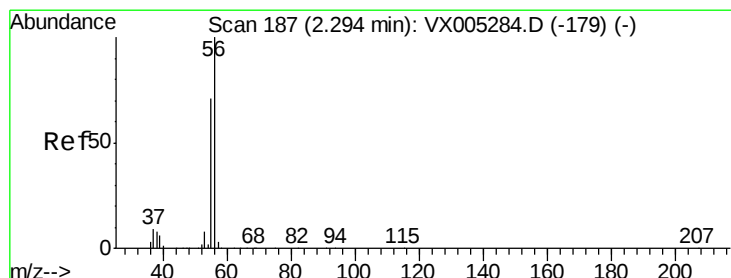
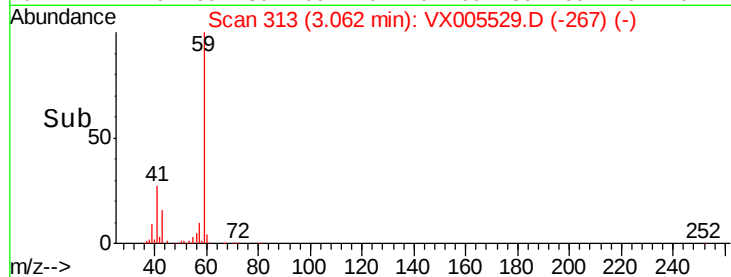
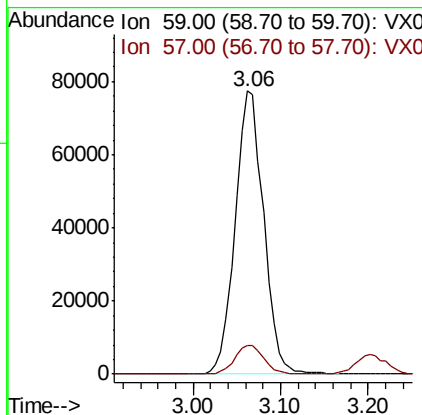
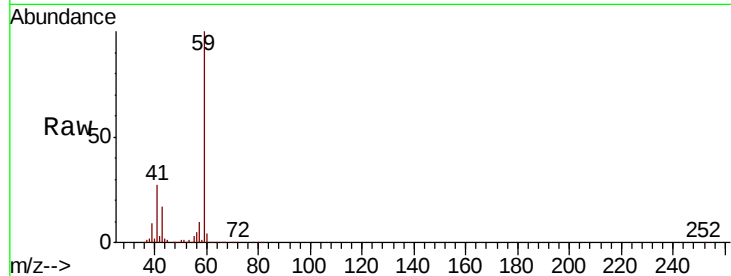


#11

Tert butyl alcohol
Concen: 249.921 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX005529.D
Acq: 23 Oct 2018 18:53

Instrument :
MSVOA_X
ClientSampled :

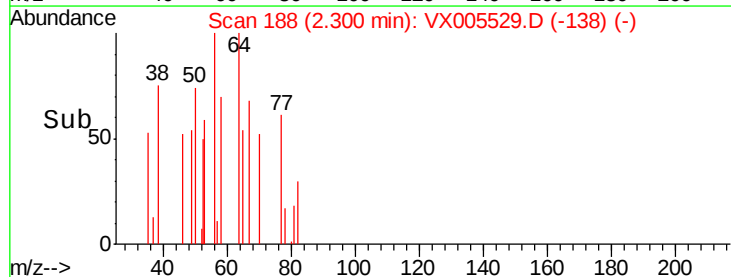
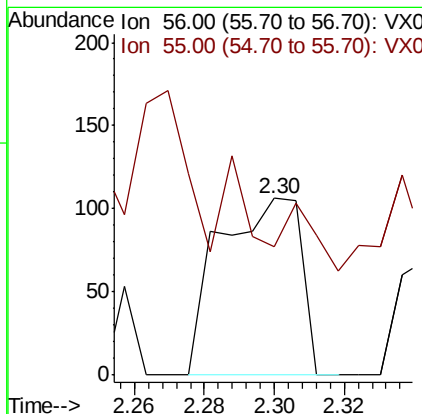
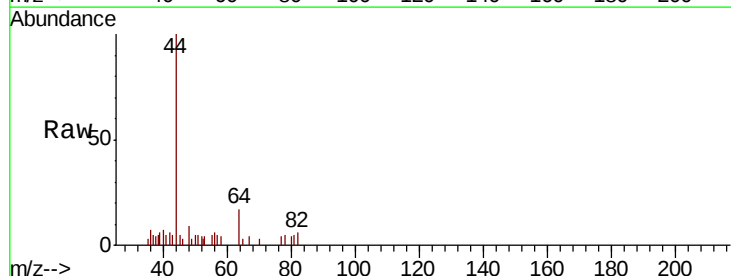
Tot Ion: 59 Resp: 175203
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.4

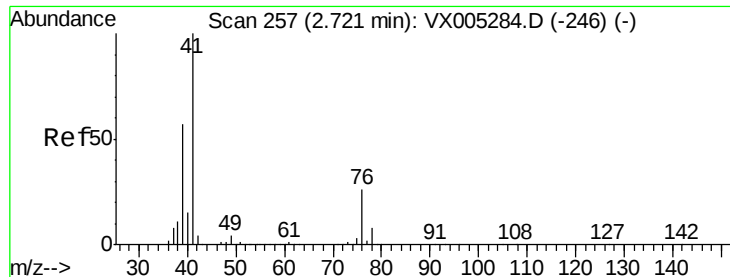


#13

Acrolein
Concen: Below Cal
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX005529.D
Acq: 23 Oct 2018 18:53

Tgt Ion: 56 Resp: 171
Ion Ratio Lower Upper
56 100
55 0.0 54.7 82.1#

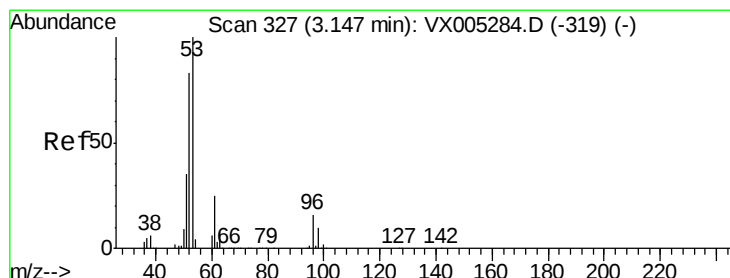
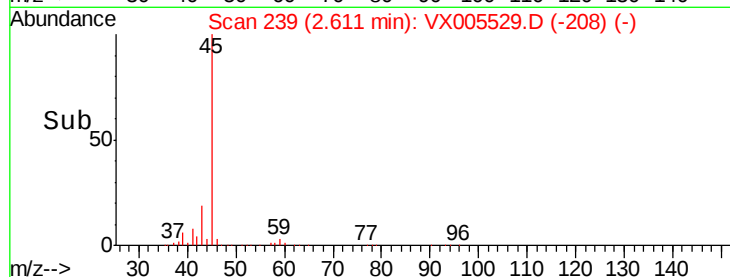
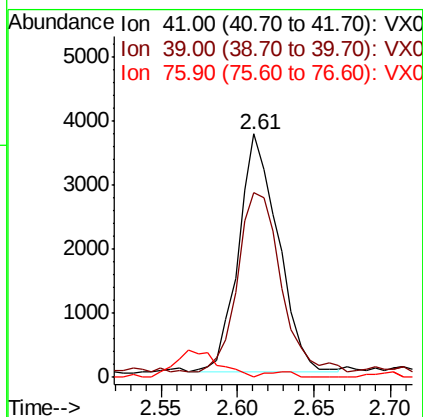
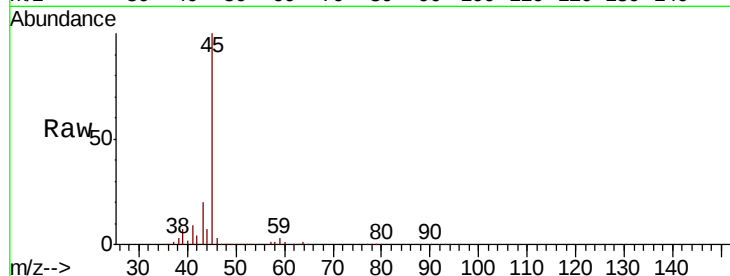




