

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041320\
 Data File : VX015650.D
 Acq On : 13 Apr 2020 18:19
 Operator : JC/SP
 Sample : L2239-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z5-S1GW-200407

Quant Time: Apr 14 01:22:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1054206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1659860	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1593518	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	912760	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	671473	45.16	ug/l	0.00
Spiked Amount			Recovery	=	90.32%	
35) Dibromofluoromethane	5.47	113	504969	47.59	ug/l	0.00
Spiked Amount			Recovery	=	95.18%	
50) Toluene-d8	8.70	98	1989728	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	
62) 4-Bromofluorobenzene	11.12	95	853141	53.74	ug/l	0.00
Spiked Amount			Recovery	=	107.48%	

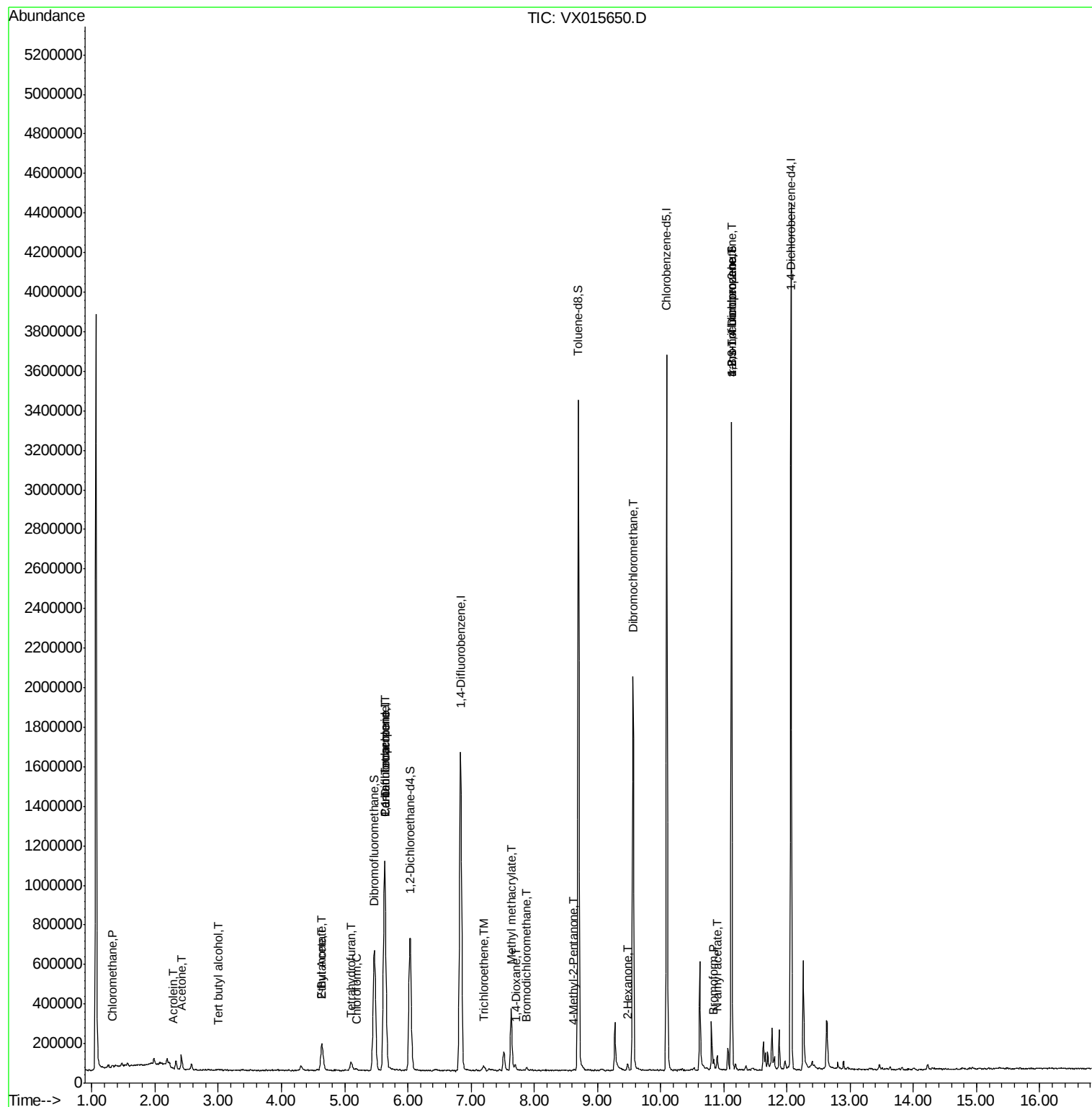
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	3703	0.313	ug/l	97
5) Bromomethane	1.64	94	775	Below Cal	#	51
11) Tert butyl alcohol	3.01	59	4595	1.291	ug/l	95
13) Acrolein	2.28	56	1929	0.952	ug/l #	37
16) Acetone	2.42	43	84237	13.187	ug/l	97
25) 2-Butanone	4.64	43	253272	24.654	ug/l	99
29) Tetrahydrofuran	5.10	42	48097	7.283	ug/l	96
30) Chloroform	5.18	83	8092	0.388	ug/l	94
36) 1,1-Dichloropropene	5.64	75	77625	5.076	ug/l #	52
37) Ethyl Acetate	4.64	43	253272	12.719	ug/l #	71
38) Carbon Tetrachloride	5.63	117	100840	6.088	ug/l #	15
44) Trichloroethene	7.20	130	8010	0.656	ug/l	87
47) Bromodichloromethane	7.87	83	12588	0.735	ug/l #	88
48) Methyl methacrylate	7.64	41	86943	5.178	ug/l #	52
49) 1,4-Dioxane	7.72	88	154	0.492	ug/l #	20
51) 4-Methyl-2-Pentanone	8.62	43	4138	0.217	ug/l #	61
59) 2-Hexanone	9.48	43	22143	1.540	ug/l	93
60) Dibromochloromethane	9.57	129	20041	1.474	ug/l	97
71) Bromoform	10.84	173	18452	1.597	ug/l #	96
74) N-amyl acetate	10.90	43	12475	0.375	ug/l #	9
76) 1,2,3-Trichloropropane	11.12	75	433068	23.072	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	433068	55.361	ug/l #	10

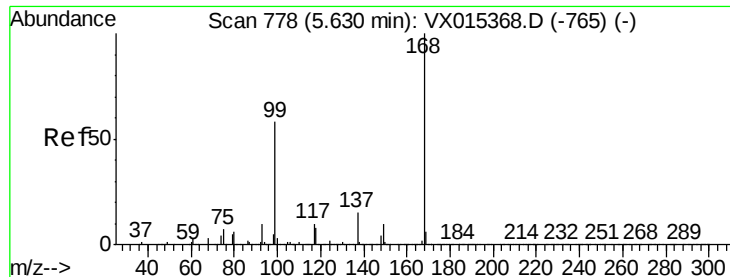
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
Quant Title : SW846 8260
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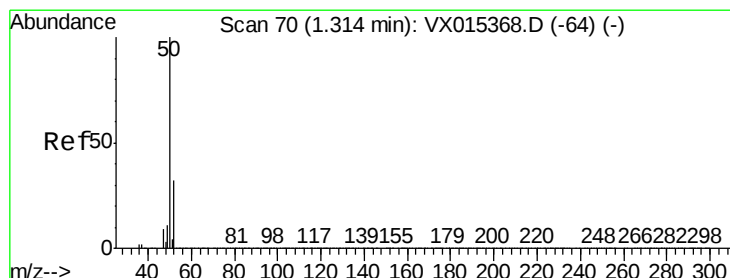
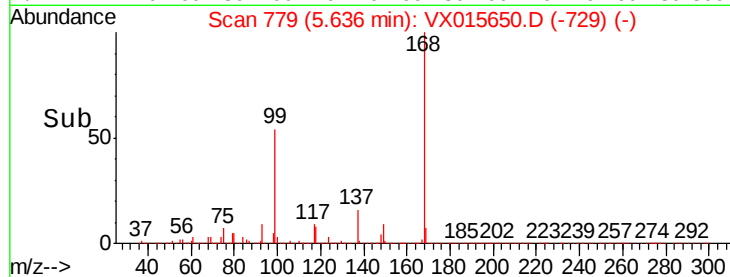
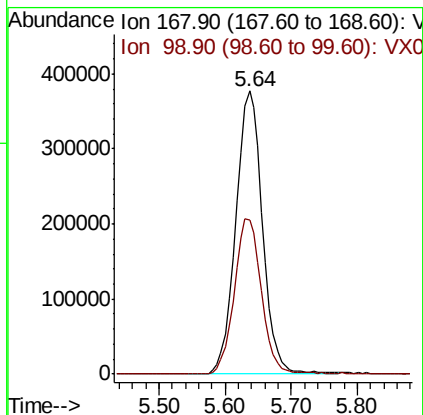
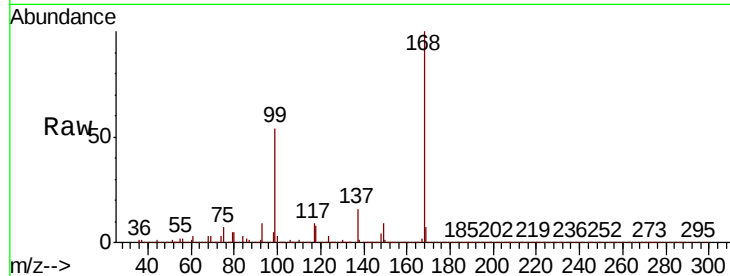


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. 0.01 min
 Lab File: VX015650.D
 Acq: 13 Apr 2020 18:19

Instrument :
 MSVOA_X
 ClientSampleId :
 Z5-S1GW-200407

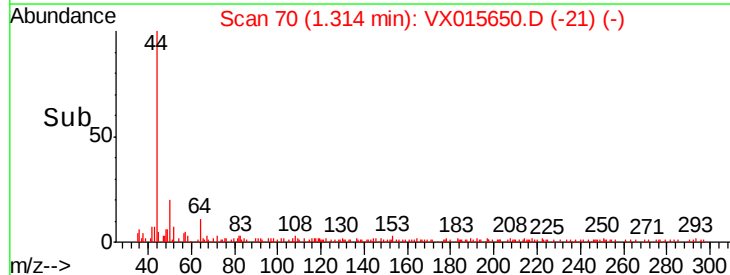
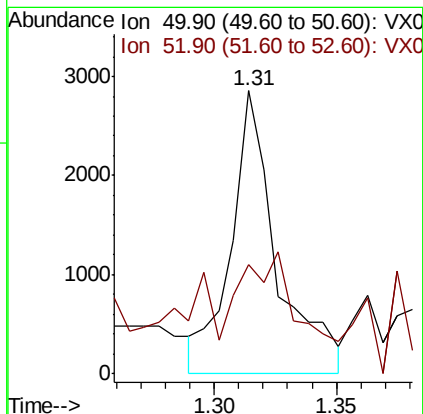
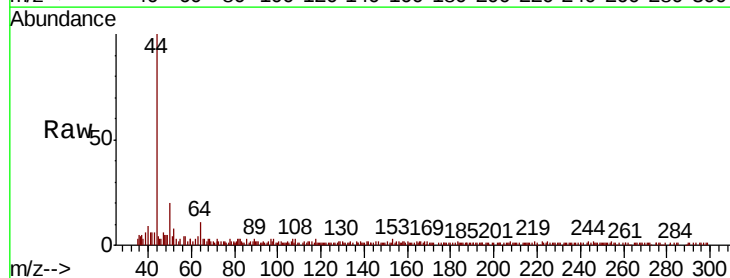
Tot Ion:168 Resp: 1054206
 Ion Ratio Lower Upper
 168 100
 99 54.2 46.4 69.6

