

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010423\
 Data File : VY012069.D
 Acq On : 04 Jan 2023 14:24
 Operator : KP/MD
 Sample : 01004-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CONTAINMENT-STONES

Quant Time: Jan 05 00:41:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

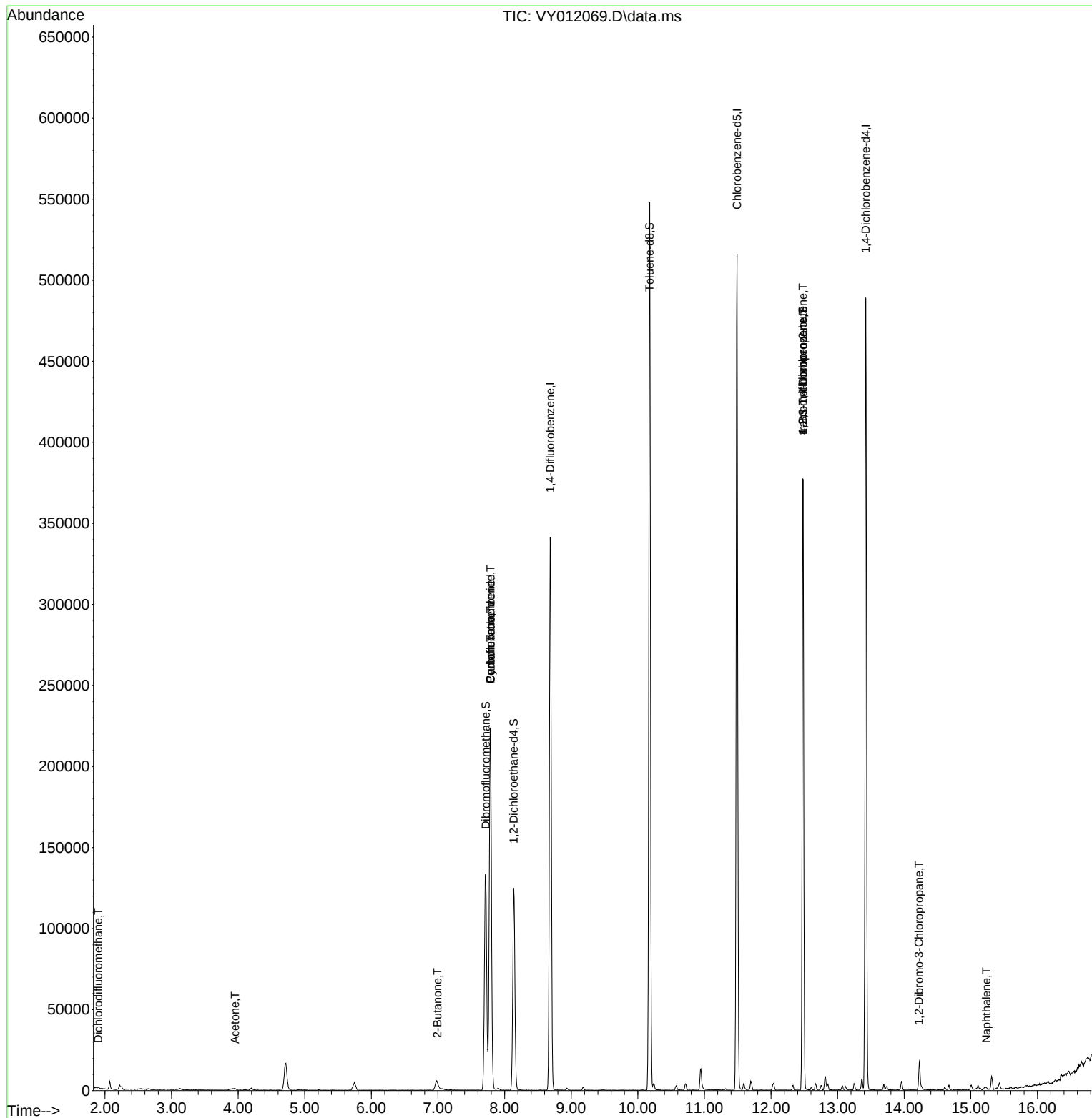
Internal Standards						
1) Pentafluorobenzene	7.789	168	178583	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	304491	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	284354	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	127683	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	102408	56.919	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.840%	
35) Dibromofluoromethane	7.716	113	92832	50.641	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.280%	
50) Toluene-d8	10.179	98	363391	48.860	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.720%	
62) 4-Bromofluorobenzene	12.477	95	115293	46.092	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.180%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	490	2.794	ug/l	90
11) Tert butyl alcohol	4.911	59	377	Below Cal	#	74
16) Acetone	3.954	43	2214	8.916	ug/l	91
25) 2-Butanone	6.990	43	1259	2.101	ug/l	94
31) Cyclohexane	7.789	56	3802	1.255	ug/l #	5
38) Carbon Tetrachloride	7.789	117	17515	5.158	ug/l #	18
76) 1,2,3-Trichloropropane	12.477	75	60997	38.392	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	60997	105.136	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	14.221	75	491	1.808	ug/l #	1
95) Naphthalene	15.233	128	1357	3.051	ug/l #	87