#14
Allvl chloride
Concen: 1.557 ug/l
RT: 2.61 min Scan# 239
Delta R.T. -0.11 min
Lab File: VX005529.D
Acq: 23 Oct 2018 18:53

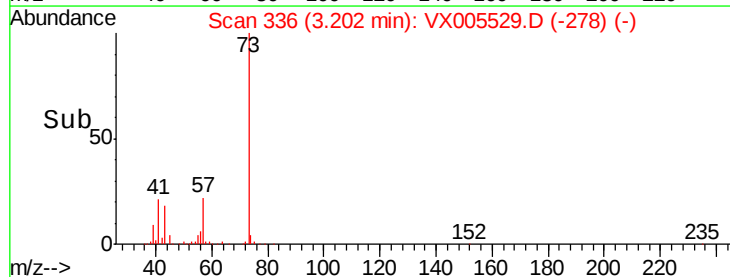
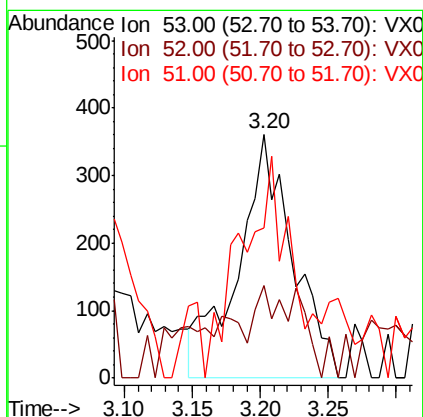
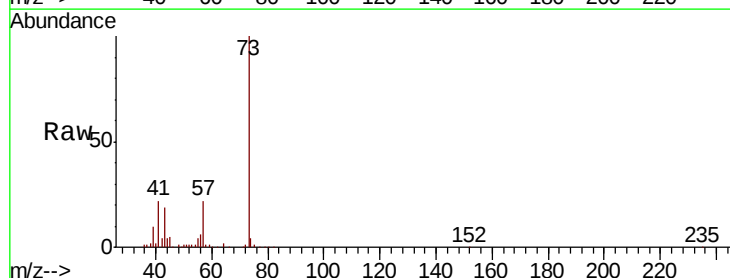
Instrument :
MSVOA_X
ClientSampleId :

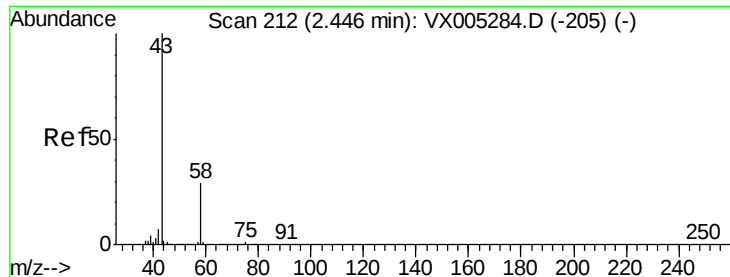
Tot Ion: 41 Resp: 6705
Ion Ratio Lower Upper
41 100
39 80.9 48.9 73.3#
76 1.6 26.7 40.1#



#15
Acrylonitrile
Concen: 0.643 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.05 min
Lab File: VX005529.D
Acq: 23 Oct 2018 18:53

Tgt Ion: 53 Resp: 1021
Ion Ratio Lower Upper
53 100
52 12.8 65.2 97.8#
51 56.2 28.2 42.2#

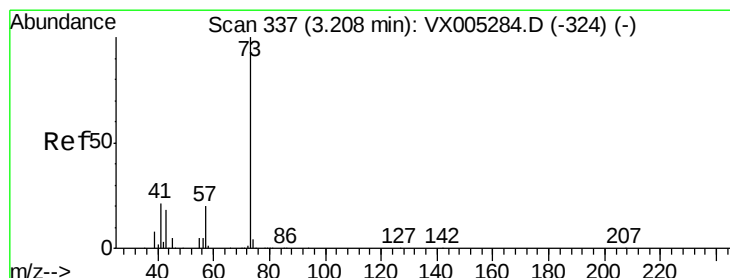
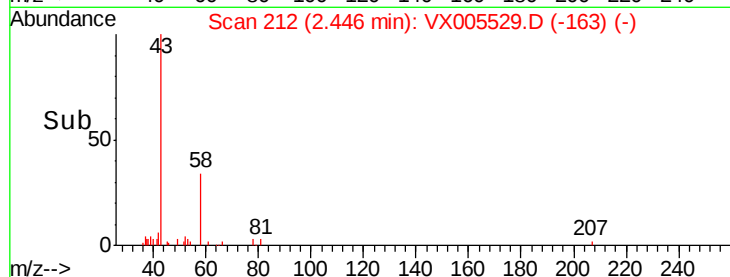
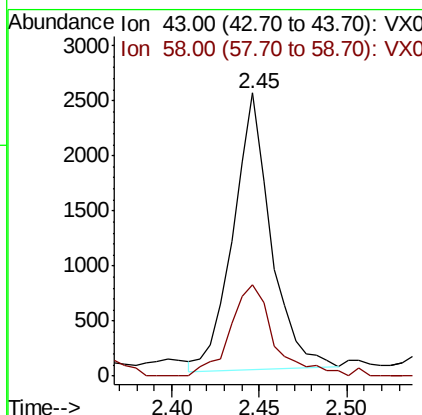
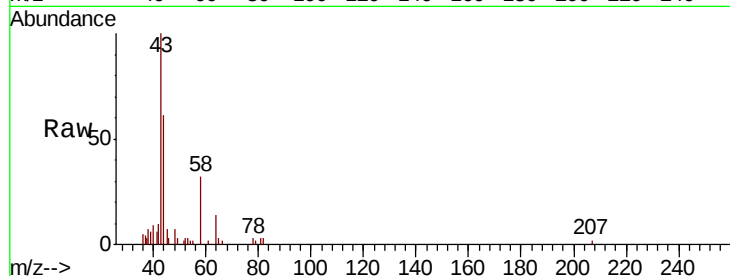




#16
Acetone
Concen: 2.608 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX005529.D
Acq: 23 Oct 2018 18:53