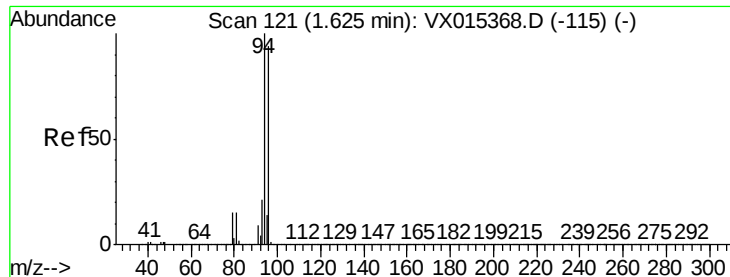


#3

Chloromethane
 Concen: 0.313 ug/l
 RT: 1.31 min Scan# 70
 Delta R.T. 0.00 min
 Lab File: VX015650.D
 Acq: 13 Apr 2020 18:19

Tgt Ion: 50 Resp: 3703
 Ion Ratio Lower Upper
 50 100
 52 29.7 25.3 37.9





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015650.D

Acq: 13 Apr 2020 18:19

Instrument :

MSVOA_X

ClientSampleId :

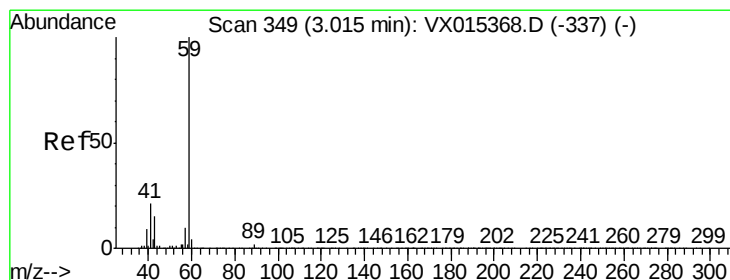
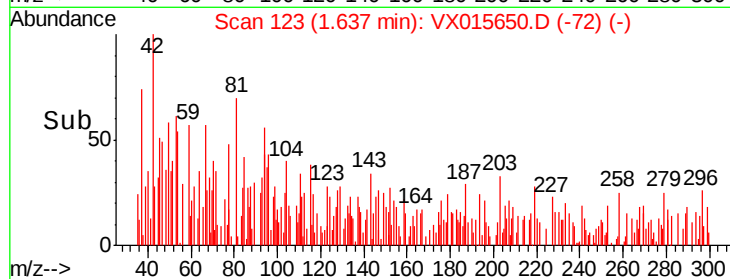
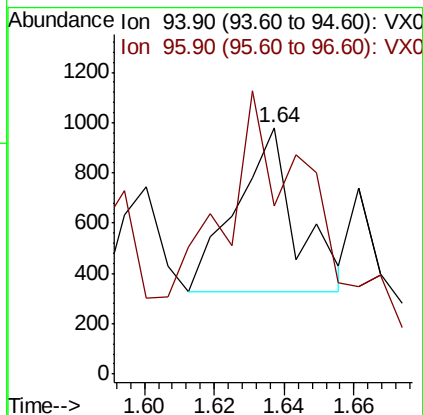
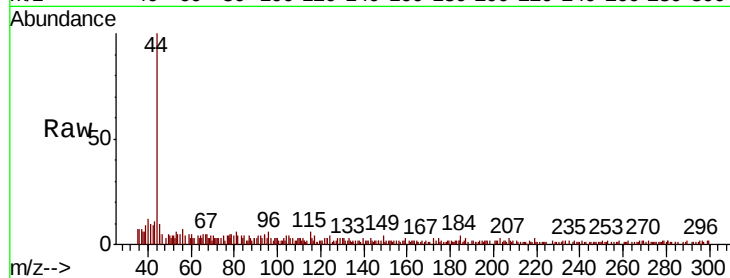
Z5-S1GW-200407

Tot Ion: 94 Resp: 775

Ion Ratio Lower Upper

94 100

96 46.7 74.8 112.2#



#11

Tert butyl alcohol

Concen: 1.291 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.01 min

Lab File: VX015650.D

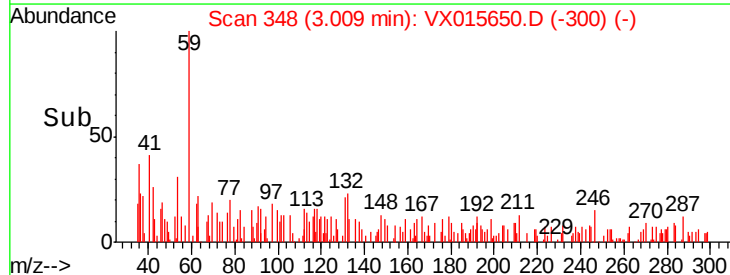
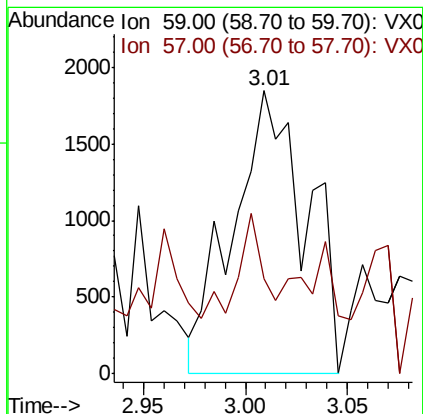
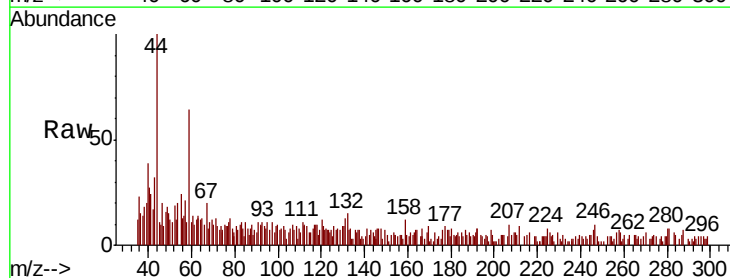
Acq: 13 Apr 2020 18:19

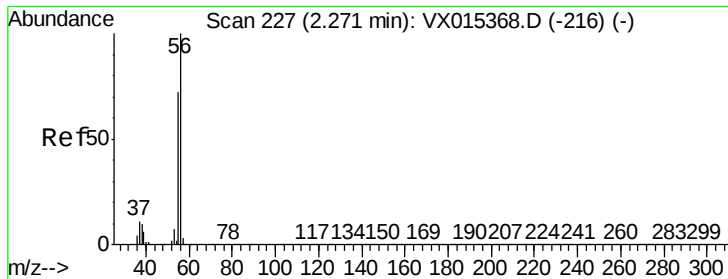
Tgt Ion: 59 Resp: 4595

Ion Ratio Lower Upper

59 100

57 12.1 8.1 12.1

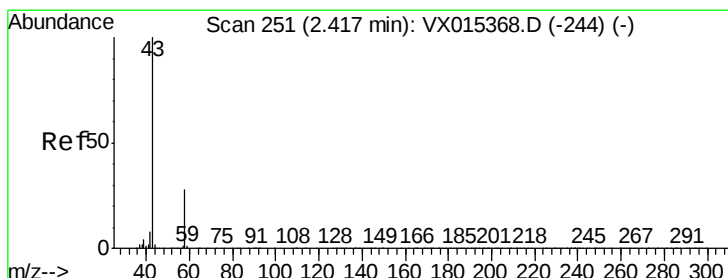
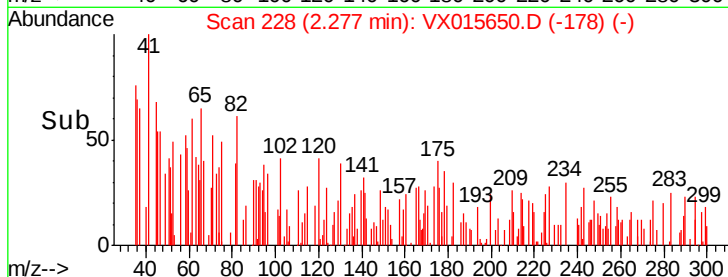
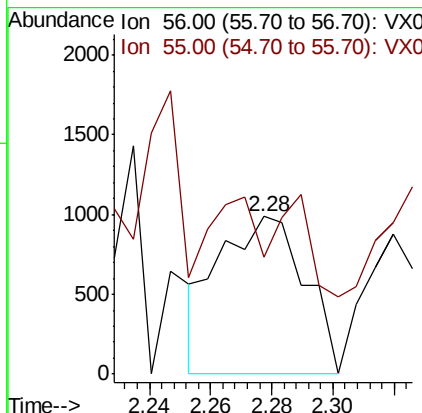
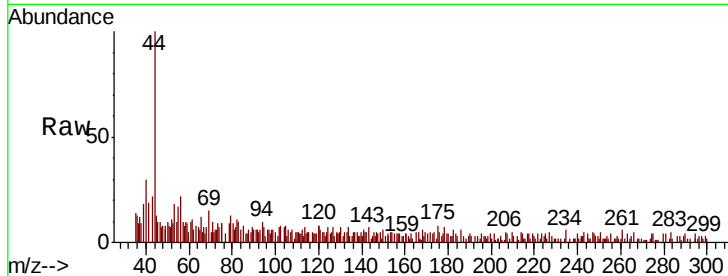




#13
Acrolein
Concen: 0.952 ug/l
RT: 2.28 min Scan# 228
Delta R.T. 0.01 min
Lab File: VX015650.D
Acq: 13 Apr 2020 18:19

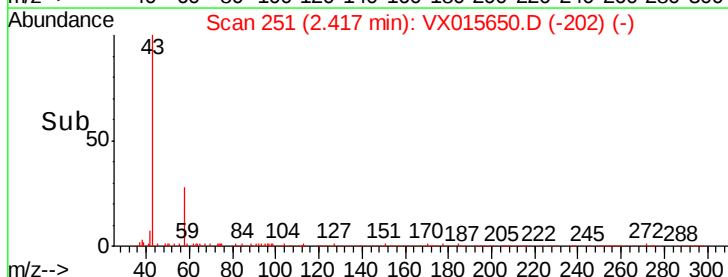
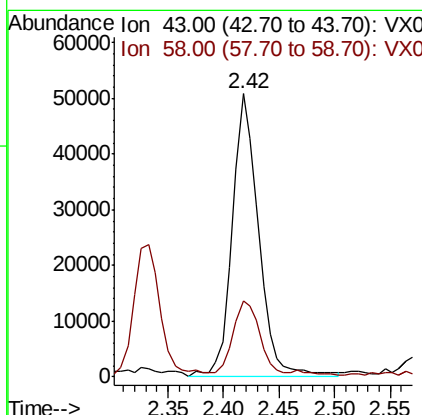
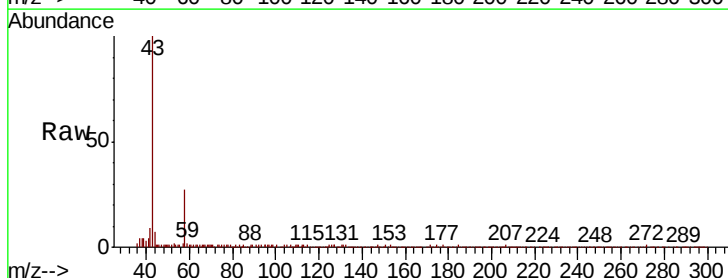
Instrument :
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ClientSampleId :
Z5-S1GW-200407

