

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040620\
 Data File : VX015523.D
 Acq On : 06 Apr 2020 19:12
 Operator : JC/SP
 Sample : L2161-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RECLAIM-SYSTEM-SEDIMENT-PIT

Quant Time: Apr 07 05:06:09 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	1163681	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1898803	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1831464	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	1057362	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	787012	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
35) Dibromofluoromethane	5.47	113	593034	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
50) Toluene-d8	8.70	98	2286879	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
62) 4-Bromofluorobenzene	11.12	95	1012438	55.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.50%	

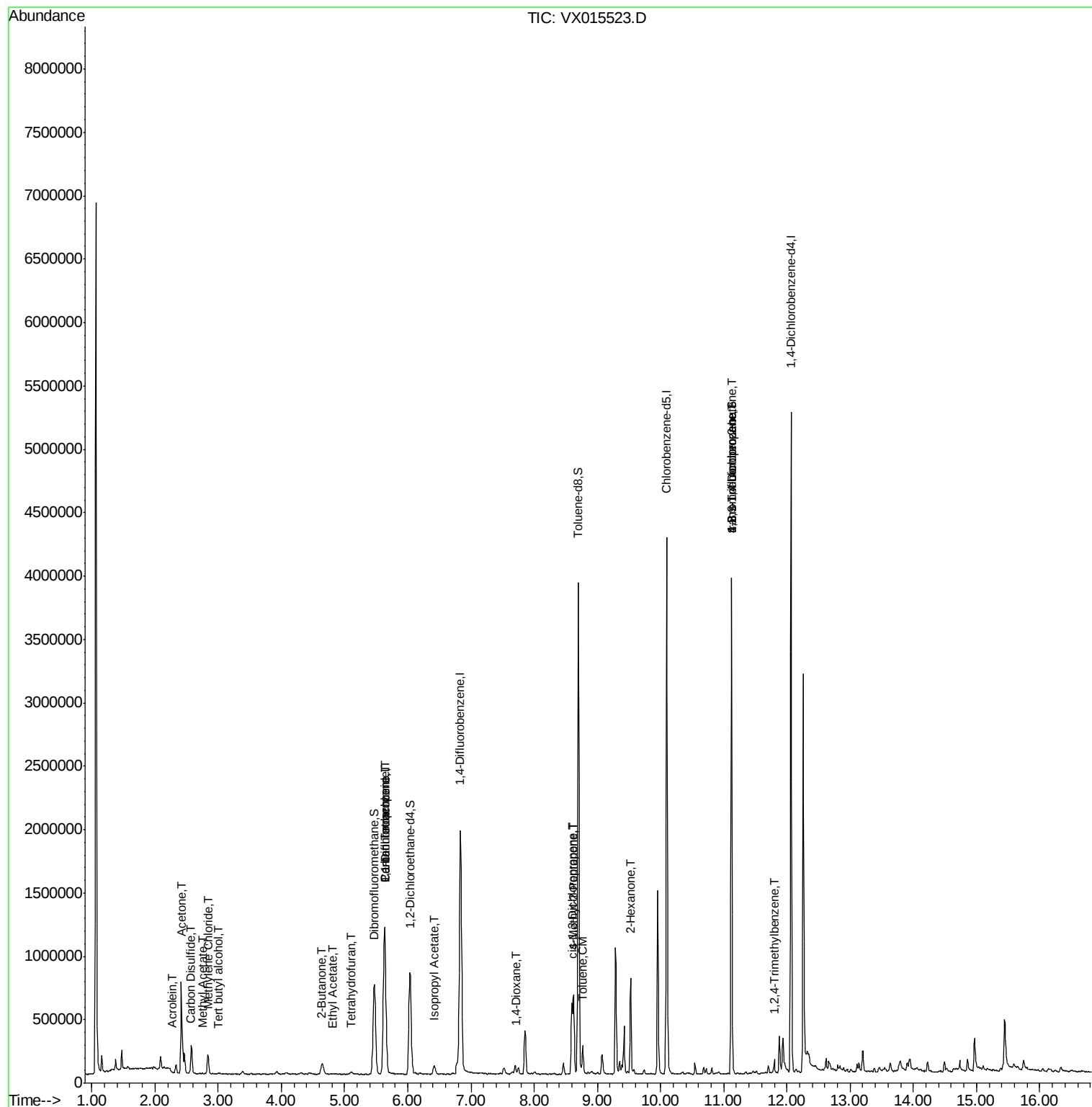
Target Compounds			Qvalue			
5) Bromomethane	1.63	94	360	Below Cal	#	3
11) Tert butyl alcohol	3.01	59	10402	2.648	ug/l #	83
13) Acrolein	2.27	56	1236	0.552	ug/l #	14
16) Acetone	2.42	43	758299	107.542	ug/l	99
17) Carbon Disulfide	2.55	76	8427	0.251	ug/l	97
18) Methyl Acetate	2.75	43	12972	0.721	ug/l #	82
20) Methylene Chloride	2.84	84	67555	5.129	ug/l	96
25) 2-Butanone	4.64	43	129862	11.452	ug/l	93
29) Tetrahydrofuran	5.11	42	6595	0.905	ug/l #	58
36) 1,1-Dichloropropene	5.64	75	90464	5.171	ug/l #	53
37) Ethyl Acetate	4.81	43	6007	0.264	ug/l #	81
38) Carbon Tetrachloride	5.64	117	111401	5.879	ug/l #	14
43) Isopropyl Acetate	6.42	43	102363	2.662	ug/l #	96
49) 1,4-Dioxane	7.72	88	1467	4.094	ug/l #	5
51) 4-Methyl-2-Pentanone	8.62	43	567621	26.046	ug/l #	80
52) Toluene	8.77	92	83208	2.633	ug/l	95
54) cis-1,3-Dichloropropene	8.59	75	88262	3.770	ug/l #	53
59) 2-Hexanone	9.53	43	89771	5.456	ug/l #	56
76) 1,2,3-Trichloropropane	11.12	75	527380	24.254	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	527380	58.197	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.79	105	13501	0.224	ug/l	88

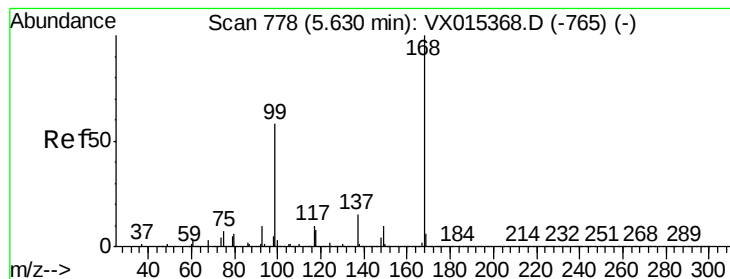
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX040620\
Data File : VX015523.D
Acq On : 06 Apr 2020 19:12
Operator : JC/SP
Sample : L2161-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RECLAIM-SYSTEM-SEDIMENT-PIT

Quant Time: Apr 07 05:06:09 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015523.D

Acq: 06 Apr 2020 19:12

Instrument :

MSVOA_X

ClientSampleId :

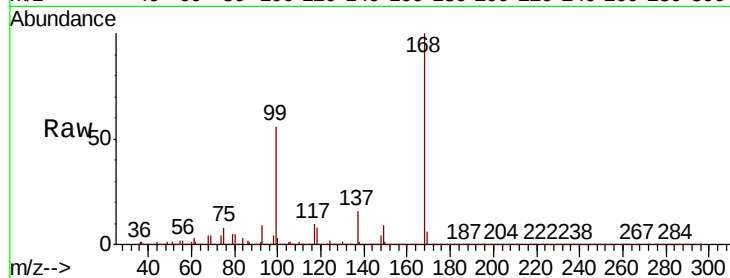
RECLAIM-SYSTEM-SEDIMENT-PIT

Tot Ion:168 Resp: 1163681

Ion Ratio Lower Upper

168 100

99 55.7 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

300000

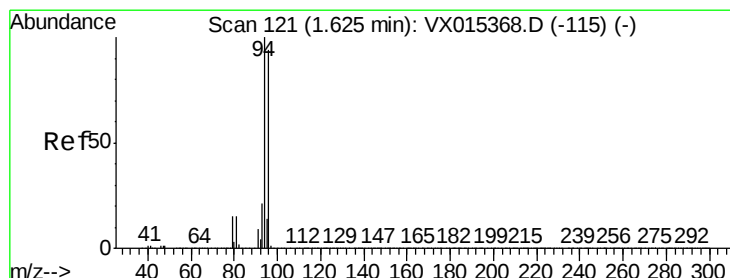
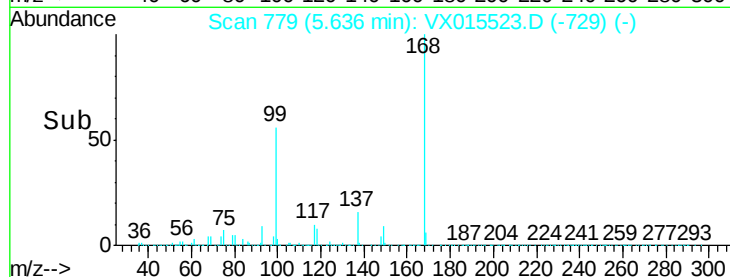
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX015523.D