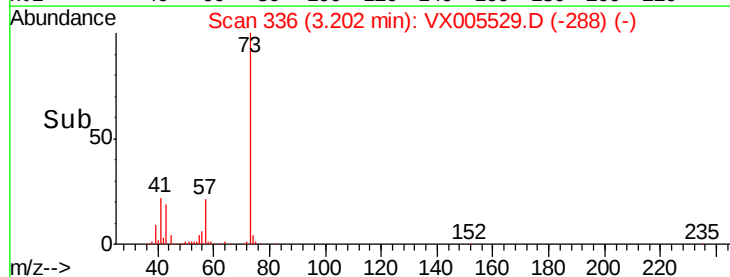
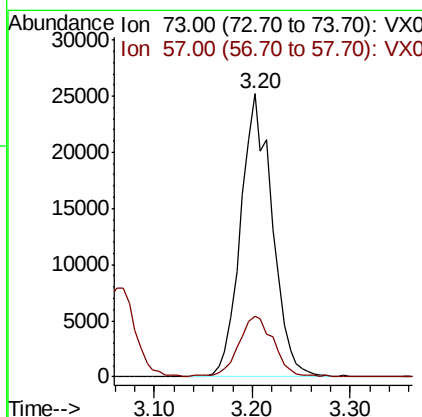
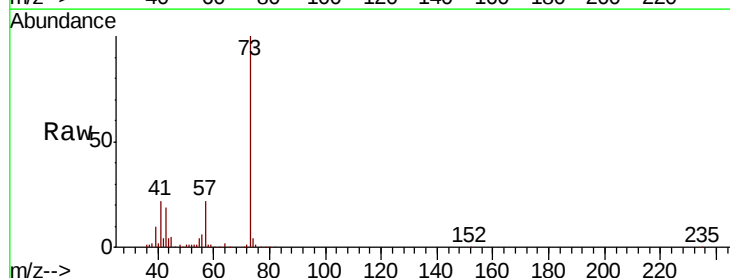
Instrument :
MSVOA_X
ClientSampleId :

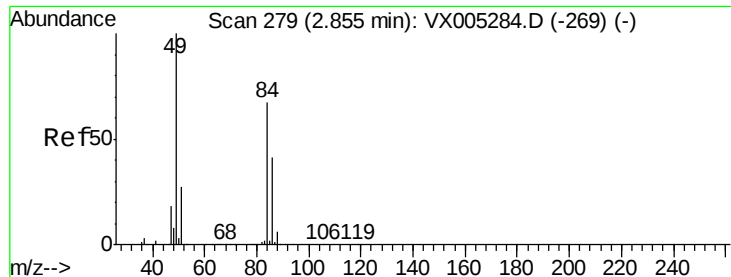
Tot Ion: 43 Resp: 3747
Ion Ratio Lower Upper
43 100
58 33.4 26.2 39.4



#19
Methyl tert-butyl Ether
Concen: 8.180 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX005529.D
Acq: 23 Oct 2018 18:53

Tgt Ion: 73 Resp: 56503
Ion Ratio Lower Upper
73 100
57 21.3 17.1 25.7

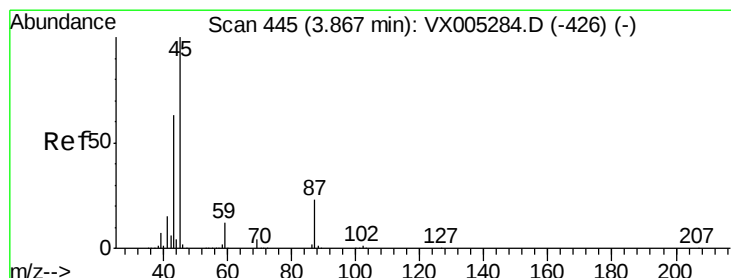
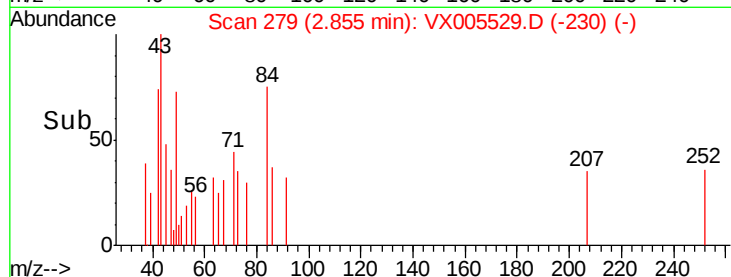
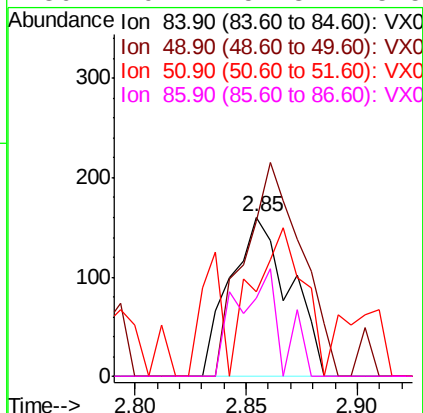
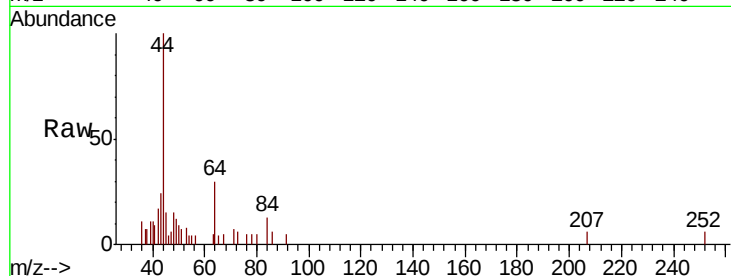




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005529.D
Acq: 23 Oct 2018 18:53

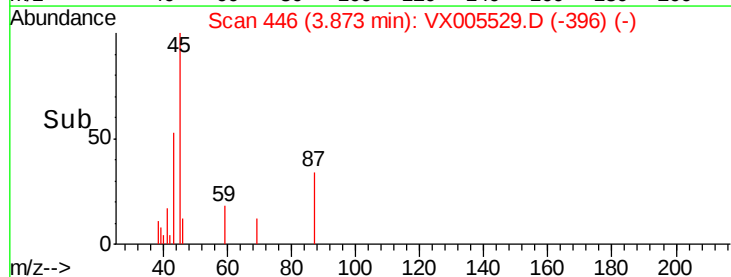
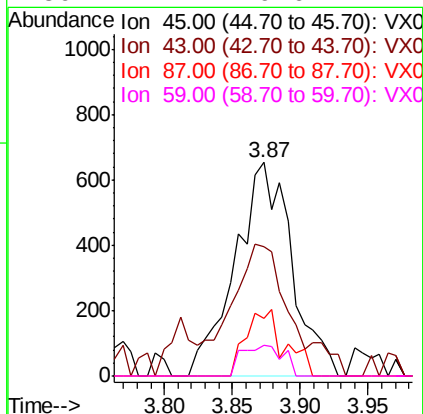
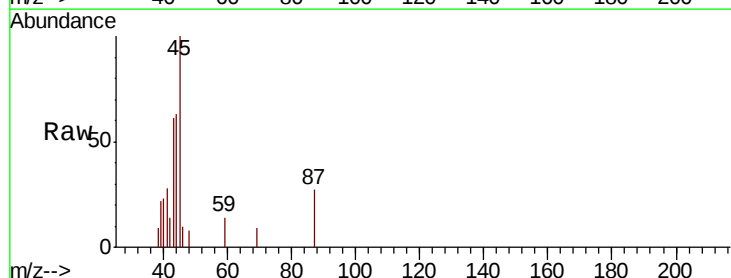
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MSVOA_X
ClientSampleId :

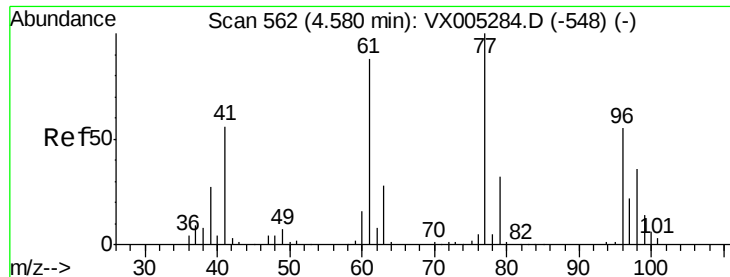
Tot Ion: 84 Resp: 297
Ion Ratio Lower Upper
84 100
49 97.5 101.2 151.8#
51 53.8 29.5 44.3#
86 49.4 52.3 78.5#



