

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122719\
 Data File : VX014323.D
 Acq On : 27 Dec 2019 20:48
 Operator : JC/SP
 Sample : K6449-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OW-1

Quant Time: Dec 30 05:39:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	502043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	774415	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	697167	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	307466	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	282017	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	
35) Dibromofluoromethane	5.48	113	230378	48.94	ug/l	0.00
Spiked Amount			Recovery	=	97.88%	
50) Toluene-d8	8.71	98	920771	50.24	ug/l	0.00
Spiked Amount			Recovery	=	100.48%	
62) 4-Bromofluorobenzene	11.13	95	309442	46.19	ug/l	0.00
Spiked Amount			Recovery	=	92.38%	

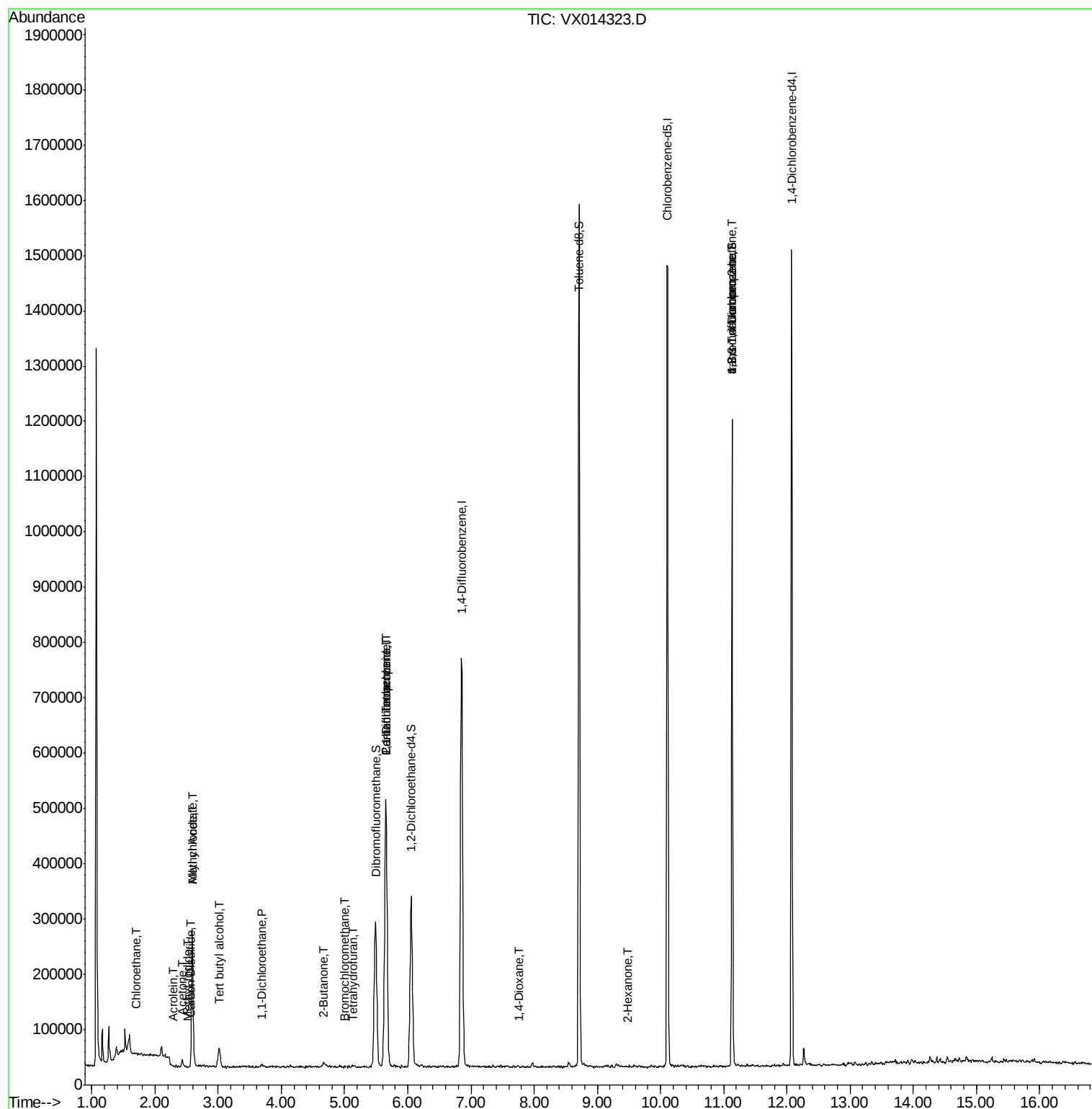
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.71	64	1298	0.331	ug/l #	48
10) Methyl Iodide	2.52	142	200	2.651	ug/l #	1
11) Tert butyl alcohol	3.02	59	35559	28.922	ug/l	95
13) Acrolein	2.28	56	480	0.682	ug/l #	14
14) Allyl chloride	2.59	41	23853	2.766	ug/l #	60
16) Acetone	2.43	43	14523	3.932	ug/l	91
17) Carbon Disulfide	2.56	76	1873	0.888	ug/l #	89
18) Methyl Acetate	2.59	43	64068	8.753	ug/l #	52
24) 1,1-Dichloroethane	3.69	63	6879	0.720	ug/l #	91
25) 2-Butanone	4.67	43	2997	0.658	ug/l #	54
28) Bromochloromethane	5.00	49	261	0.524	ug/l #	73
29) Tetrahydrofuran	5.13	42	1041	0.409	ug/l #	44
36) 1,1-Dichloropropene	5.65	75	33373	4.697	ug/l #	51
38) Carbon Tetrachloride	5.65	117	45809	7.077	ug/l #	18
49) 1,4-Dioxane	7.76	88	215	1.661	ug/l #	17
59) 2-Hexanone	9.49	43	1540	0.235	ug/l	80
76) 1,2,3-Trichloropropane	11.13	75	148680	22.274	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	148680	62.869	ug/l #	11

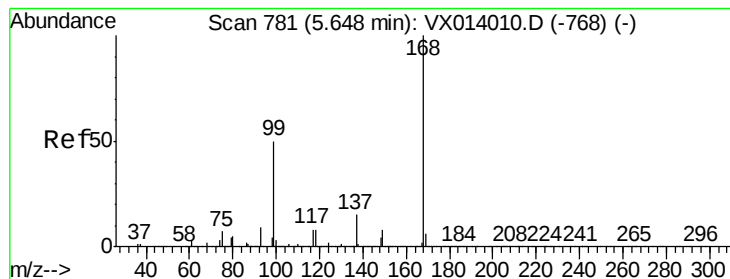
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014323.D

Acq: 27 Dec 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

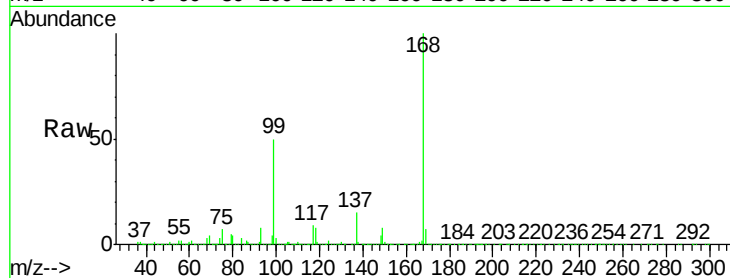
OW-1

Tgt Ion: 168 Resp: 502043

Ion Ratio Lower Upper

168 100

99 50.0 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

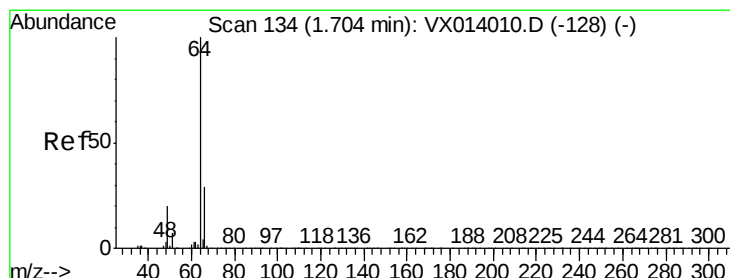
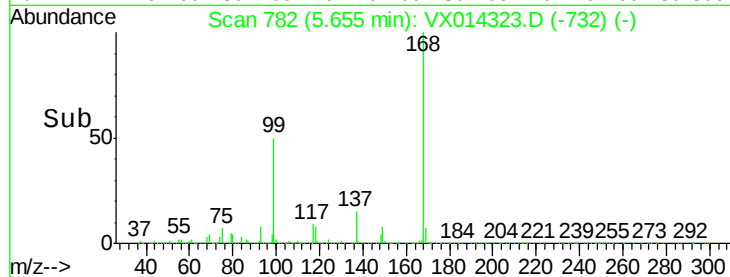
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 0.331 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX014323.D