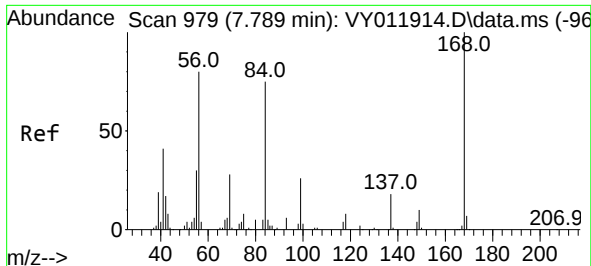
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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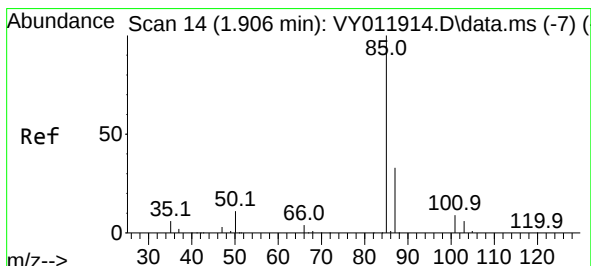
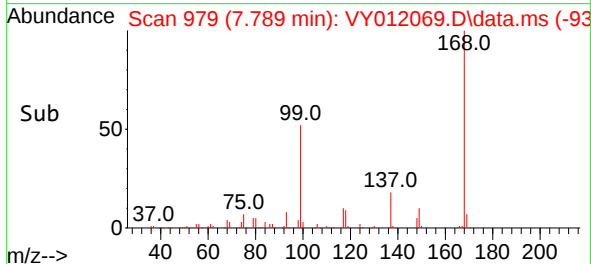
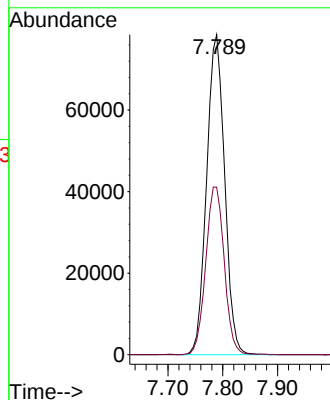
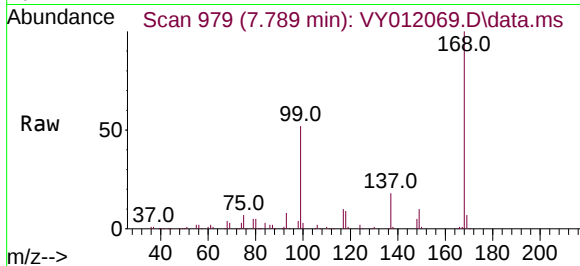




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012069.D
Acq: 04 Jan 2023 14:24

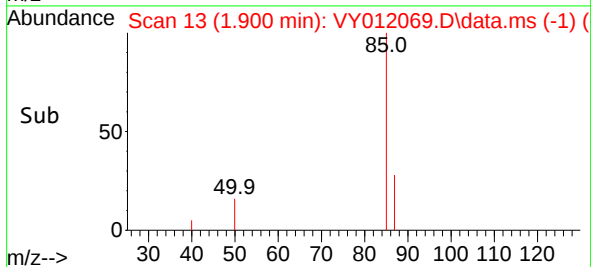
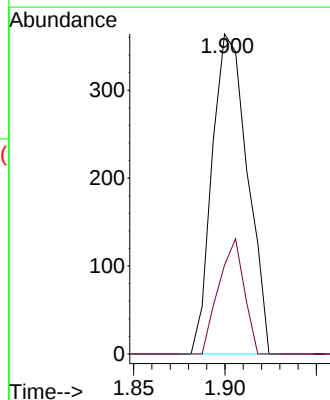
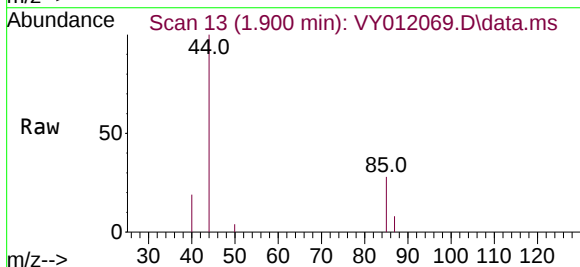
Instrument :
MSVOA_Y
ClientSampleId :
CONTAINMENT-STONES

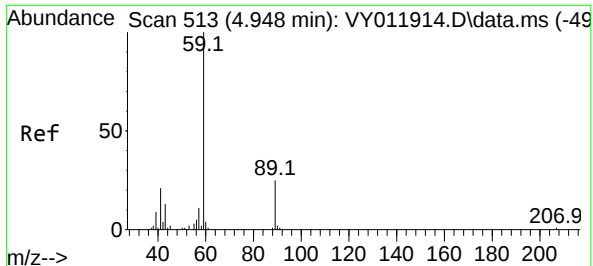
Tgt Ion:168 Resp: 178583
Ion Ratio Lower Upper
168 100
99 52.4 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.794 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY012069.D
Acq: 04 Jan 2023 14:24

Tgt Ion: 85 Resp: 490
Ion Ratio Lower Upper
85 100
87 27.7 16.8 50.4





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.911 min Scan# 50

Delta R.T. -0.037 min

Lab File: VY012069.D

Acq: 04 Jan 2023 14:24

Instrument :

MSVOA_Y

ClientSampleId :

