

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050823\
 Data File : VY013650.D
 Acq On : 08 May 2023 15:35
 Operator : KP/MD
 Sample : 02659-04
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DGA-CRUSHED-STONE

Quant Time: May 09 04:57:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	225381	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	389056	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	388818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	189412	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	153499	62.128	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	124.260%
35) Dibromofluoromethane	7.716	113	127180	51.974	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.940%
50) Toluene-d8	10.179	98	495583	56.931	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	113.860%
62) 4-Bromofluorobenzene	12.477	95	183280	62.454	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	124.900%

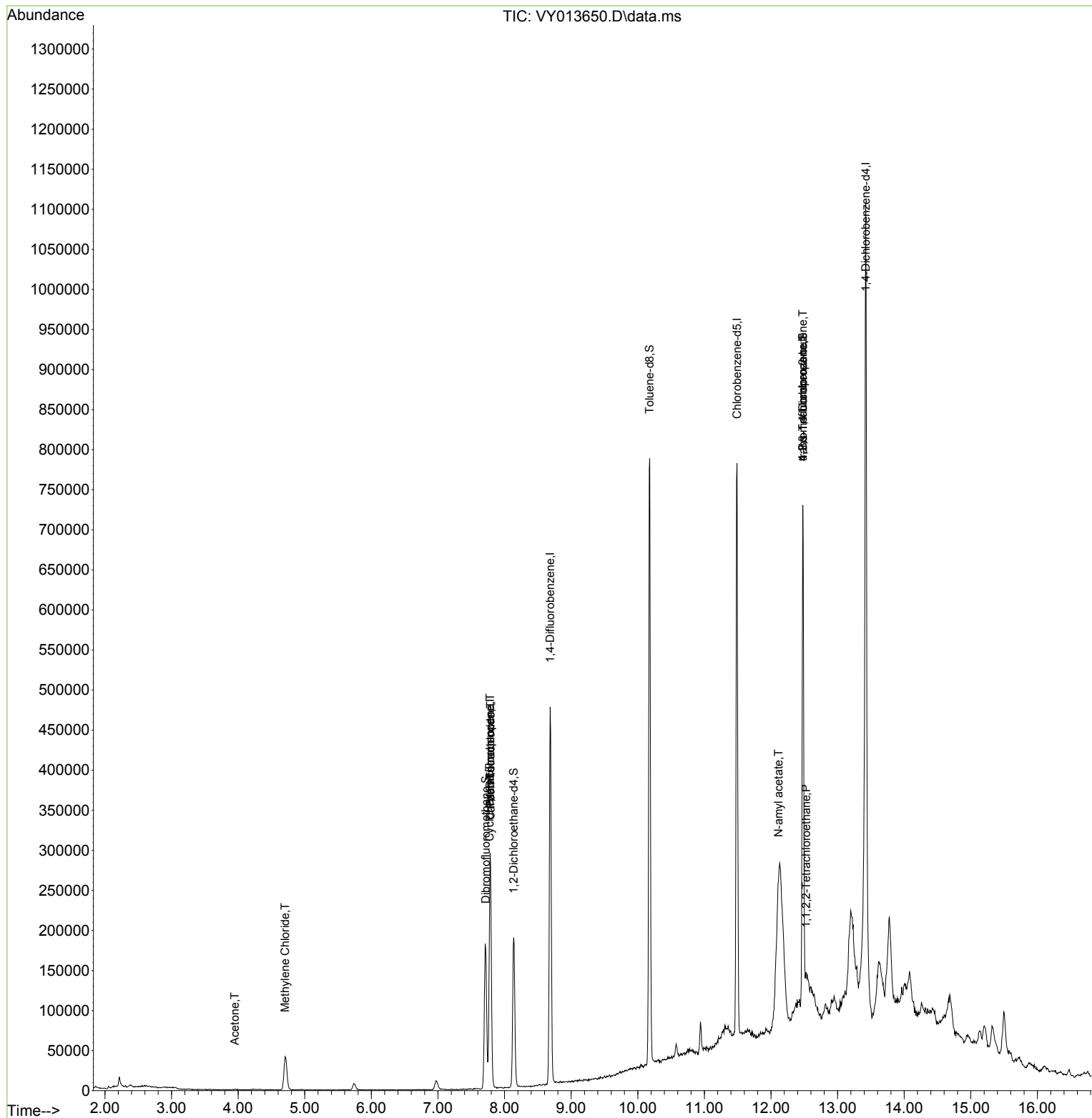
Target Compounds					Qvalue	
13) Acrolein	3.717	56	20	Below Cal	#	16
16) Acetone	3.948	43	1205	1.238	ug/l #	82
20) Methylene Chloride	4.704	84	31289	2.595	ug/l	91
31) Cyclohexane	7.777	56	5204	1.176	ug/l #	41
36) 1,1-Dichloropropene	7.783	75	17396	4.284	ug/l #	49
38) Carbon Tetrachloride	7.789	117	21802	5.122	ug/l #	15
74) N-amyl acetate	12.111	43	9201	1.805	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.526	83	5814	1.660	ug/l #	29
76) 1,2,3-Trichloropropane	12.477	75	96838	37.910	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	96838	77.546	ug/l #	13