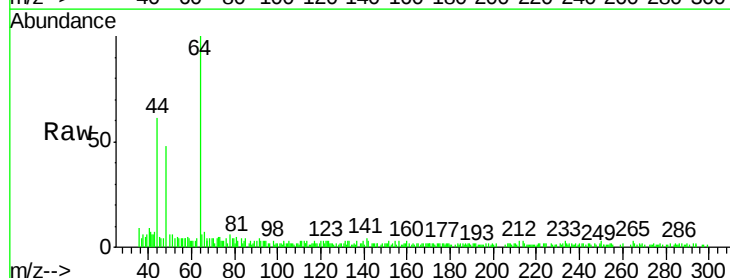
Acq: 27 Dec 2019 20:48

Tgt Ion: 64 Resp: 1298

Ion Ratio Lower Upper

64 100

66 1.6 23.4 35.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

8000

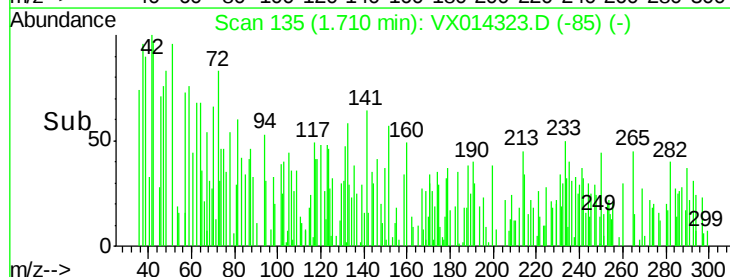
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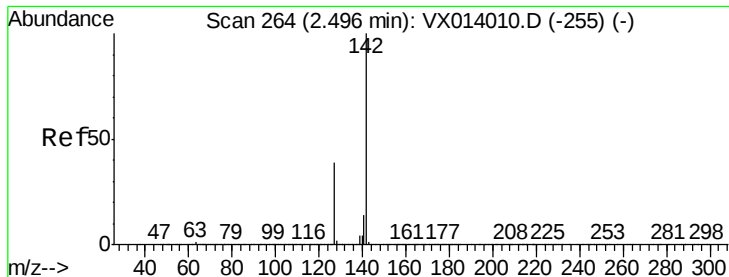
4000

2000

0

Time-->

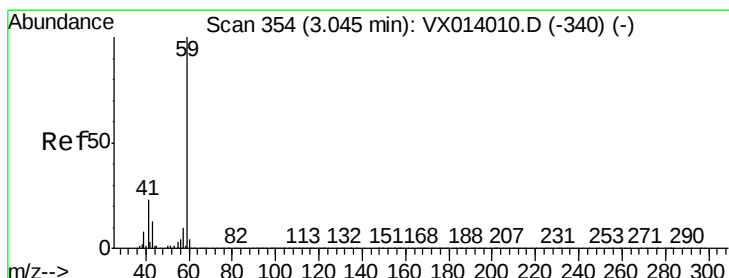
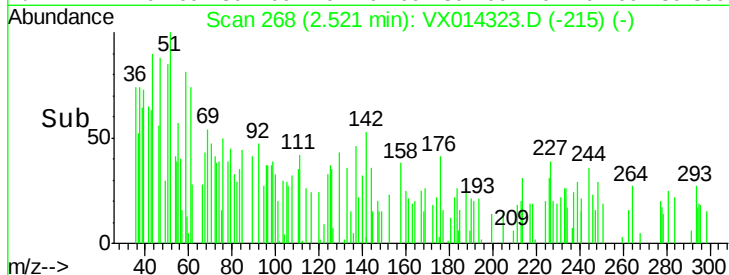
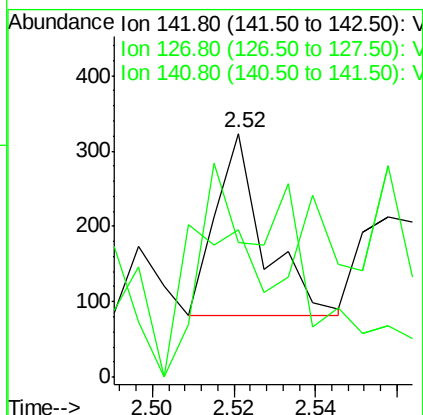
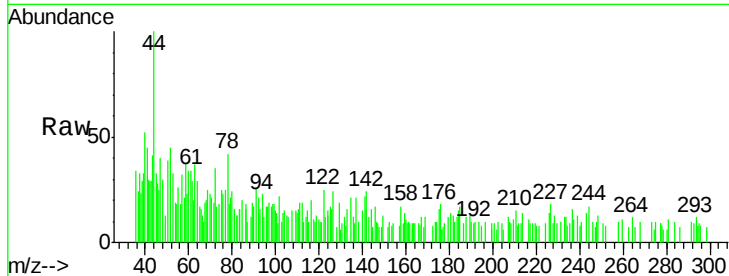




#10
Methyl Iodide
Concen: 2.651 ug/l
RT: 2.52 min Scan# 268
Delta R.T. 0.03 min
Lab File: VX014323.D
Acq: 27 Dec 2019 20:48

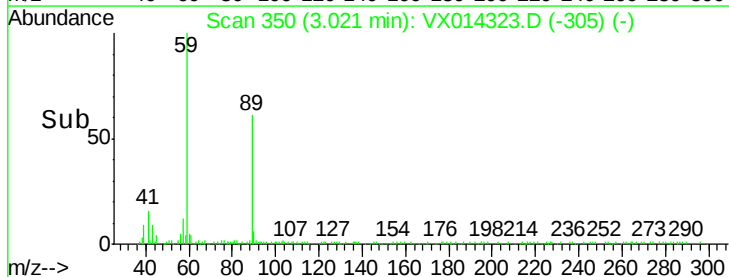
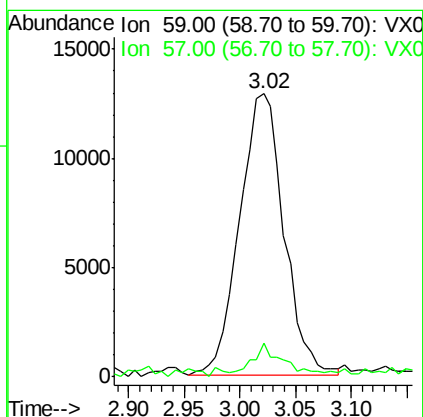
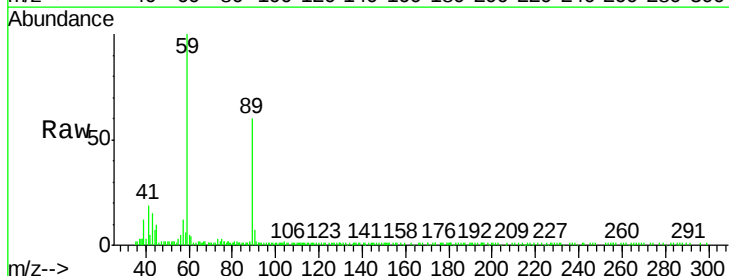
Instrument :
MSVOA_X
ClientSampleId :
OW-1

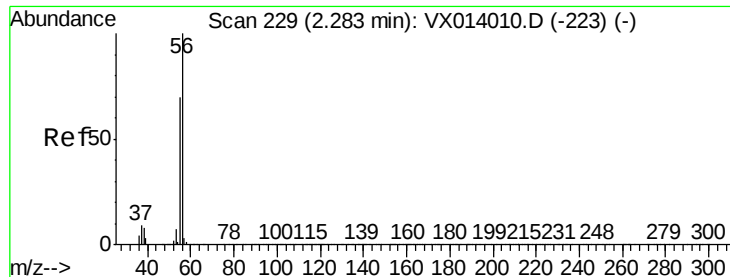
Tgt Ion:142 Resp: 200
Ion Ratio Lower Upper
142 100
127 125.5 31.6 47.4#
141 216.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 28.922 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.02 min
Lab File: VX014323.D
Acq: 27 Dec 2019 20:48

Tgt Ion: 59 Resp: 35559
Ion Ratio Lower Upper
59 100
57 8.6 8.4 12.6

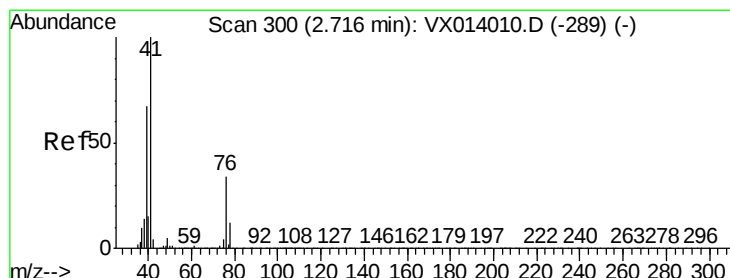
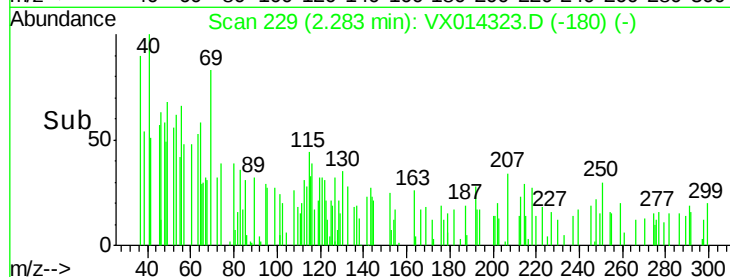
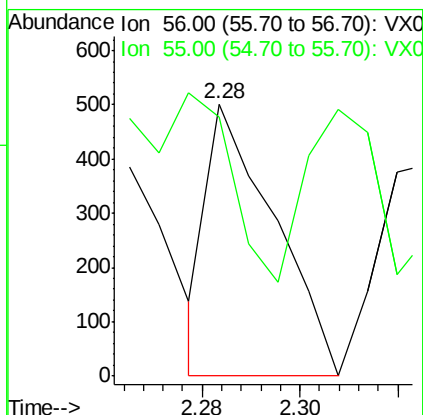
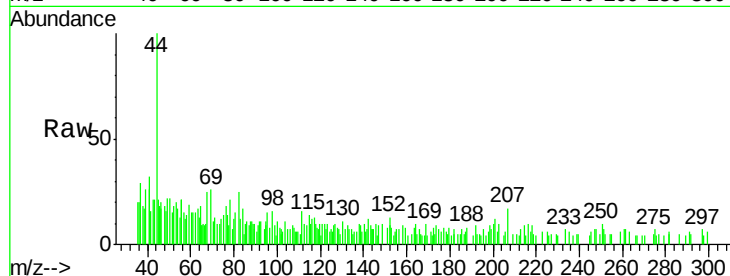