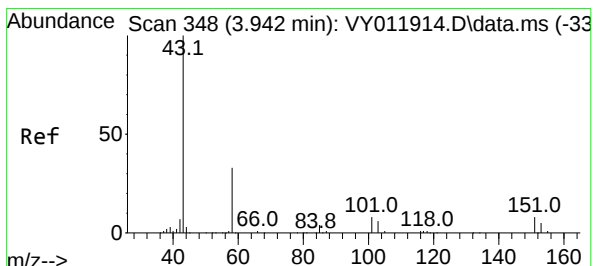
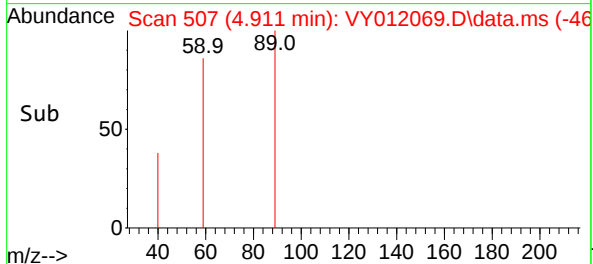
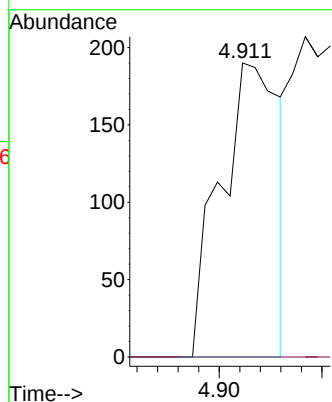
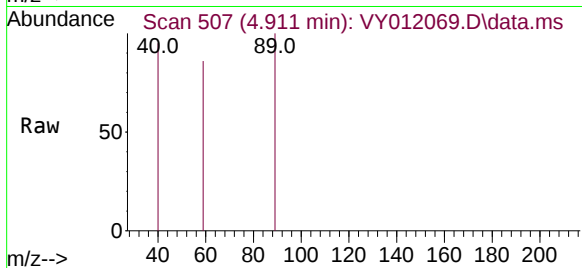
CONTAINMENT-STONES

Tgt Ion: 59 Resp: 377

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#16

Acetone

Concen: 8.916 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.006 min

Lab File: VY012069.D

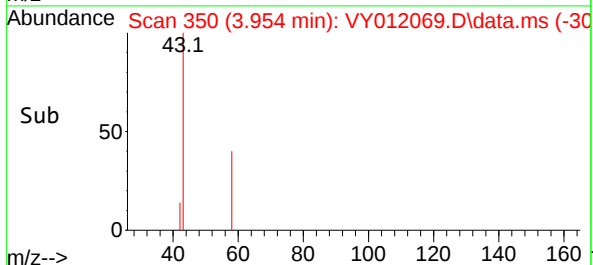
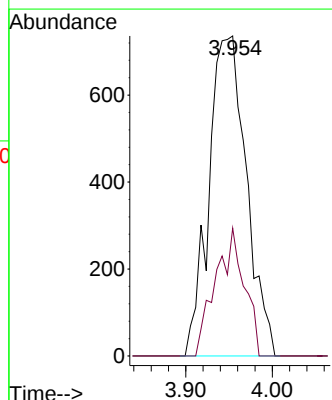
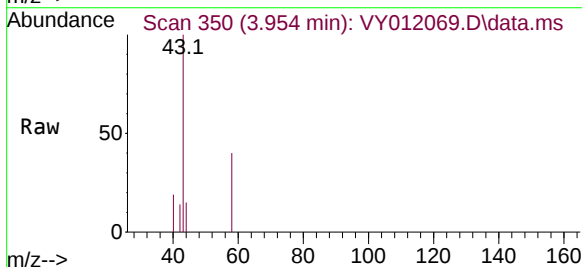
Acq: 04 Jan 2023 14:24

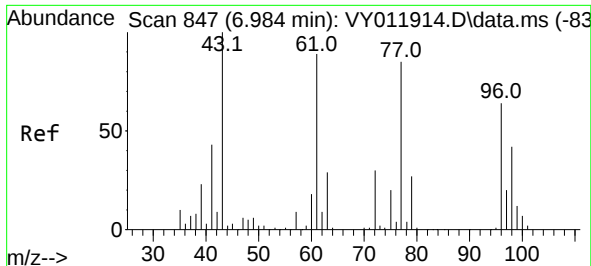
Tgt Ion: 43 Resp: 2214

Ion Ratio Lower Upper

43 100

58 39.9 27.9 41.9

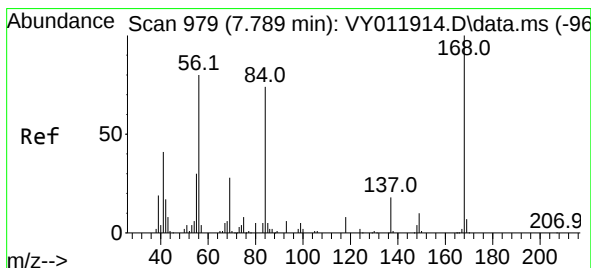
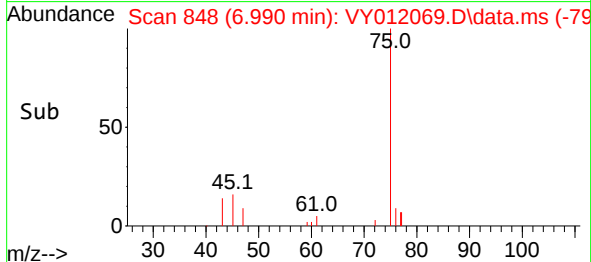
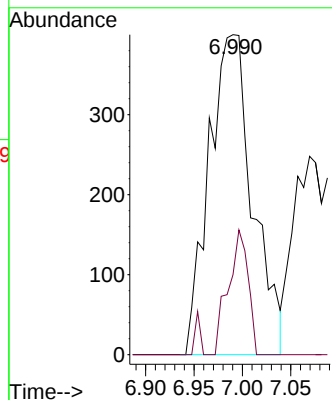
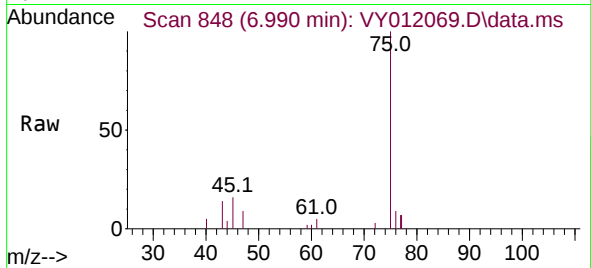




#25
2-Butanone
Concen: 2.101 ug/l
RT: 6.990 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY012069.D
Acq: 04 Jan 2023 14:24

