

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101518\
 Data File : VX005332.D
 Acq On : 15 Oct 2018 10:09
 Operator : JC/MD
 Sample : J5459-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 16 03:17:30 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	293891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	405498	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	360510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	174509	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	163660	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	
35) Dibromofluoromethane	5.50	113	132461	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
50) Toluene-d8	8.71	98	479943	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	
62) 4-Bromofluorobenzene	11.14	95	157356	45.43	ug/l	0.00
Spiked Amount			Recovery	=	90.86%	

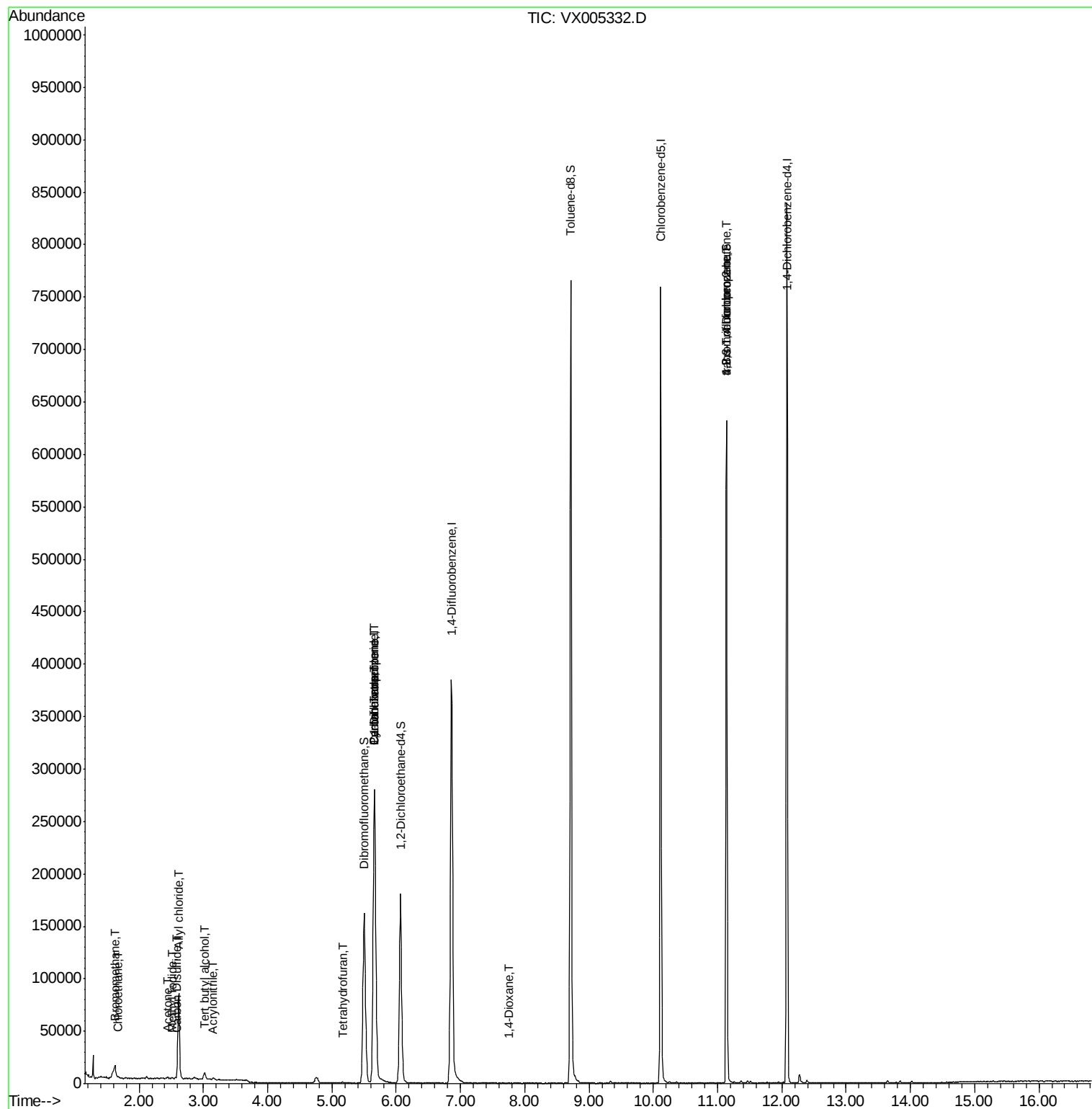
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	926	1.065	ug/l	91
6) Chloroethane	1.67	64	108	0.384	ug/l #	44
10) Methyl Iodide	2.51	142	933	2.800	ug/l #	87
11) Tert butyl alcohol	3.02	59	4119	4.477	ug/l #	77
13) Acrolein	2.28	56	109	Below Cal	#	1
14) Allyl chloride	2.62	41	8295	1.468	ug/l #	64
15) Acrylonitrile	3.14	53	748	0.359	ug/l #	84
16) Acetone	2.44	43	2242	1.189	ug/l	94
17) Carbon Disulfide	2.57	76	1639	0.210	ug/l	97
20) Methylene Chloride	2.86	84	658	Below Cal	#	66
29) Tetrahydrofuran	5.16	42	533	0.303	ug/l #	88
31) Cyclohexane	5.65	56	5025	1.121	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	18957	4.827	ug/l #	49
38) Carbon Tetrachloride	5.67	117	25832	6.546	ug/l #	17
44) Trichloroethene	7.22	130	296	Below Cal		78
49) 1,4-Dioxane	7.76	88	54	0.671	ug/l #	4
76) 1,2,3-Trichloropropane	11.14	75	77940	23.025	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	77940	69.962	ug/l #	10

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

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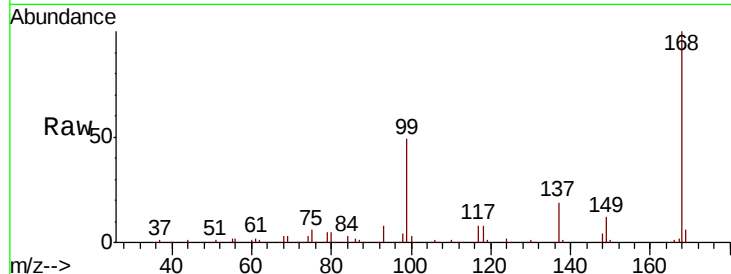




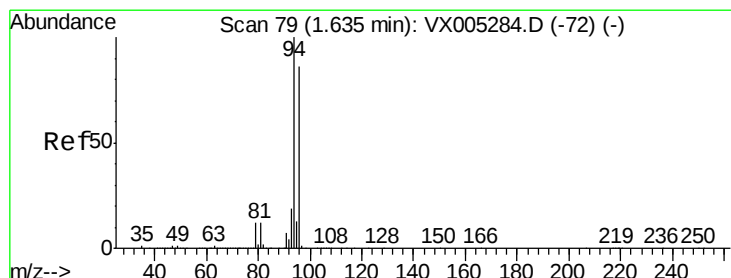
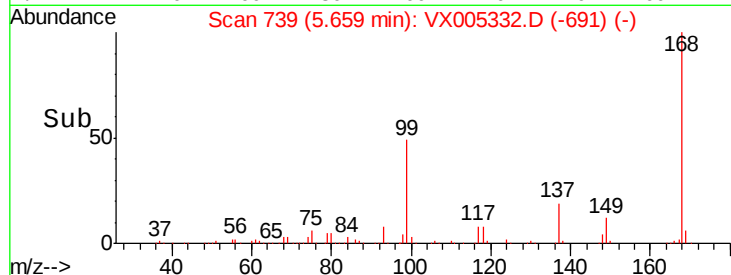
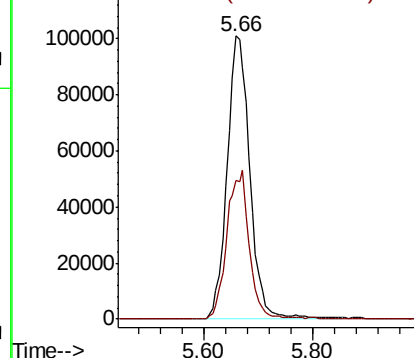
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX005332.D
Acq: 15 Oct 2018 10:09

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 293891
Ion Ratio Lower Upper
168 100
99 49.1 39.9 59.9

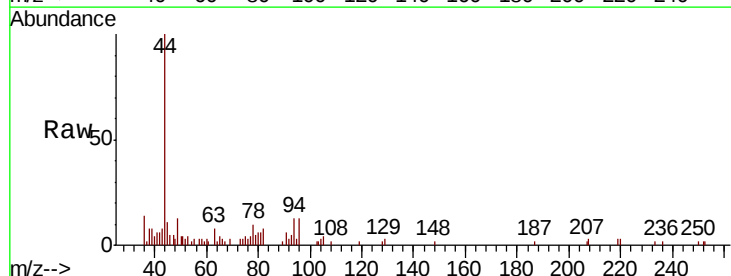


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VX0

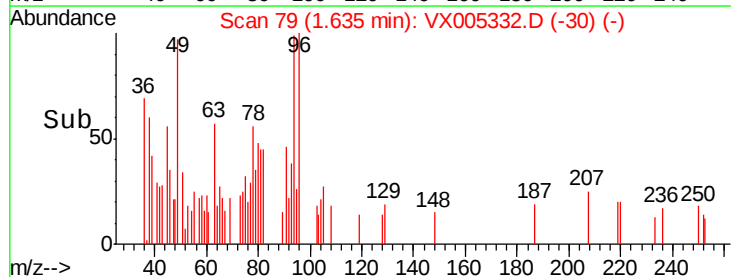
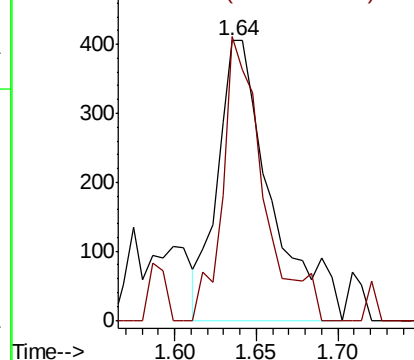