#13
Acrolein
Concen: 0.682 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX014323.D
Acq: 27 Dec 2019 20:48

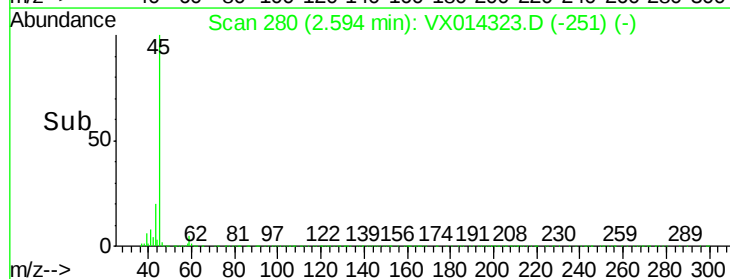
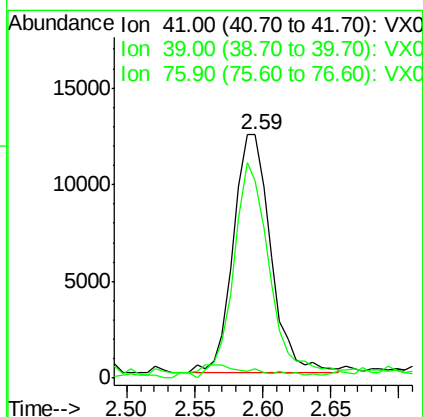
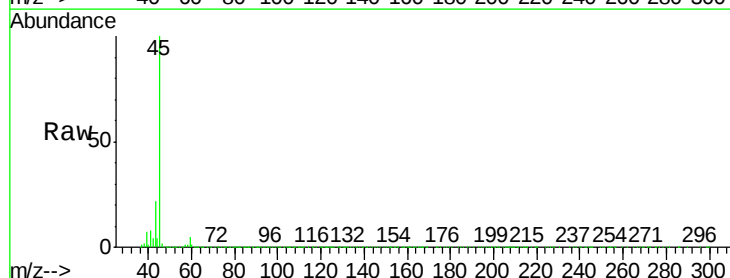
Instrument :
MSVOA_X
ClientSampled :
OW-1

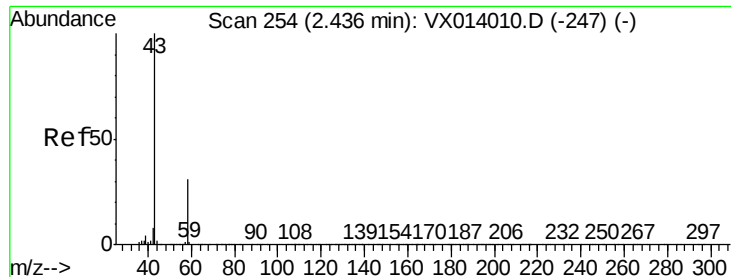
Tgt Ion: 56 Resp: 480
Ion Ratio Lower Upper
56 100
55 0.0 56.9 85.3#



#14
Allyl chloride
Concen: 2.766 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.12 min
Lab File: VX014323.D
Acq: 27 Dec 2019 20:48

Tgt Ion: 41 Resp: 23853
Ion Ratio Lower Upper
41 100
39 89.8 51.8 77.8#
76 0.0 25.9 38.9#





#16

Acetone

Concen: 3.932 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014323.D

Acq: 27 Dec 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

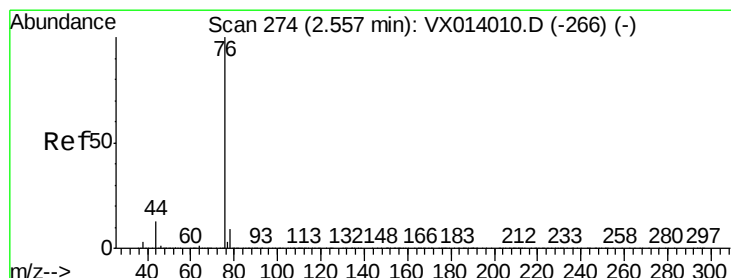
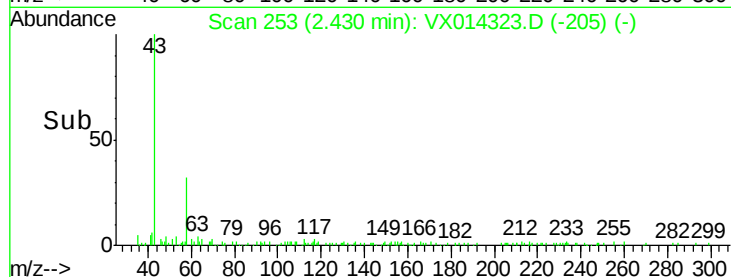
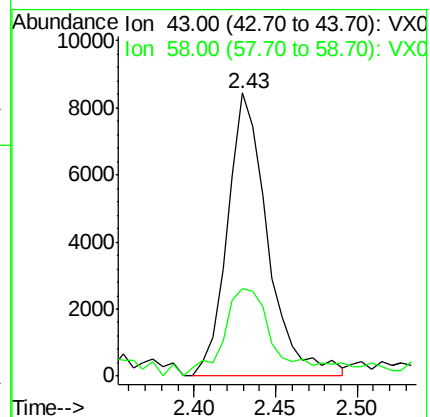
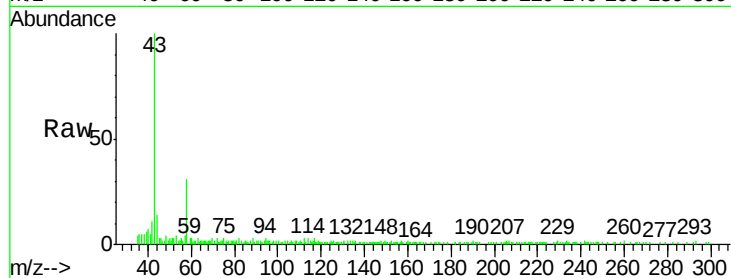
OW-1

Tgt Ion: 43 Resp: 14523

Ion Ratio Lower Upper

43 100

58 26.2 24.9 37.3



#17

Carbon Disulfide

Concen: 0.888 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX014323.D

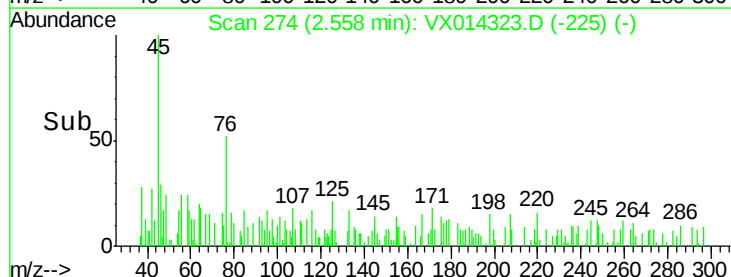
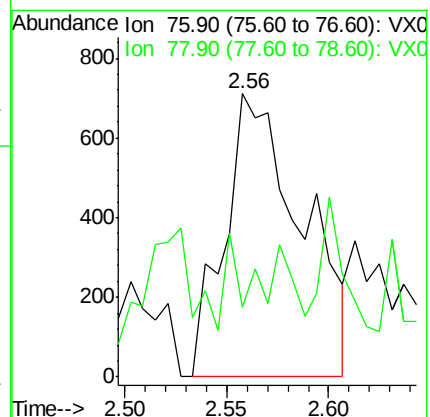
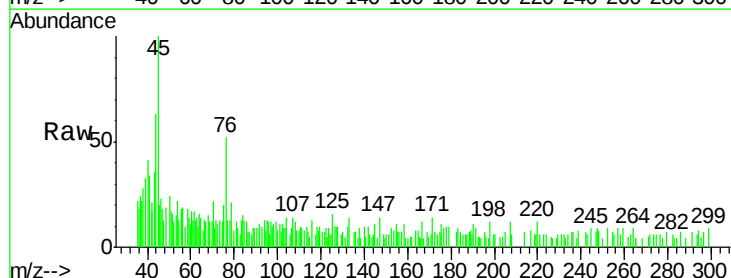
Acq: 27 Dec 2019 20:48