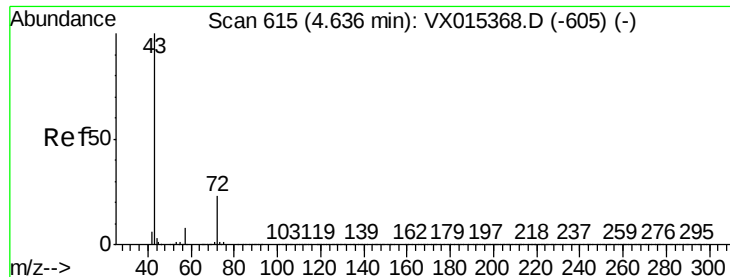
Tot Ion: 56 Resp: 1929
Ion Ratio Lower Upper
56 100
55 18.9 57.0 85.4#



#16
Acetone
Concen: 13.187 ug/l
RT: 2.42 min Scan# 251
Delta R.T. 0.00 min
Lab File: VX015650.D
Acq: 13 Apr 2020 18:19

Tgt Ion: 43 Resp: 84237
Ion Ratio Lower Upper
43 100
58 26.2 22.1 33.1





#25

2-Butanone

Concen: 24.654 ug/l

RT: 4.64 min Scan# 616

Delta R.T. 0.01 min

Lab File: VX015650.D

Acq: 13 Apr 2020 18:19

Instrument :

MSVOA_X

ClientSampleId :

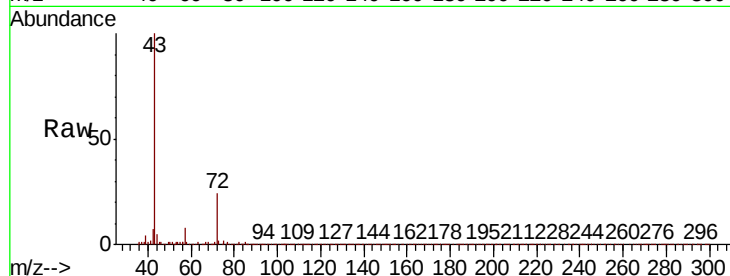
Z5-S1GW-200407

Tot Ion: 43 Resp: 253272

Ion Ratio Lower Upper

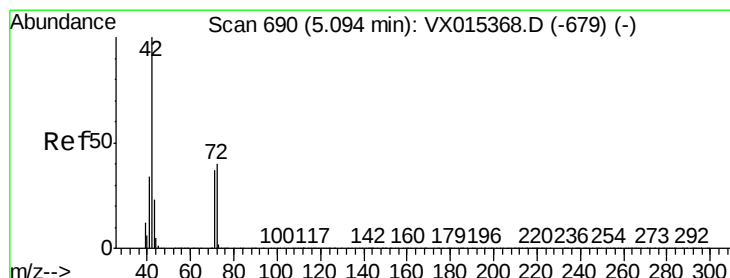
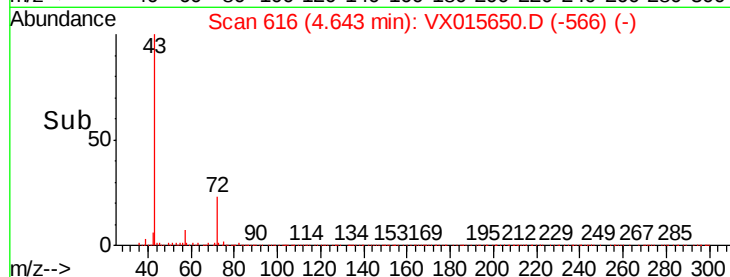
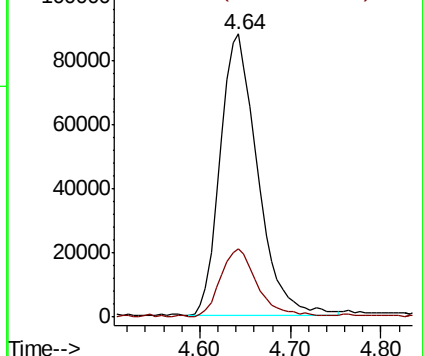
43 100

72 24.3 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 7.283 ug/l

RT: 5.10 min Scan# 691

Delta R.T. 0.01 min

Lab File: VX015650.D

Acq: 13 Apr 2020 18:19

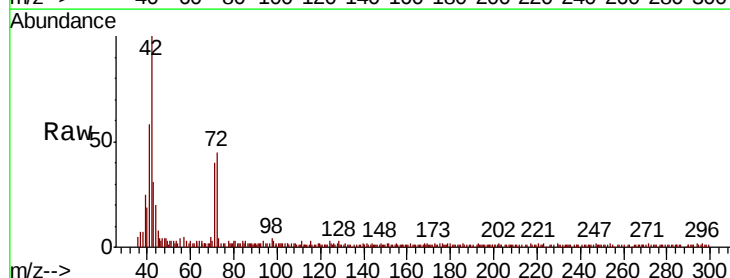
Tgt Ion: 42 Resp: 48097

Ion Ratio Lower Upper

42 100

72 35.8 31.7 47.5

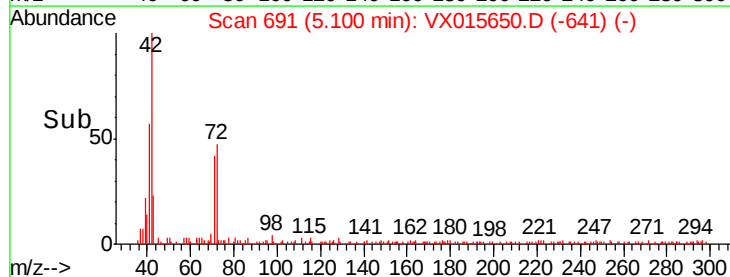
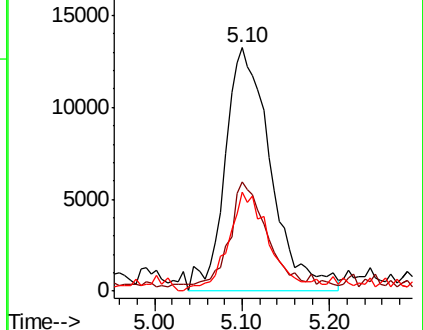
71 36.2 29.6 44.4

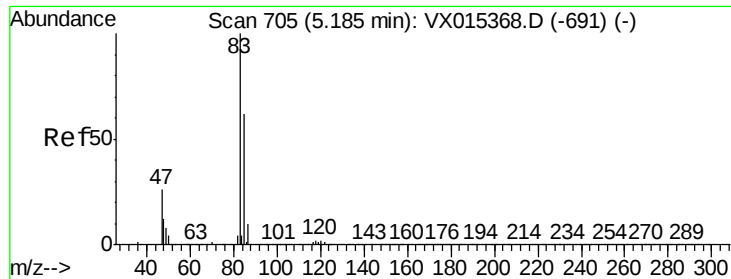


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

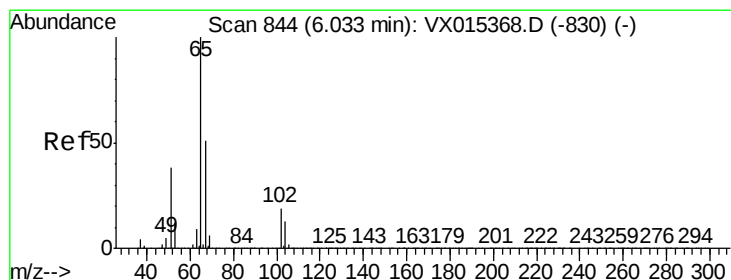
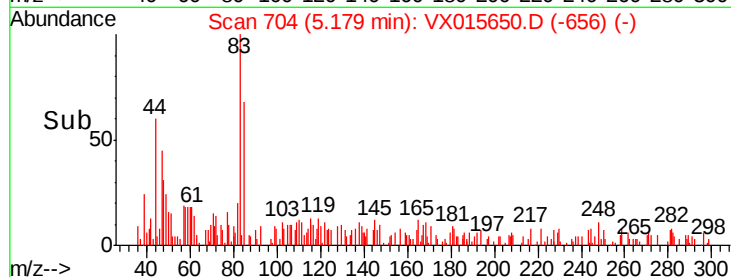
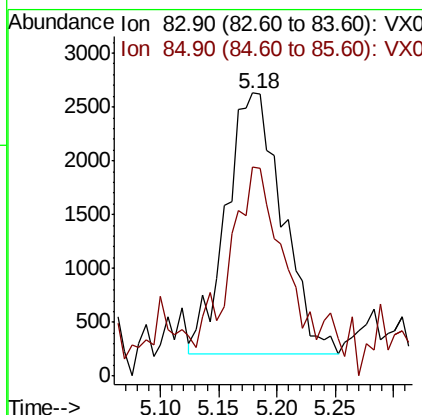
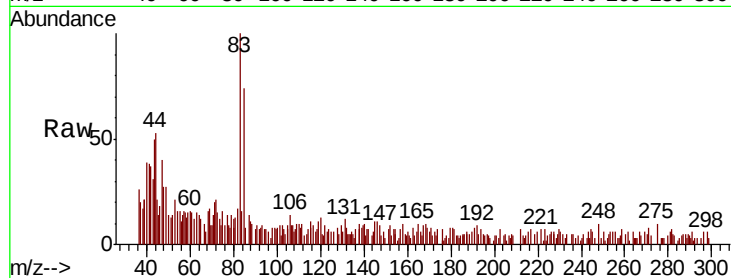




#30
Chloroform
Concen: 0.388 ug/l
RT: 5.18 min Scan# 704
Delta R.T. -0.01 min
Lab File: VX015650.D
Acq: 13 Apr 2020 18:19