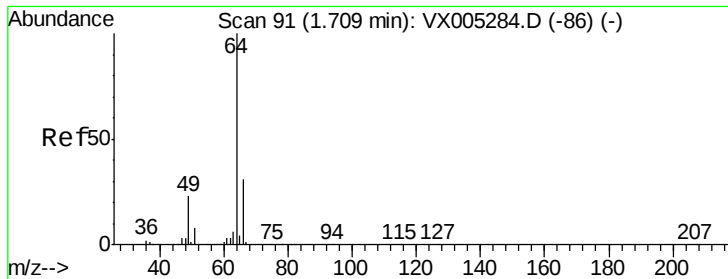
#5
Bromomethane
Concen: 1.065 ug/l
RT: 1.64 min Scan# 79
Delta R.T. 0.00 min
Lab File: VX005332.D
Acq: 15 Oct 2018 10:09

Tgt Ion: 94 Resp: 926
Ion Ratio Lower Upper
94 100
96 101.5 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0
Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.384 ug/l

RT: 1.67 min Scan# 84

Delta R.T. -0.04 min

Lab File: VX005332.D

Acq: 15 Oct 2018 10:09

Instrument :

MSVOA_X

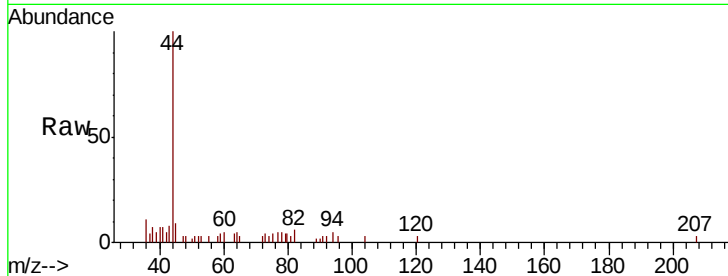
ClientSampled :

Tot Ion: 64 Resp: 108

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

150

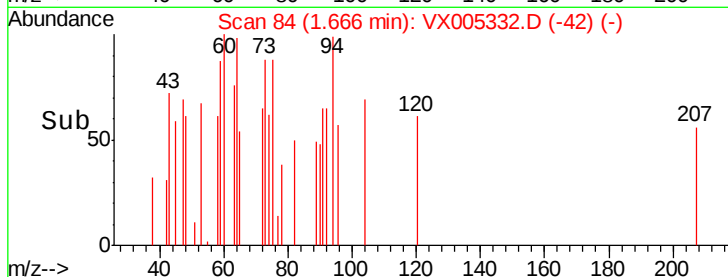
100

50

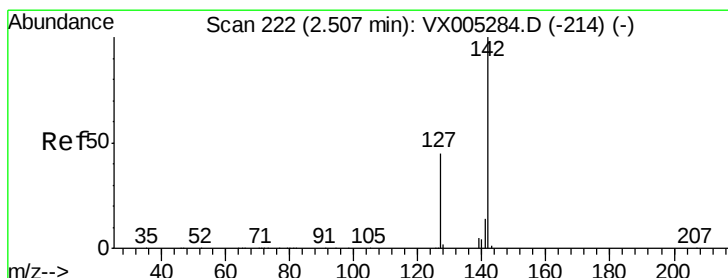
0

1.64 1.66 1.68

1.67



Time-->



#10

Methyl Iodide

Concen: 2.800 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005332.D

Acq: 15 Oct 2018 10:09

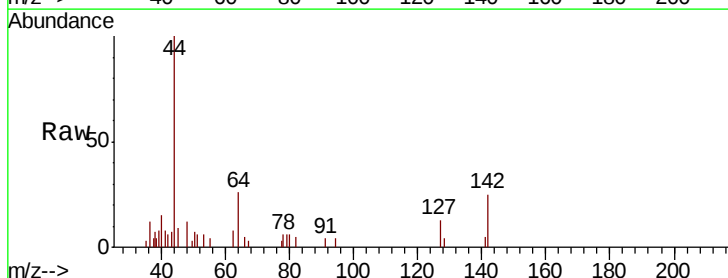
Tgt Ion: 142 Resp: 933

Ion Ratio Lower Upper

142 100

127 48.4 33.8 50.6

141 5.3 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

500

400

300

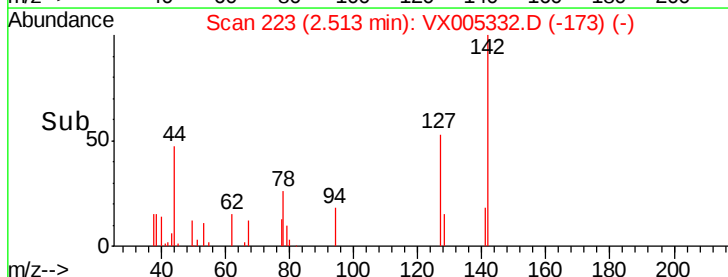
200

100

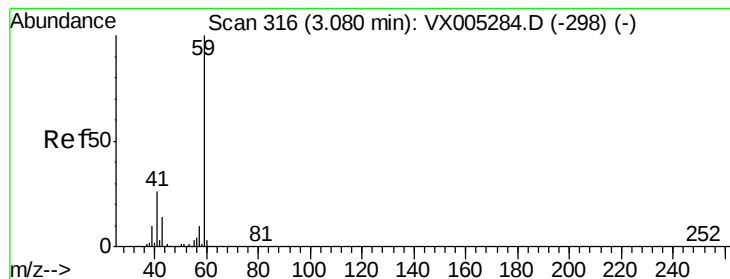
0

2.45 2.50 2.55

2.51



Time-->

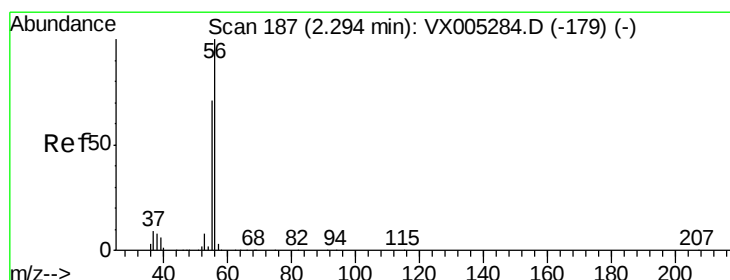
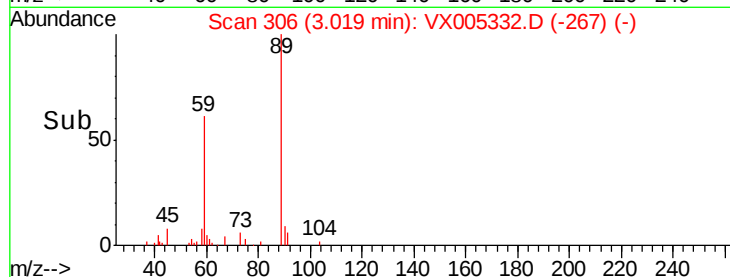
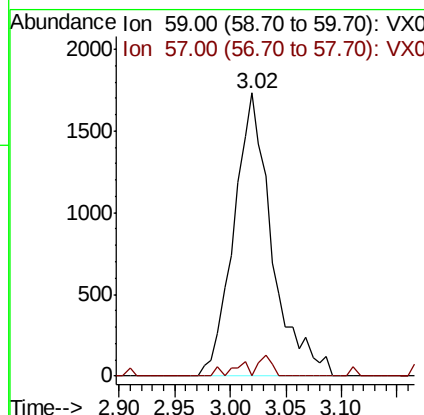
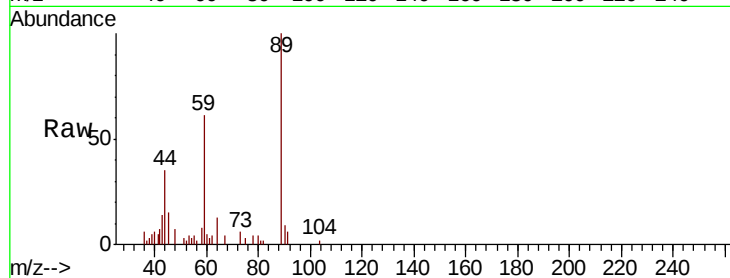


#11

Tert butyl alcohol
Concen: 4.477 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX005332.D
Acq: 15 Oct 2018 10:09

Instrument :
MSVOA_X
ClientSampleId :