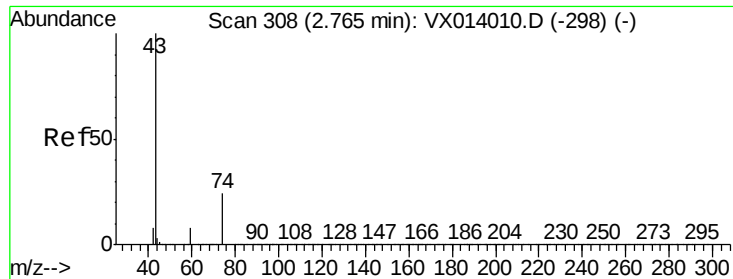
Tgt Ion: 76 Resp: 1873

Ion Ratio Lower Upper

76 100

78 5.1 7.2 10.8#

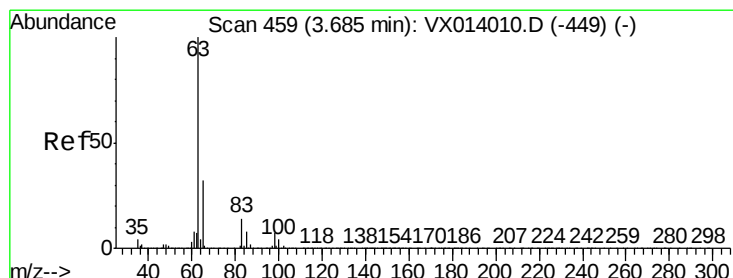
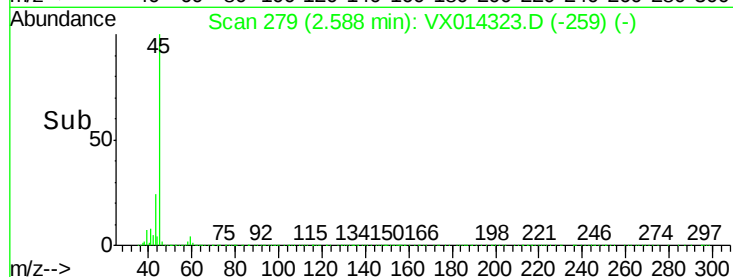
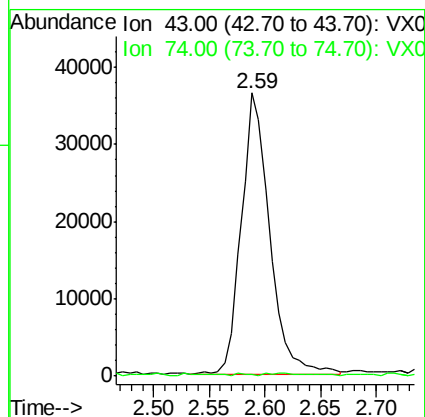
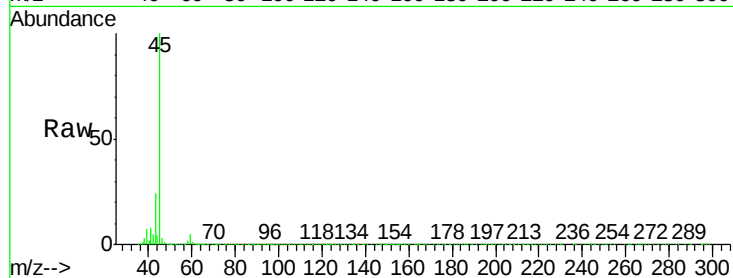




#18
Methyl Acetate
Concen: 8.753 ug/l
RT: 2.59 min Scan# 279
Delta R.T. -0.18 min
Lab File: VX014323.D
Acq: 27 Dec 2019 20:48

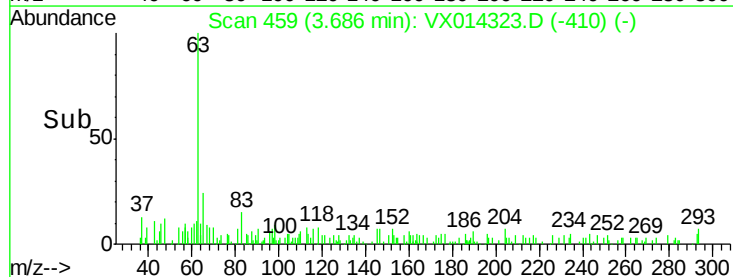
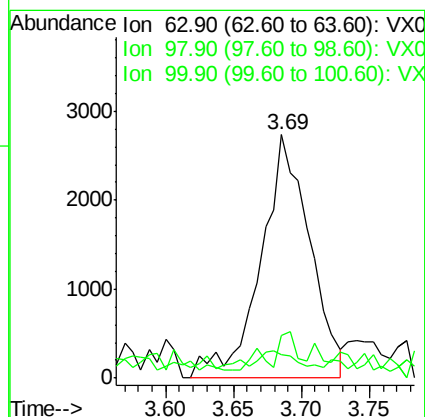
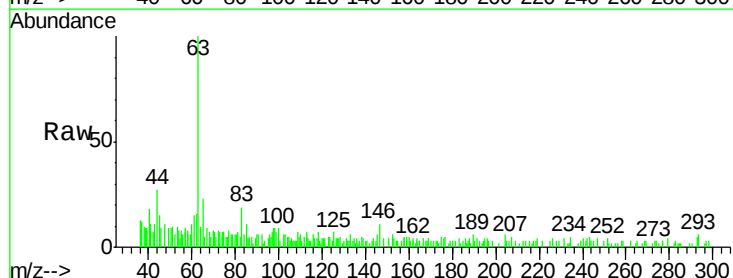
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OW-1

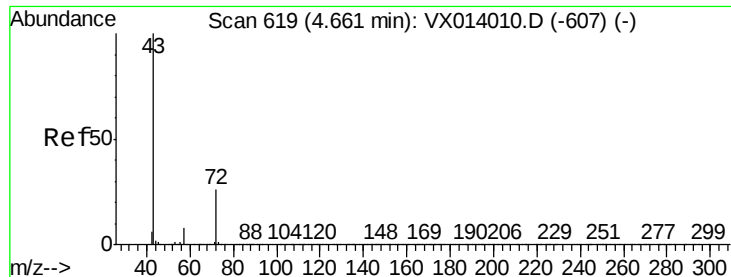
Tgt Ion: 43 Resp: 64068
Ion Ratio Lower Upper
43 100
74 0.5 19.5 29.3#



#24
1,1-Dichloroethane
Concen: 0.720 ug/l
RT: 3.69 min Scan# 459
Delta R.T. 0.00 min
Lab File: VX014323.D
Acq: 27 Dec 2019 20:48

Tgt Ion: 63 Resp: 6879
Ion Ratio Lower Upper
63 100
98 10.1 3.6 10.8
100 8.1 2.3 6.8#





#25

2-Butanone

Concen: 0.658 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX014323.D

Acq: 27 Dec 2019 20:48

Instrument :

MSVOA_X

ClientSampled :

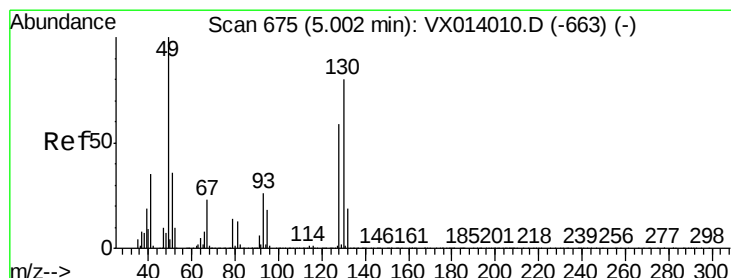
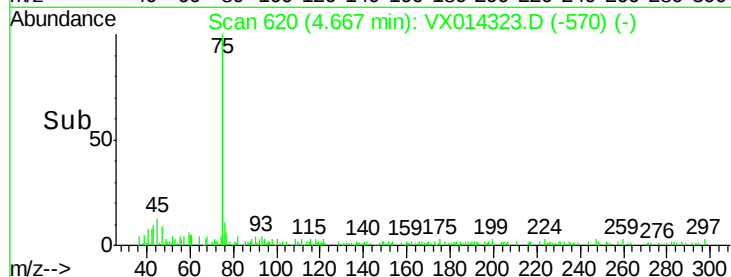
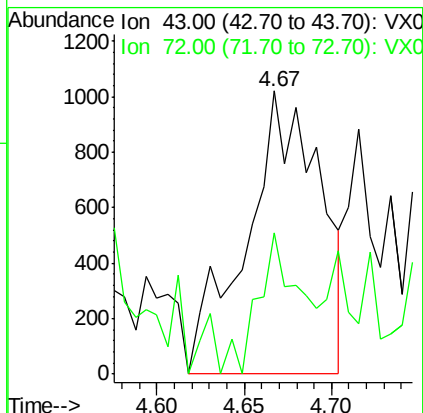
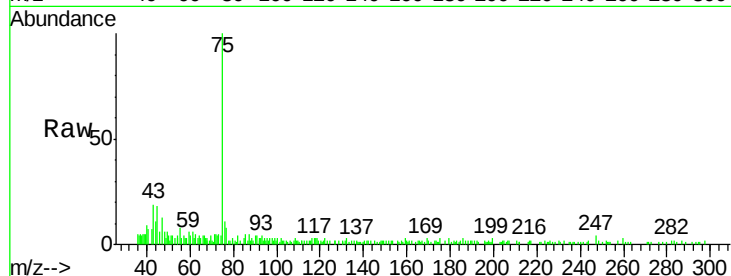
OW-1

Tgt Ion: 43 Resp: 2997

Ion Ratio Lower Upper

43 100

72 49.9 21.0 31.4#



#28

Bromochloromethane

Concen: 0.524 ug/l

RT: 5.00 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX014323.D

Acq: 27 Dec 2019 20:48

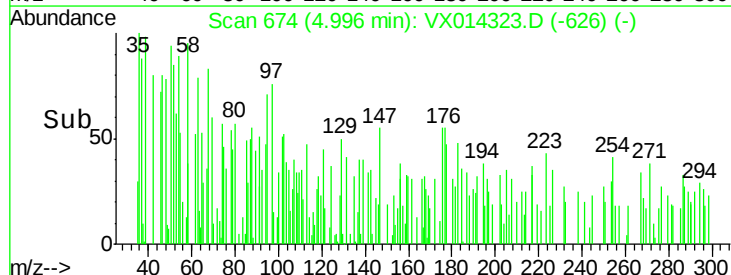
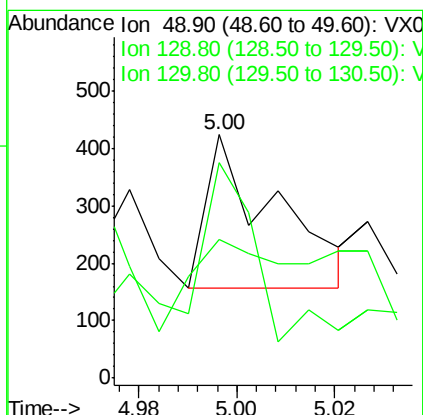
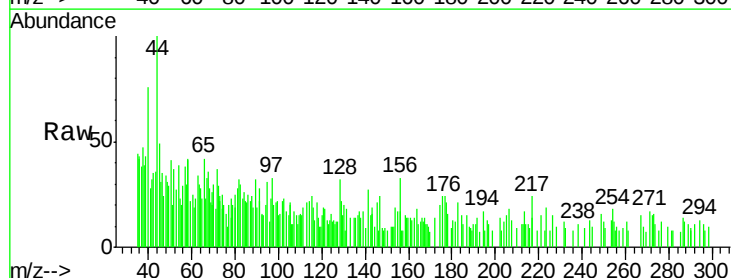
Tgt Ion: 49 Resp: 261