#22
Diisopropyl ether
Concen: 0.262 ug/l
RT: 3.87 min Scan# 446
Delta R.T. 0.01 min
Lab File: VX005529.D
Acq: 23 Oct 2018 18:53

Tgt Ion: 45 Resp: 1898
Ion Ratio Lower Upper
45 100
43 50.5 42.8 64.2
87 27.2 22.6 34.0
59 14.4 9.6 14.4





#26

2,2-Dichloropropane

Concen: 0.302 ug/l

RT: 4.74 min Scan# 589

Delta R.T. 0.16 min

Lab File: VX005529.D

Acq: 23 Oct 2018 18:53

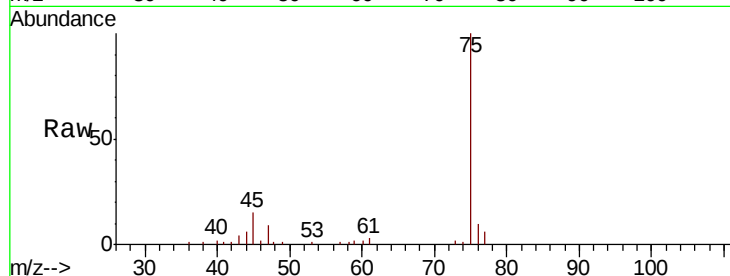
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 77 Resp: 937

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

4.74

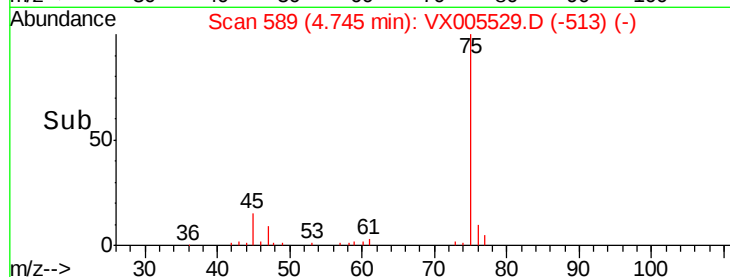
300

200

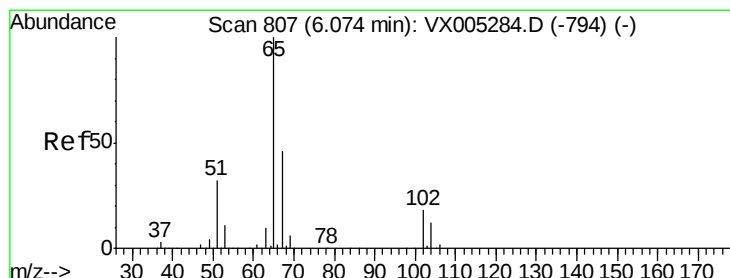
100

0

4.65 4.70 4.75 4.80 4.85



Time-->



#33

1,2-Dichloroethane-d4

Concen: 55.468 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005529.D

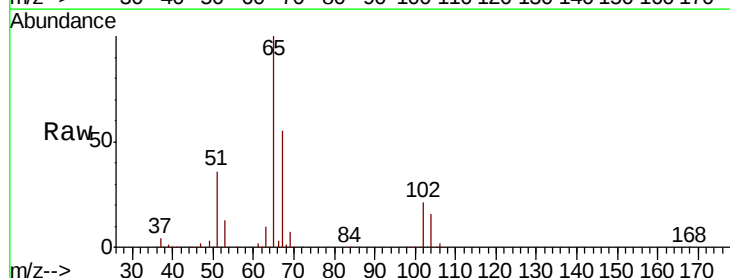
Acq: 23 Oct 2018 18:53

Tgt Ion: 65 Resp: 137849

Ion Ratio Lower Upper

65 100

67 54.7 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

60000

50000

40000

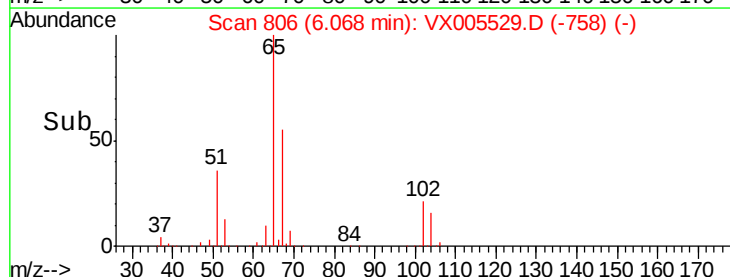
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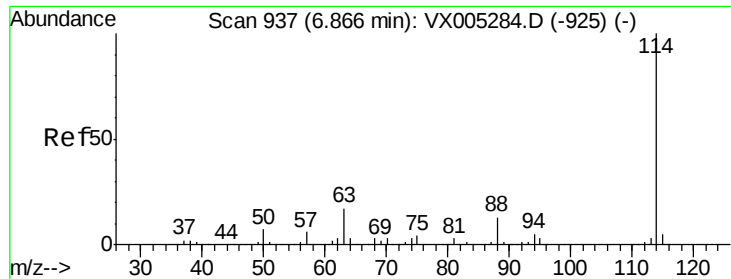
10000

0

5.90 6.00 6.10 6.20



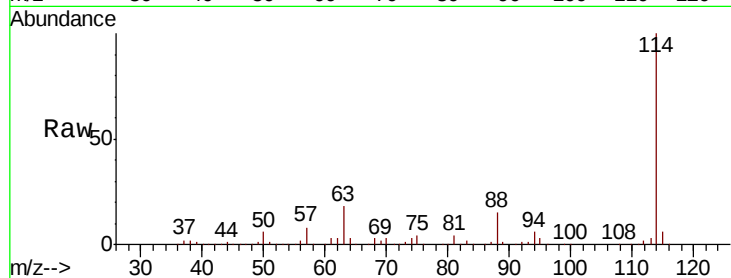
Time-->



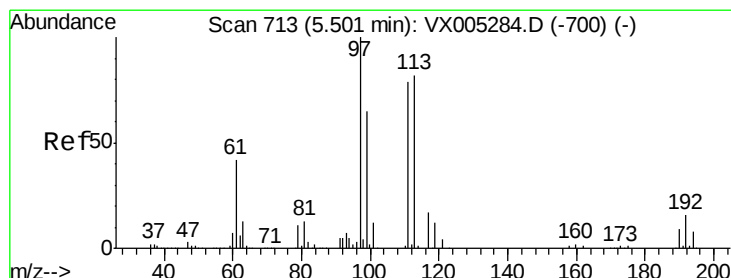
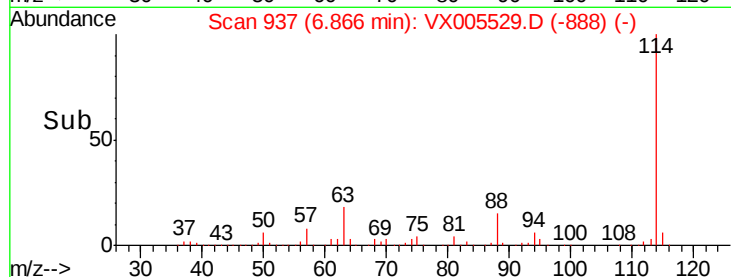
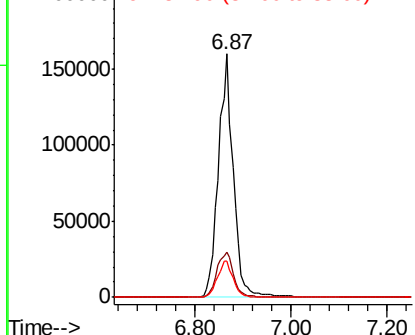
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.87 min Scan# 937
Delta R.T. -0.00 min
Lab File: VX005529.D
Acq: 23 Oct 2018 18:53