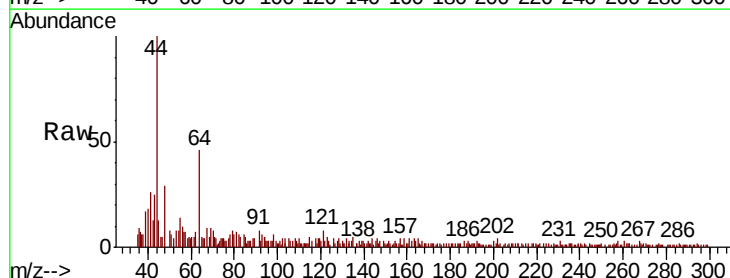
Acq: 06 Apr 2020 19:12

Tgt Ion: 94 Resp: 360

Ion Ratio Lower Upper

94 100

96 0.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1200

1000

800

600

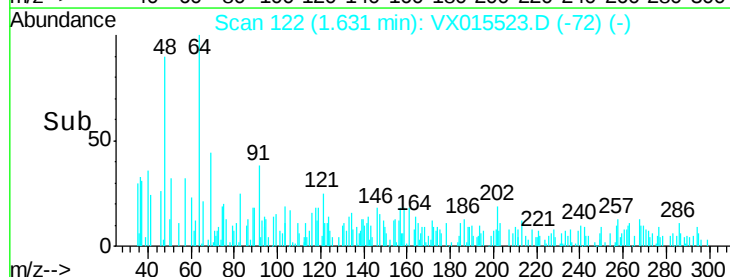
400

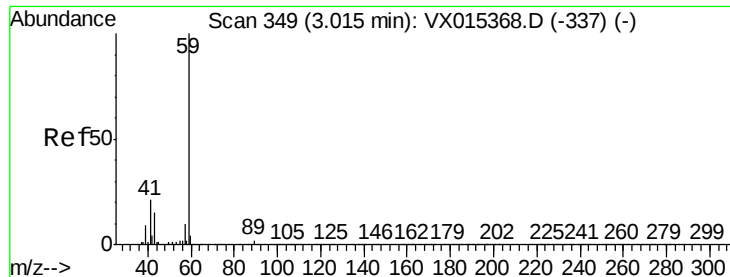
200

0

Time-->

1.61 1.62 1.63 1.64

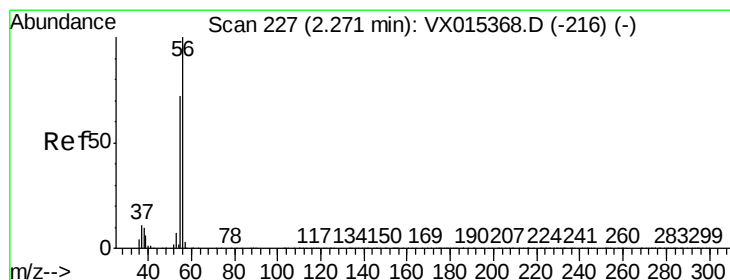
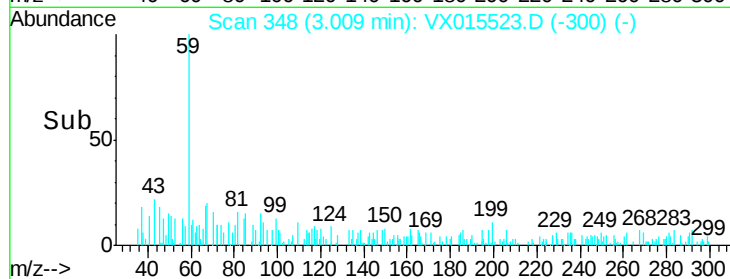
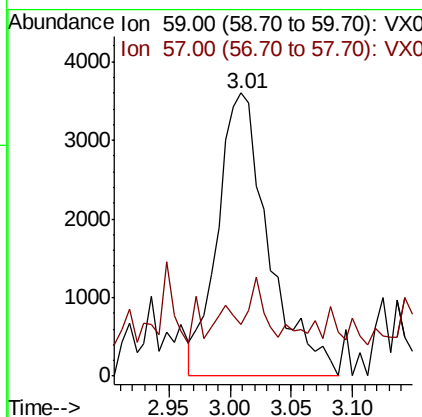
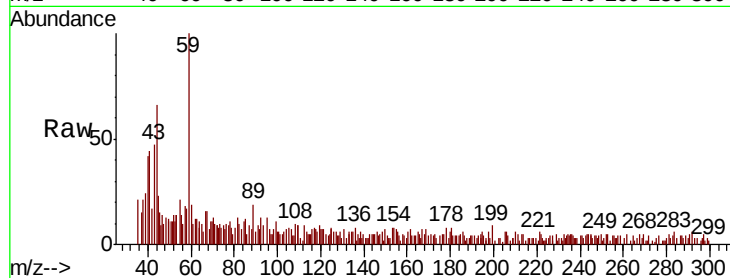




#11
Tert butyl alcohol
Concen: 2.648 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.01 min
Lab File: VX015523.D
Acq: 06 Apr 2020 19:12

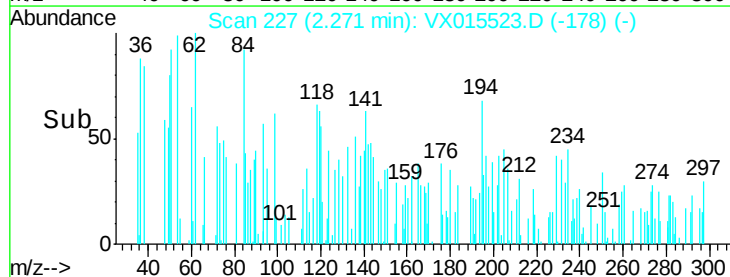
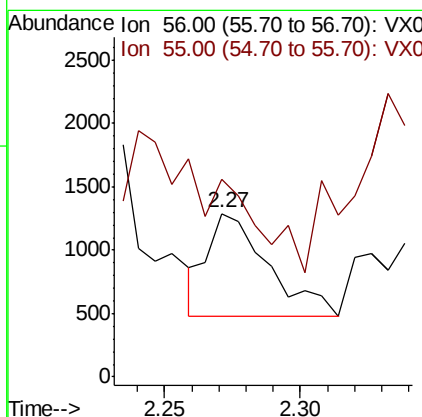
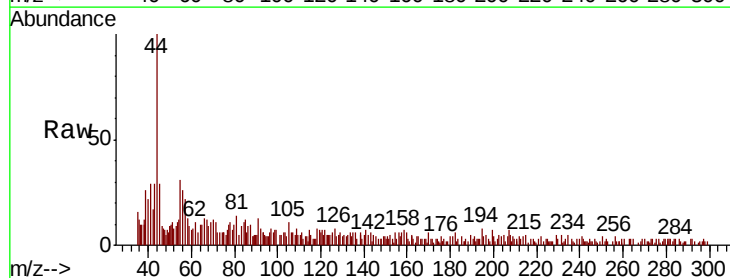
Instrument :
MSVOA_X
ClientSampleId :
RECLAIM-SYSTEM-SEDIMENT-PIT

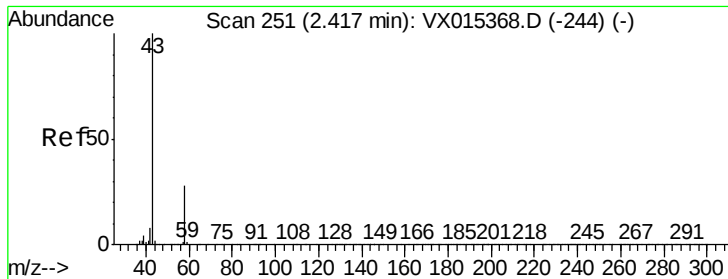
Tot Ion: 59 Resp: 10402
Ion Ratio Lower Upper
59 100
57 3.6 8.1 12.1#



#13
Acrolein
Concen: 0.552 ug/l
RT: 2.27 min Scan# 227
Delta R.T. 0.00 min
Lab File: VX015523.D
Acq: 06 Apr 2020 19:12

Tgt Ion: 56 Resp: 1236
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#

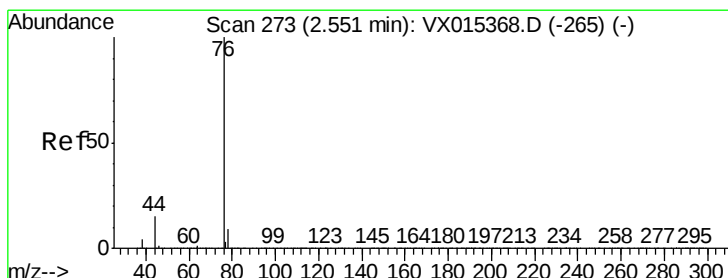
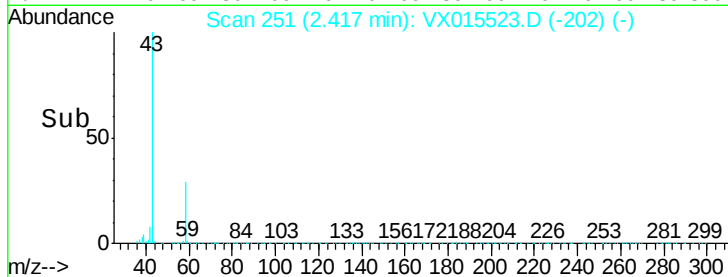
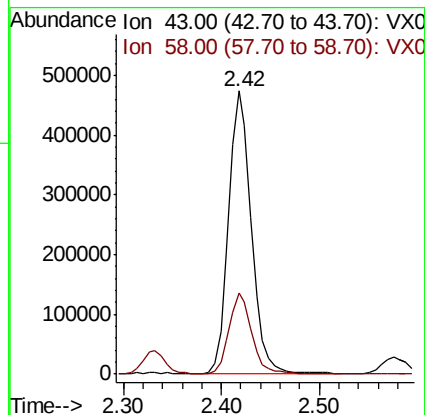
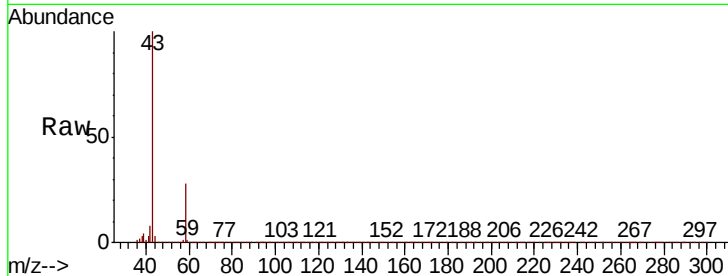




#16
Acetone
Concen: 107.542 ug/l
RT: 2.42 min Scan# 251
Delta R.T. 0.00 min
Lab File: VX015523.D
Acq: 06 Apr 2020 19:12

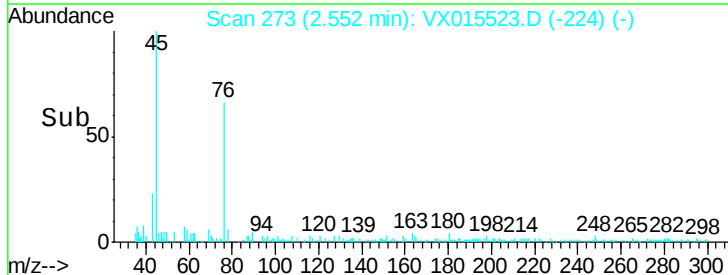
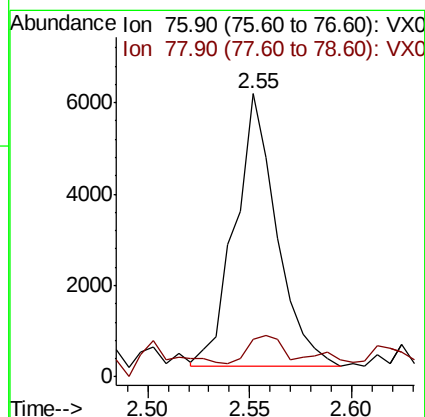
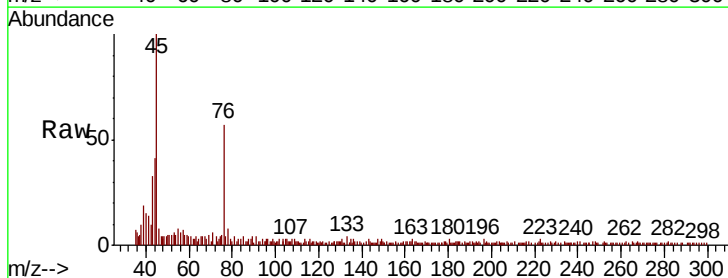
Instrument :
MSVOA_X
ClientSampleId :
RECLAIM-SYSTEM-SEDIMENT-PIT