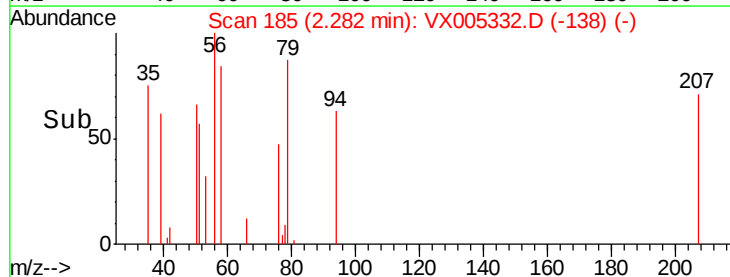
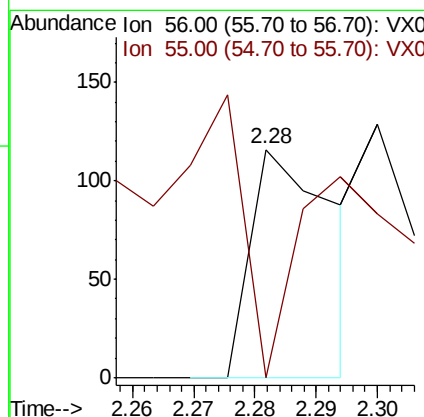
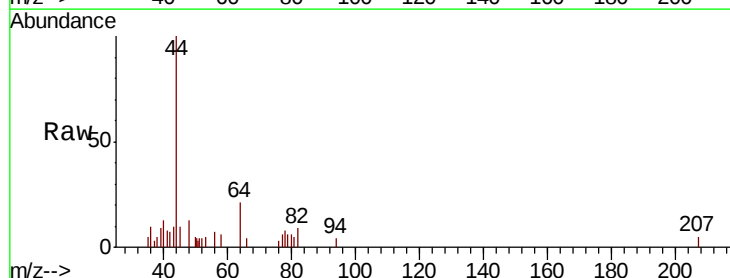
Tot Ion: 59 Resp: 4119
Ion Ratio Lower Upper
59 100
57 1.7 8.2 12.4#

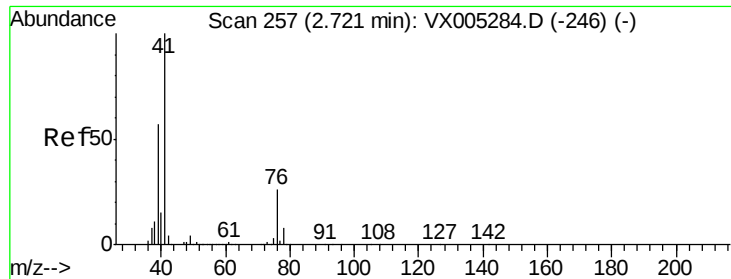


#13

Acrolein
Concen: Below Cal
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX005332.D
Acq: 15 Oct 2018 10:09

Tgt Ion: 56 Resp: 109
Ion Ratio Lower Upper
56 100
55 237.6 54.7 82.1#

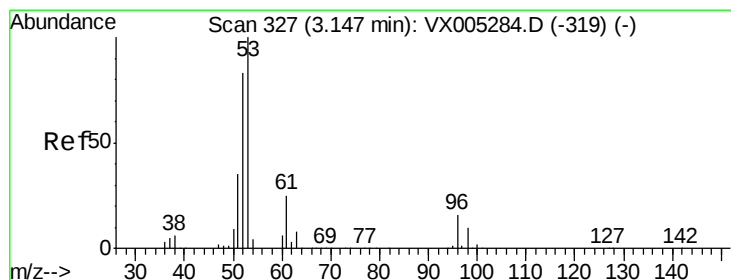
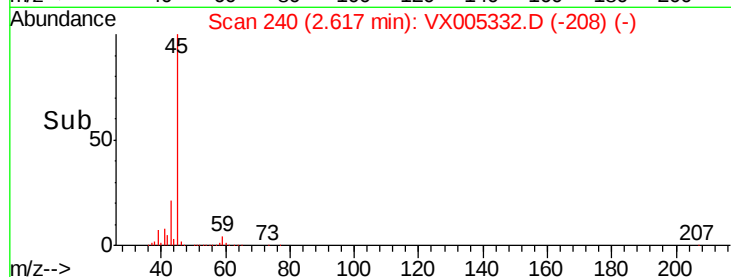
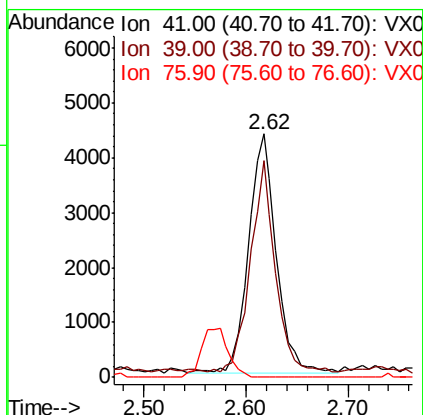
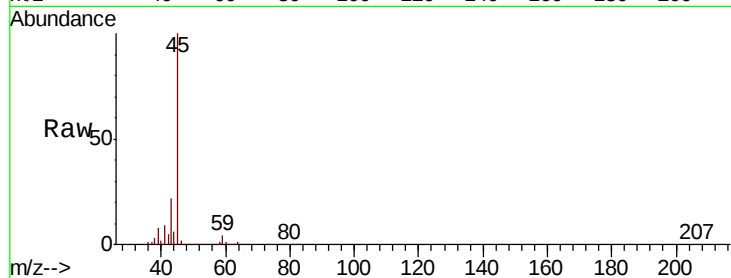




#14
Allvl chloride
Concen: 1.468 ug/l
RT: 2.62 min Scan# 240
Delta R.T. -0.10 min
Lab File: VX005332.D
Acq: 15 Oct 2018 10:09

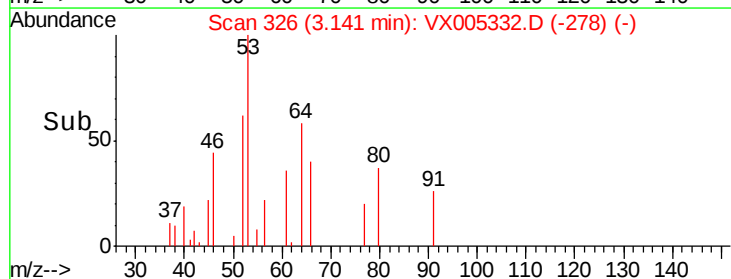
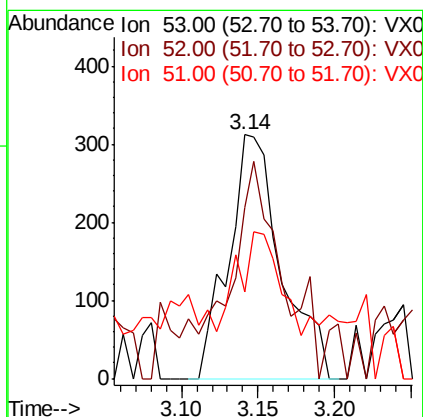
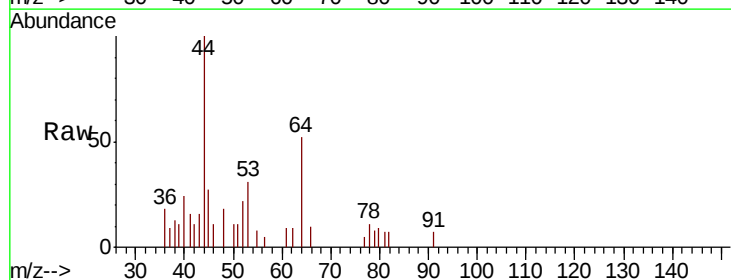
Instrument :
MSVOA_X
ClientSampleId :

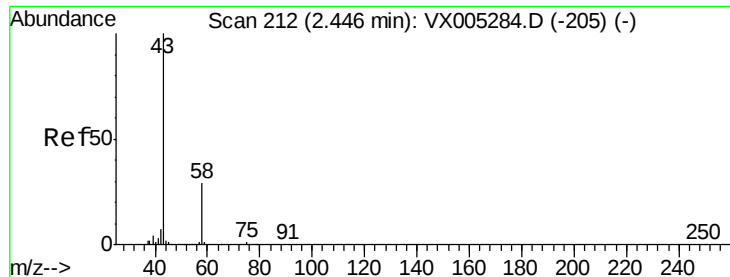
Tot Ion: 41 Resp: 8295
Ion Ratio Lower Upper
41 100
39 79.0 48.9 73.3#
76 0.0 26.7 40.1#



#15
Acrylonitrile
Concen: 0.359 ug/l
RT: 3.14 min Scan# 326
Delta R.T. -0.01 min
Lab File: VX005332.D
Acq: 15 Oct 2018 10:09

Tgt Ion: 53 Resp: 748
Ion Ratio Lower Upper
53 100
52 62.2 65.2 97.8#
51 34.5 28.2 42.2





#16

Acetone

Concen: 1.189 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005332.D

Acq: 15 Oct 2018 10:09

Instrument :

MSVOA_X

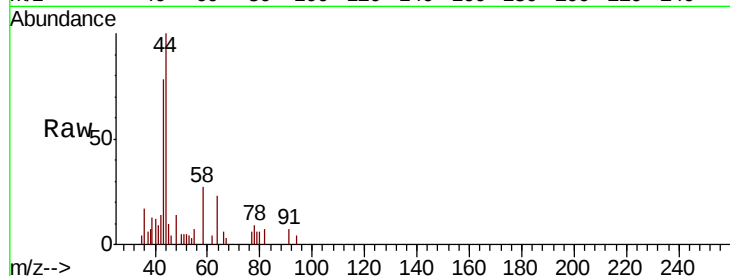
ClientSampled :