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

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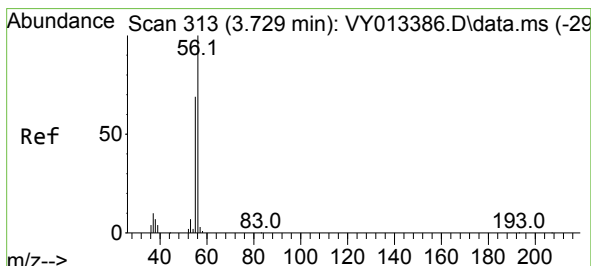
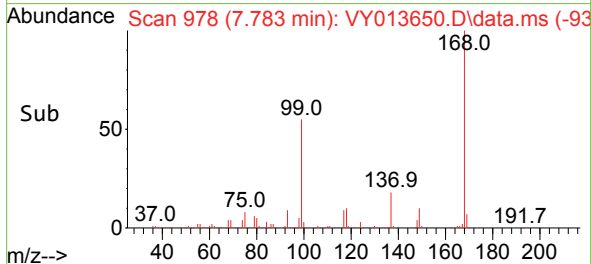
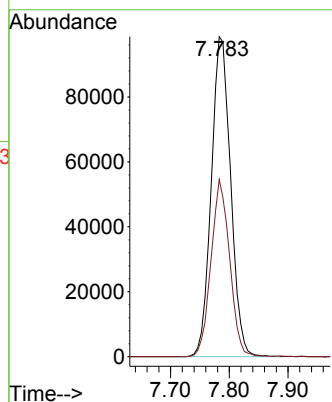
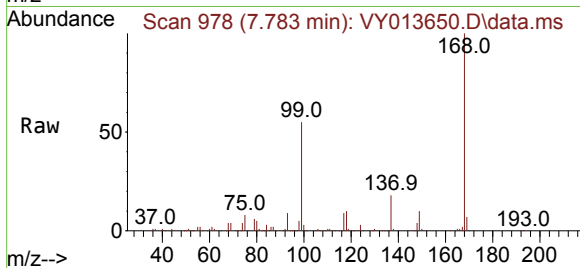




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013650.D
Acq: 08 May 2023 15:35

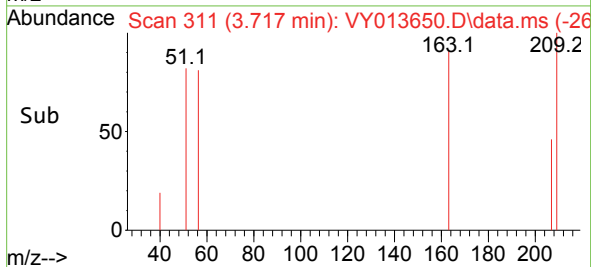
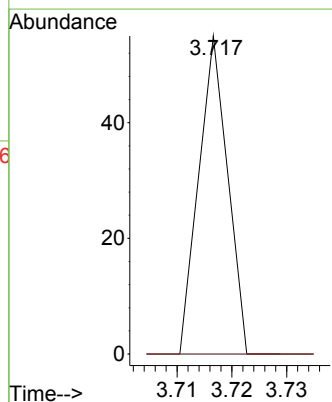
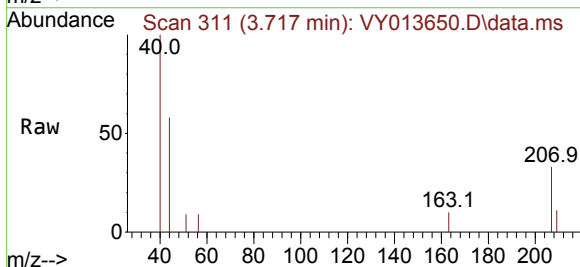
Instrument :
MSVOA_Y
ClientSampleId :
DGA-CRUSHED-STONE