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:114 Resp: 348354
Ion Ratio Lower Upper
114 100
63 18.5 0.0 39.0
88 14.9 0.0 30.4

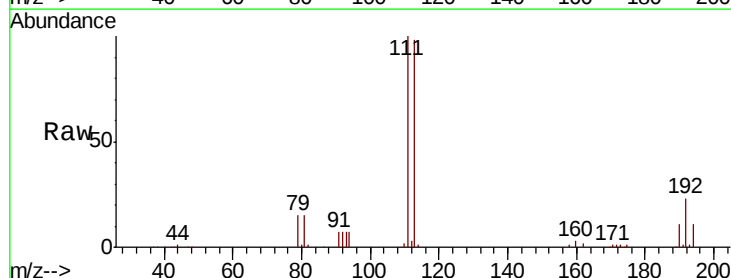


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

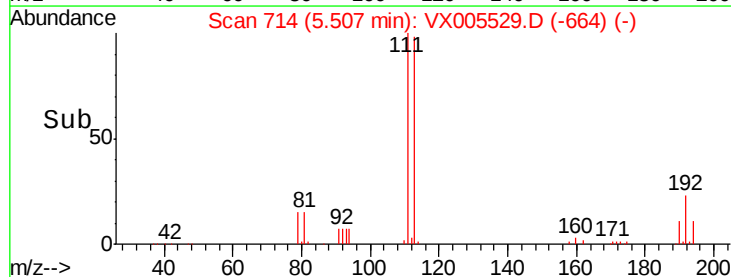
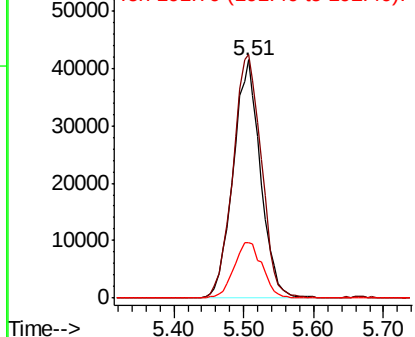


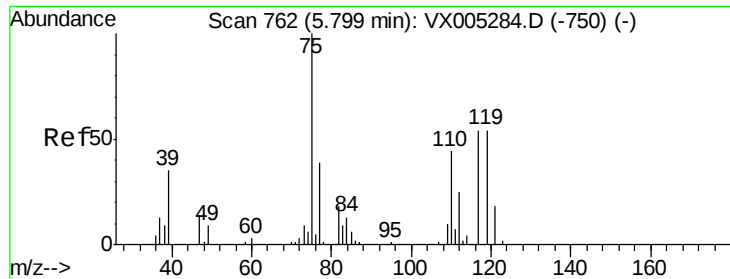
#35
Dibromofluoromethane
Concen: 48.712 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX005529.D
Acq: 23 Oct 2018 18:53

Tgt Ion:113 Resp: 112390
Ion Ratio Lower Upper
113 100
111 106.4 82.4 123.6
192 24.4 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: 4.684 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005529.D

Acq: 23 Oct 2018 18:53

Instrument :

MSVOA_X

ClientSampleId :

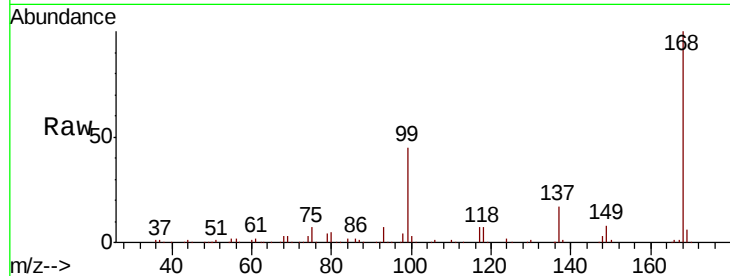
Tot Ion: 75 Resp: 15802

Ion Ratio Lower Upper

75 100

110 9.0 18.0 54.0#

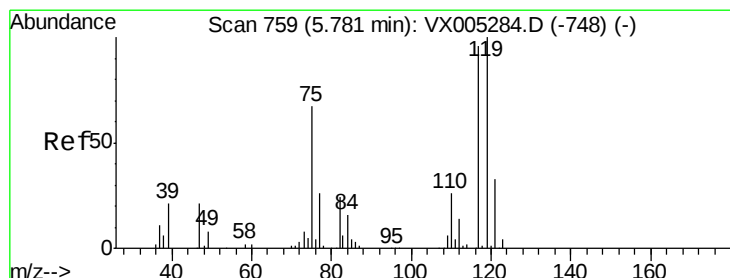
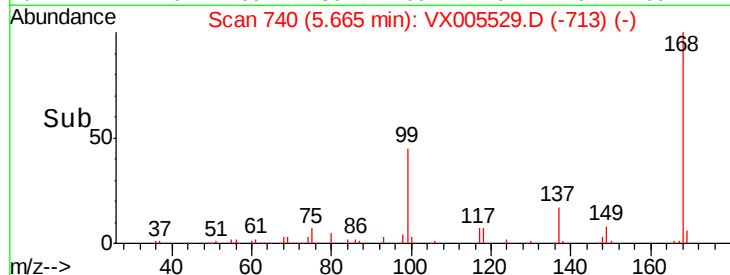
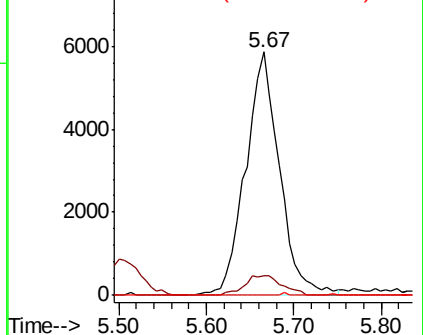
77 0.0 24.6 36.8#



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: 5.893 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX005529.D

Acq: 23 Oct 2018 18:53

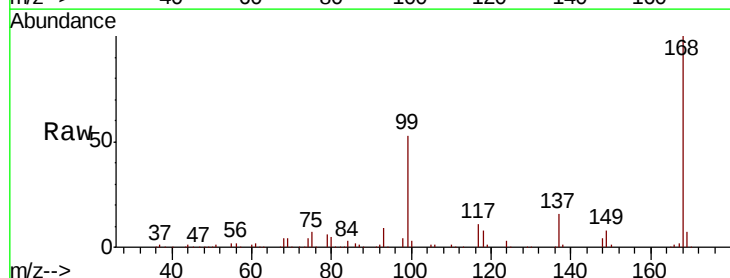
Tgt Ion: 117 Resp: 19978

Ion Ratio Lower Upper

117 100

119 6.9 78.8 118.2#

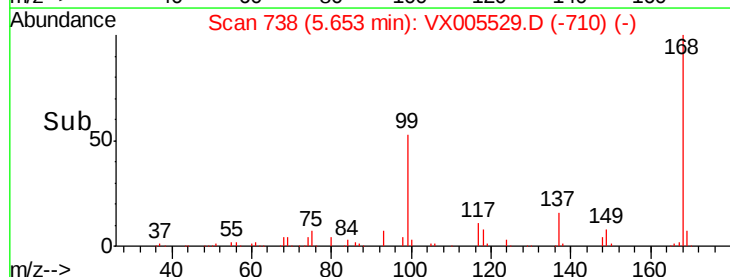
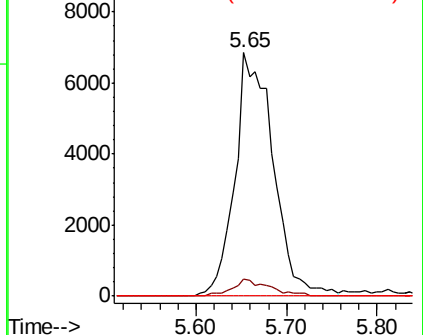
121 0.0 24.9 37.3#