Tot Ion: 43 Resp: 2242

Ion Ratio Lower Upper

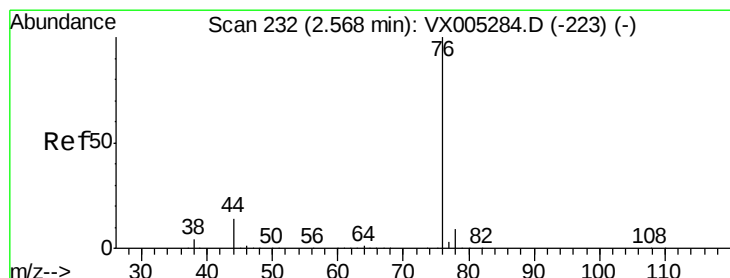
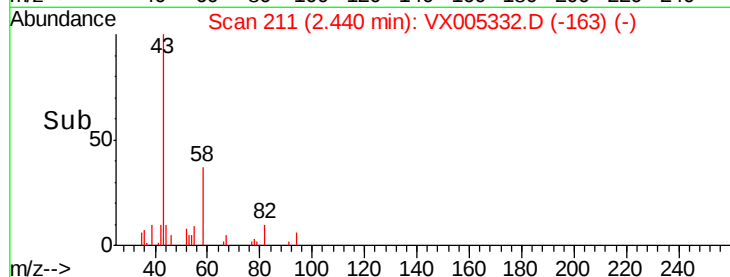
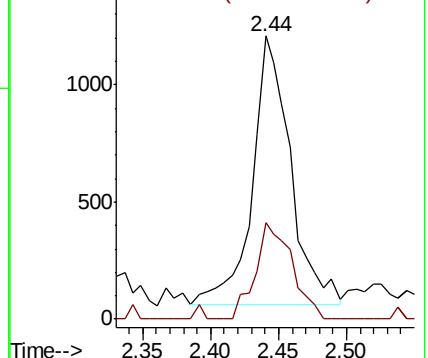
43 100

58 36.0 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.210 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX005332.D

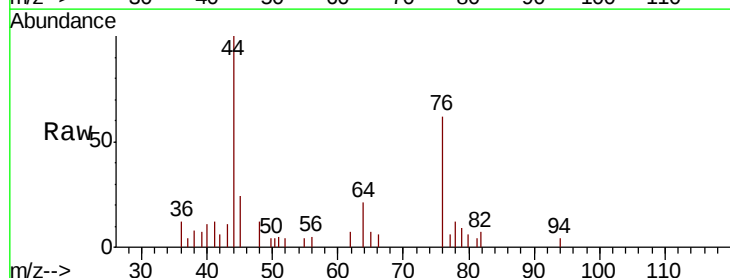
Acq: 15 Oct 2018 10:09

Tgt Ion: 76 Resp: 1639

Ion Ratio Lower Upper

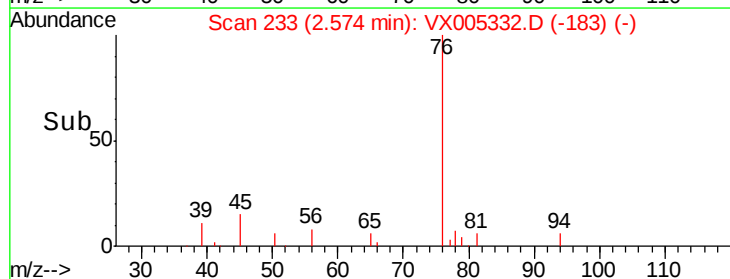
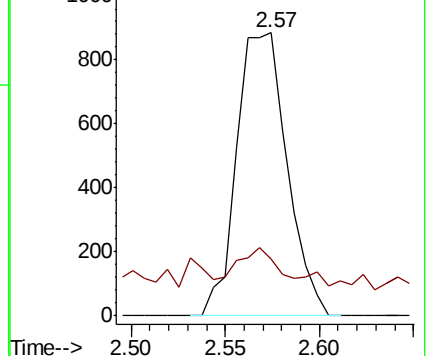
76 100

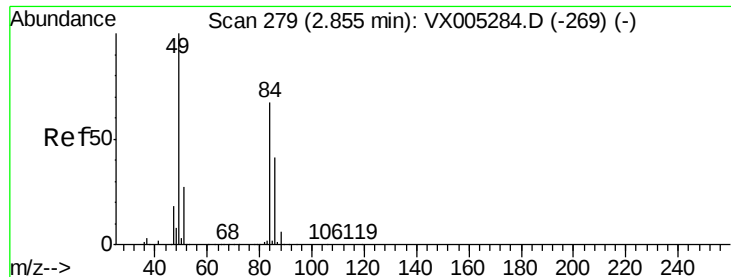
78 7.8 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

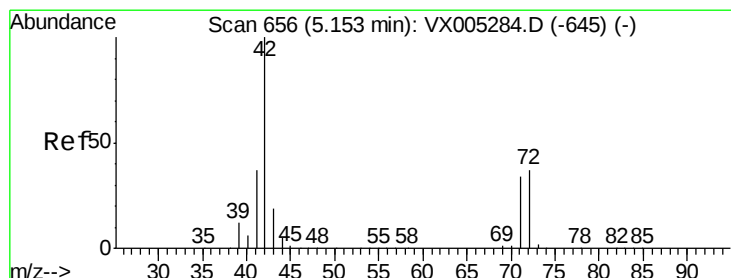
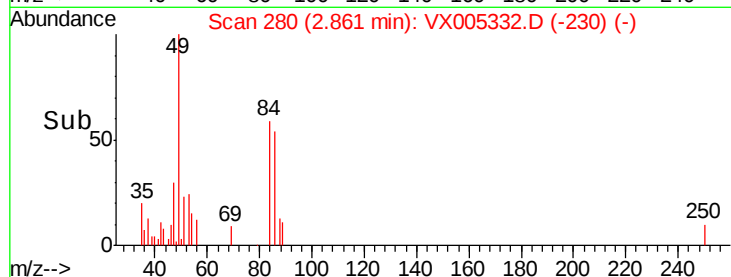
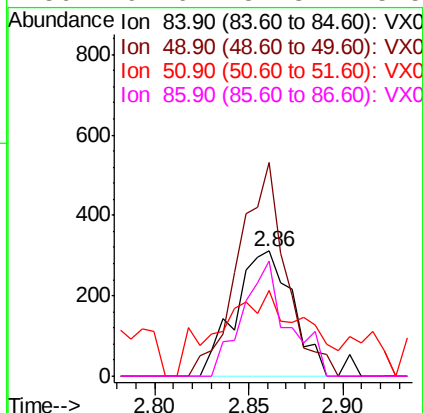
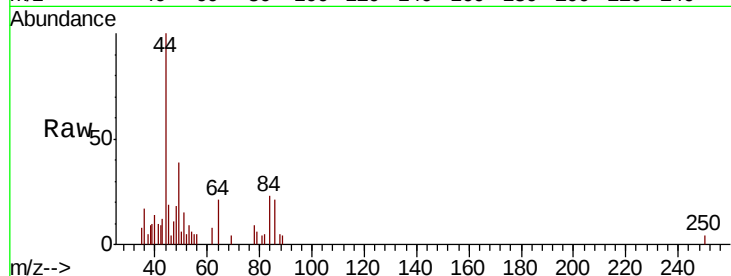




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005332.D
Acq: 15 Oct 2018 10:09

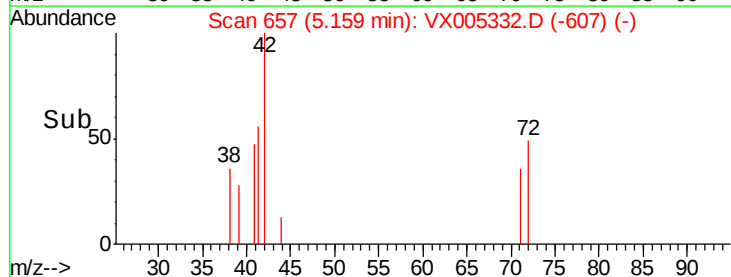
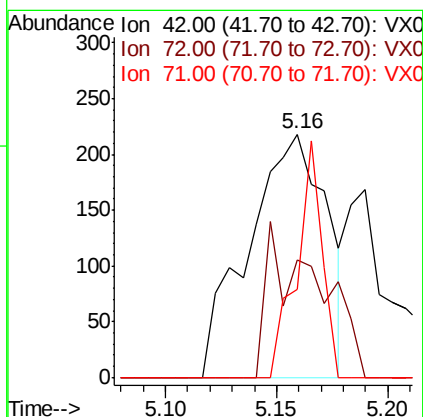
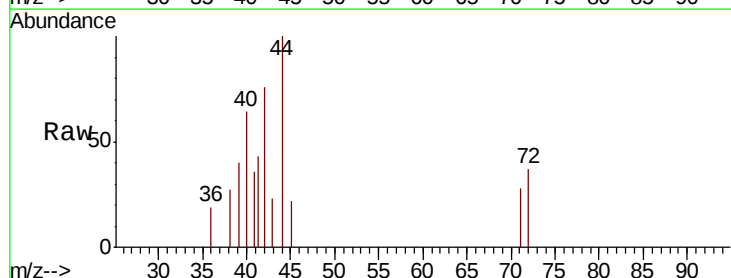
Instrument :
MSVOA_X
ClientSampleId :