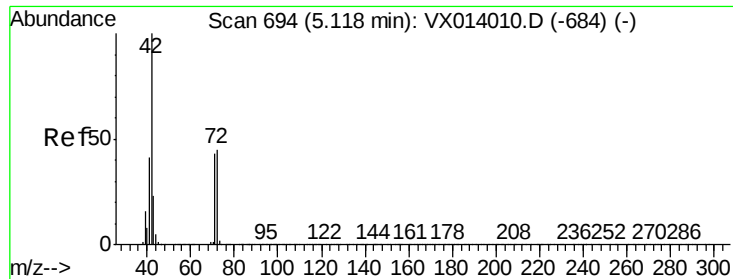
Ion Ratio Lower Upper

49 100

129 205.7 0.0 5.0#

130 88.9 64.6 97.0

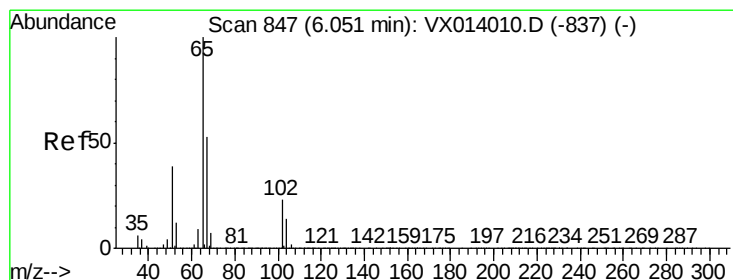
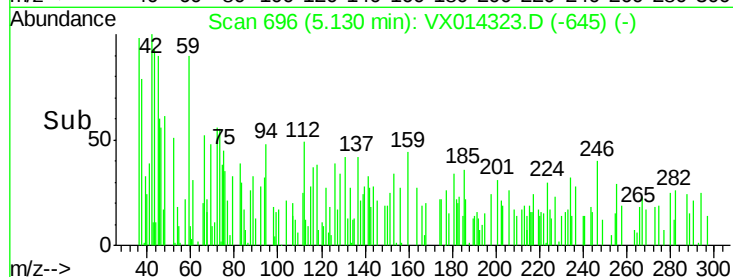
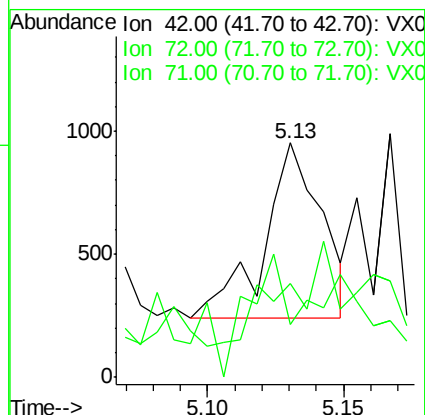
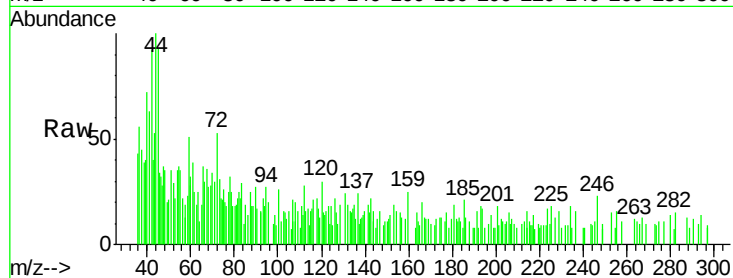




#29
Tetrahydrofuran
Concen: 0.409 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.01 min
Lab File: VX014323.D
Acq: 27 Dec 2019 20:48

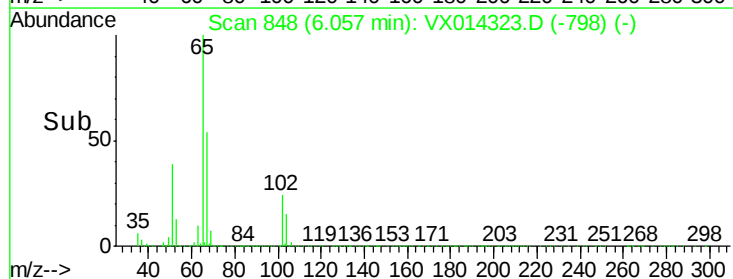
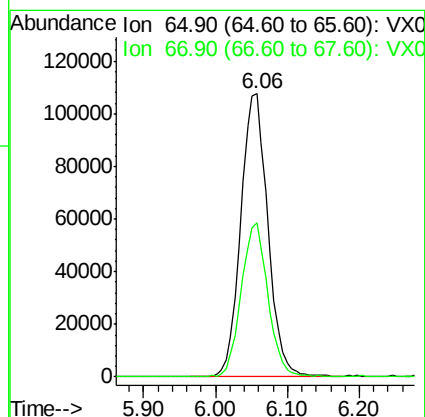
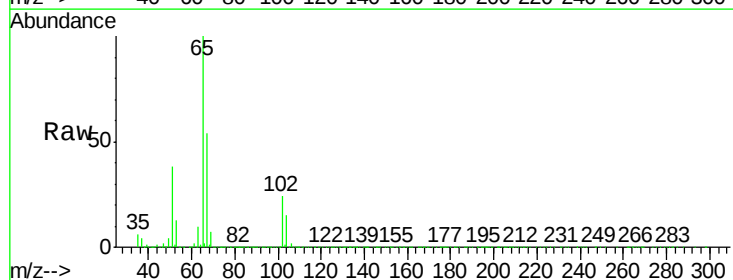
Instrument :
MSVOA_X
ClientSampled :
OW-1

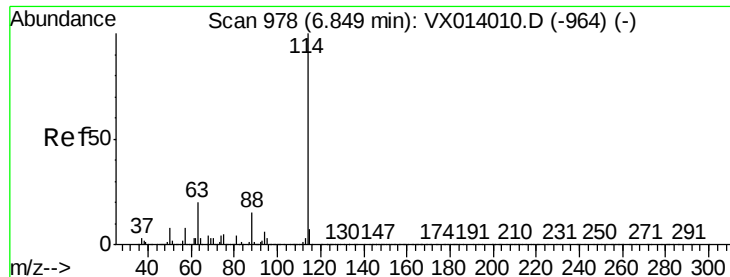
Tgt Ion: 42 Resp: 1041
Ion Ratio Lower Upper
42 100
72 0.0 35.8 53.8#
71 68.3 33.6 50.4#



#33
1,2-Dichloroethane-d4
Concen: 49.564 ug/l
RT: 6.06 min Scan# 848
Delta R.T. 0.01 min
Lab File: VX014323.D
Acq: 27 Dec 2019 20:48

Tgt Ion: 65 Resp: 282017
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014323.D

Acq: 27 Dec 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

OW-1

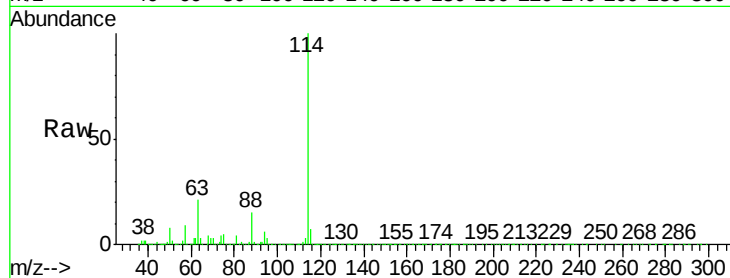
Tgt Ion:114 Resp: 774415

Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.8

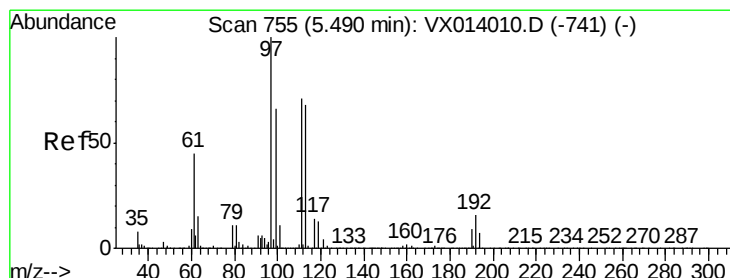
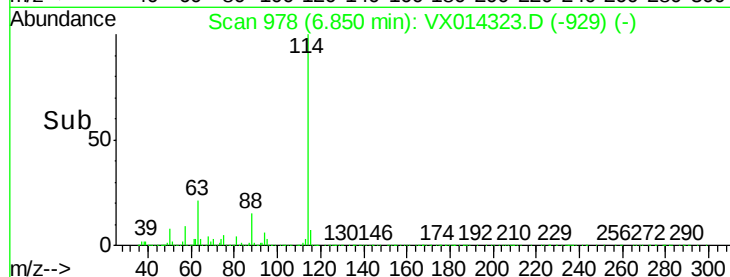
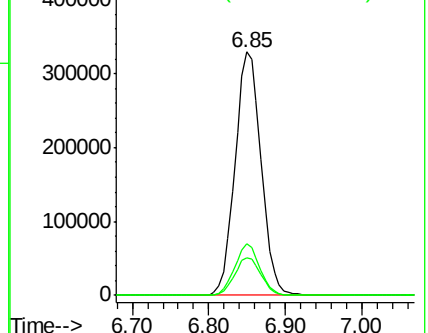
88 15.4 0.0 30.4