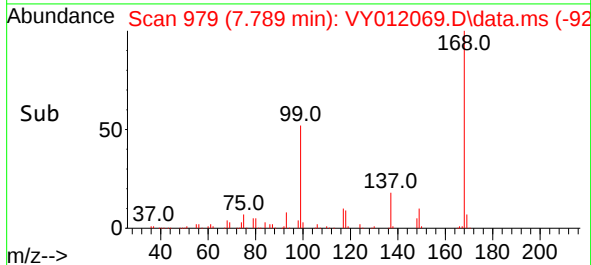
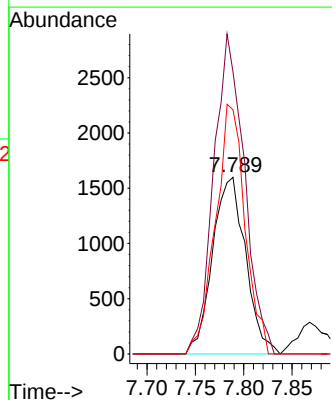
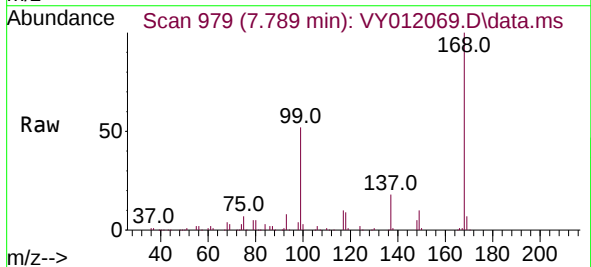
Instrument :
MSVOA_Y
ClientSampleId :
CONTAINMENT-STONES

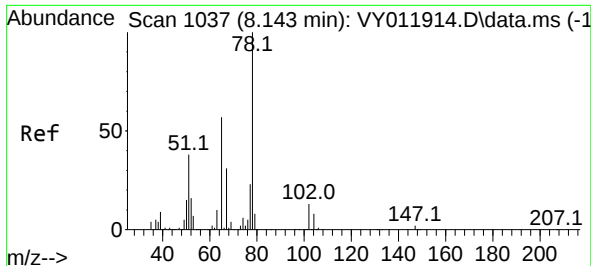
Tgt Ion: 43 Resp: 1259
Ion Ratio Lower Upper
43 100
72 25.0 22.6 34.0



#31
Cyclohexane
Concen: 1.255 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY012069.D
Acq: 04 Jan 2023 14:24

Tgt Ion: 56 Resp: 3802
Ion Ratio Lower Upper
56 100
69 159.6 29.2 43.8#
84 138.1 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 56.919 ug/l

RT: 8.136 min Scan# 1

Delta R.T. -0.007 min

Lab File: VY012069.D

Acq: 04 Jan 2023 14:24

Instrument :

MSVOA_Y

ClientSampleId :

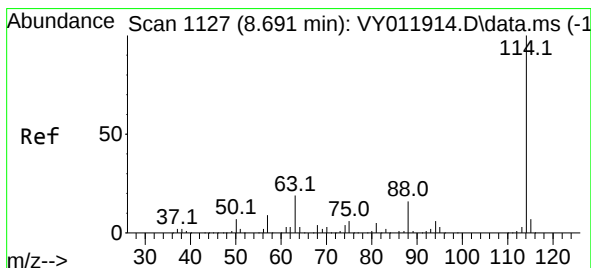
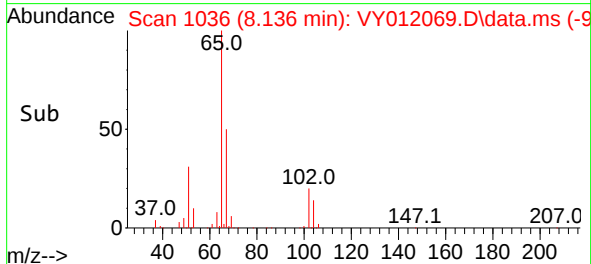
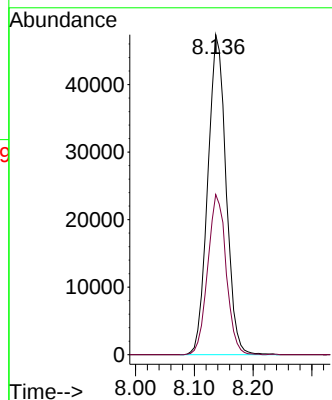
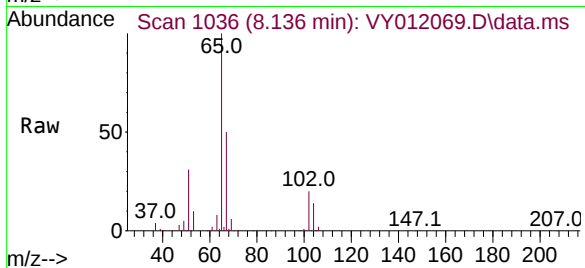
CONTAINMENT-STONES

Tgt Ion: 65 Resp: 102408

Ion Ratio Lower Upper

65 100

67 50.4 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012069.D

Acq: 04 Jan 2023 14:24

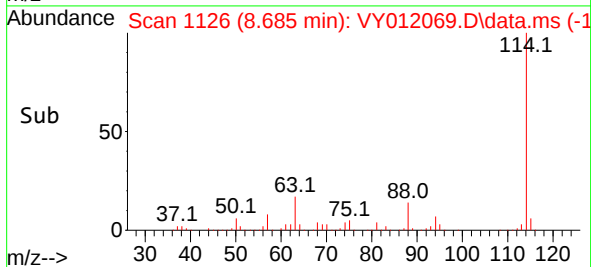
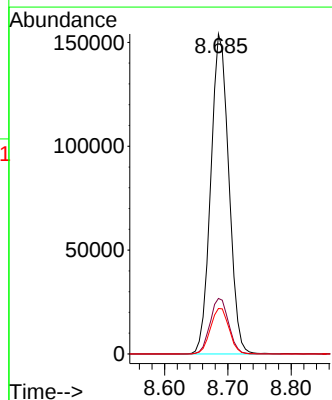
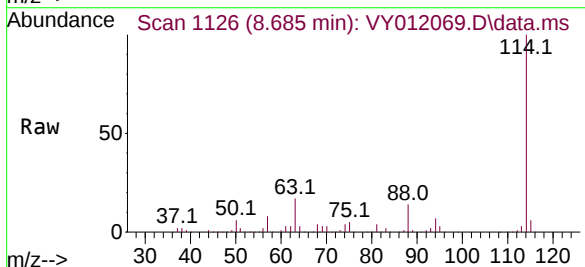
Tgt Ion: 114 Resp: 304491