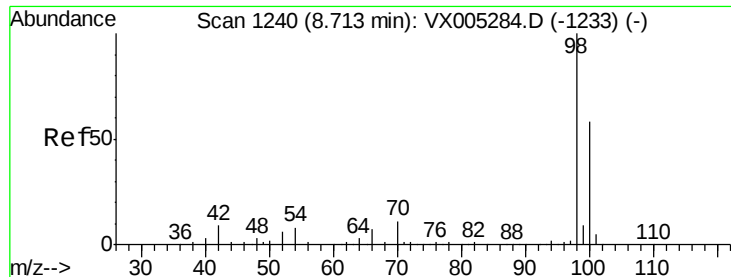


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

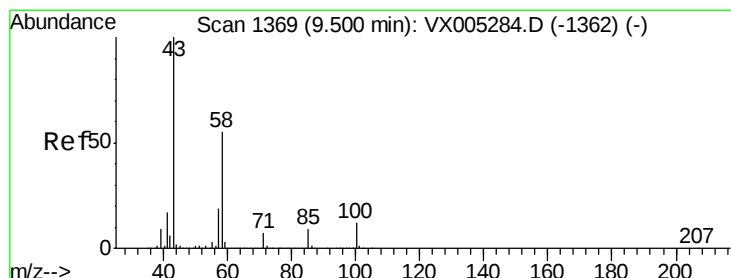
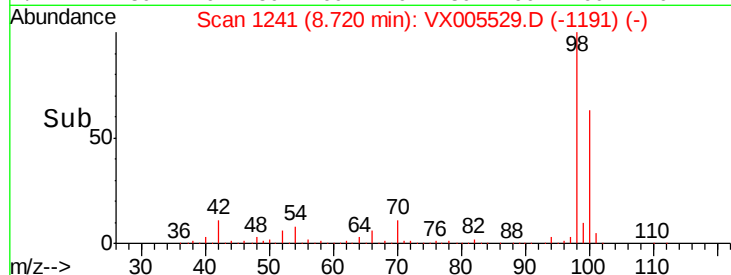
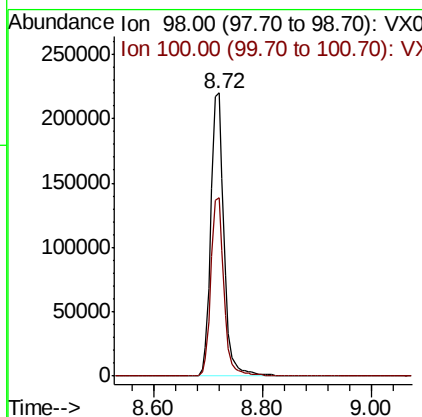
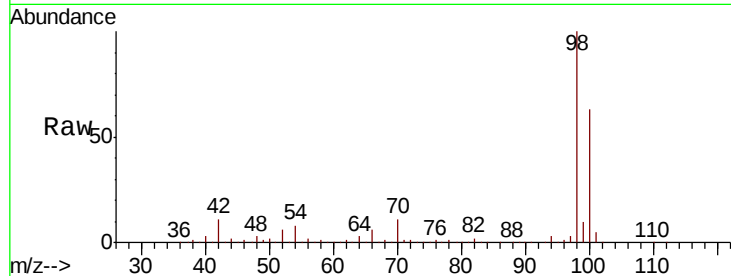




#50
Toluene-d8
Concen: 46.454 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX005529.D
Acq: 23 Oct 2018 18:53

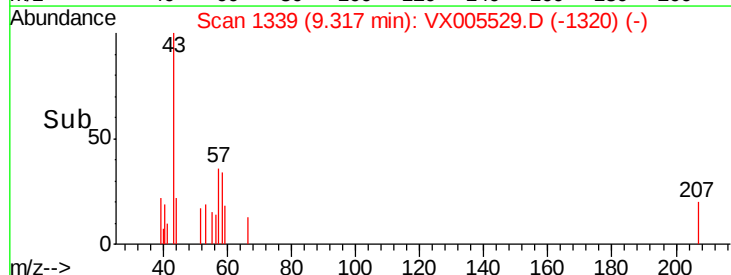
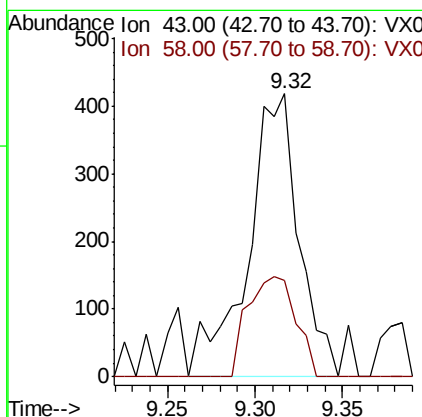
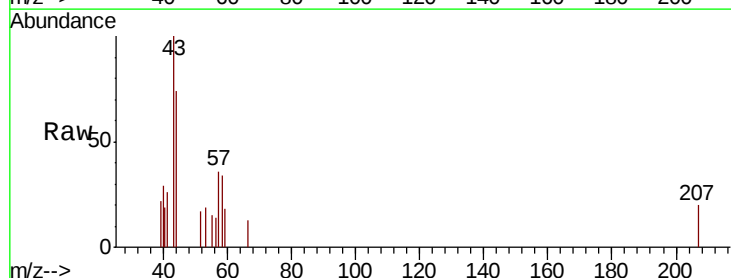
Instrument :
MSVOA_X
ClientSampled :

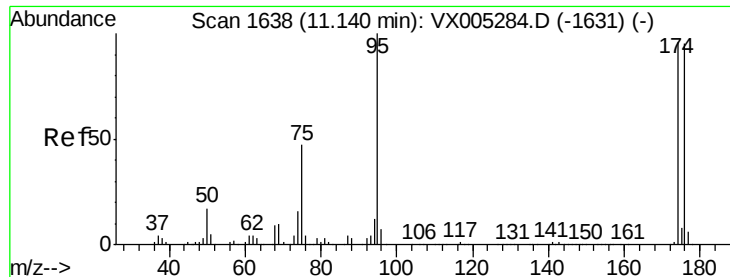
Tot Ion: 98 Resp: 367961
Ion Ratio Lower Upper
98 100
100 62.8 52.9 79.3



#59
2-Hexanone
Concen: 0.263 ug/l
RT: 9.32 min Scan# 1339
Delta R.T. -0.18 min
Lab File: VX005529.D
Acq: 23 Oct 2018 18:53

Tgt Ion: 43 Resp: 848
Ion Ratio Lower Upper
43 100
58 33.5 29.0 87.0





#62

4-Bromofluorobenzene

Concen: 40.404 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005529.D

Acq: 23 Oct 2018 18:53

Instrument :