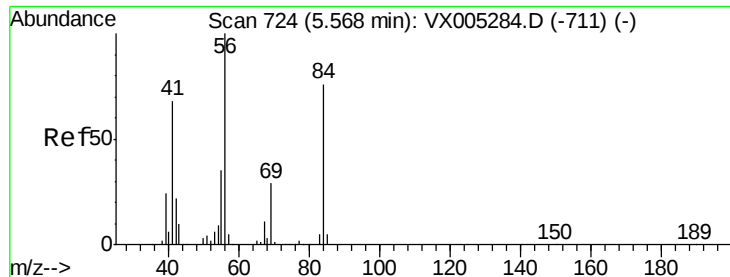
Tot Ion: 84 Resp: 658
Ion Ratio Lower Upper
84 100
49 170.7 101.2 151.8#
51 47.9 29.5 44.3#
86 91.6 52.3 78.5#



#29
Tetrahydrofuran
Concen: 0.303 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX005332.D
Acq: 15 Oct 2018 10:09

Tgt Ion: 42 Resp: 533
Ion Ratio Lower Upper
42 100
72 42.2 37.4 56.0
71 31.5 34.5 51.7#

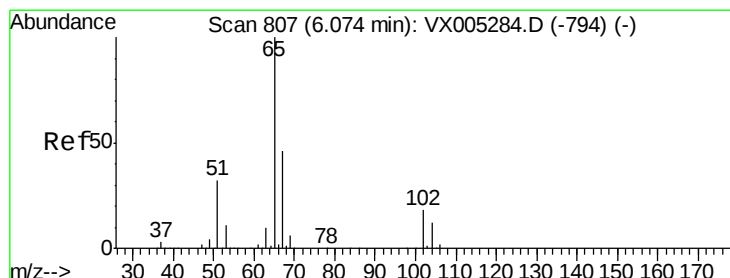
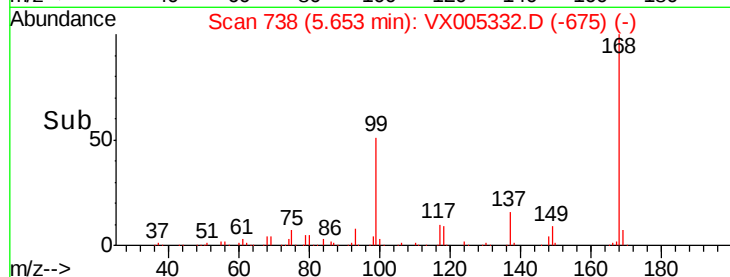
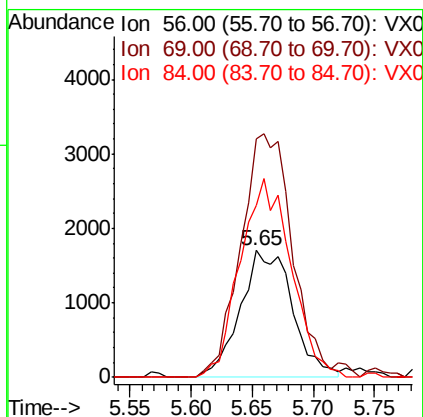
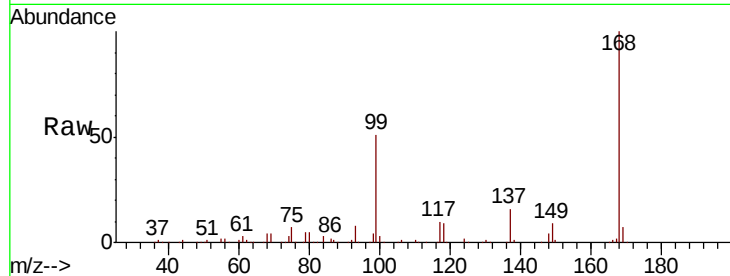




#31
Cyclohexane
Concen: 1.121 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.09 min
Lab File: VX005332.D
Acq: 15 Oct 2018 10:09

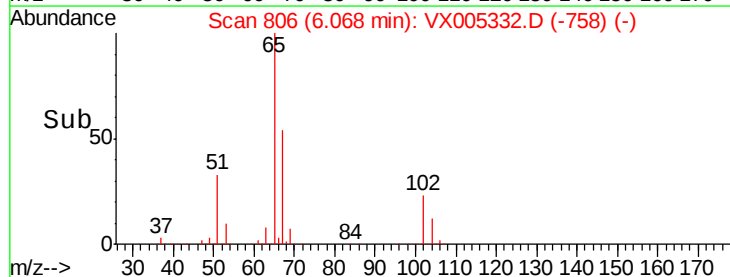
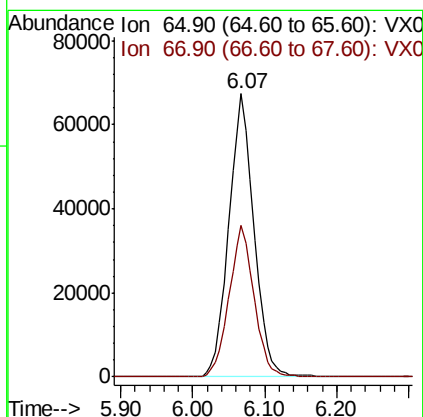
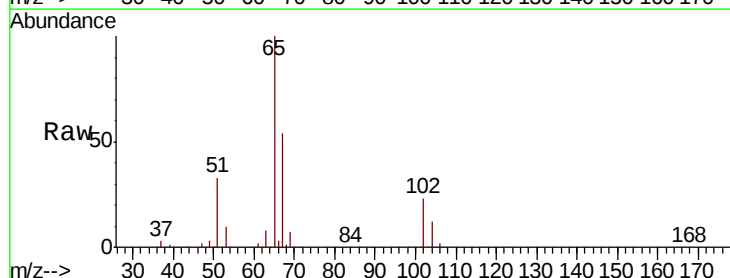
Instrument :
MSVOA_X
ClientSampled :

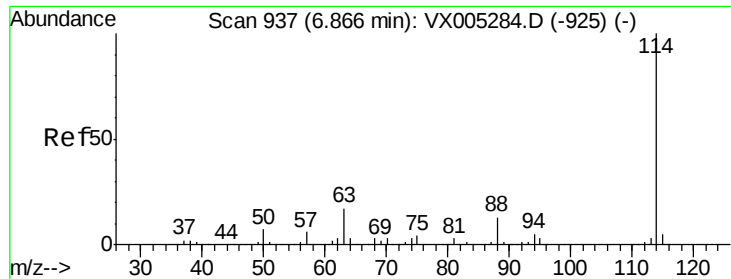
Tot Ion: 56 Resp: 5025
Ion Ratio Lower Upper
56 100
69 187.6 25.4 38.2#
84 135.3 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 50.176 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX005332.D
Acq: 15 Oct 2018 10:09

Tgt Ion: 65 Resp: 163660
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.8

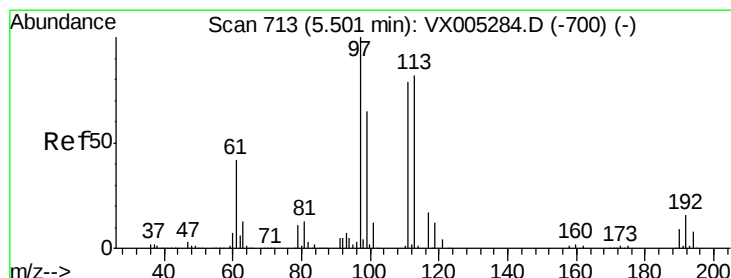
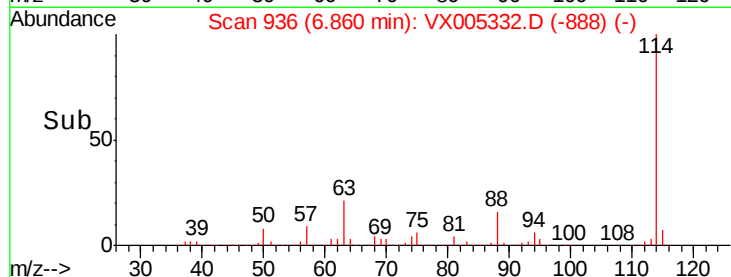
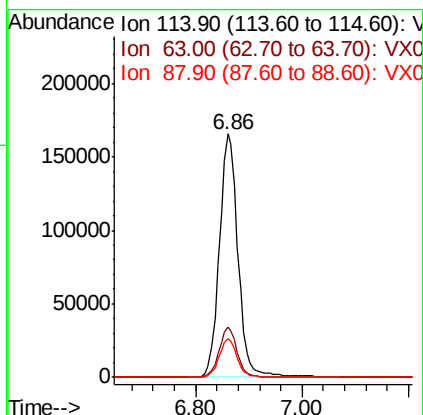
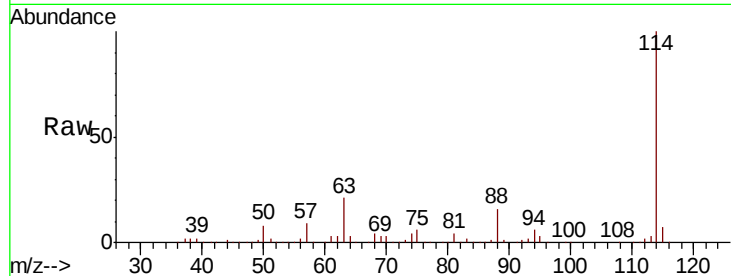