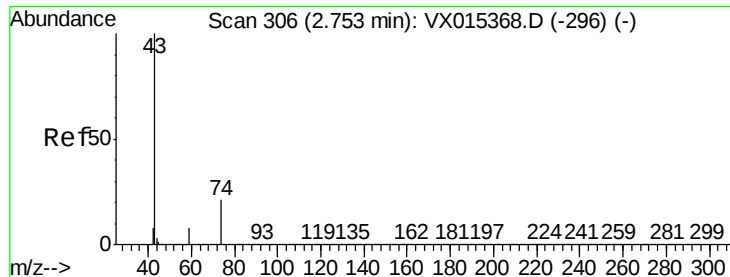
Tot Ion: 43 Resp: 758299
Ion Ratio Lower Upper
43 100
58 28.3 22.1 33.1



#17
Carbon Disulfide
Concen: 0.251 ug/l
RT: 2.55 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX015523.D
Acq: 06 Apr 2020 19:12

Tgt Ion: 76 Resp: 8427
Ion Ratio Lower Upper
76 100
78 7.9 7.1 10.7

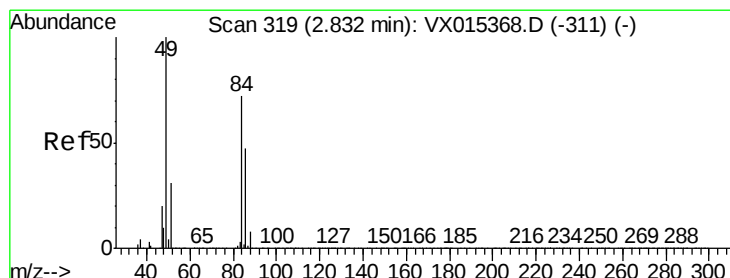
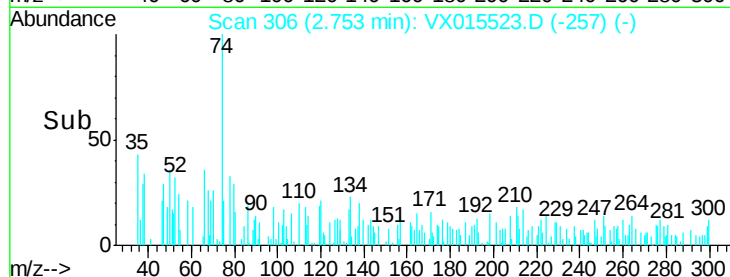
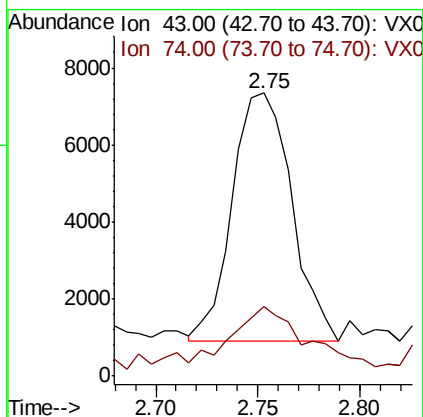
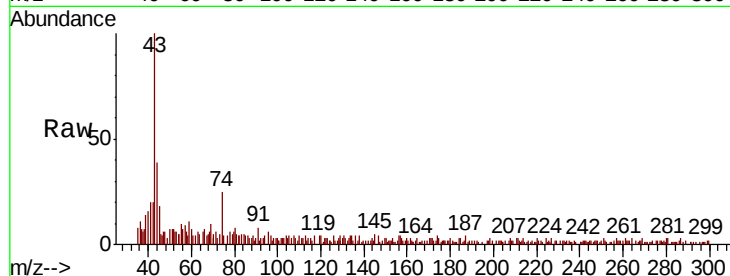




#18
Methvl Acetate
Concen: 0.721 ug/l
RT: 2.75 min Scan# 306
Delta R.T. 0.00 min
Lab File: VX015523.D
Acq: 06 Apr 2020 19:12

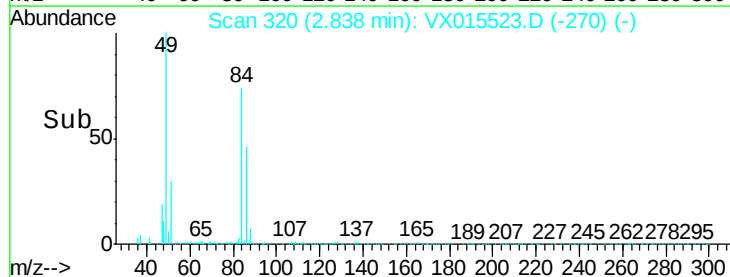
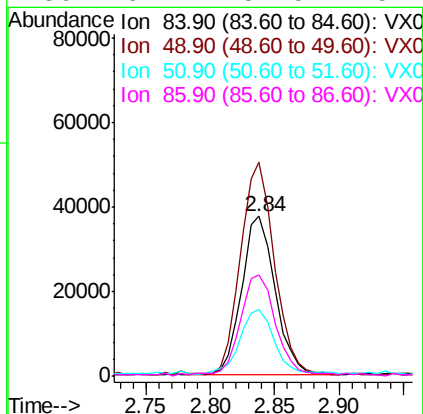
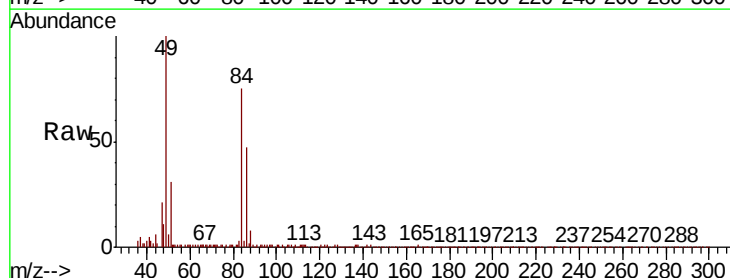
Instrument :
MSVOA_X
ClientSampleId :
RECLAIM-SYSTEM-SEDIMENT-PIT

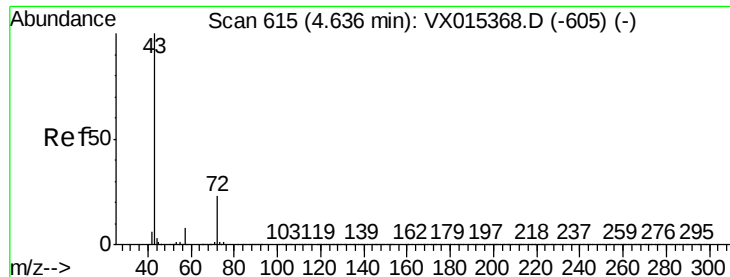
Tot Ion: 43 Resp: 12972
Ion Ratio Lower Upper
43 100
74 29.0 16.5 24.7#



#20
Methylene Chloride
Concen: 5.129 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015523.D
Acq: 06 Apr 2020 19:12

Tgt Ion: 84 Resp: 67555
Ion Ratio Lower Upper
84 100
49 133.6 111.3 166.9
51 40.6 34.0 51.0
86 62.7 52.5 78.7





#25

2-Butanone

Concen: 11.452 ug/l

RT: 4.64 min Scan# 616

Delta R.T. 0.01 min

Lab File: VX015523.D

Acq: 06 Apr 2020 19:12

Instrument :

MSVOA_X

ClientSampleId :

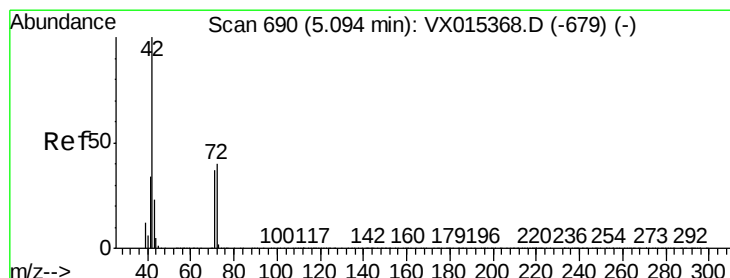
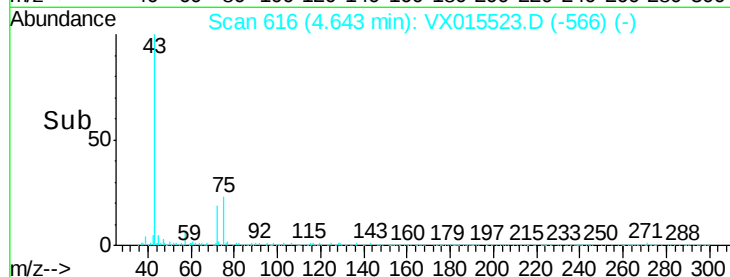
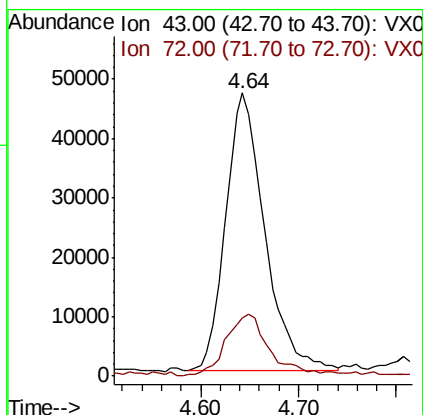
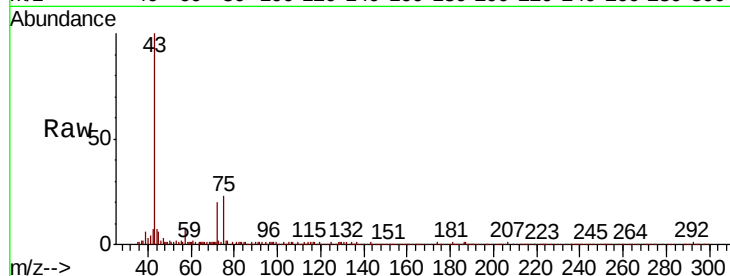
RECLAIM-SYSTEM-SEDIMENT-PIT