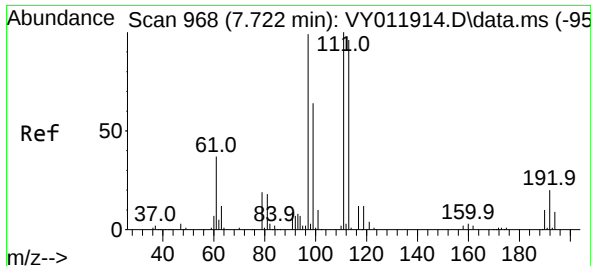
Ion Ratio Lower Upper

114 100

63 17.3 0.0 39.6

88 14.2 0.0 32.2





#35

Dibromofluoromethane

Concen: 50.641 ug/l

RT: 7.716 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY012069.D

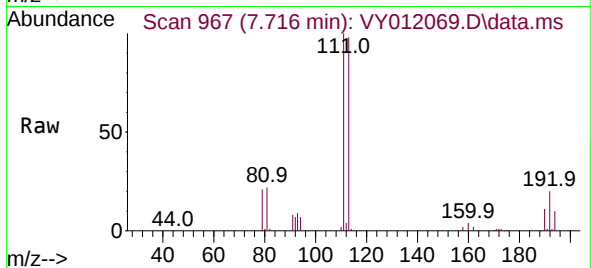
Acq: 04 Jan 2023 14:24

Instrument :

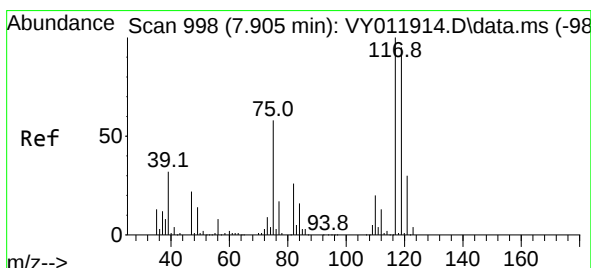
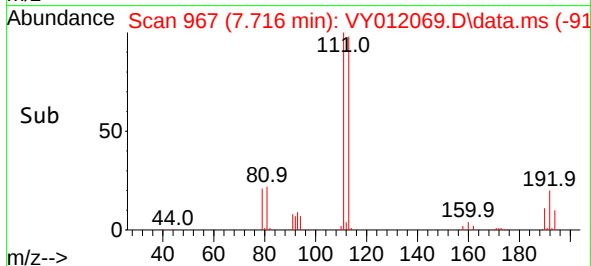
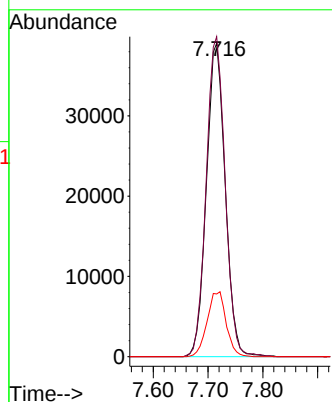
MSVOA_Y

ClientSampleId :

CONTAINMENT-STONES



Tgt Ion:	113	Resp:	92832
Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.0	124.4
192	21.0	16.0	24.0



#38

Carbon Tetrachloride

Concen: 5.158 ug/l

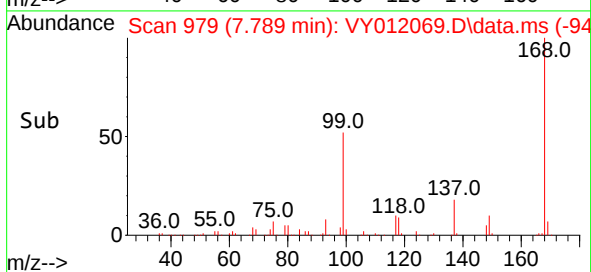
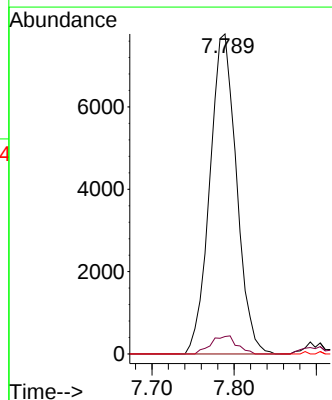
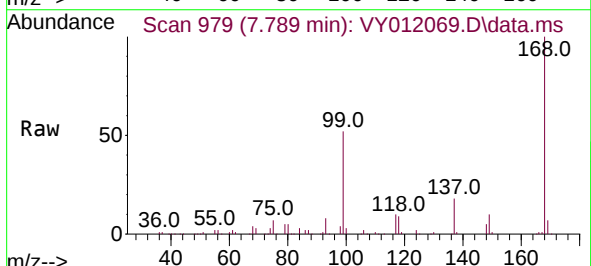
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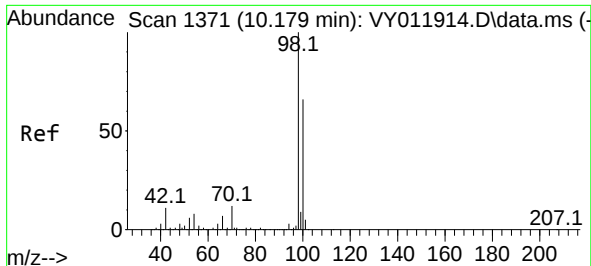
Delta R.T. -0.116 min