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005332.D
 Acq: 15 Oct 2018 10:09

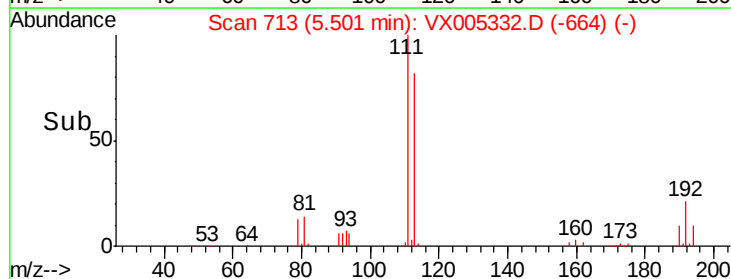
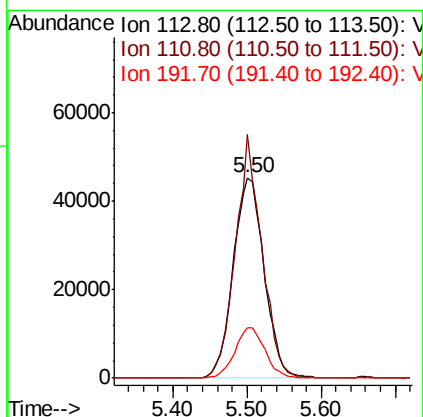
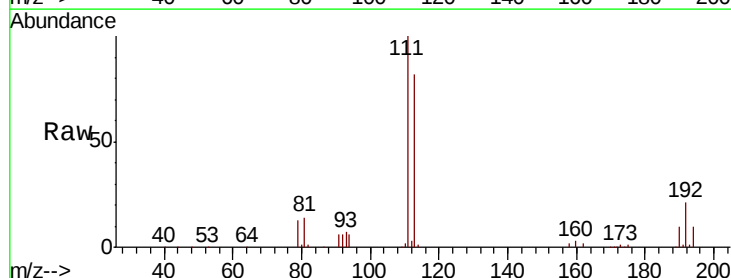
Instrument :
 MSVOA_X
 ClientSampleId :

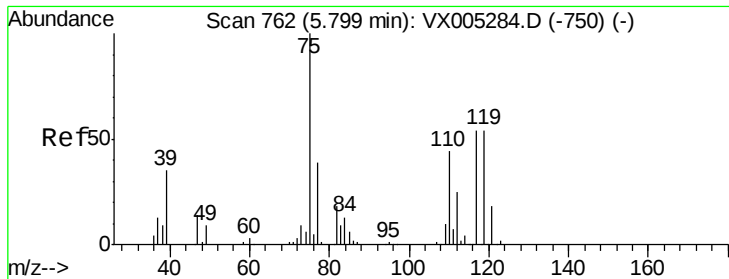
Tot Ion:114 Resp: 405498
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 39.0
 88 15.9 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 49.321 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX005332.D
 Acq: 15 Oct 2018 10:09

Tgt Ion:113 Resp: 132461
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.4 123.6
 192 24.3 19.4 29.2





#36

1,1-Dichloropropene

Concen: 4.827 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX005332.D

Acq: 15 Oct 2018 10:09

Instrument :

MSVOA_X

ClientSampleId :

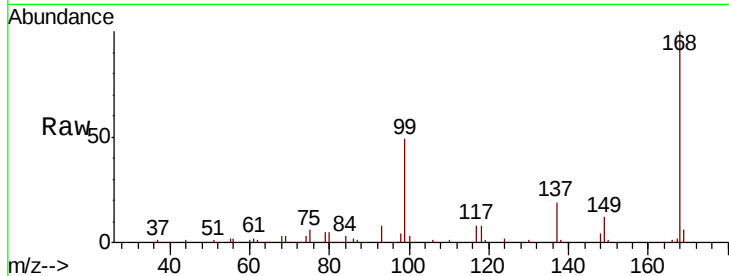
Tot Ion: 75 Resp: 18957

Ion Ratio Lower Upper

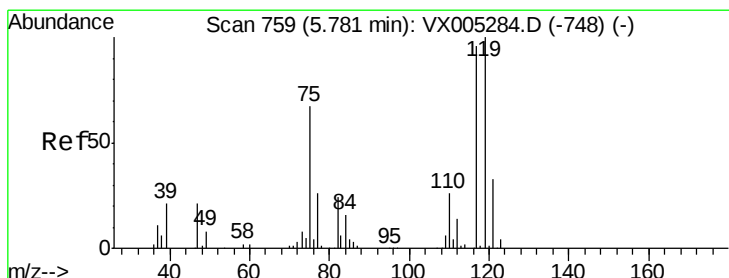
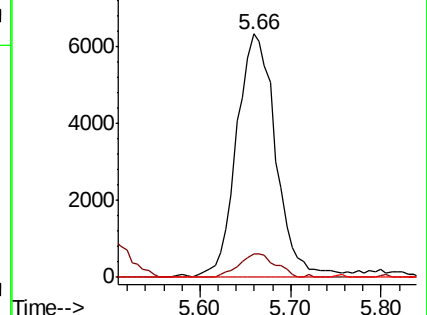
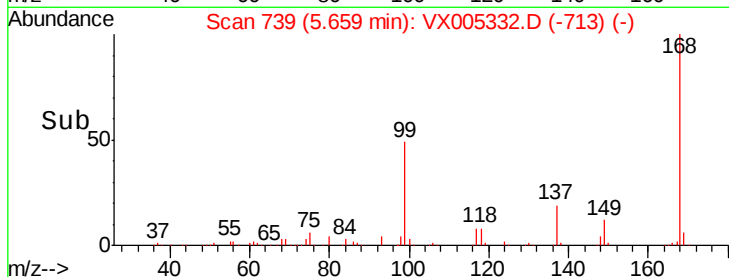
75 100

110 9.0 18.0 54.0#

77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VX005332.D (-713) (-)



#38

Carbon Tetrachloride

Concen: 6.546 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005332.D

Acq: 15 Oct 2018 10:09

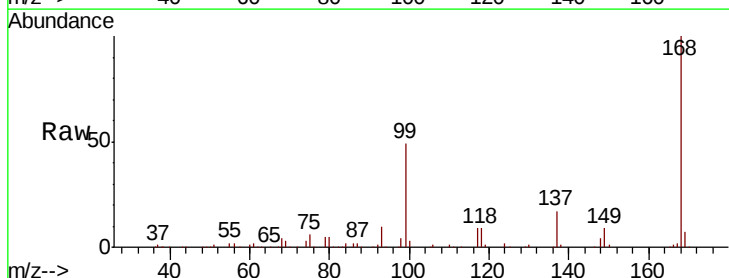
Tgt Ion: 117 Resp: 25832

Ion Ratio Lower Upper

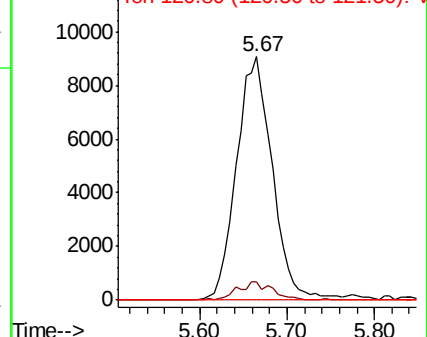
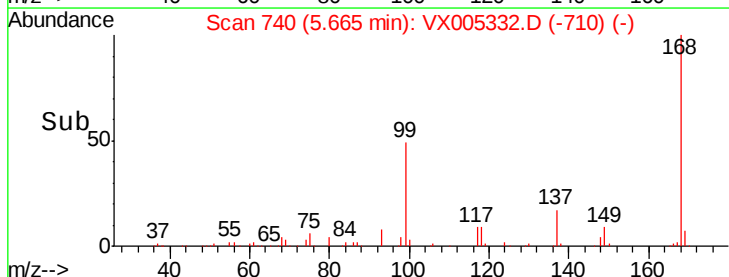
117 100

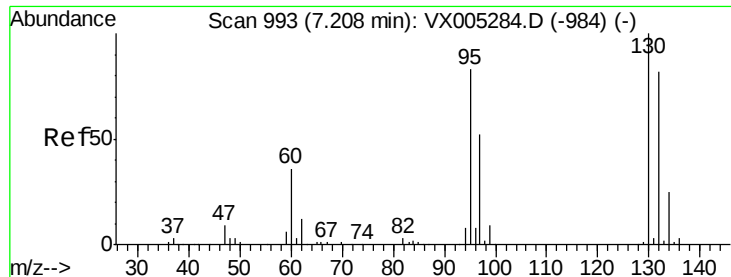
119 7.6 78.8 118.2#

121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): VX005332.D (-710) (-)





#44

Trichloroethene

Concen: Below Cal

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX005332.D

Acq: 15 Oct 2018 10:09

Instrument :