MSVOA_X

ClientSampleId :

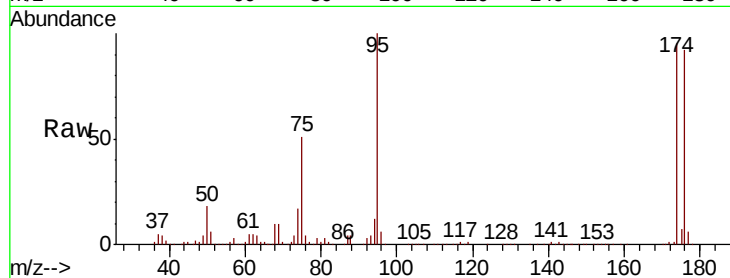
Tot Ion: 95 Resp: 120227

Ion Ratio Lower Upper

95 100

174 92.5 0.0 185.2

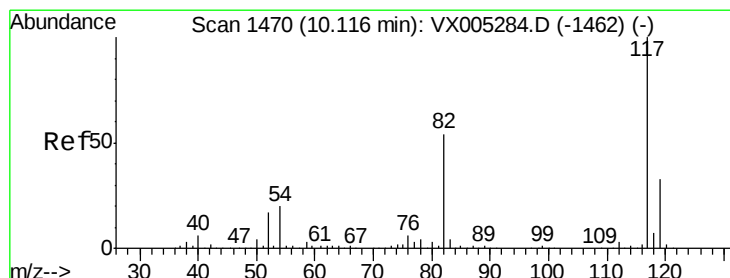
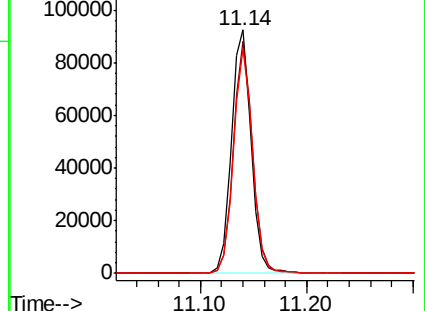
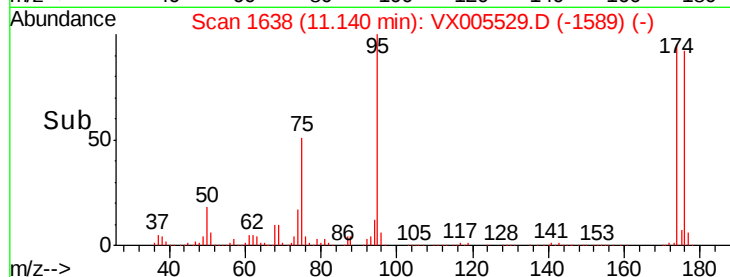
176 90.0 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX005529.D (-1589) (-)

Ion 173.80 (173.50 to 174.50): VX005529.D (-1589) (-)

Ion 175.80 (175.50 to 176.50): VX005529.D (-1589) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005529.D

Acq: 23 Oct 2018 18:53

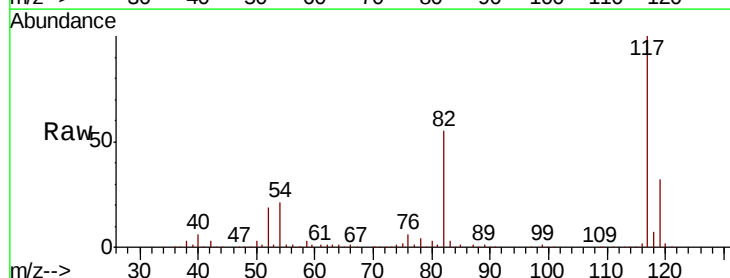
Tgt Ion: 117 Resp: 274691

Ion Ratio Lower Upper

117 100

82 54.6 47.8 71.6

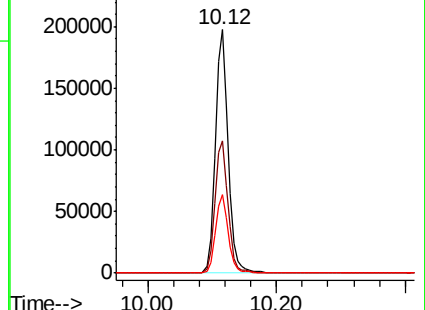
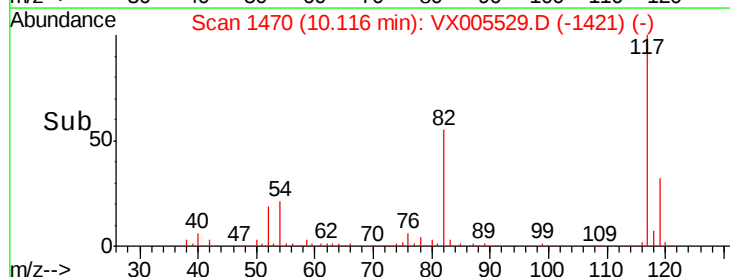
119 32.2 29.3 43.9

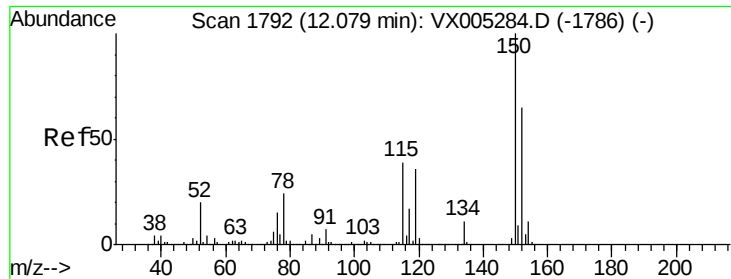


Abundance Ion 116.90 (116.60 to 117.60): VX005529.D (-1421) (-)

Ion 82.00 (81.70 to 82.70): VX005529.D (-1421) (-)

Ion 118.90 (118.60 to 119.60): VX005529.D (-1421) (-)



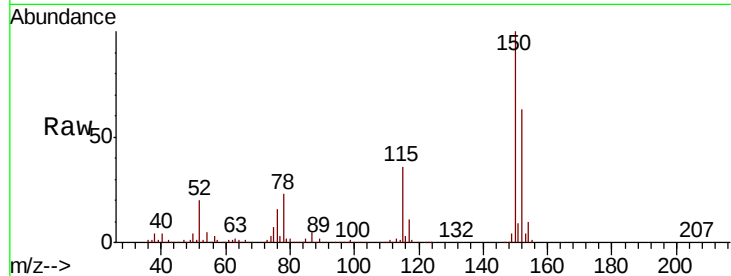


#72

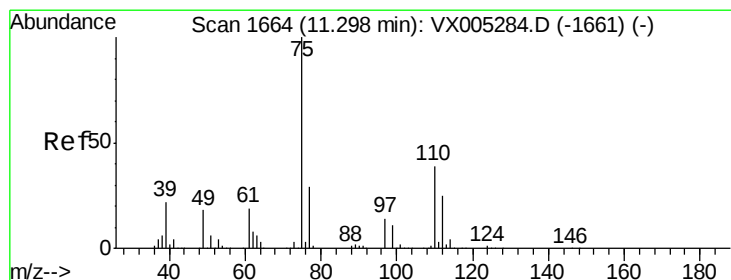
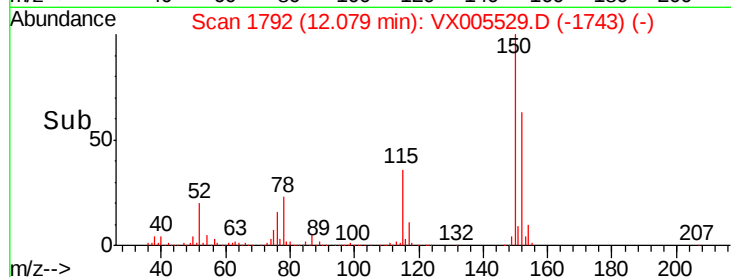
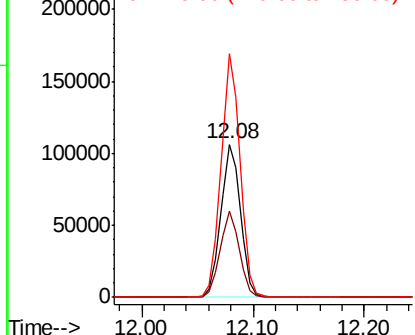
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005529.D
Acq: 23 Oct 2018 18:53