Lab File: VY012069.D

Acq: 04 Jan 2023 14:24

Tgt Ion:	117	Resp:	17515
Ion	Ratio	Lower	Upper
117	100		
119	5.5	73.8	110.8#
121	0.0	25.2	37.8#

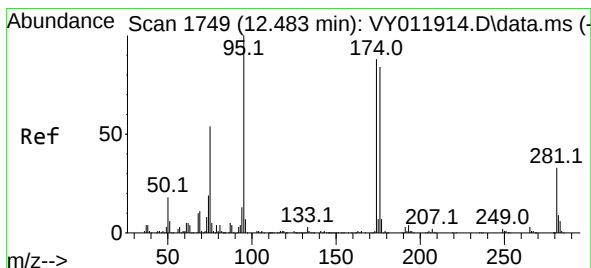
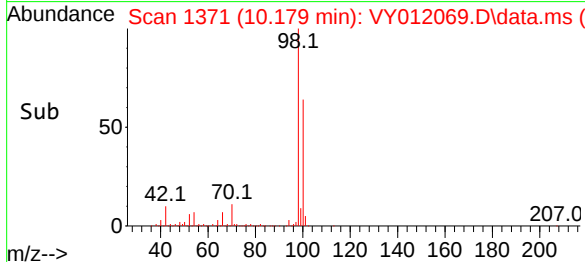
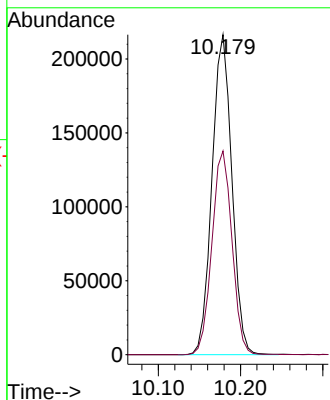
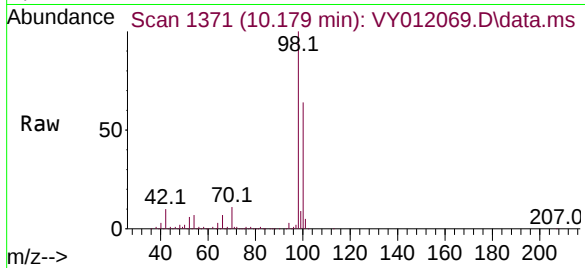




#50
Toluene-d8
Concen: 48.860 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012069.D
Acq: 04 Jan 2023 14:24

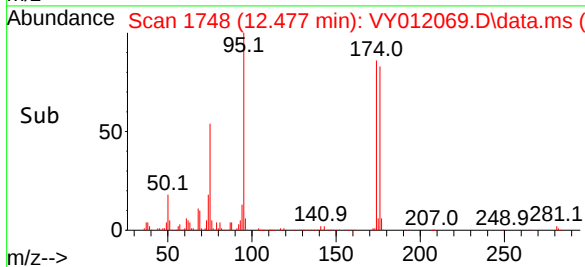
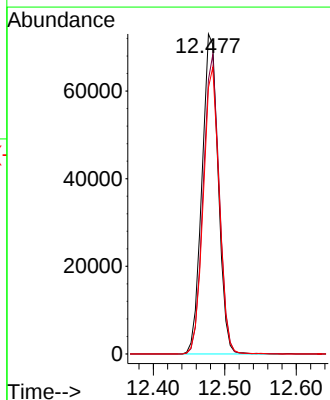
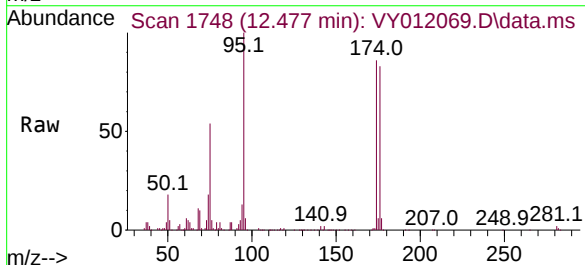
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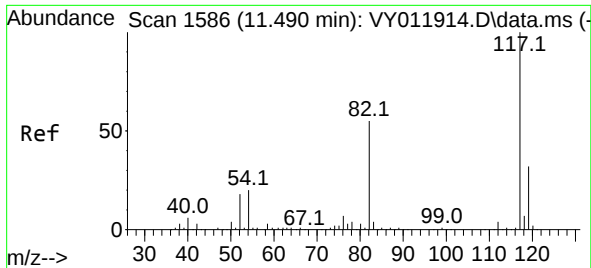
Tgt Ion: 98 Resp: 363391
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 46.092 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY012069.D
Acq: 04 Jan 2023 14:24

Tgt Ion: 95 Resp: 115293
Ion Ratio Lower Upper
95 100
174 91.8 0.0 172.0
176 88.2 0.0 167.6