MSVOA_X

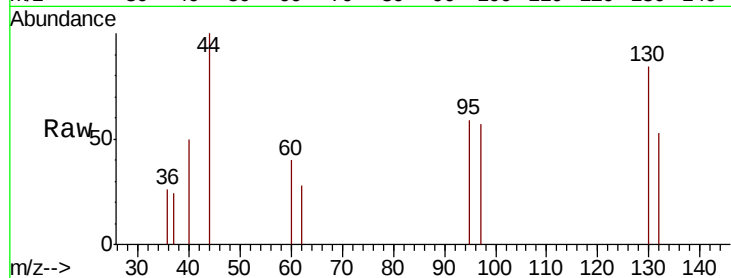
ClientSampleId :

Tot Ion:130 Resp: 296

Ion Ratio Lower Upper

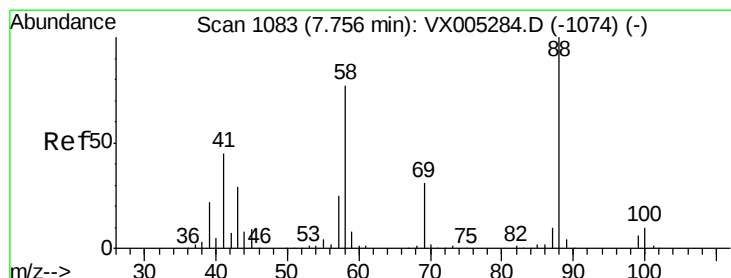
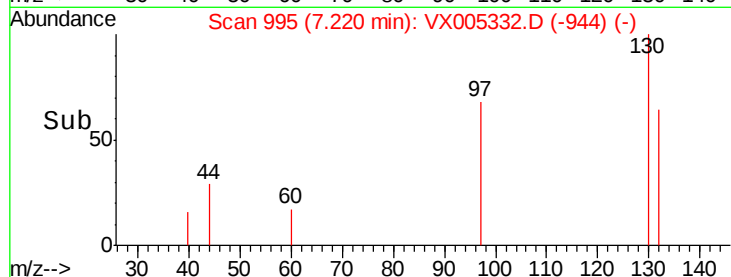
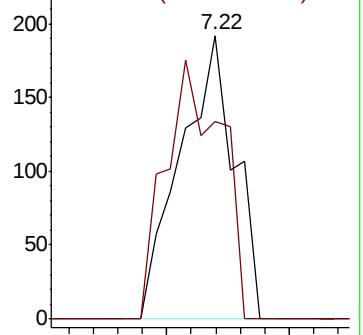
130 100

95 69.8 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.671 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.00 min

Lab File: VX005332.D

Acq: 15 Oct 2018 10:09

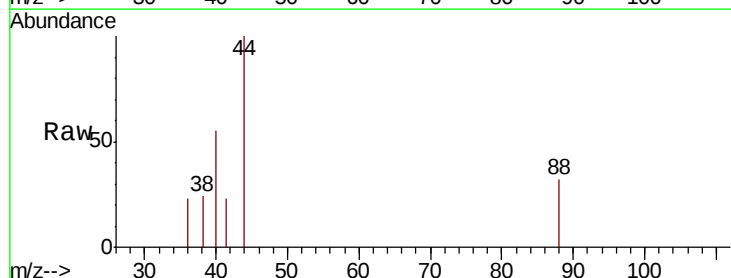
Tgt Ion: 88 Resp: 54

Ion Ratio Lower Upper

88 100

43 98.1 24.7 37.1#

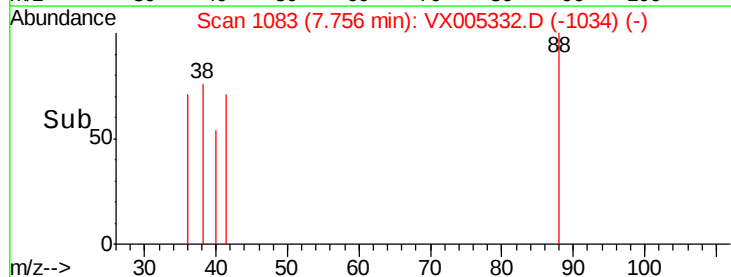
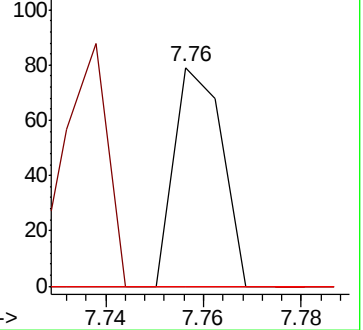
58 0.0 55.3 82.9#

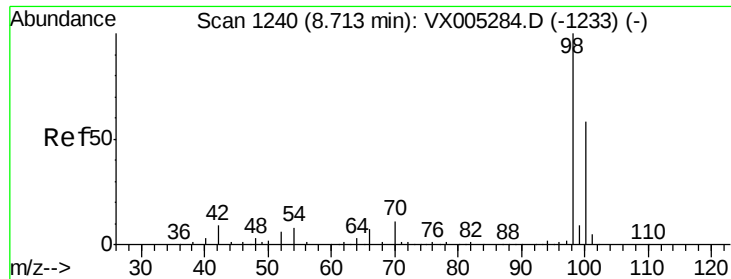


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 52.053 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX005332.D

Acq: 15 Oct 2018 10:09

Instrument :

MSVOA_X

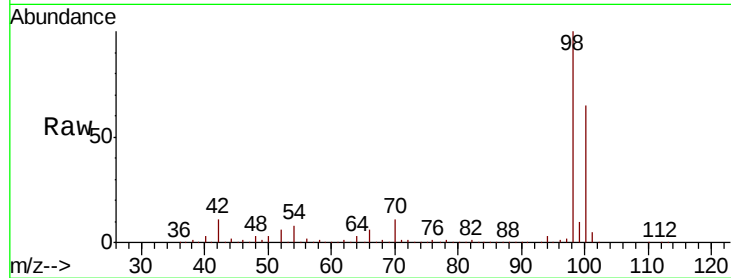
ClientSampleId :

Tot Ion: 98 Resp: 479943

Ion Ratio Lower Upper

98 100

100 64.2 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V>

8.71

300000

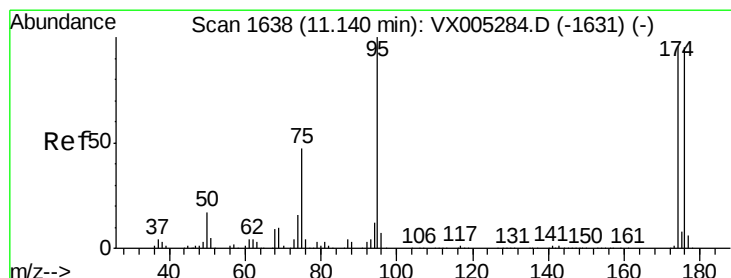
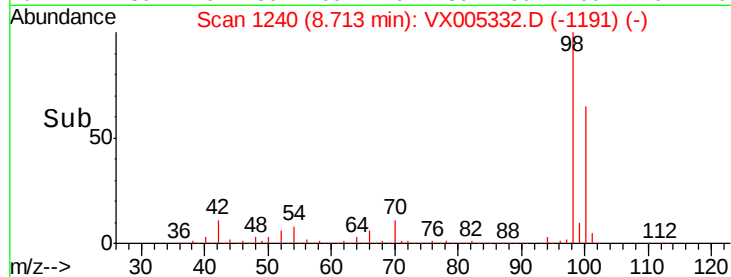
200000