Tot Ion: 43 Resp: 129862

Ion Ratio Lower Upper

43 100

72 20.2 19.0 28.4



#29

Tetrahydrofuran

Concen: 0.905 ug/l

RT: 5.11 min Scan# 692

Delta R.T. 0.01 min

Lab File: VX015523.D

Acq: 06 Apr 2020 19:12

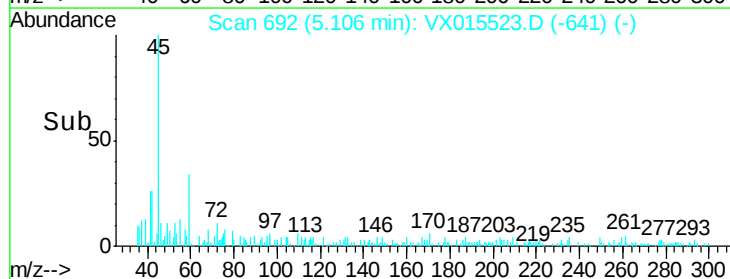
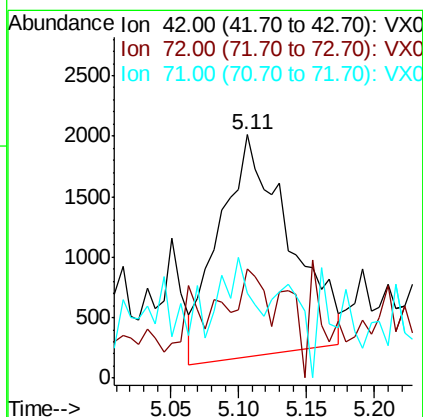
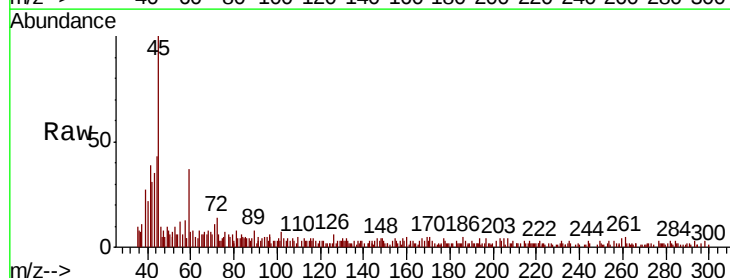
Tgt Ion: 42 Resp: 6595

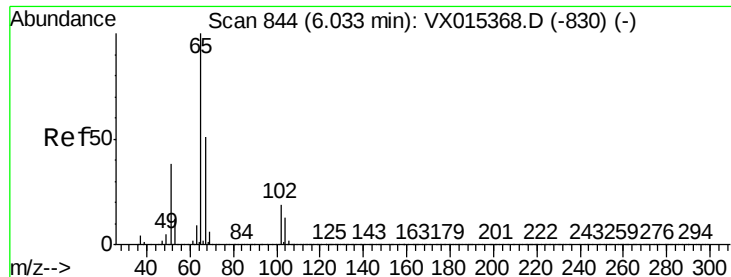
Ion Ratio Lower Upper

42 100

72 11.9 31.7 47.5#

71 14.4 29.6 44.4#





#33

1,2-Dichloroethane-d4

Concen: 47.952 ug/l

RT: 6.03 min Scan# 844

Delta R.T. 0.00 min

Lab File: VX015523.D

Acq: 06 Apr 2020 19:12

Instrument :

MSVOA_X

ClientSampleId :

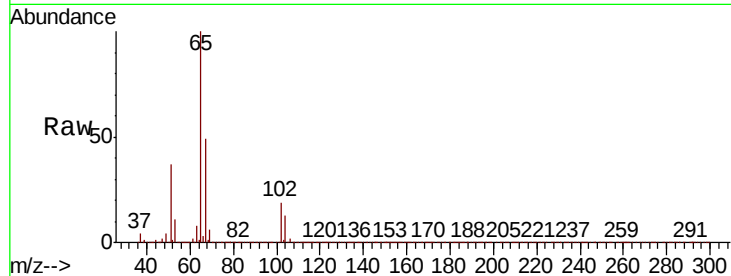
RECLAIM-SYSTEM-SEDIMENT-PIT

Tot Ion: 65 Resp: 787012

Ion Ratio Lower Upper

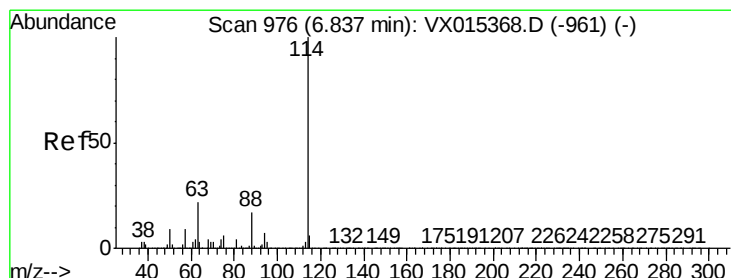
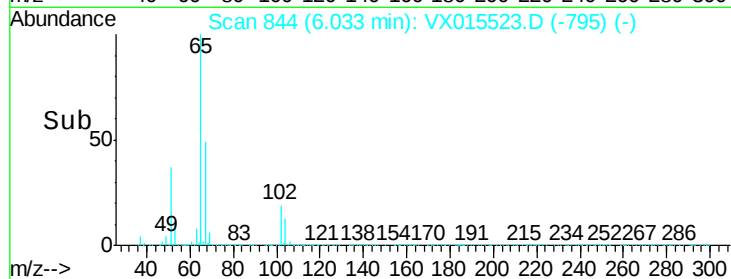
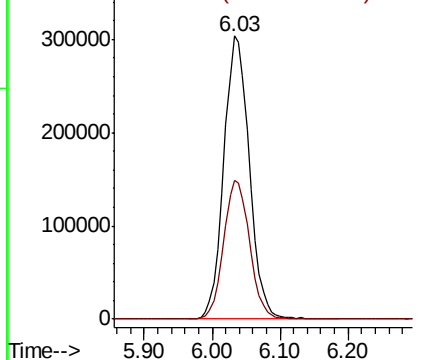
65 100

67 49.7 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015523.D

Acq: 06 Apr 2020 19:12

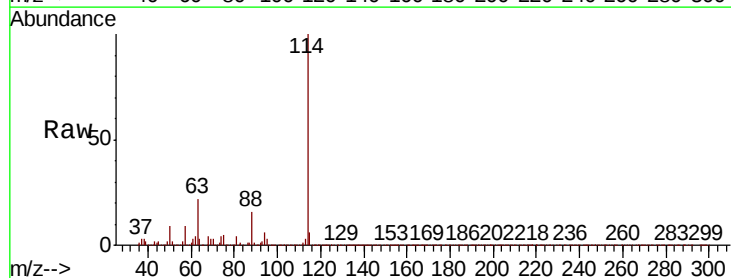
Tgt Ion: 114 Resp: 1898803

Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.2

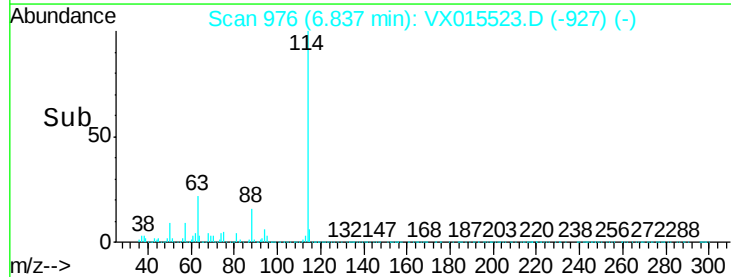
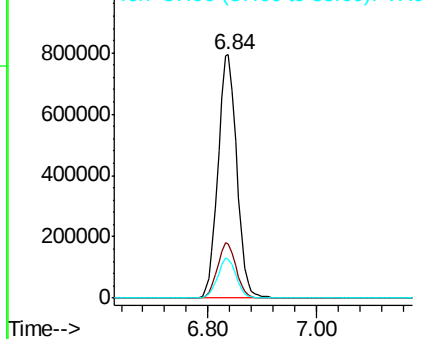
88 16.2 0.0 33.8

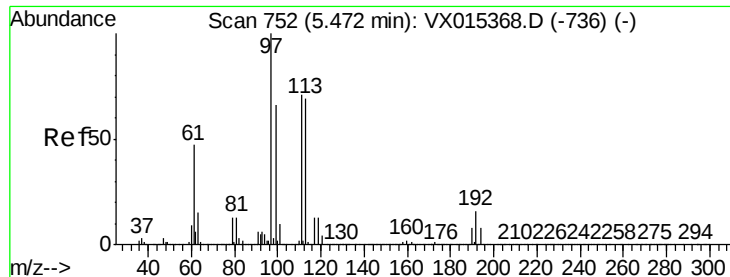


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

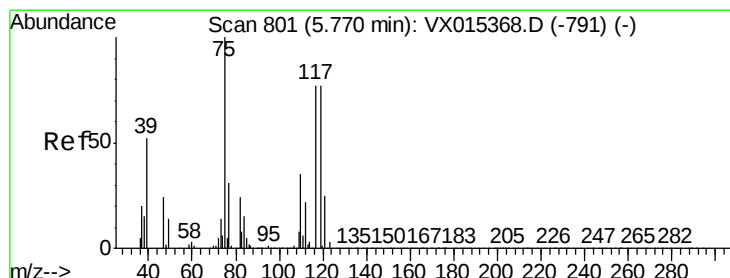
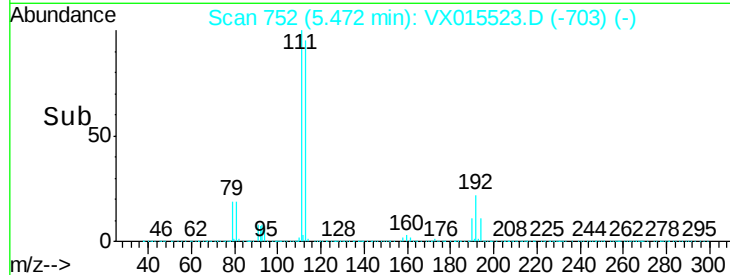
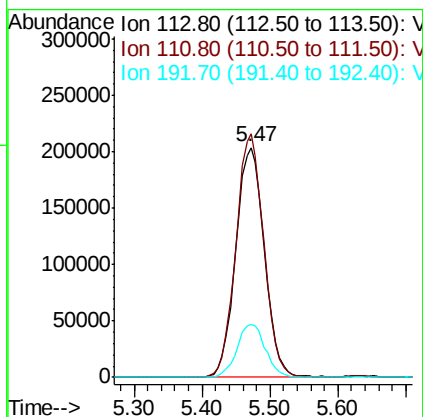
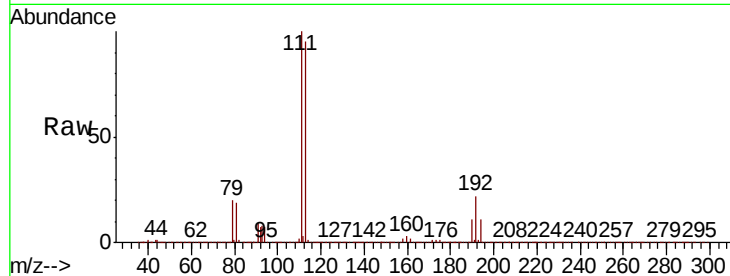




#35
Dibromofluoromethane
Concen: 48.859 ug/l
RT: 5.47 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX015523.D
Acq: 06 Apr 2020 19:12