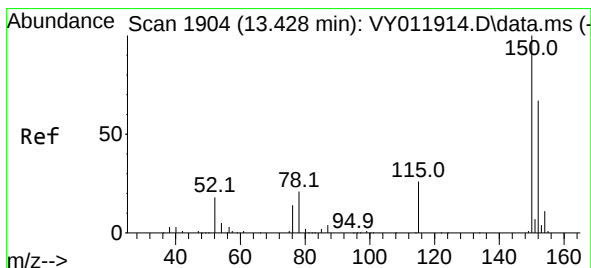
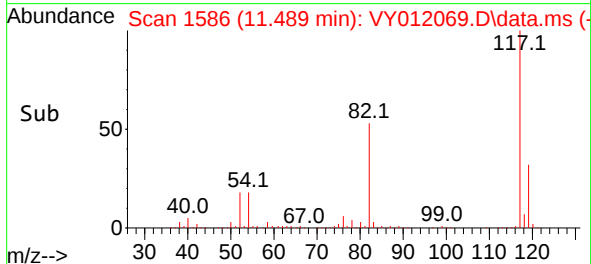
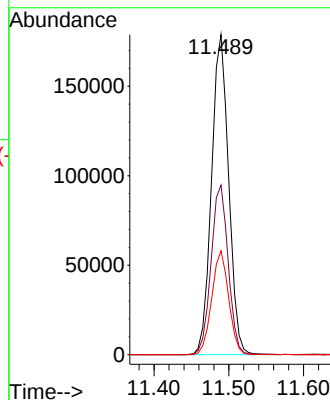
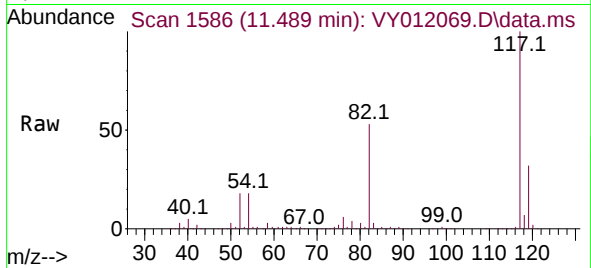




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012069.D
Acq: 04 Jan 2023 14:24

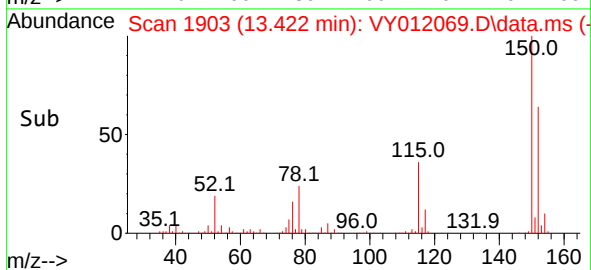
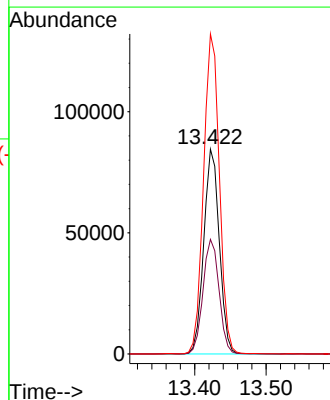
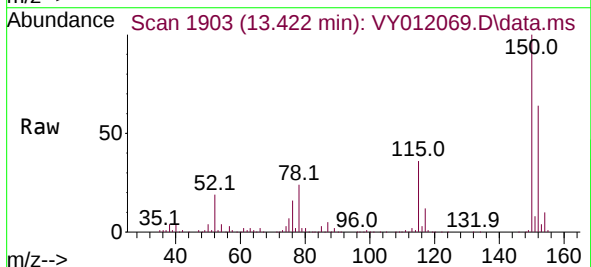
Instrument :
MSVOA_Y
ClientSampleId :
CONTAINMENT-STONES

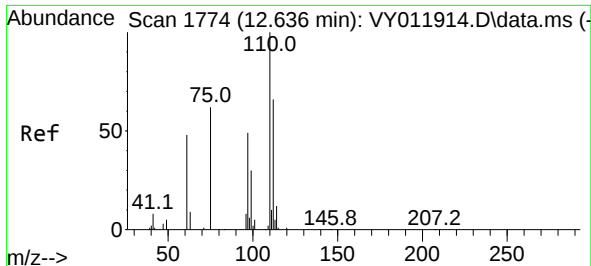
Tgt Ion:117 Resp: 284354
Ion Ratio Lower Upper
117 100
82 53.0 44.8 67.2
119 32.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY012069.D
Acq: 04 Jan 2023 14:24

Tgt Ion:152 Resp: 127683
Ion Ratio Lower Upper
152 100
115 57.7 29.1 87.3
150 158.9 0.0 342.6

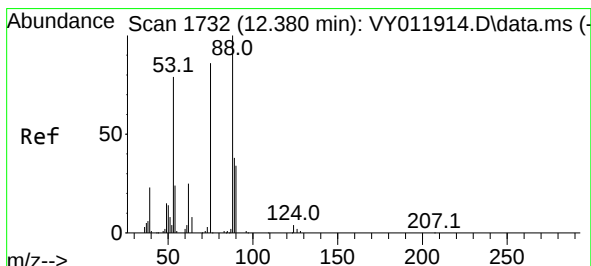
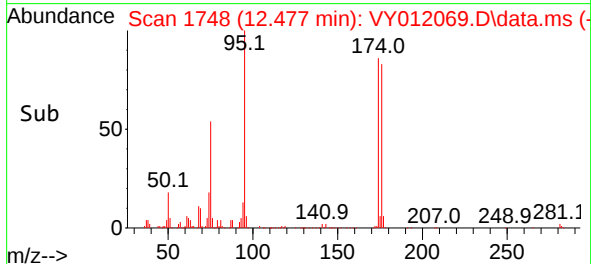
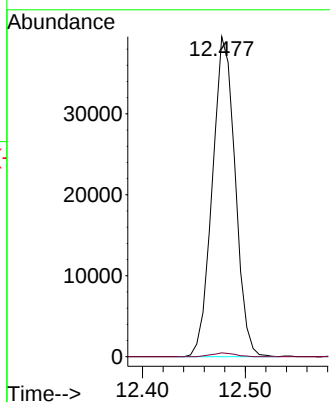
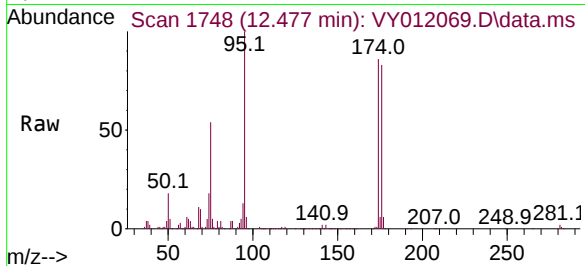