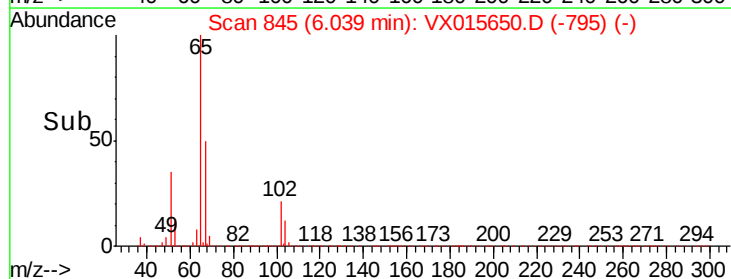
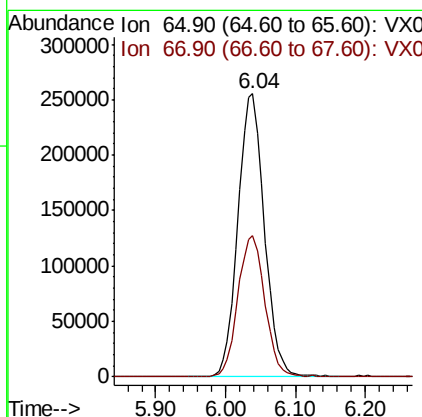
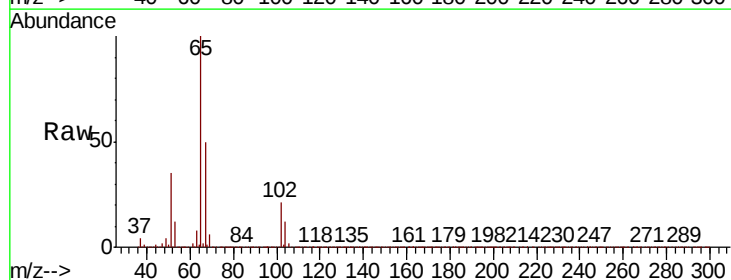
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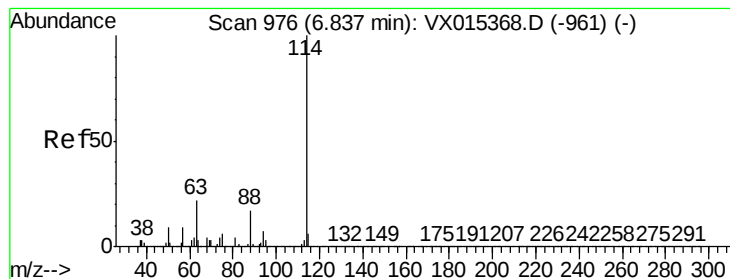
Tot Ion: 83 Resp: 8092
Ion Ratio Lower Upper
83 100
85 66.3 49.5 74.3



#33
1,2-Dichloroethane-d4
Concen: 45.161 ug/l
RT: 6.04 min Scan# 845
Delta R.T. 0.01 min
Lab File: VX015650.D
Acq: 13 Apr 2020 18:19

Tgt Ion: 65 Resp: 671473
Ion Ratio Lower Upper
65 100
67 50.2 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015650.D

Acq: 13 Apr 2020 18:19

Instrument :

MSVOA_X

ClientSampleId :

Z5-S1GW-200407

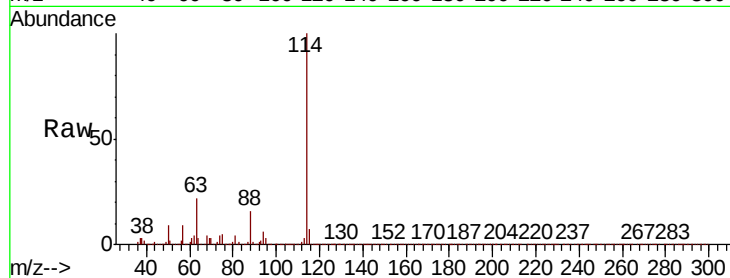
Tot Ion:114 Resp: 1659860

Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.2

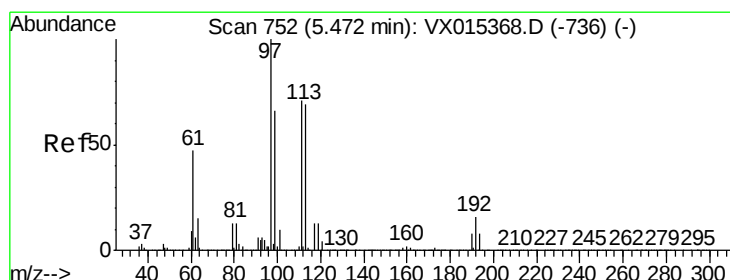
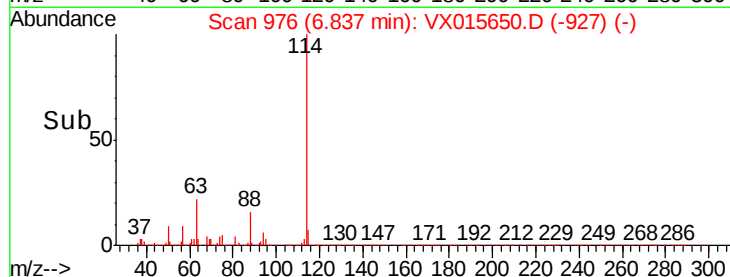
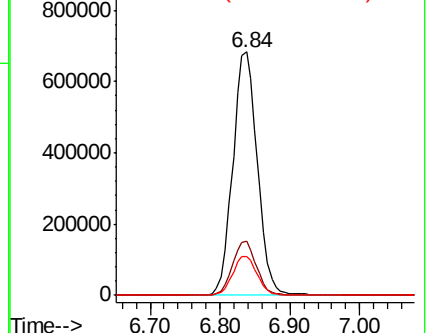
88 16.1 0.0 33.8



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: 47.592 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015650.D

Acq: 13 Apr 2020 18:19

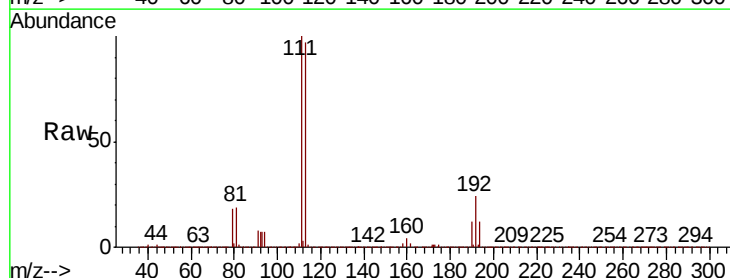
Tgt Ion:113 Resp: 504969

Ion Ratio Lower Upper

113 100

111 101.9 81.5 122.3

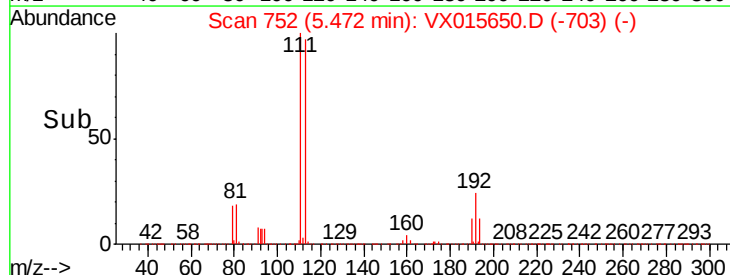
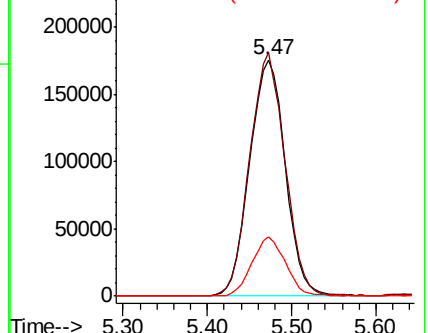
192 24.0 17.8 26.6

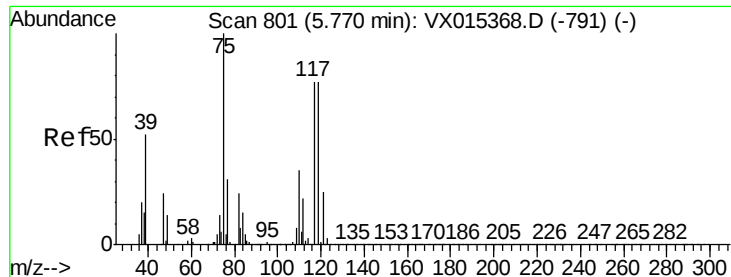


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

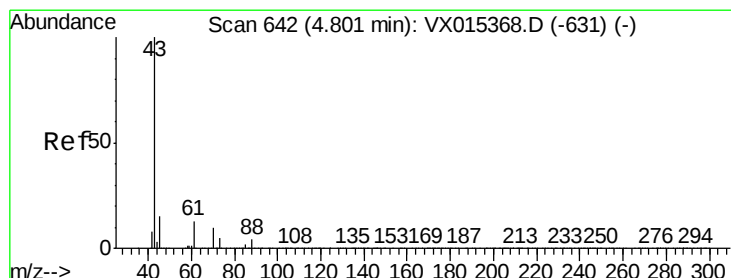
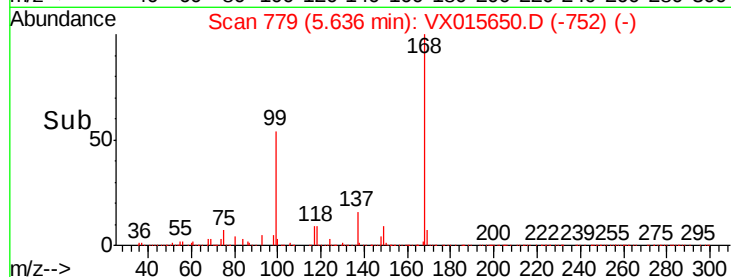
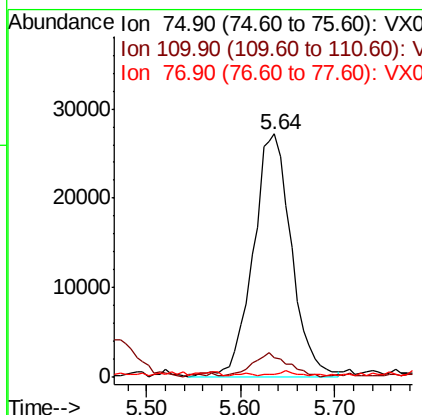
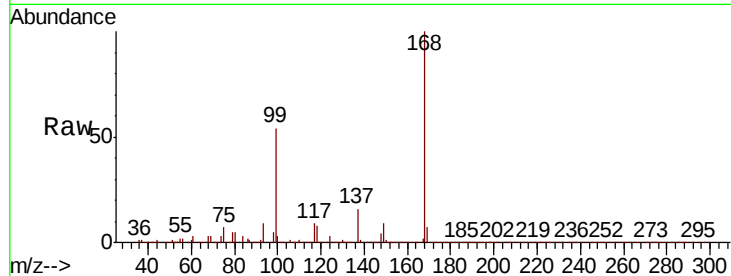




#36
 1,1-Dichloropropene
 Concen: 5.076 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.13 min
 Lab File: VX015650.D
 Acq: 13 Apr 2020 18:19