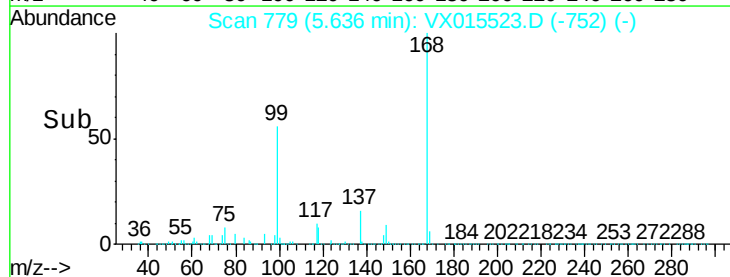
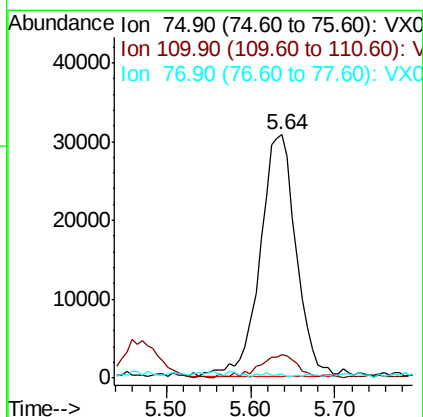
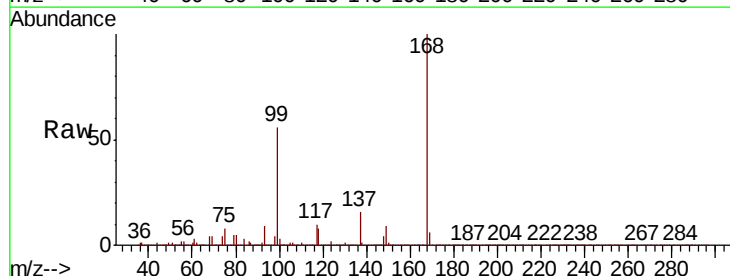
Instrument :
MSVOA_X
ClientSampleId :
RECLAIM-SYSTEM-SEDIMENT-PIT

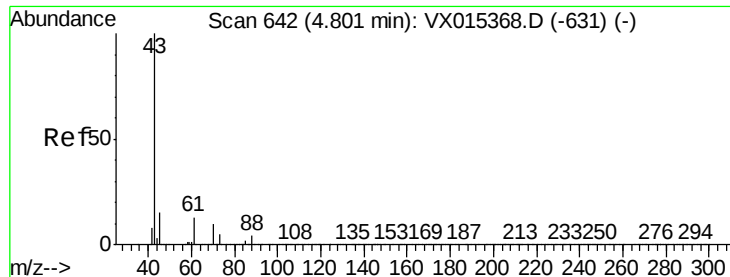
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.5	122.3
192	23.2	17.8	26.6



#36
1,1-Dichloropropene
Concen: 5.171 ug/l
RT: 5.64 min Scan# 779
Delta R.T. -0.13 min
Lab File: VX015523.D
Acq: 06 Apr 2020 19:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.6	17.1	51.3#
77	0.9	24.6	36.8#





#37

Ethyl Acetate

Concen: 0.264 ug/l

RT: 4.81 min Scan# 643

Delta R.T. 0.01 min

Lab File: VX015523.D

Acq: 06 Apr 2020 19:12

Instrument :

MSVOA_X

ClientSampleId :

RECLAIM-SYSTEM-SEDIMENT-PIT

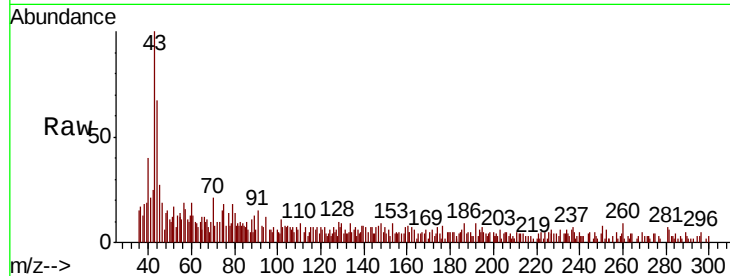
Tot Ion: 43 Resp: 6007

Ion Ratio Lower Upper

43 100

61 4.9 9.9 14.9#

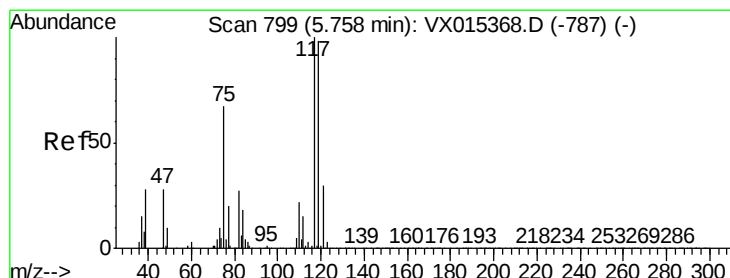
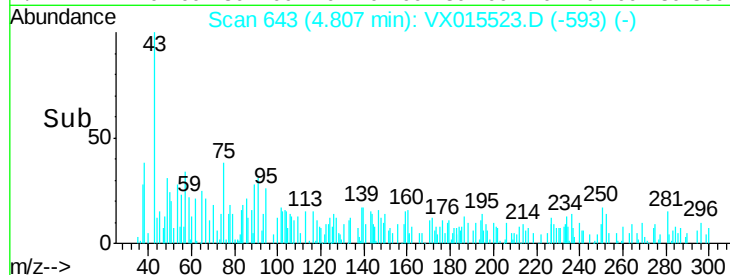
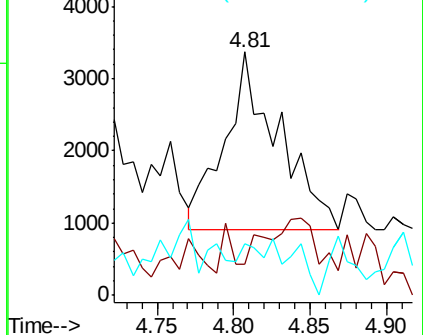
70 3.1 8.1 12.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 5.879 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015523.D

Acq: 06 Apr 2020 19:12

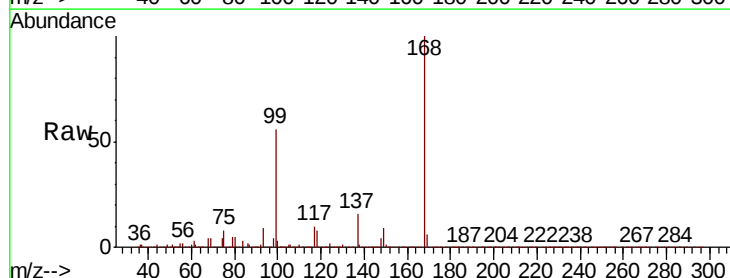
Tgt Ion: 117 Resp: 111401

Ion Ratio Lower Upper

117 100

119 3.8 78.0 117.0#

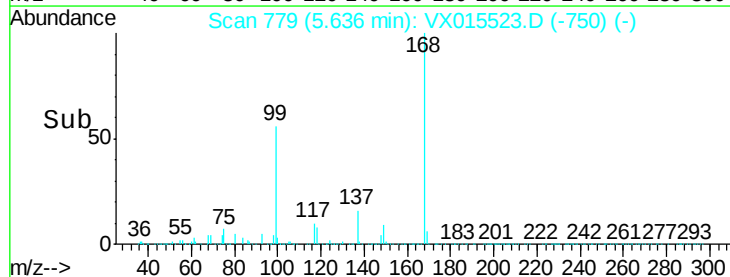
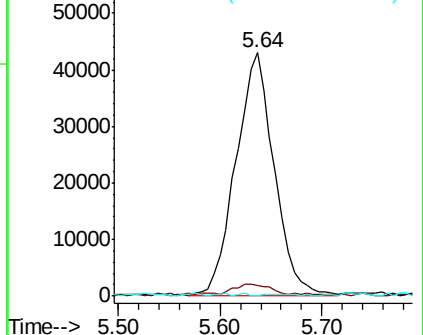
121 0.1 23.8 35.8#

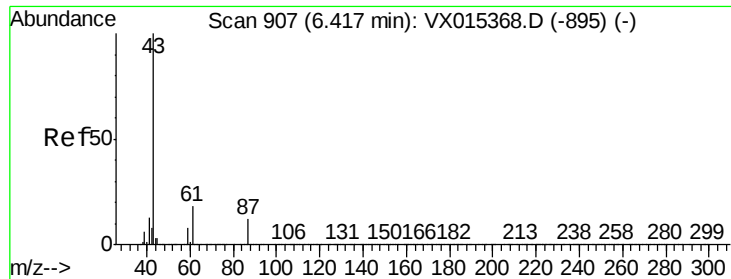


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

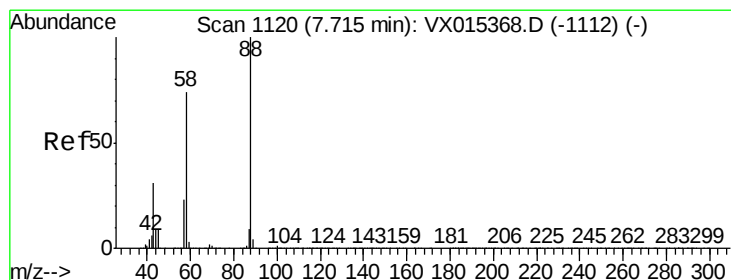
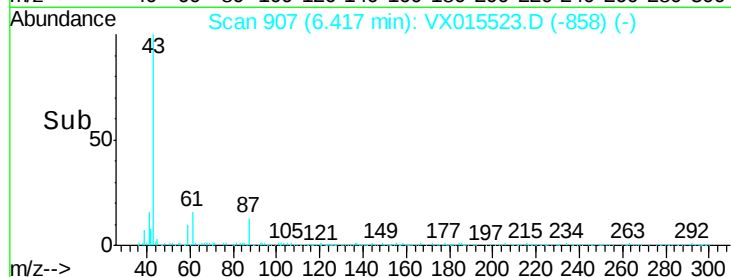
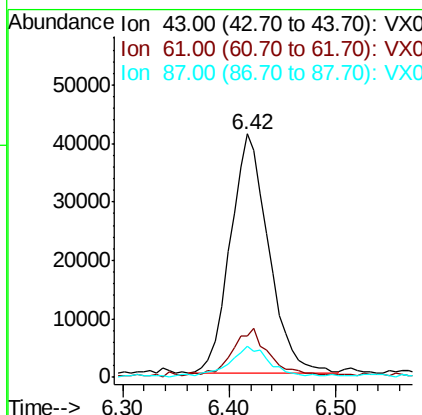
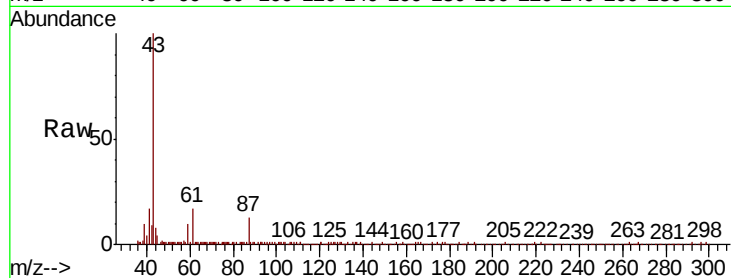




#43
Isopropyl Acetate
Concen: 2.662 ug/l
RT: 6.42 min Scan# 907
Delta R.T. 0.00 min
Lab File: VX015523.D
Acq: 06 Apr 2020 19:12