#76
1,2,3-Trichloropropane
Concen: 38.392 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY012069.D
Acq: 04 Jan 2023 14:24

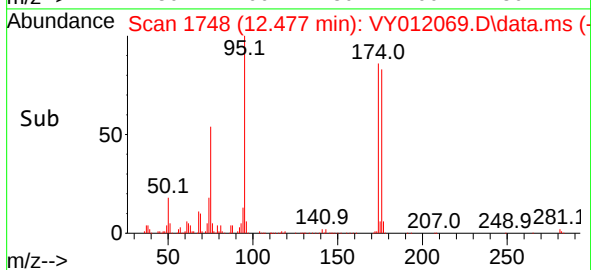
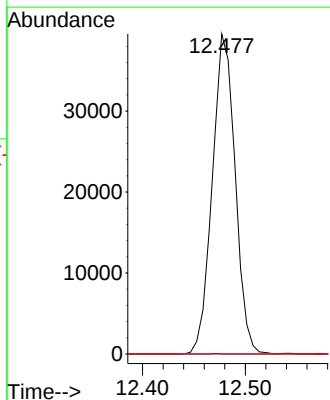
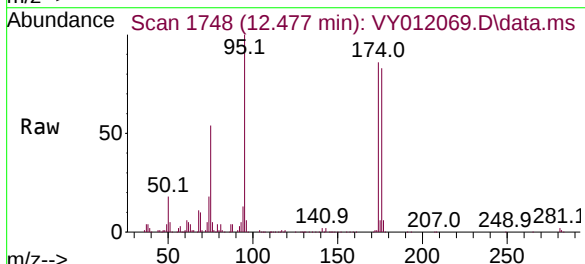
Instrument :
MSVOA_Y
ClientSampleId :
CONTAINMENT-STONES

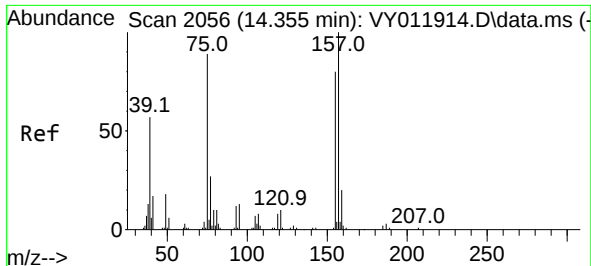
Tgt Ion: 75 Resp: 60997
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.136 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY012069.D
Acq: 04 Jan 2023 14:24

Tgt Ion: 75 Resp: 60997
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.808 ug/l

RT: 14.221 min Scan# 2056

Delta R.T. -0.134 min

Lab File: VY012069.D

Acq: 04 Jan 2023 14:24

Instrument :

MSVOA_Y

ClientSampleId :

CONTAINMENT-STONES

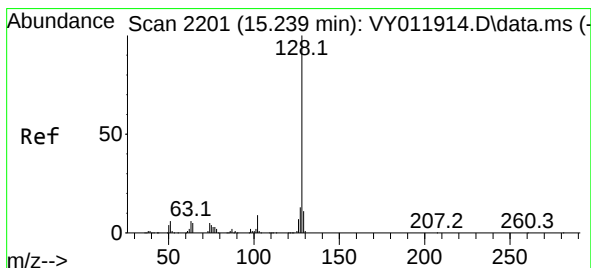
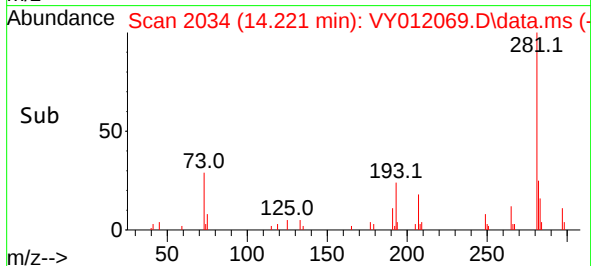
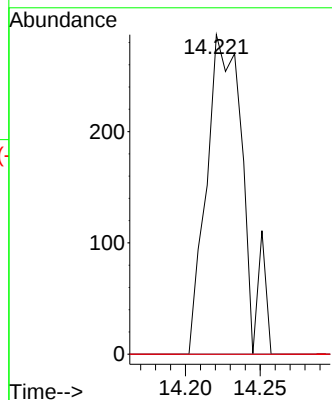
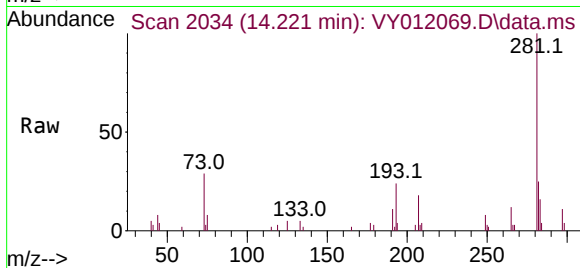
Tgt Ion: 75 Resp: 491

Ion Ratio Lower Upper

75 100

155 0.0 42.3 126.8#

157 0.0 54.4 163.3#



#95

Naphthalene

Concen: 3.051 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. -0.006 min

Lab File: VY012069.D

Acq: 04 Jan 2023 14:24

Tgt Ion: 128 Resp: 1357

Ion Ratio Lower Upper

128 100

127 8.6 10.2 15.2#

129 4.7 8.8 13.2#