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: 48.938 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX014323.D

Acq: 27 Dec 2019 20:48

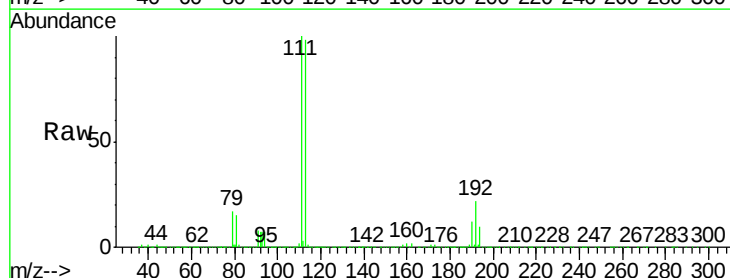
Tgt Ion:113 Resp: 230378

Ion Ratio Lower Upper

113 100

111 103.1 82.0 123.0

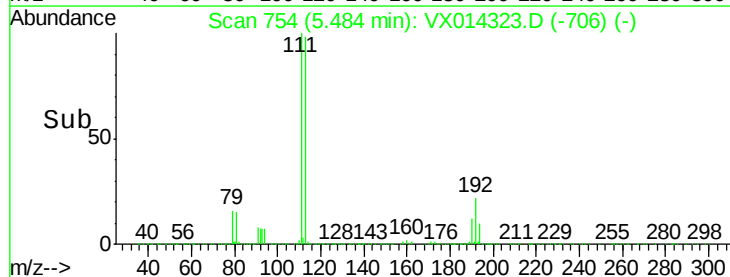
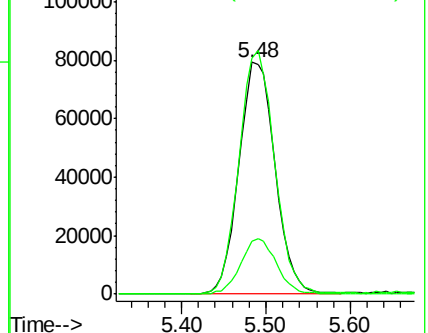
192 23.6 19.3 28.9

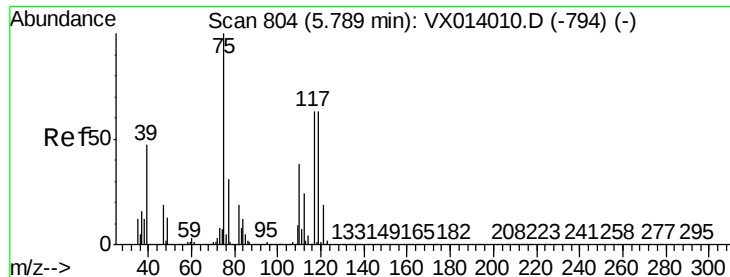


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

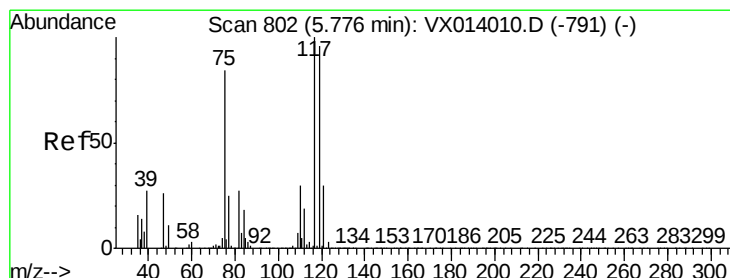
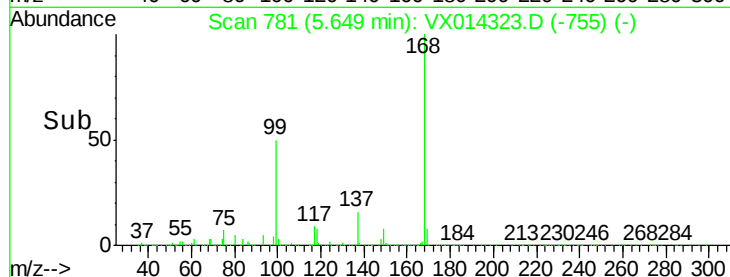
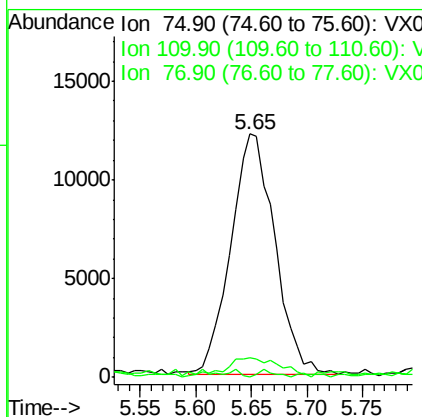
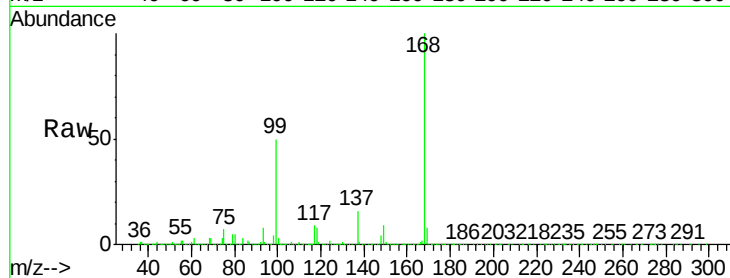




#36
 1,1-Dichloropropene
 Concen: 4.697 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX014323.D
 Acq: 27 Dec 2019 20:48

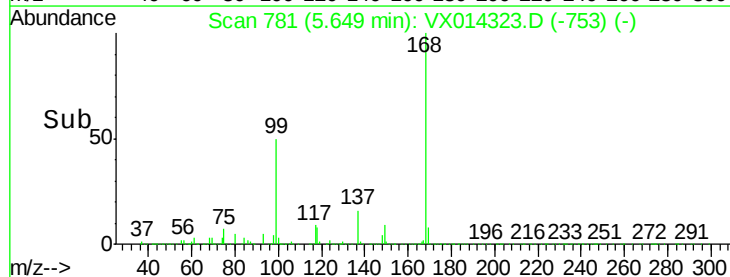
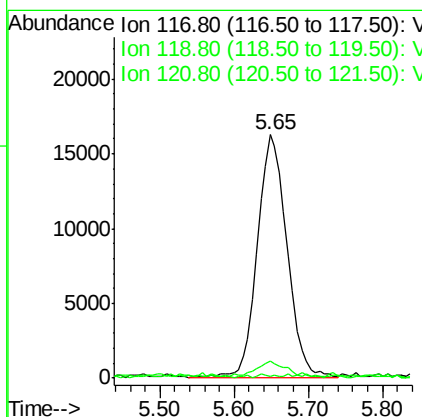
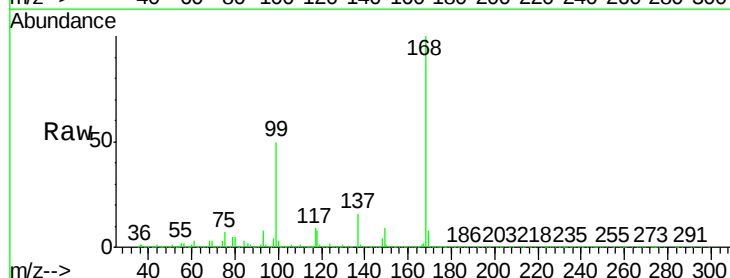
Instrument :
 MSVOA_X
 ClientSampleId :
 OW-1

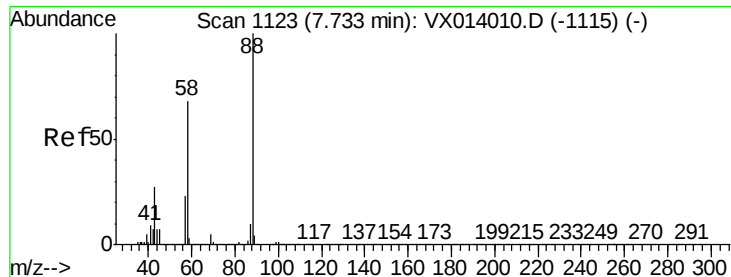
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.8	18.3	54.9#
77	0.7	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 7.077 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX014323.D
 Acq: 27 Dec 2019 20:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.7	76.2	114.4#
121	0.0	23.6	35.4#