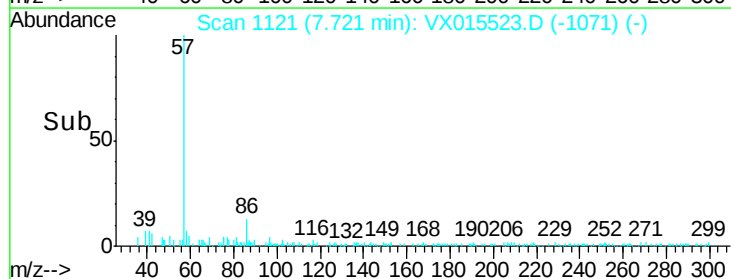
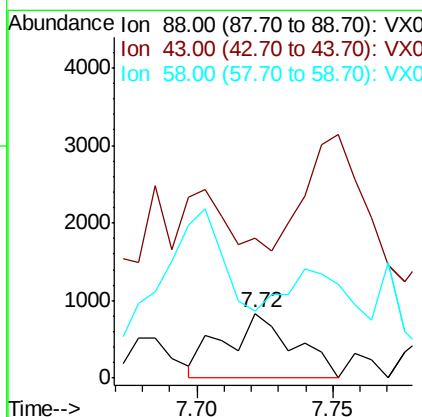
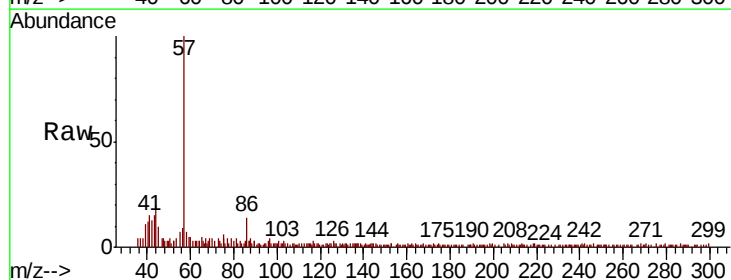
Instrument :
MSVOA_X
ClientSampleId :
RECLAIM-SYSTEM-SEDIMENT-PIT

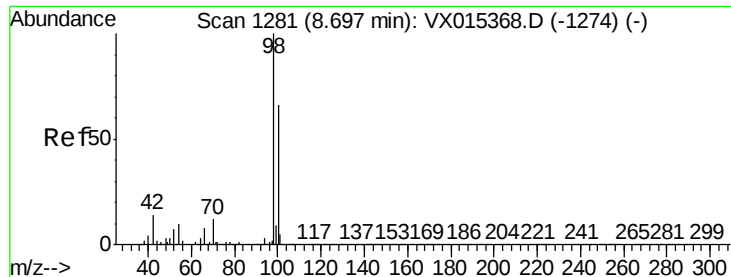
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.2	14.8	22.2
87	14.5	9.4	14.0



#49
1,4-Dioxane
Concen: 4.094 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. 0.01 min
Lab File: VX015523.D
Acq: 06 Apr 2020 19:12

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.1	45.1
58	171.4	60.6	90.8





#50

Toluene-d8

Concen: 51.175 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015523.D

Acq: 06 Apr 2020 19:12

Instrument :

MSVOA_X

ClientSampleId :

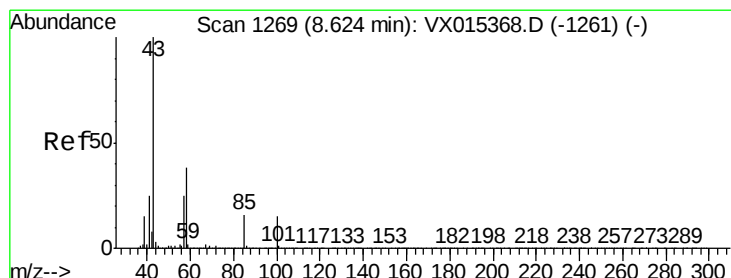
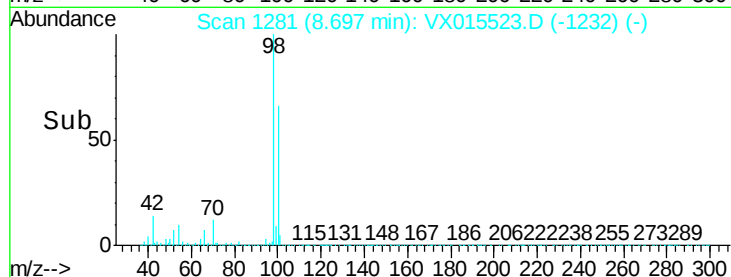
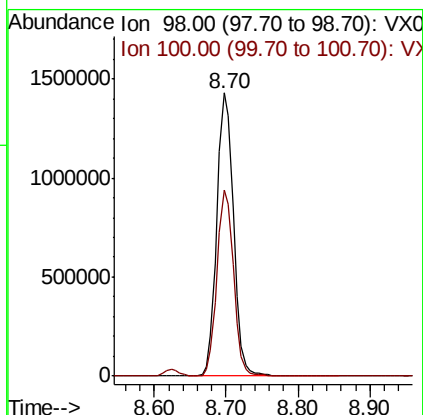
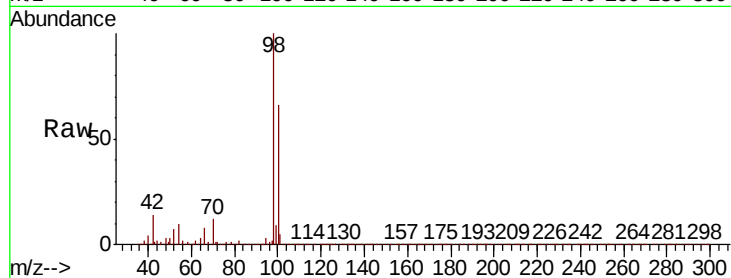
RECLAIM-SYSTEM-SEDIMENT-PIT

Tot Ion: 98 Resp: 2286879

Ion Ratio Lower Upper

98 100

100 65.5 53.5 80.3



#51

4-Methyl-2-Pentanone

Concen: 26.046 ug/l

RT: 8.62 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VX015523.D

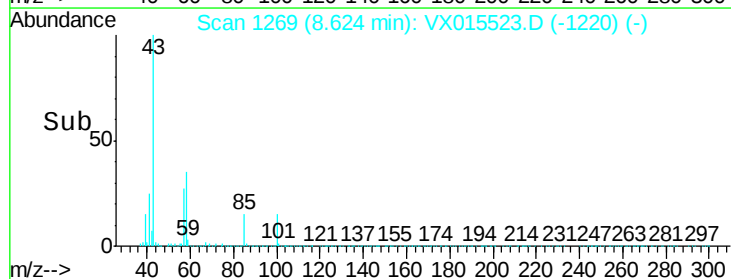
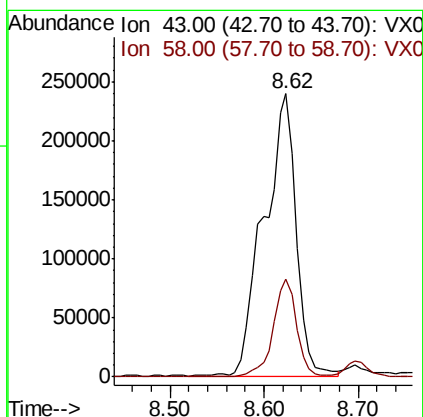
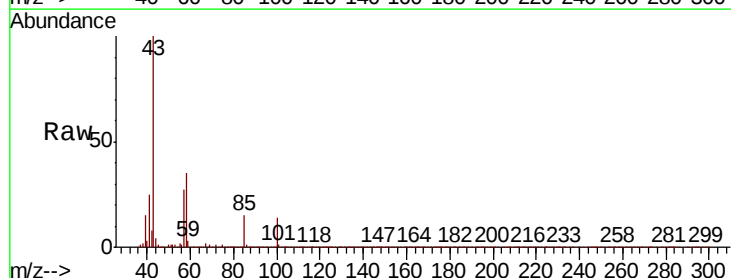
Acq: 06 Apr 2020 19:12

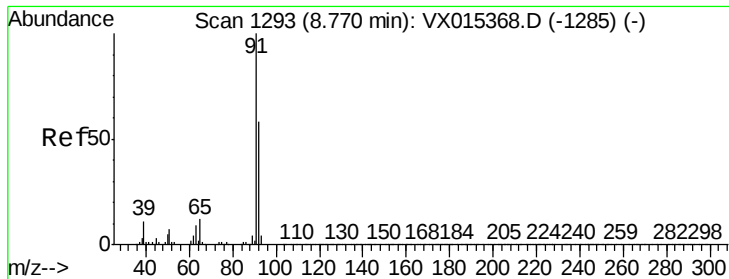
Tgt Ion: 43 Resp: 567621

Ion Ratio Lower Upper

43 100

58 25.2 29.7 44.5#





#52

Toluene

Concen: 2.633 ug/l

RT: 8.77 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX015523.D

Acq: 06 Apr 2020 19:12

Instrument :

MSVOA_X

ClientSampleId :

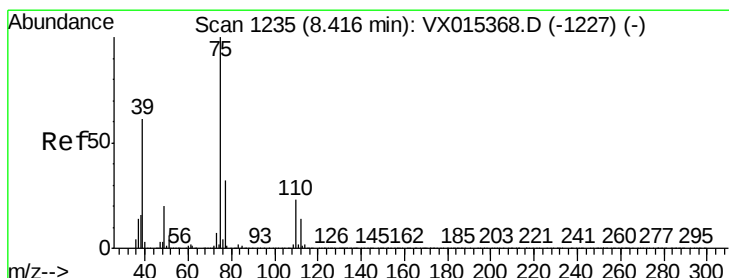
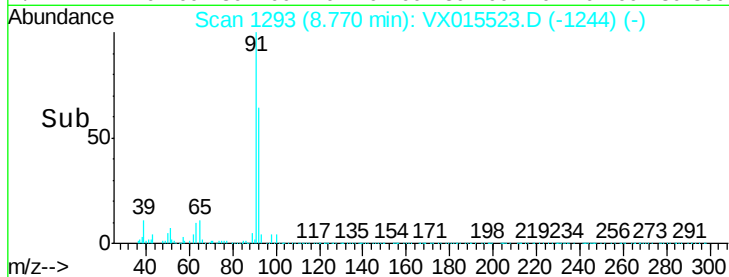
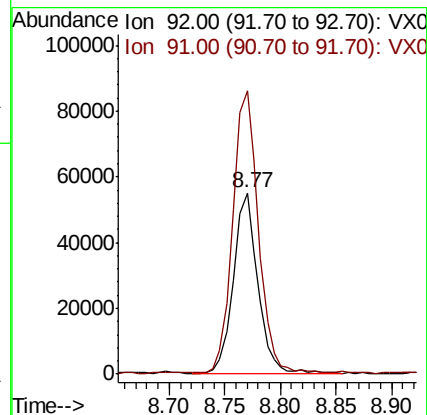
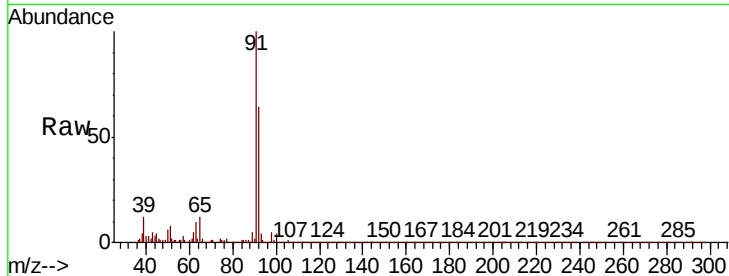
RECLAIM-SYSTEM-SEDIMENT-PIT