Instrument :
MSVOA_X
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.6	39.0	117.0
150	155.4	0.0	351.0



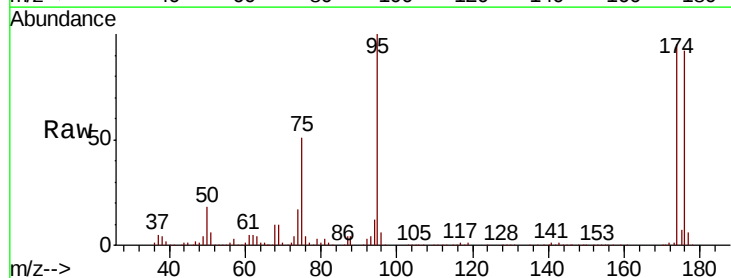
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



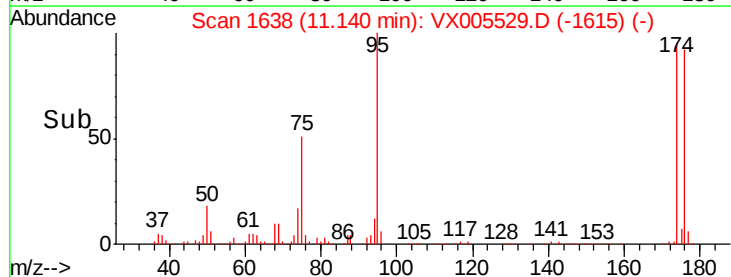
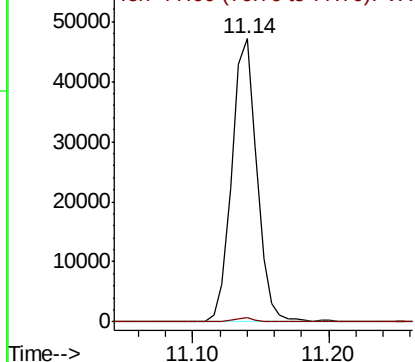
#76

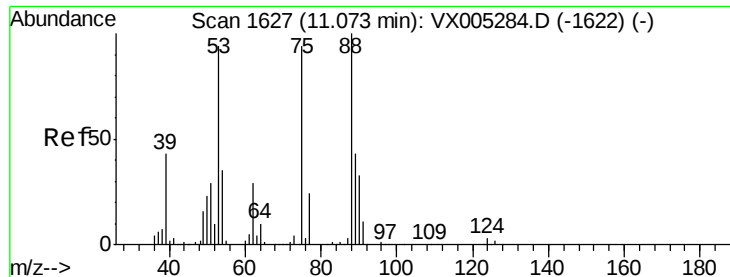
1,2,3-Trichloropropane
Concen: 24.252 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.16 min
Lab File: VX005529.D
Acq: 23 Oct 2018 18:53

Tgt 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: 73.691 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005529.D

Acq: 23 Oct 2018 18:53

Instrument :

MSVOA_X

ClientSampleId :

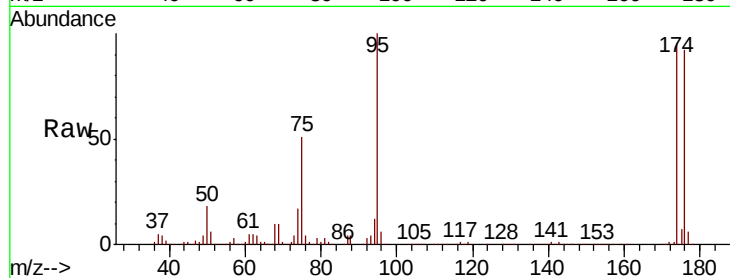
Tot Ion: 75 Resp: 60731

Ion Ratio Lower Upper

75 100

53 0.4 80.1 120.1#

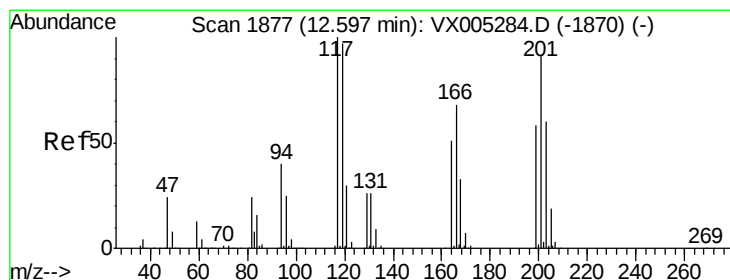
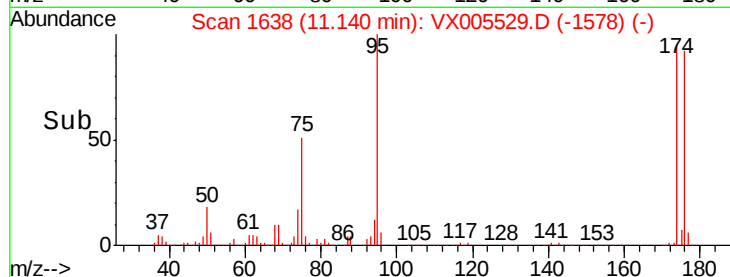
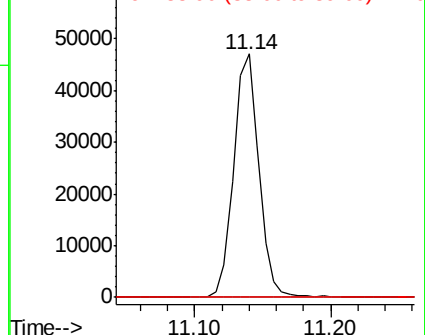
89 0.0 37.2 55.8#



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



#90

Hexachloroethane

Concen: 0.208 ug/l

RT: 12.76 min Scan# 1903

Delta R.T. 0.16 min

Lab File: VX005529.D

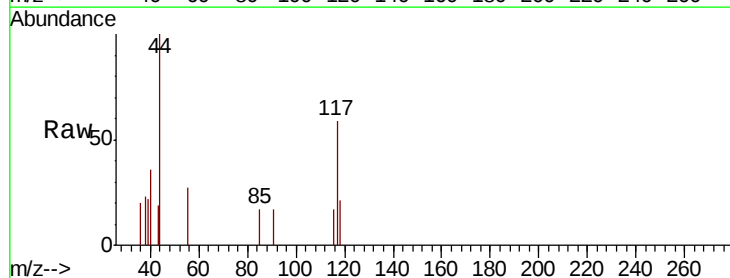
Acq: 23 Oct 2018 18:53

Tgt Ion: 117 Resp: 255

Ion Ratio Lower Upper

117 100

201 0.0 46.9 140.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