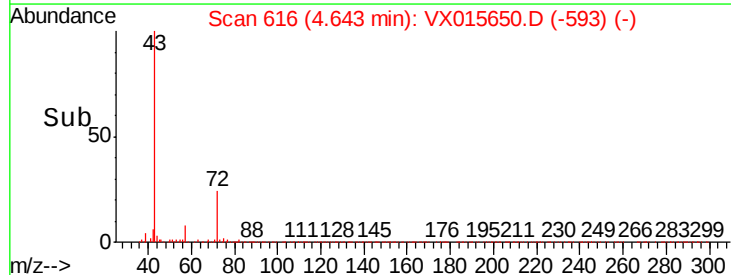
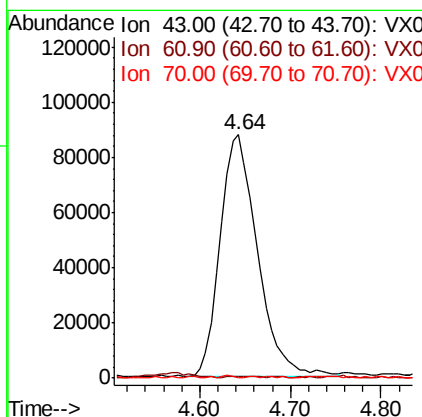
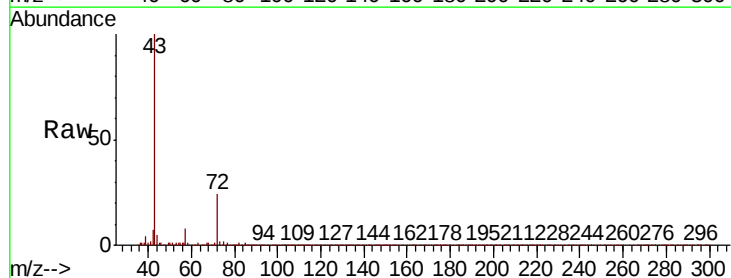
Instrument :
 MSVOA_X
 ClientSampleId :
 Z5-S1GW-200407

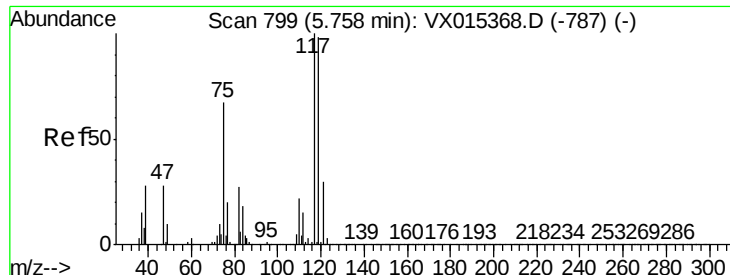
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.8	17.1	51.3#
77	0.9	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 12.719 ug/l
 RT: 4.64 min Scan# 616
 Delta R.T. -0.16 min
 Lab File: VX015650.D
 Acq: 13 Apr 2020 18:19

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.1	9.9	14.9#
70	0.3	8.1	12.1#





#38

Carbon Tetrachloride

Concen: 6.088 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.13 min

Lab File: VX015650.D

Acq: 13 Apr 2020 18:19

Instrument :

MSVOA_X

ClientSampleId :

Z5-S1GW-200407

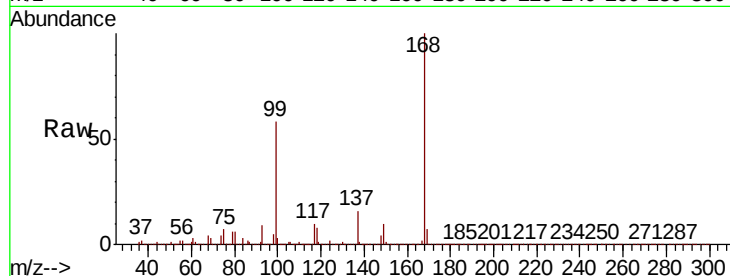
Tot Ion:117 Resp: 100840

Ion Ratio Lower Upper

117 100

119 4.7 78.0 117.0#

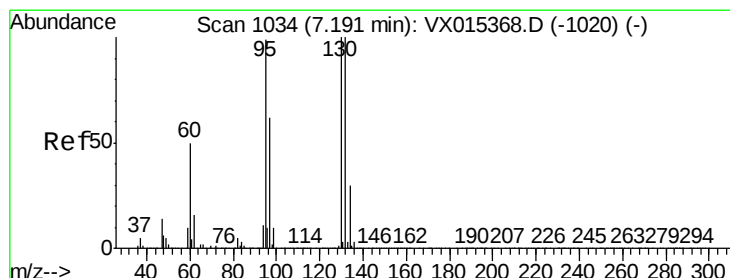
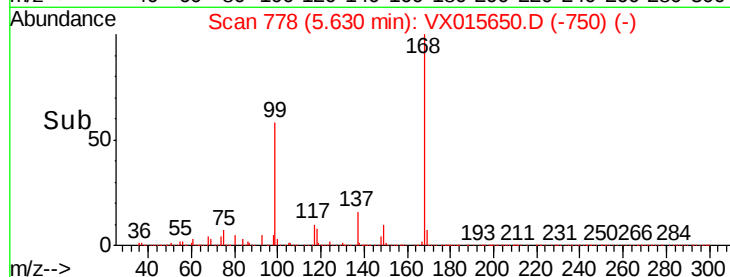
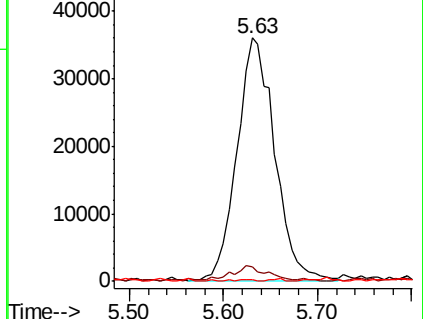
121 0.2 23.8 35.8#



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: 0.656 ug/l

RT: 7.20 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX015650.D

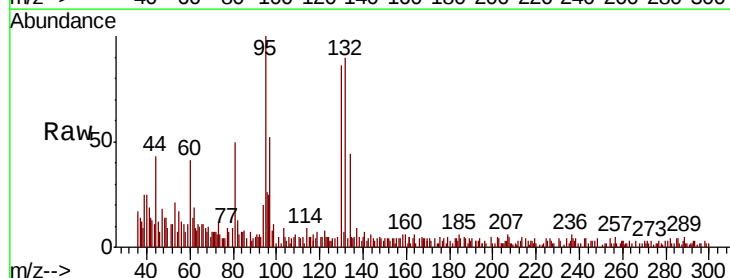
Acq: 13 Apr 2020 18:19

Tgt Ion:130 Resp: 8010

Ion Ratio Lower Upper

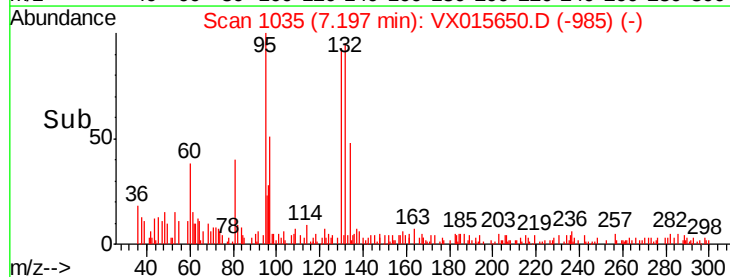
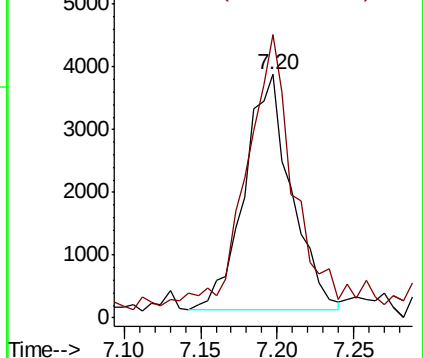
130 100

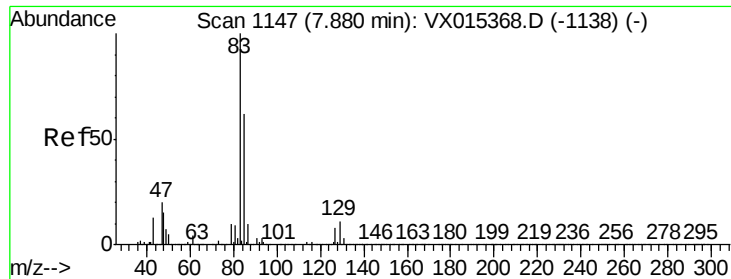
95 112.4 0.0 199.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

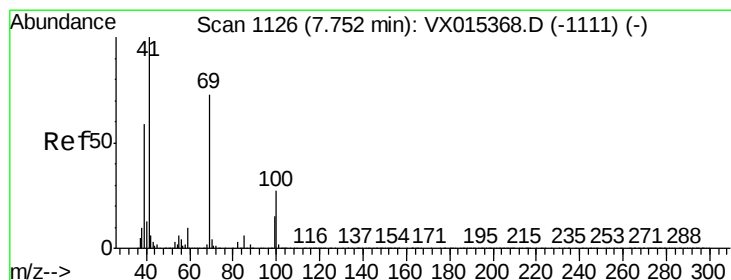
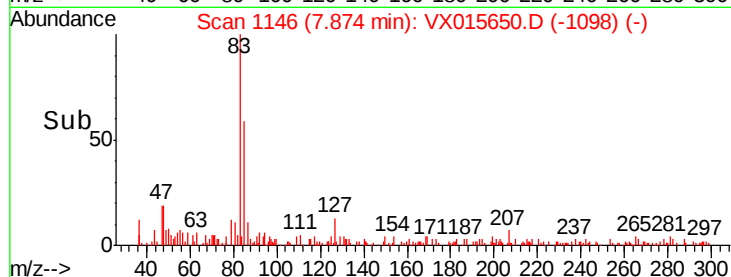
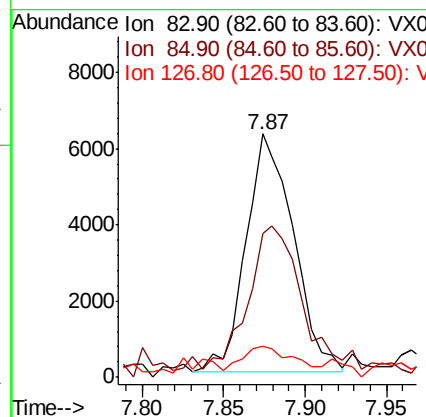
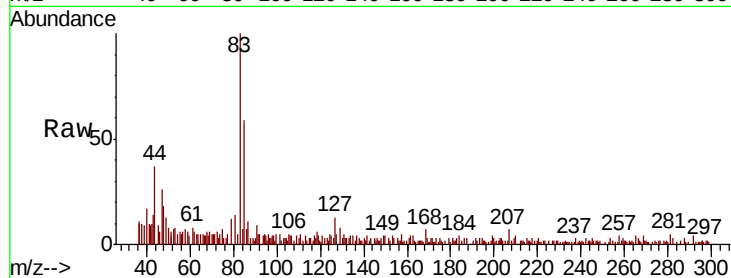




#47
Bromodichloromethane
Concen: 0.735 ug/l
RT: 7.87 min Scan# 1146
Delta R.T. -0.01 min
Lab File: VX015650.D
Acq: 13 Apr 2020 18:19