Tot Ion: 92 Resp: 83208

Ion Ratio Lower Upper

92 100

91 163.8 136.6 205.0



#54

cis-1,3-Dichloropropene

Concen: 3.770 ug/l

RT: 8.59 min Scan# 1264

Delta R.T. 0.18 min

Lab File: VX015523.D

Acq: 06 Apr 2020 19:12

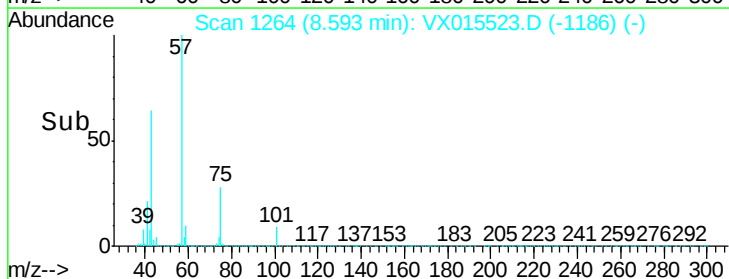
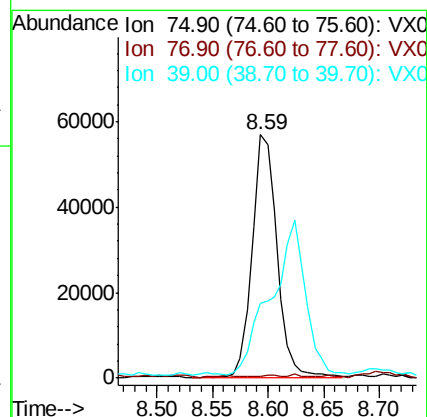
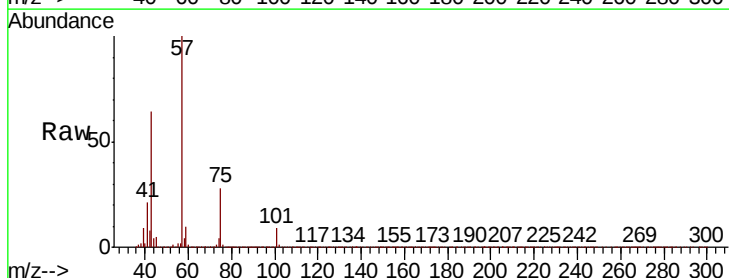
Tgt Ion: 75 Resp: 88262

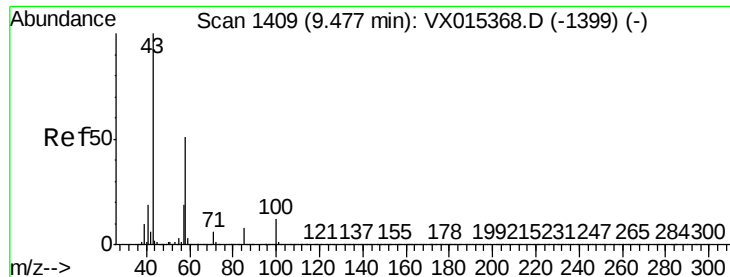
Ion Ratio Lower Upper

75 100

77 0.4 25.8 38.6#

39 29.5 49.0 73.4#

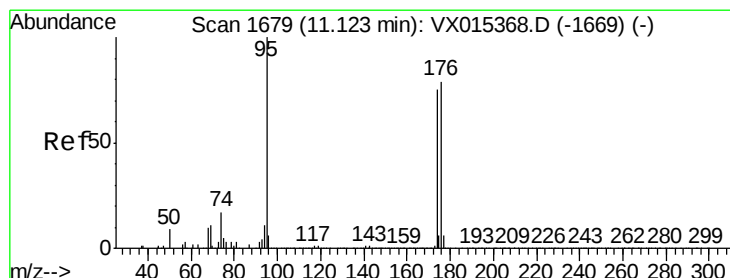
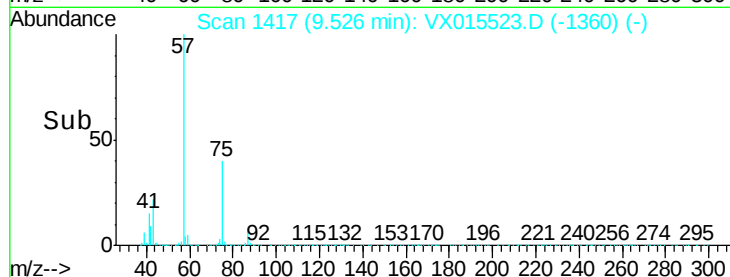
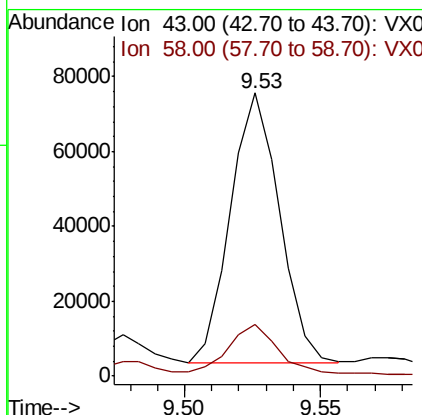
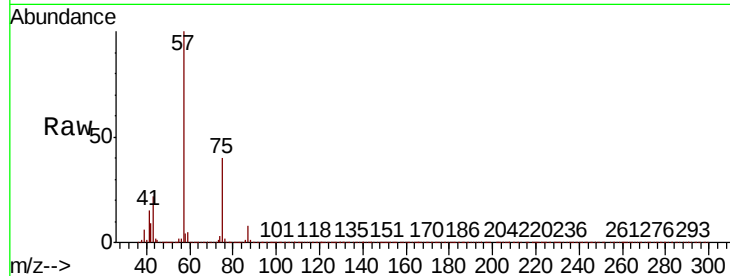




#59
2-Hexanone
Concen: 5.456 ug/l
RT: 9.53 min Scan# 1417
Delta R.T. 0.05 min
Lab File: VX015523.D
Acq: 06 Apr 2020 19:12

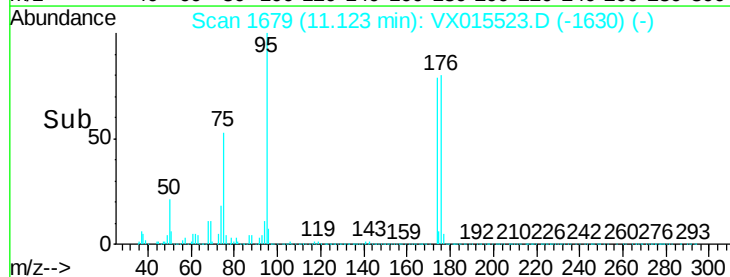
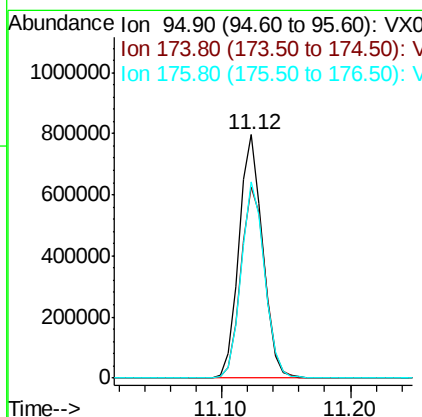
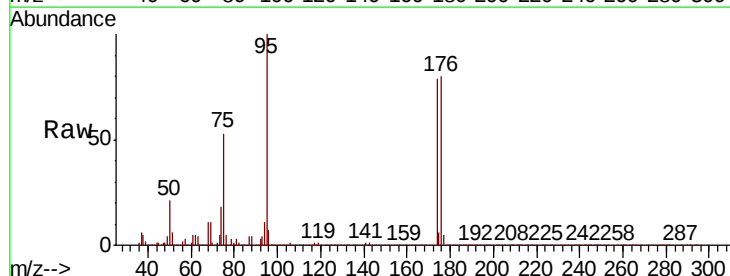
Instrument :
MSVOA_X
ClientSampleId :
RECLAIM-SYSTEM-SEDIMENT-PIT

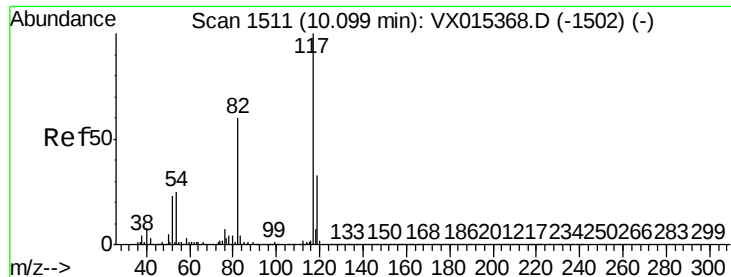
Tot Ion: 43 Resp: 89771
Ion Ratio Lower Upper
43 100
58 20.5 25.6 76.6#



#62
4-Bromofluorobenzene
Concen: 55.747 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015523.D
Acq: 06 Apr 2020 19:12

Tgt Ion: 95 Resp: 1012438
Ion Ratio Lower Upper
95 100
174 80.0 0.0 158.6
176 79.0 0.0 159.0

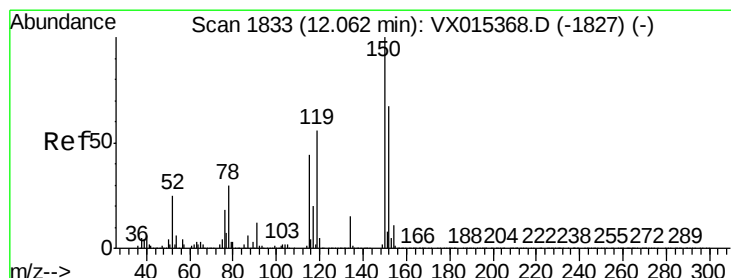
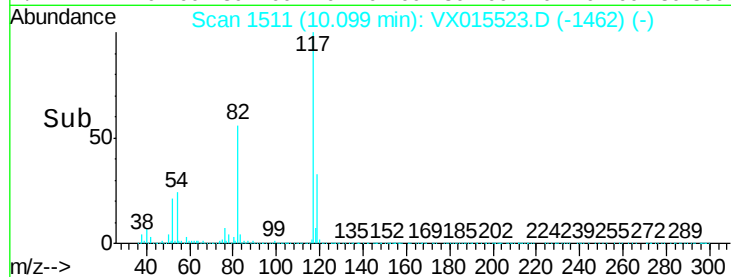
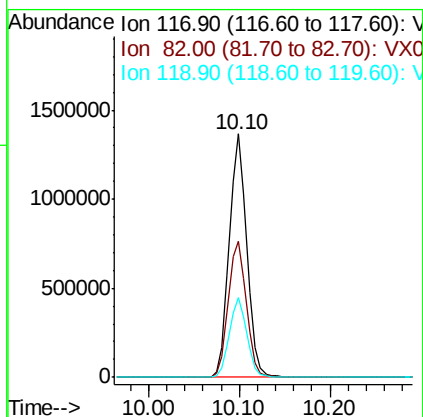
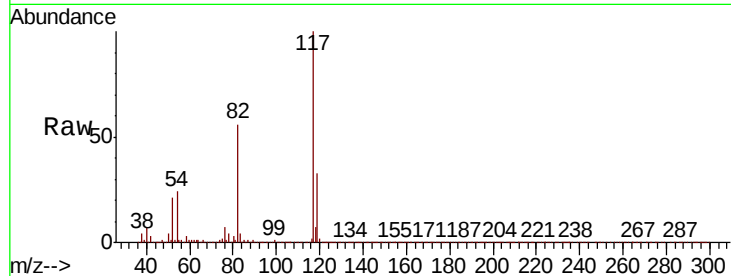