100000

0

8.60 8.70 8.80 8.90

Time-->



#62

4-Bromofluorobenzene

Concen: 45.430 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005332.D

Acq: 15 Oct 2018 10:09

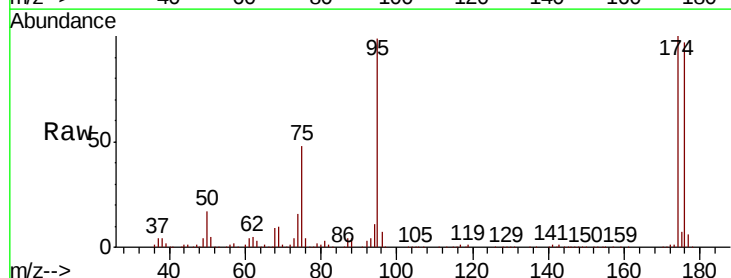
Tgt Ion: 95 Resp: 157356

Ion Ratio Lower Upper

95 100

174 96.3 0.0 185.2

176 92.8 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

11.14

150000

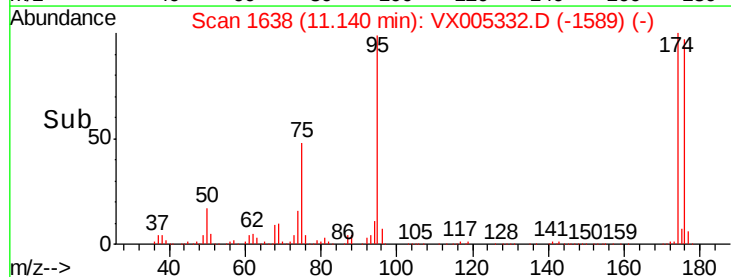
100000

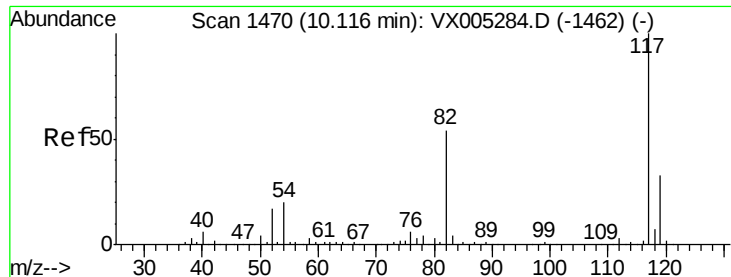
50000

0

11.10 11.20

Time-->

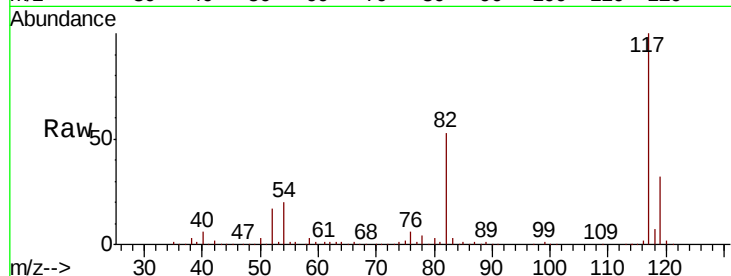




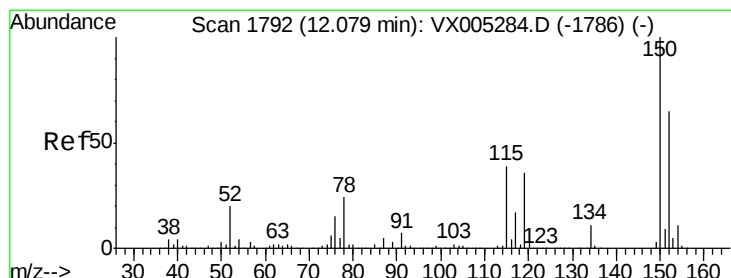
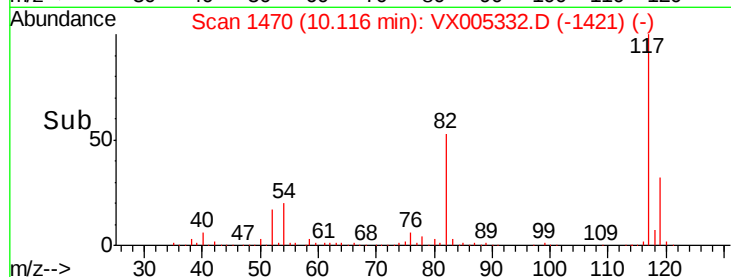
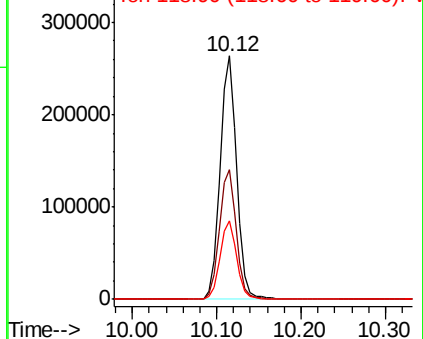
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005332.D
Acq: 15 Oct 2018 10:09

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 360510
Ion Ratio Lower Upper
117 100
82 53.3 47.8 71.6
119 32.0 29.3 43.9

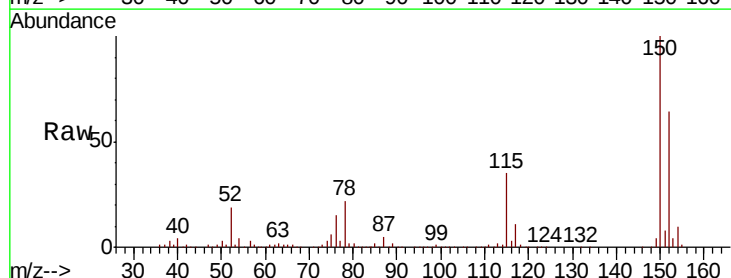


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

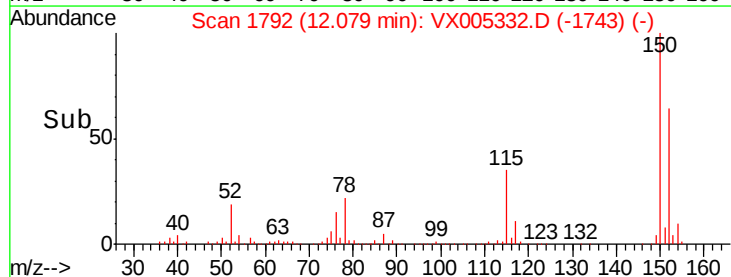
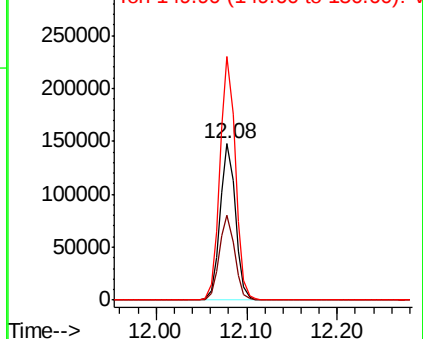


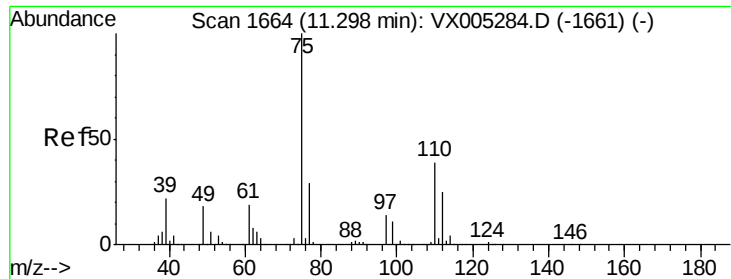
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005332.D
Acq: 15 Oct 2018 10:09

Tgt Ion:152 Resp: 174509
Ion Ratio Lower Upper
152 100
115 54.9 39.0 117.0
150 157.4 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: 23.025 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005332.D

Acq: 15 Oct 2018 10:09

Instrument :

MSVOA_X

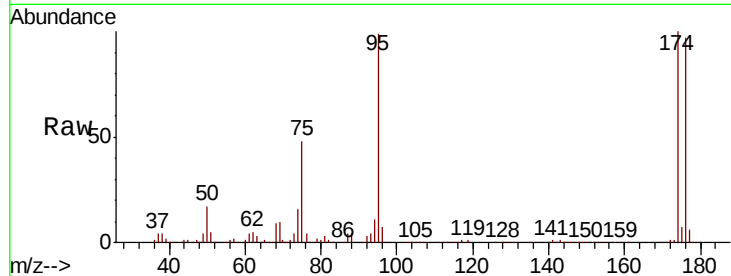
ClientSampleId :

Tot Ion: 75 Resp: 77940

Ion Ratio Lower Upper

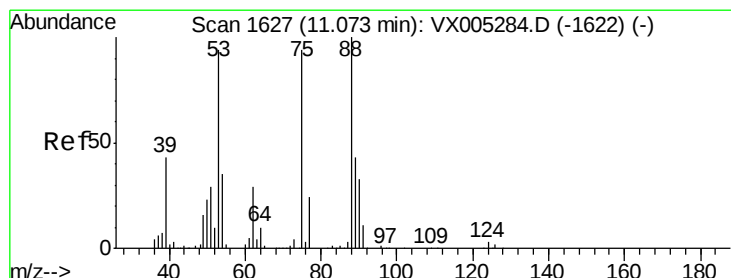
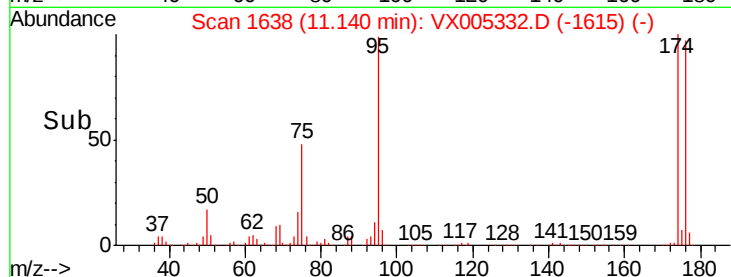
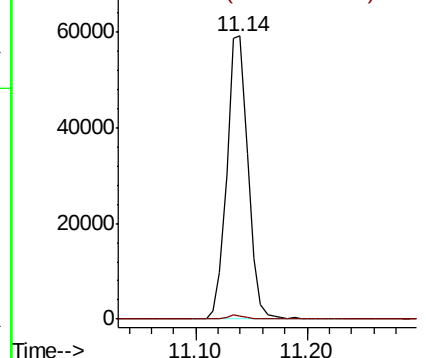
75 100

77 1.2 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: 69.962 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005332.D

Acq: 15 Oct 2018 10:09

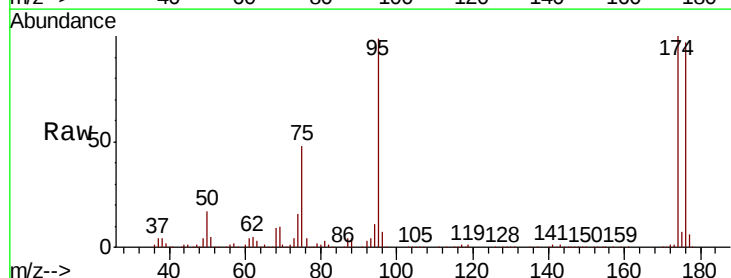
Tgt Ion: 75 Resp: 77940

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