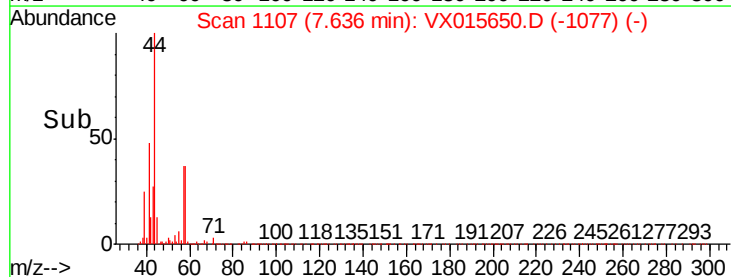
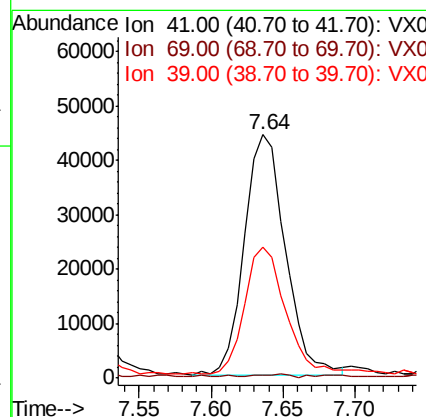
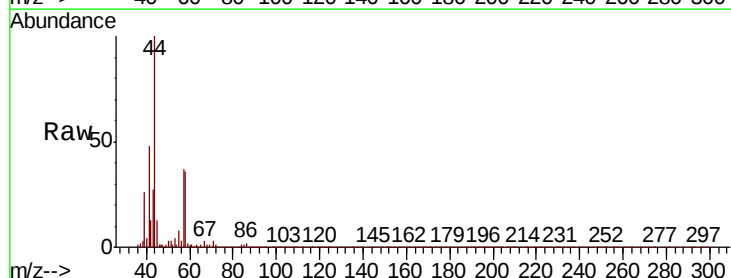
Instrument :
MSVOA_X
ClientSampleId :
Z5-S1GW-200407

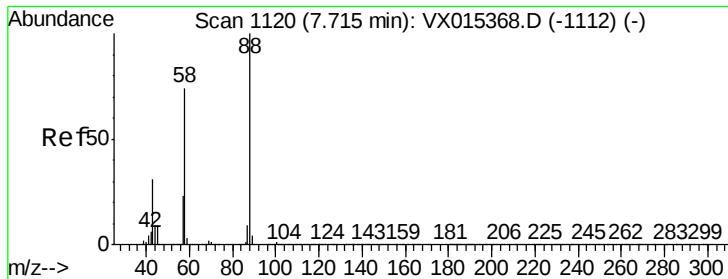
Tot Ion	83	Resp	12588
Ion Ratio	Lower	Upper	
83	100		
85	53.5	49.7	74.5
127	14.5	6.7	10.1



#48
Methyl methacrylate
Concen: 5.178 ug/l
RT: 7.64 min Scan# 1107
Delta R.T. -0.12 min
Lab File: VX015650.D
Acq: 13 Apr 2020 18:19

Tgt Ion	41	Resp	86943
Ion Ratio	Lower	Upper	
41	100		
69	2.0	56.7	85.1
39	54.0	46.5	69.7





#49

1,4-Dioxane

Concen: 0.492 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VX015650.D

Acq: 13 Apr 2020 18:19

Instrument :

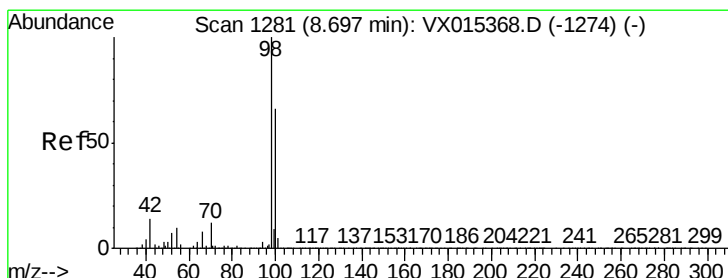
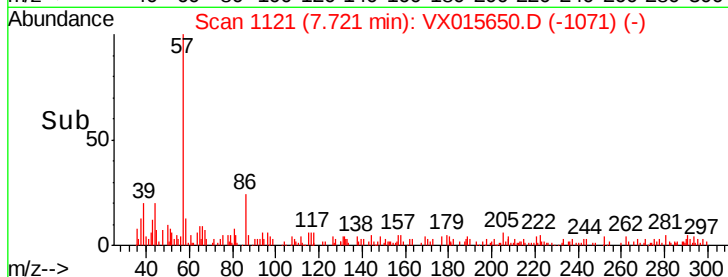
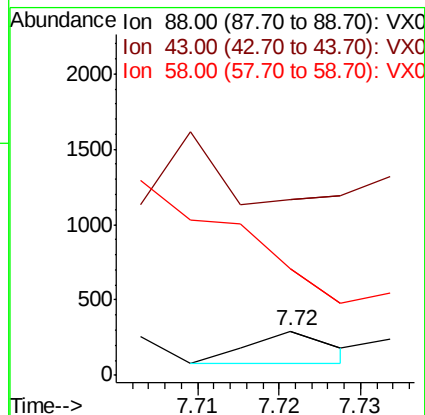
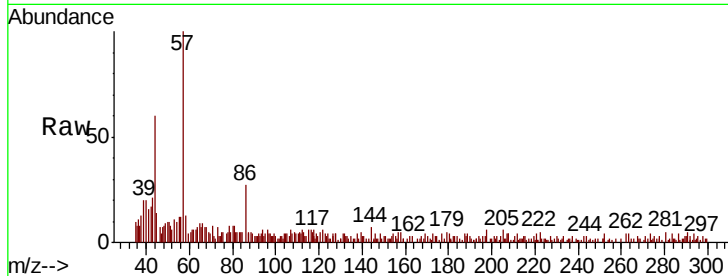
MSVOA_X

ClientSampleId :

Z5-S1GW-200407

Tot Ion: 88 Resp: 154

Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.1	45.1#
58	0.0	60.6	90.8#



#50

Toluene-d8

Concen: 50.935 ug/l

RT: 8.70 min Scan# 1281

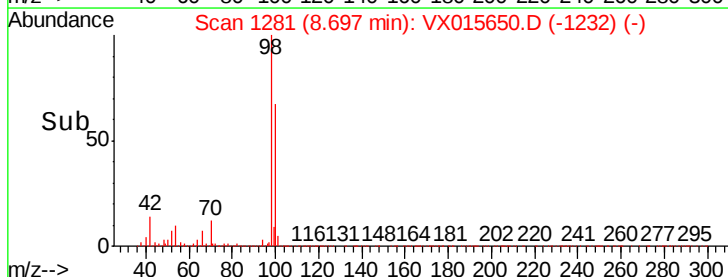
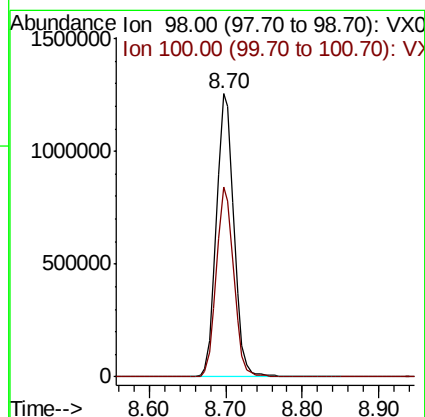
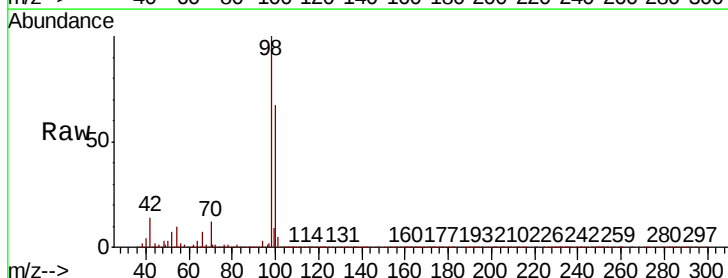
Delta R.T. 0.00 min

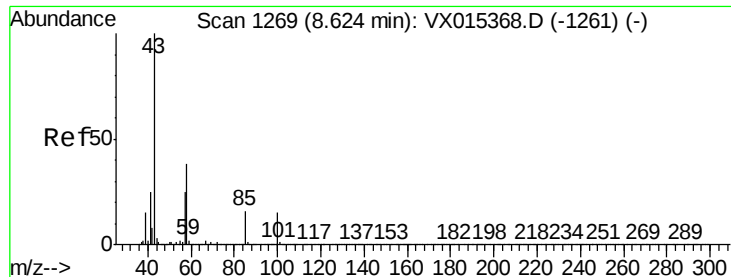
Lab File: VX015650.D

Acq: 13 Apr 2020 18:19

Tgt Ion: 98 Resp: 1989728

Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.5	80.3





#51

4-Methyl-2-Pentanone

Concen: 0.217 ug/l

RT: 8.62 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VX015650.D

Acq: 13 Apr 2020 18:19

Instrument :

MSVOA_X

ClientSampleId :

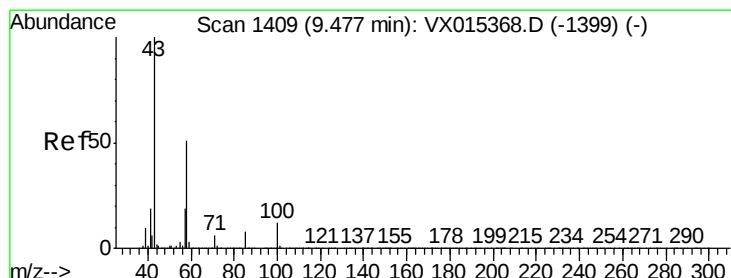
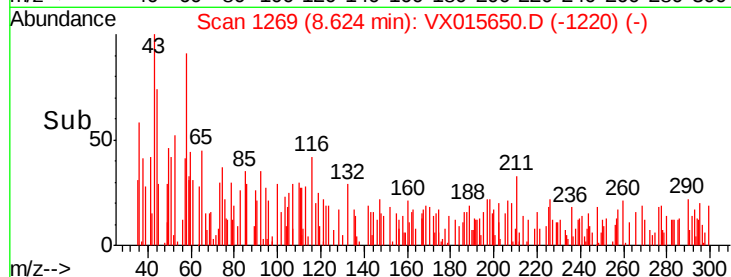
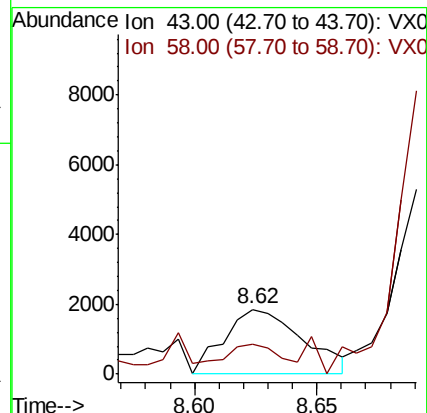
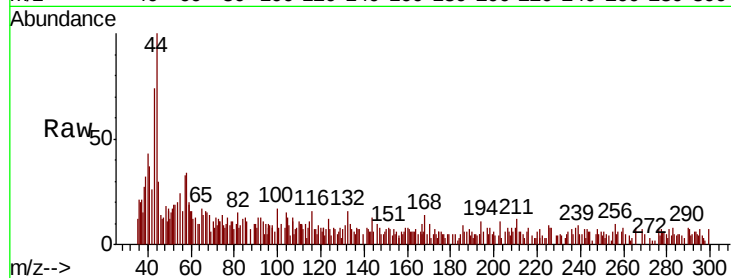
Z5-S1GW-200407