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015523.D
Acq: 06 Apr 2020 19:12

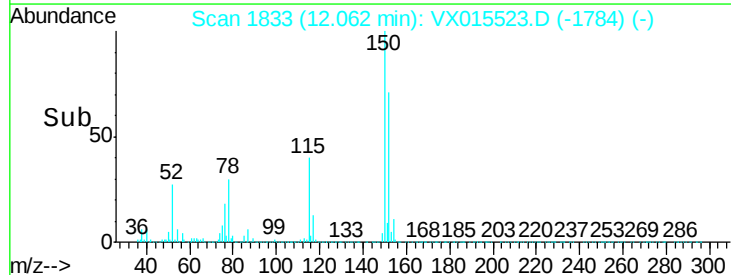
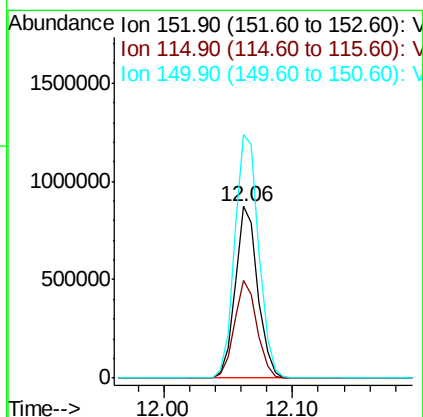
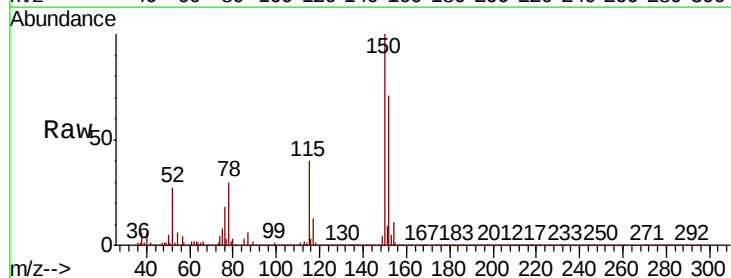
Instrument :
MSVOA_X
ClientSampleId :
RECLAIM-SYSTEM-SEDIMENT-PIT

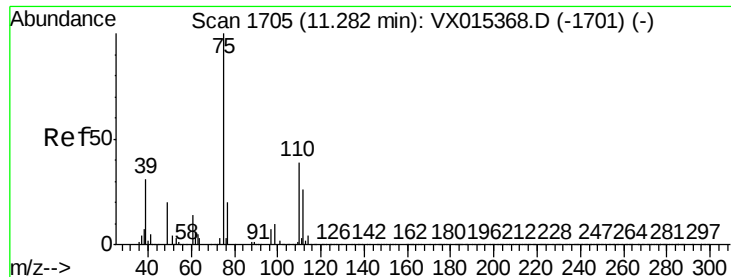
Tot Ion:117 Resp: 1831464
Ion Ratio Lower Upper
117 100
82 55.9 47.8 71.8
119 32.6 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015523.D
Acq: 06 Apr 2020 19:12

Tgt Ion:152 Resp: 1057362
Ion Ratio Lower Upper
152 100
115 56.9 39.0 116.9
150 151.3 0.0 340.8





#76

1,2,3-Trichloropropane

Concen: 24.254 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015523.D

Acq: 06 Apr 2020 19:12

Instrument :

MSVOA_X

ClientSampleId :

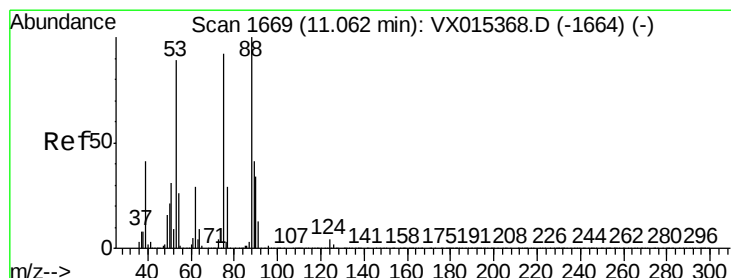
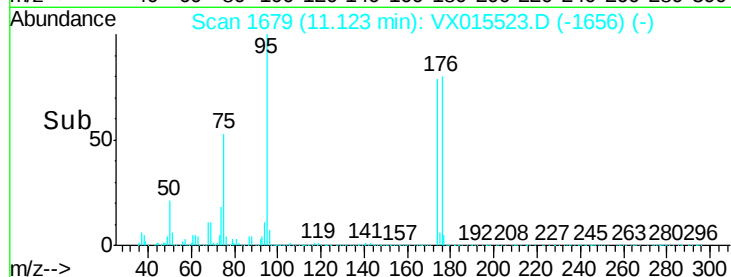
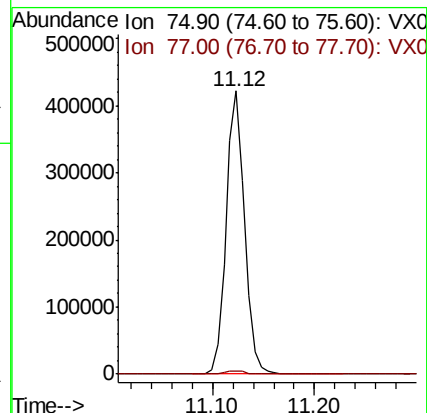
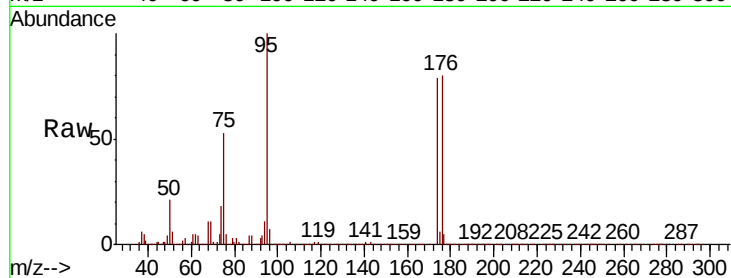
RECLAIM-SYSTEM-SEDIMENT-PIT

Tot Ion: 75 Resp: 527380

Ion Ratio Lower Upper

75 100

77 1.1 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.197 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015523.D

Acq: 06 Apr 2020 19:12

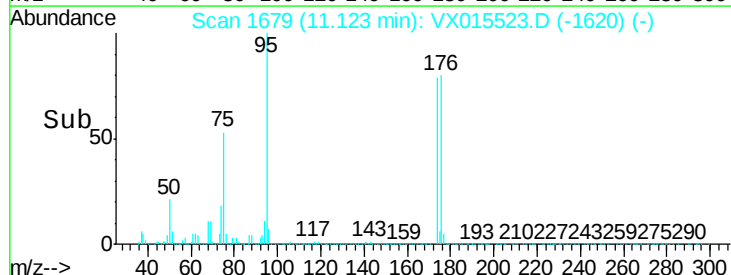
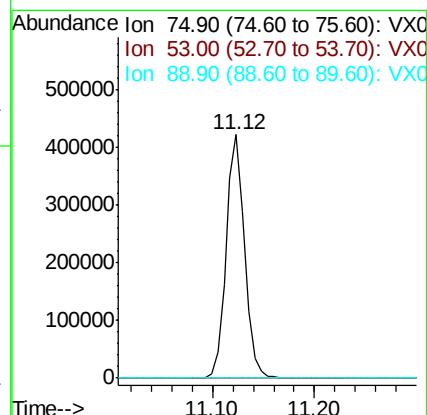
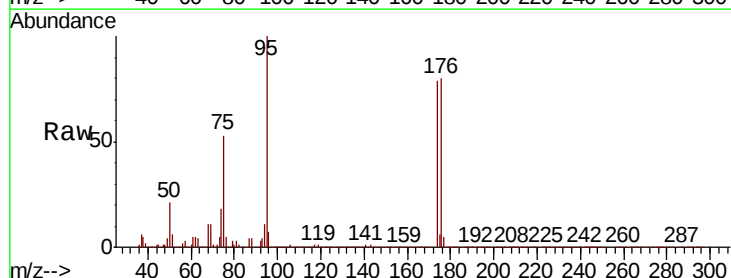
Tgt Ion: 75 Resp: 527380

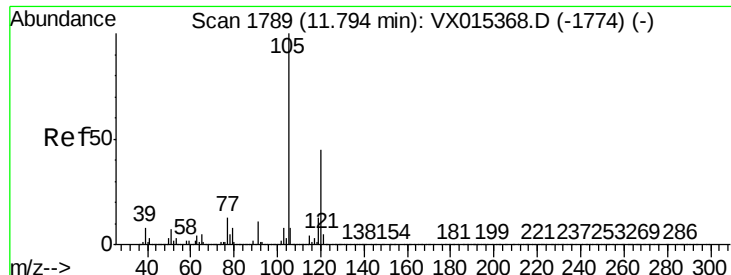
Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.0 36.1 54.1#





#84

1,2,4-Trimethylbenzene

Concen: 0.224 ug/l

RT: 11.79 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX015523.D

Acq: 06 Apr 2020 19:12

Instrument :

MSVOA_X

ClientSampleId :

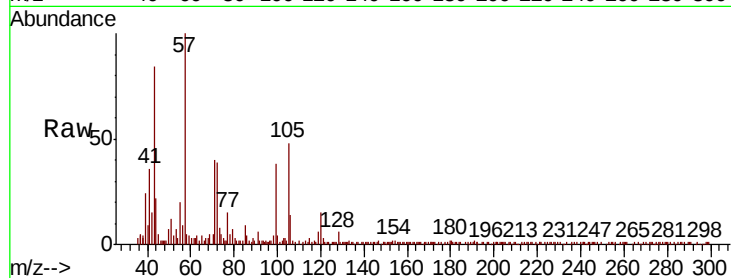
RECLAIM-SYSTEM-SEDIMENT-PIT

Tot Ion:105 Resp: 13501

Ion Ratio Lower Upper

105 100

120 37.3 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