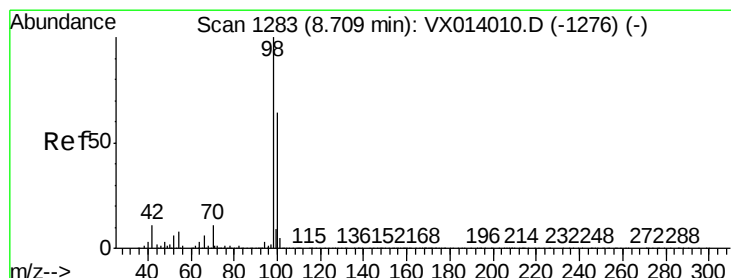
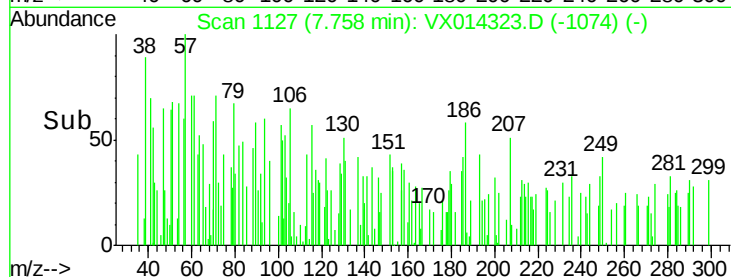
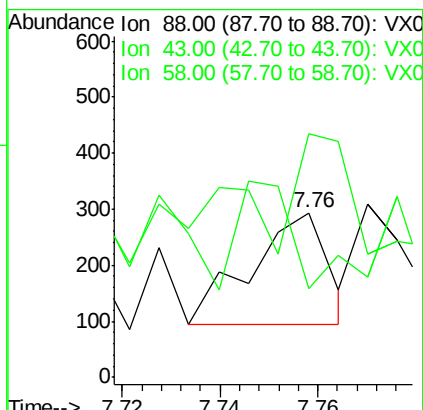
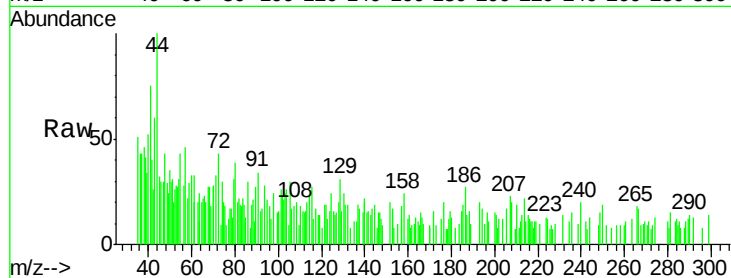




#49
1,4-Dioxane
Concen: 1.661 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. 0.02 min
Lab File: VX014323.D
Acq: 27 Dec 2019 20:48

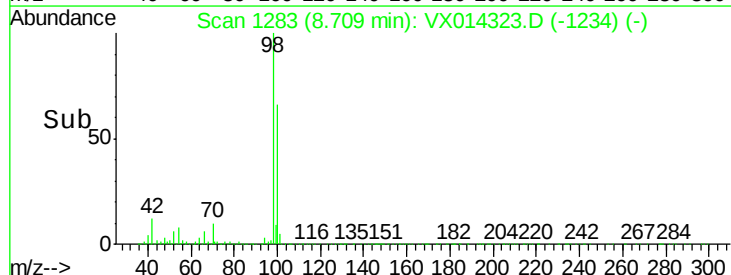
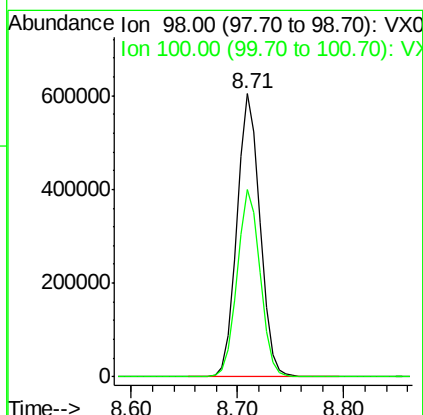
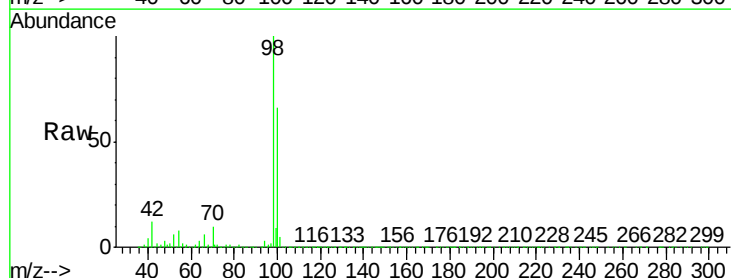
Instrument :
MSVOA_X
ClientSampled :
OW-1

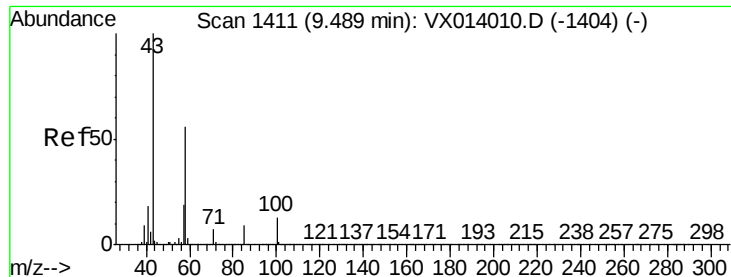
Tgt Ion: 88 Resp: 215
Ion Ratio Lower Upper
88 100
43 169.3 26.5 39.7#
58 78.6 56.8 85.2



#50
Toluene-d8
Concen: 50.239 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014323.D
Acq: 27 Dec 2019 20:48

Tgt Ion: 98 Resp: 920771
Ion Ratio Lower Upper
98 100
100 65.8 52.9 79.3

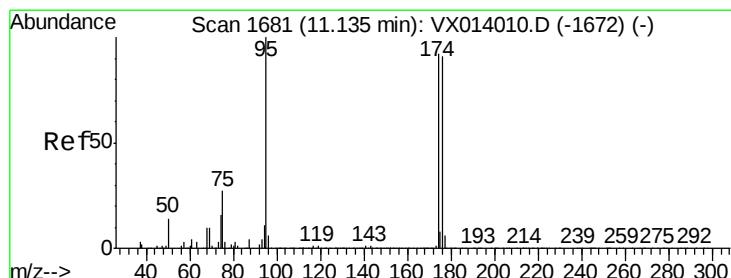
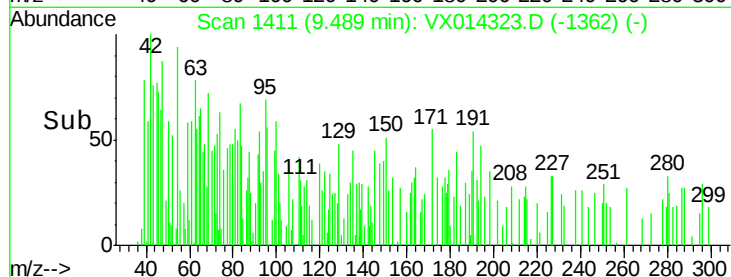
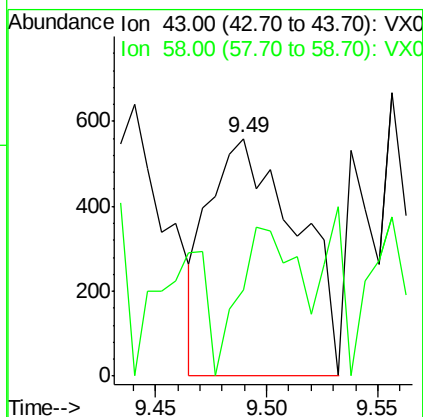
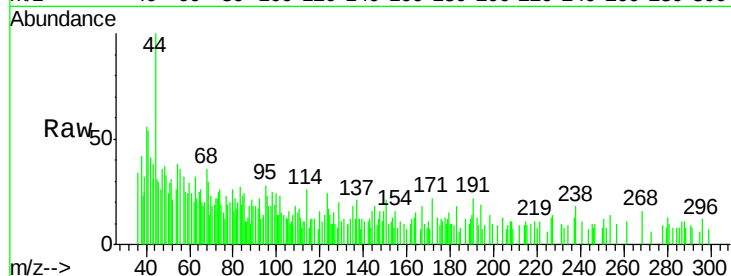




#59
2-Hexanone
Concen: 0.235 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX014323.D
Acq: 27 Dec 2019 20:48

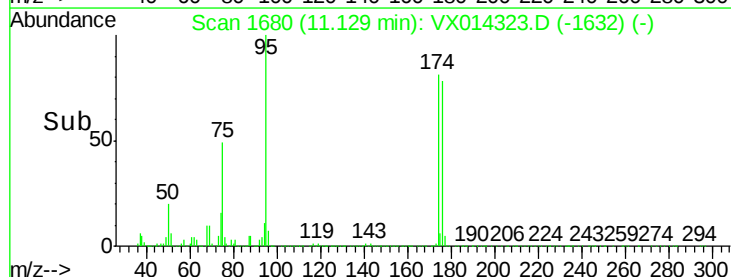
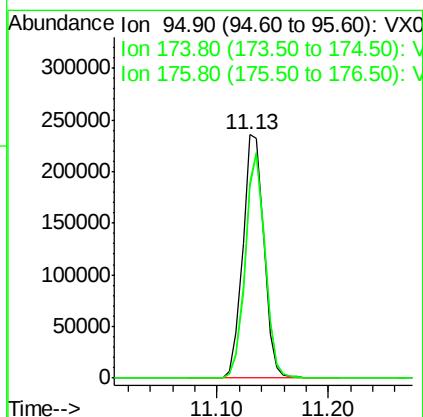
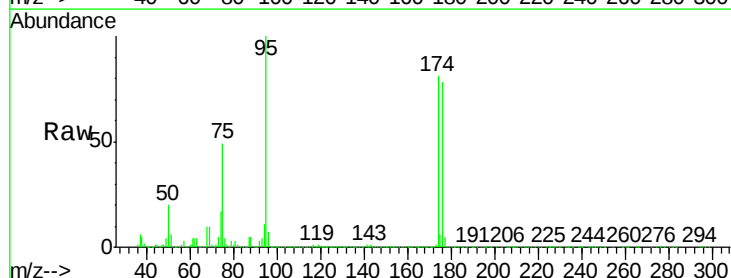
Instrument :
MSVOA_X
ClientSampleId :
OW-1