Tot Ion: 43 Resp: 4138

Ion Ratio Lower Upper

43 100

58 13.8 29.7 44.5#



#59

2-Hexanone

Concen: 1.540 ug/l

RT: 9.48 min Scan# 1409

Delta R.T. 0.00 min

Lab File: VX015650.D

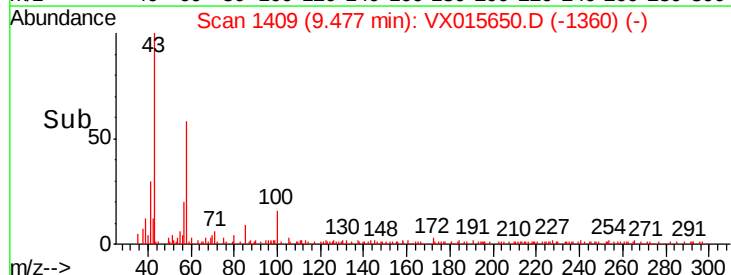
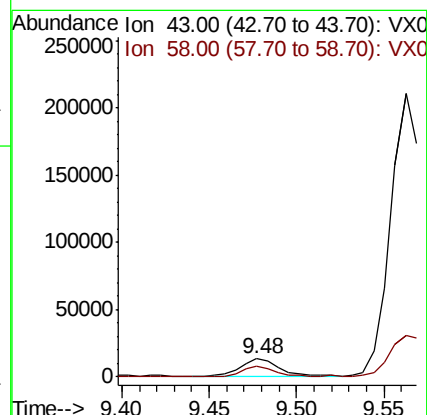
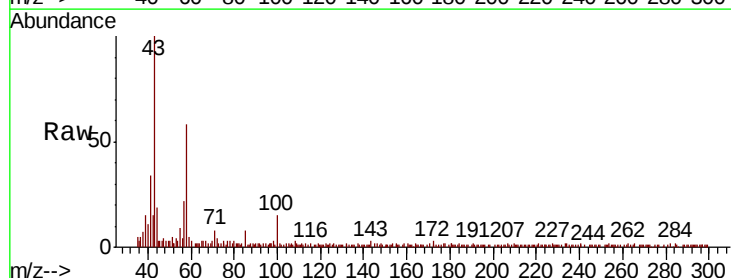
Acq: 13 Apr 2020 18:19

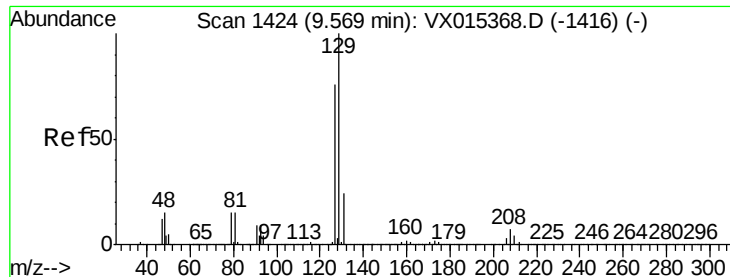
Tgt Ion: 43 Resp: 22143

Ion Ratio Lower Upper

43 100

58 46.2 25.6 76.6





#60

Dibromochloromethane

Concen: 1.474 ug/l

RT: 9.57 min Scan# 1424

Delta R.T. 0.00 min

Lab File: VX015650.D

Acq: 13 Apr 2020 18:19

Instrument :

MSVOA_X

ClientSampleId :

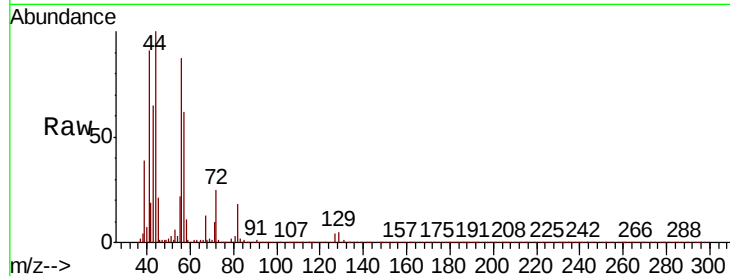
Z5-S1GW-200407

Tot Ion:129 Resp: 20041

Ion Ratio Lower Upper

129 100

127 78.6 38.2 114.6



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.57

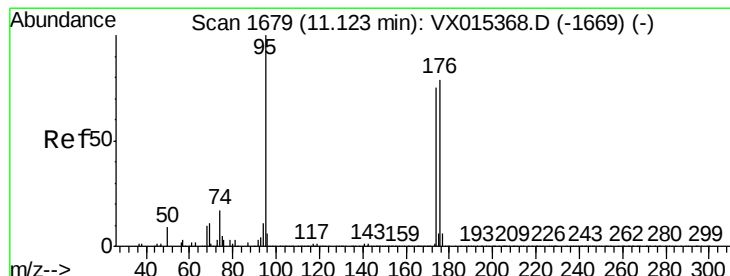
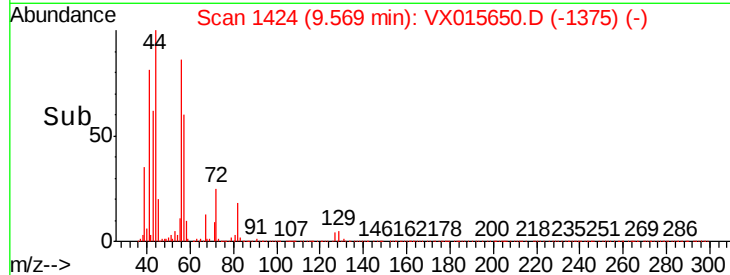
10000

5000

0

9.50 9.55 9.60 9.65

Time-->



#62

4-Bromofluorobenzene

Concen: 53.739 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015650.D

Acq: 13 Apr 2020 18:19

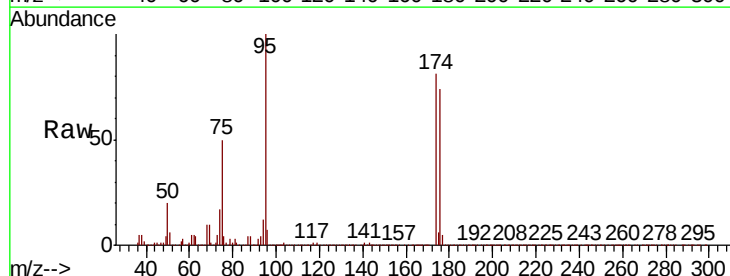
Tgt Ion: 95 Resp: 853141

Ion Ratio Lower Upper

95 100

174 82.8 0.0 158.6

176 79.2 0.0 159.0



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

11.12

800000

600000

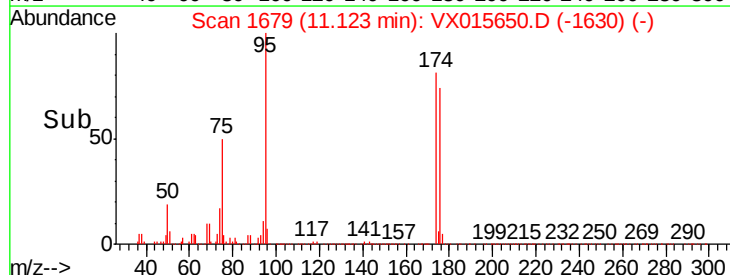
400000

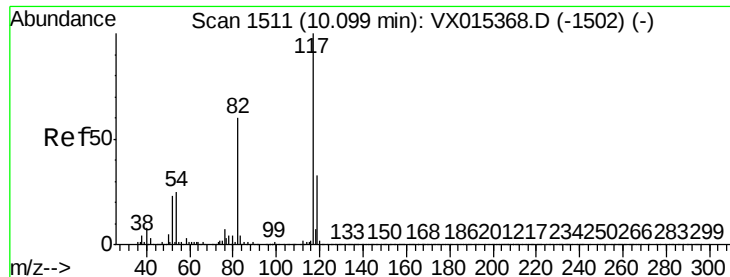
200000

0

11.00 11.10 11.20

Time-->

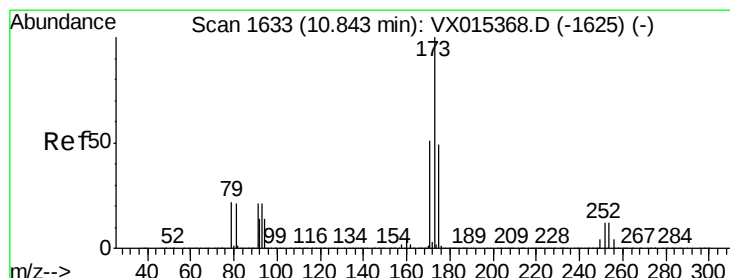
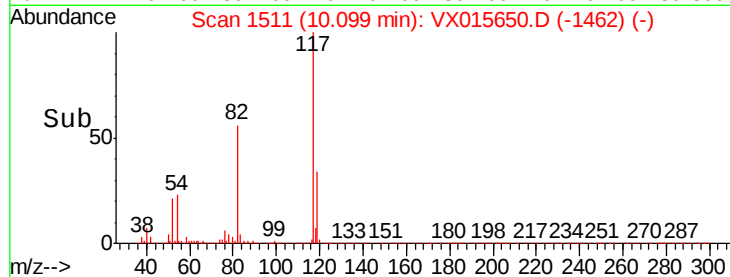
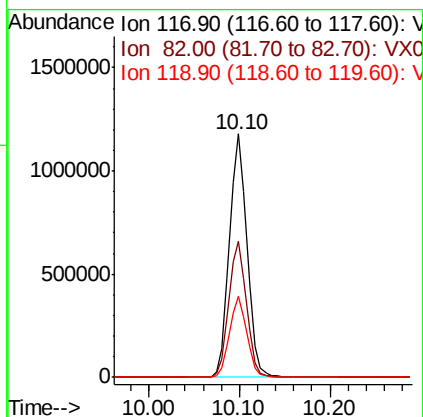
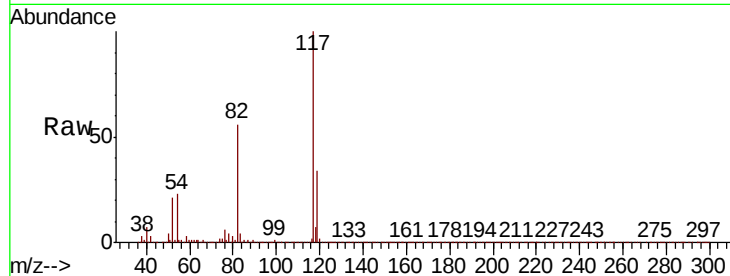




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015650.D
Acq: 13 Apr 2020 18:19