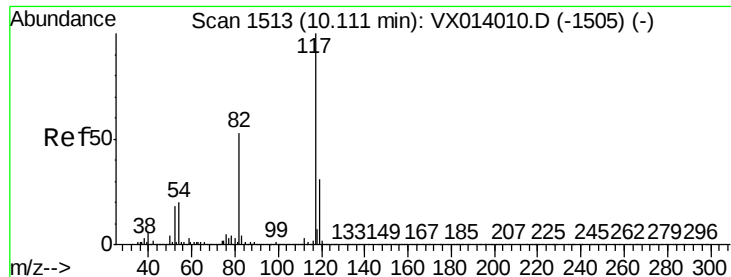
Tgt Ion: 43 Resp: 1540
Ion Ratio Lower Upper
43 100
58 41.6 28.0 84.0



#62
4-Bromofluorobenzene
Concen: 46.188 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014323.D
Acq: 27 Dec 2019 20:48

Tgt Ion: 95 Resp: 309442
Ion Ratio Lower Upper
95 100
174 88.1 0.0 175.8
176 84.9 0.0 173.0

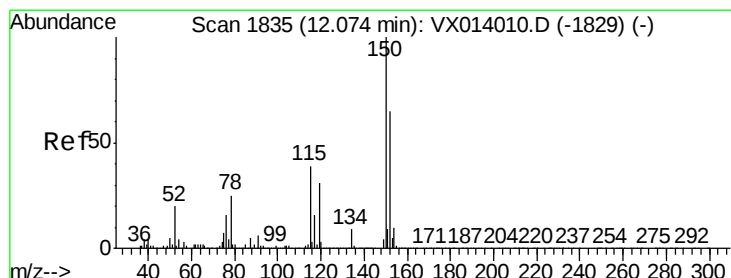
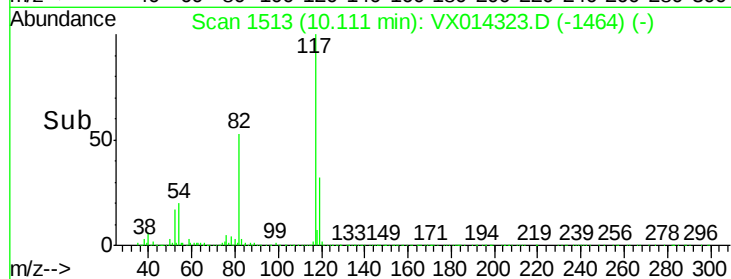
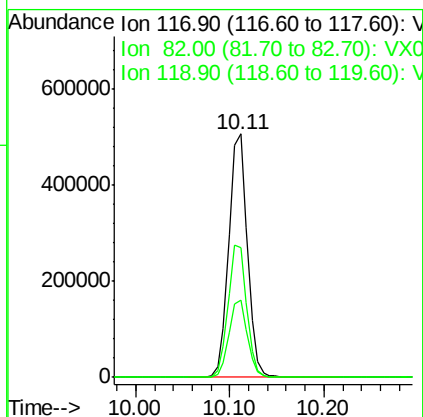
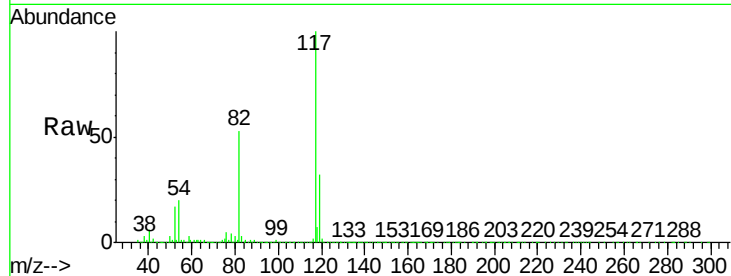




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014323.D
Acq: 27 Dec 2019 20:48

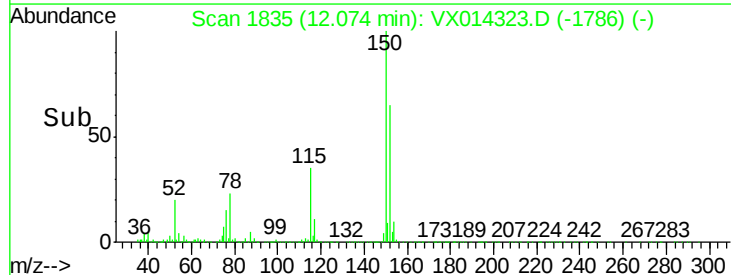
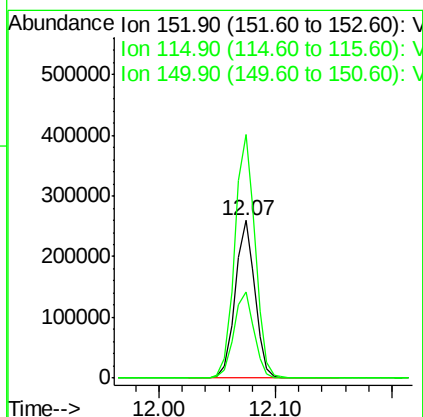
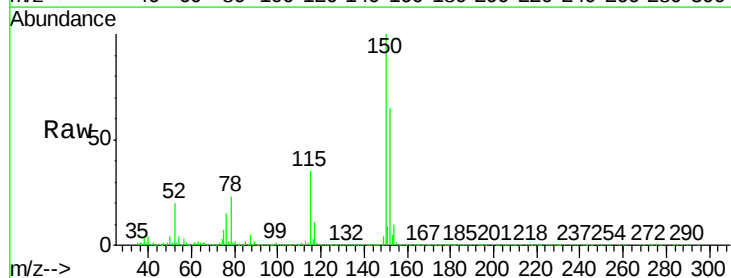
Instrument :
MSVOA_X
ClientSampleId :
OW-1

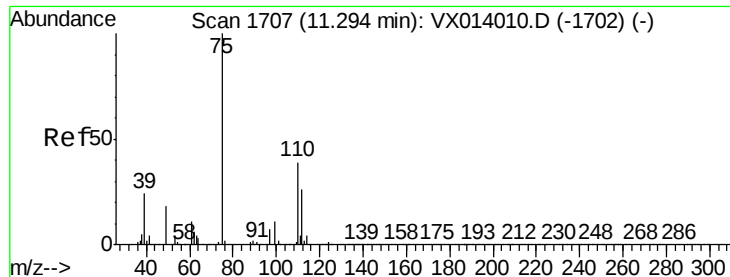
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.2	63.4
119	31.6	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014323.D
Acq: 27 Dec 2019 20:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	38.3	114.9
150	159.7	0.0	345.4





#76

1,2,3-Trichloropropane

Concen: 22.274 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014323.D

Acq: 27 Dec 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

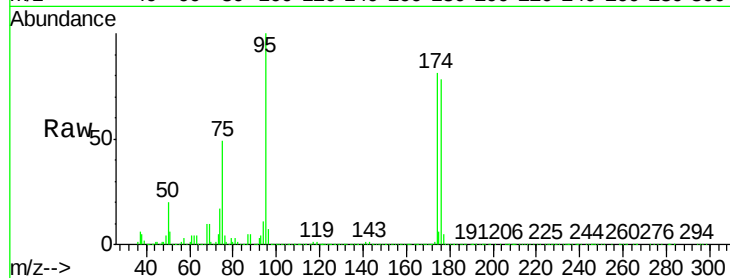
OW-1

Tgt Ion: 75 Resp: 148680

Ion Ratio Lower Upper

75 100

77 1.6 19.3 57.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

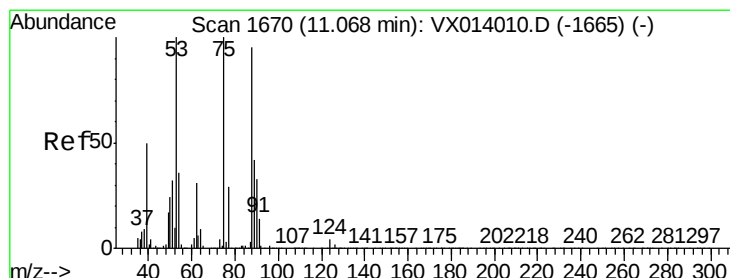
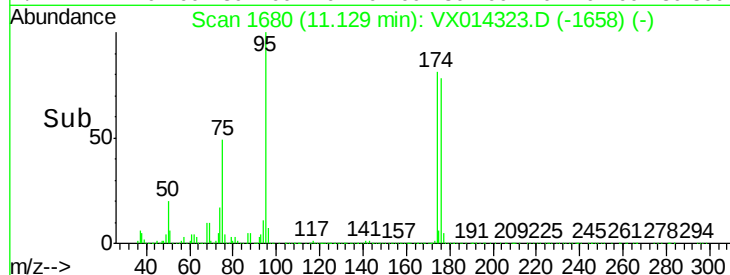
11.13

100000

50000

0

Time--> 11.05 11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 62.869 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014323.D

Acq: 27 Dec 2019 20:48

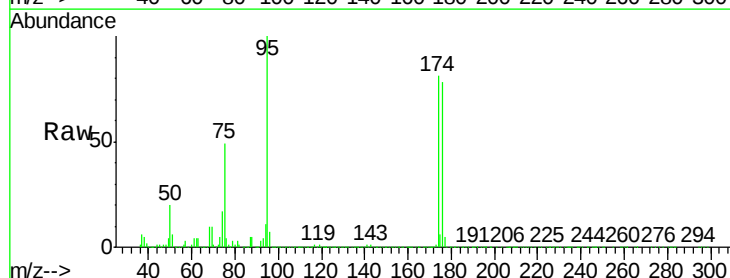
Tgt Ion: 75 Resp: 148680

Ion Ratio Lower Upper

75 100

53 0.2 76.7 115.1#

89 0.0 34.6 51.8#



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

150000

100000

50000

0

Time--> 11.05 11.10 11.15 11.20