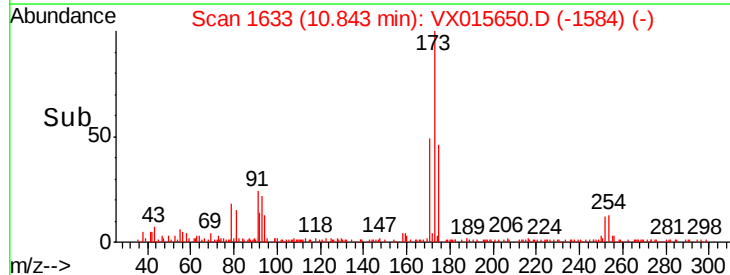
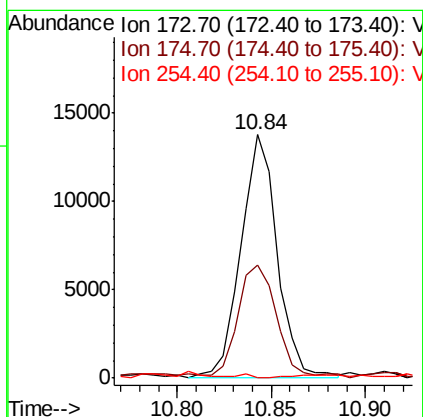
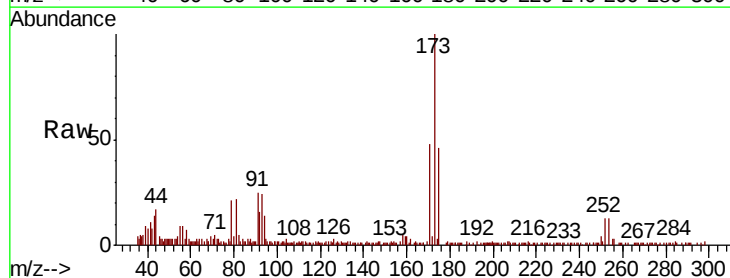
Instrument :
MSVOA_X
ClientSampleId :
Z5-S1GW-200407

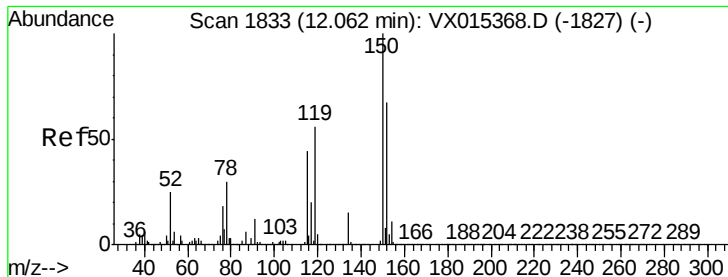
Tot Ion:117 Resp: 1593518
Ion Ratio Lower Upper
117 100
82 55.9 47.8 71.8
119 33.5 26.8 40.2



#71
Bromoform
Concen: 1.597 ug/l
RT: 10.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VX015650.D
Acq: 13 Apr 2020 18:19

Tgt Ion:173 Resp: 18452
Ion Ratio Lower Upper
173 100
175 50.3 23.9 71.7
254 0.6 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015650.D

Acq: 13 Apr 2020 18:19

Instrument :

MSVOA_X

ClientSampleId :

Z5-S1GW-200407

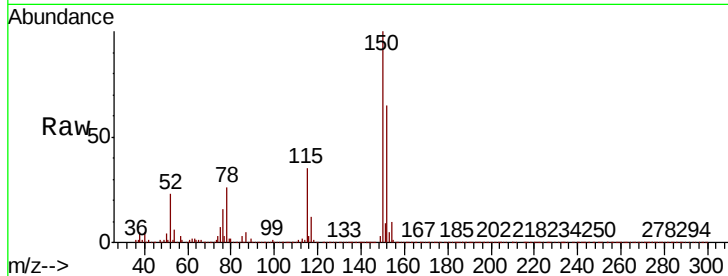
Tot Ion:152 Resp: 912760

Ion Ratio Lower Upper

152 100

115 55.4 39.0 116.9

150 151.7 0.0 340.8

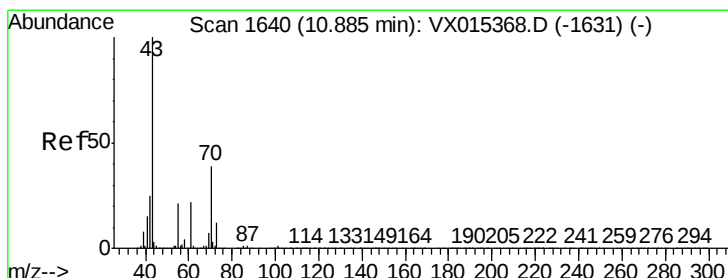
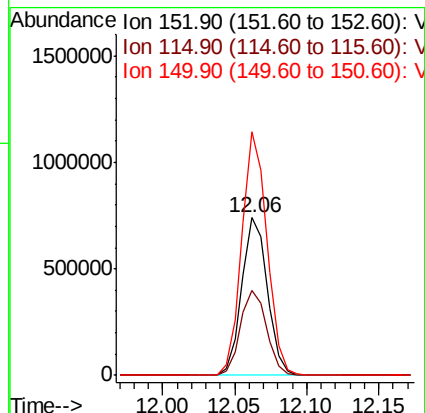
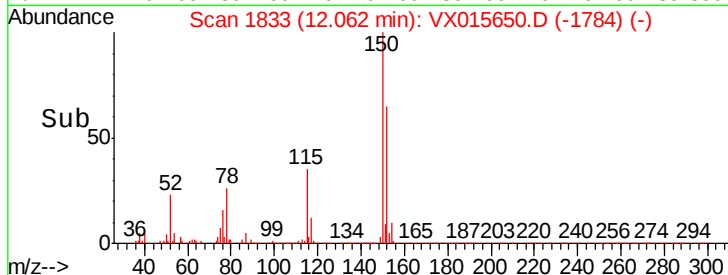


Abundance

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



#74

N-ethyl acetate

Concen: 0.375 ug/l

RT: 10.90 min Scan# 1642

Delta R.T. 0.01 min

Lab File: VX015650.D

Acq: 13 Apr 2020 18:19

Tgt Ion: 43 Resp: 12475

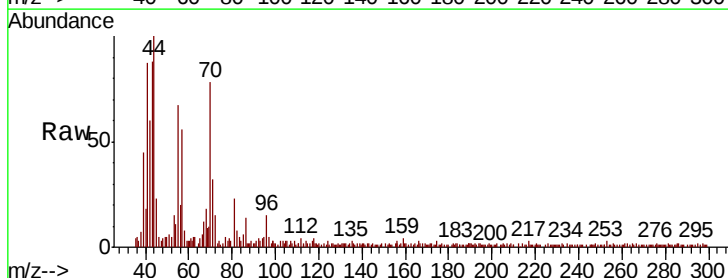
Ion Ratio Lower Upper

43 100

70 97.8 30.2 45.4#

55 77.9 16.8 25.2#

61 0.0 18.2 27.2#



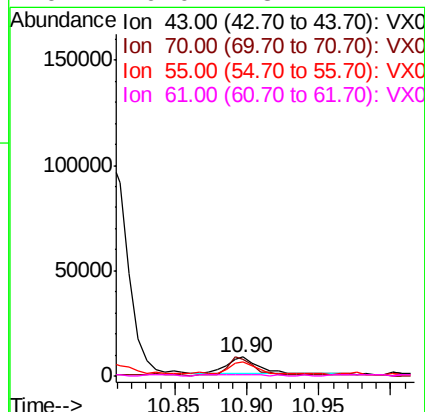
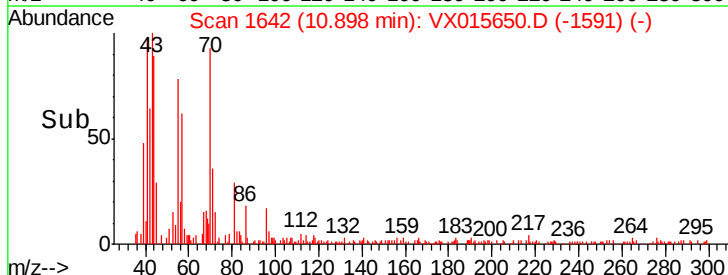
Abundance

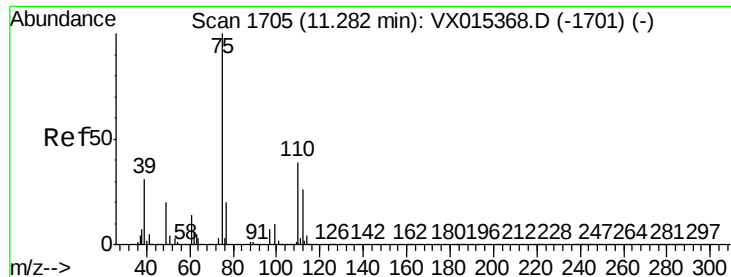
Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 23.072 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015650.D

Acq: 13 Apr 2020 18:19

Instrument :

MSVOA_X

ClientSampleId :

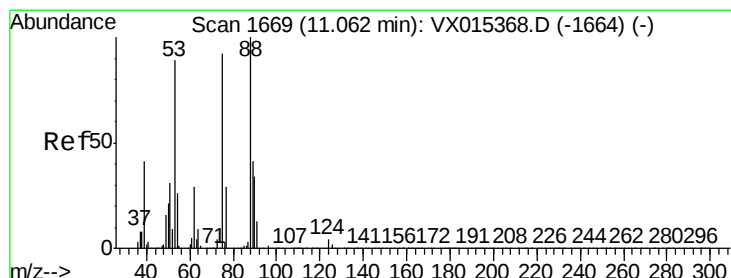
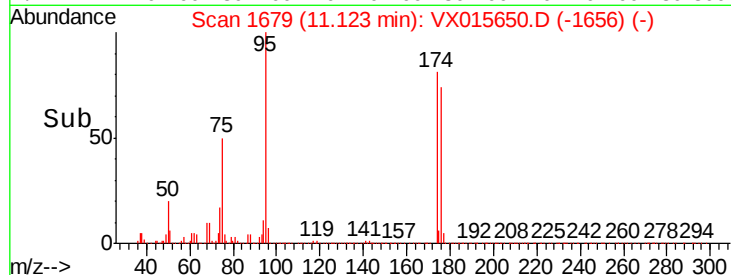
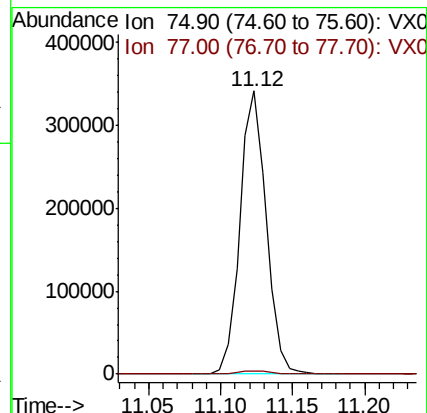
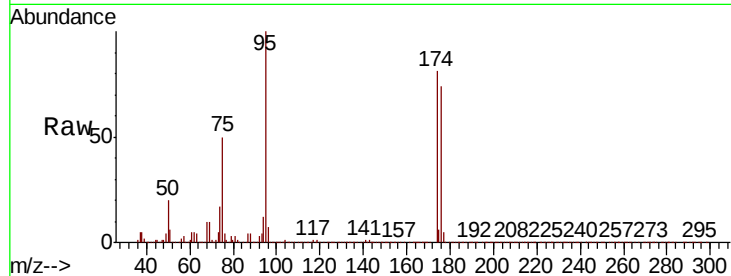
Z5-S1GW-200407

Tot Ion: 75 Resp: 433068

Ion Ratio Lower Upper

75 100

77 1.5 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 55.361 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015650.D

Acq: 13 Apr 2020 18:19

Tgt Ion: 75 Resp: 433068

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

89 0.1 36.1 54.1#