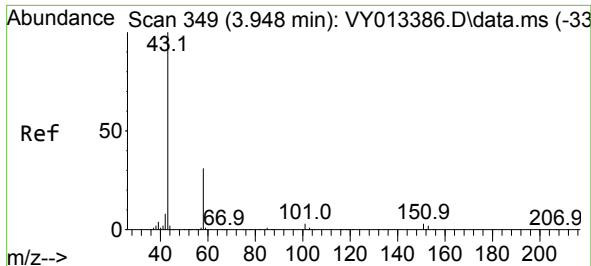
Tgt Ion:168 Resp: 225381
Ion Ratio Lower Upper
168 100
99 55.3 41.8 62.6



#13
Acrolein
Concen: Below Cal
RT: 3.717 min Scan# 311
Delta R.T. -0.012 min
Lab File: VY013650.D
Acq: 08 May 2023 15:35

Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#

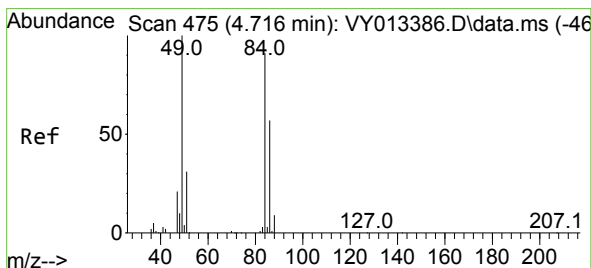
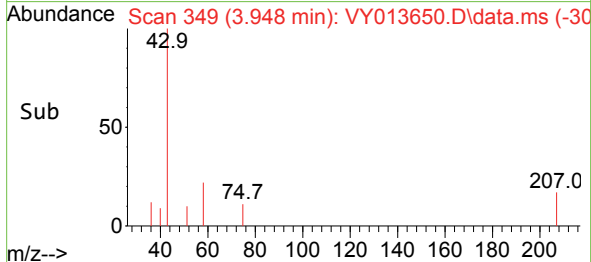
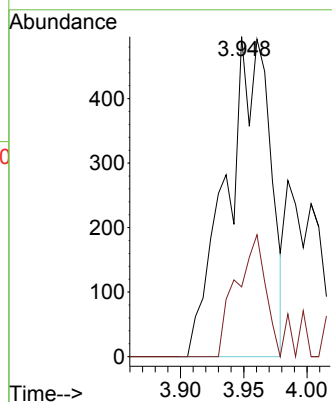
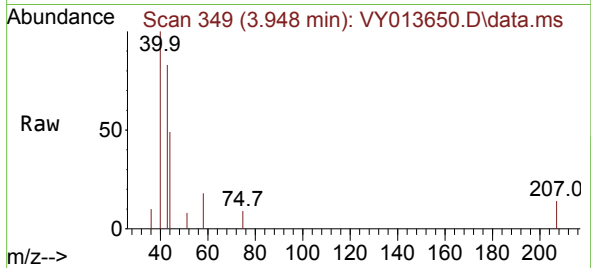




#16
Acetone
Concen: 1.238 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY013650.D
Acq: 08 May 2023 15:35

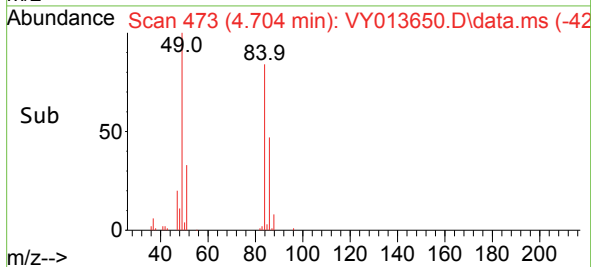
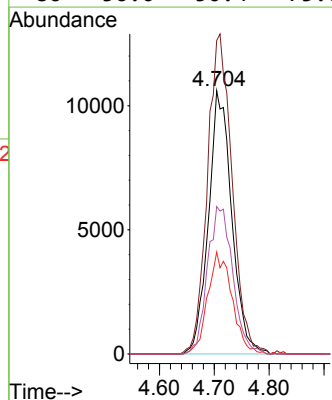
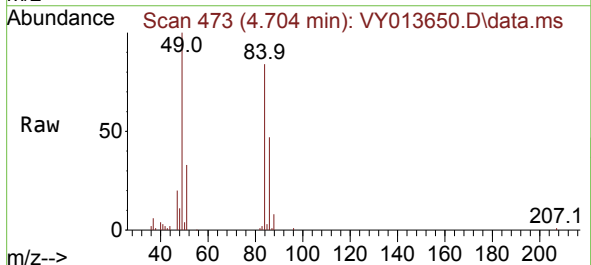
Instrument :
MSVOA_Y
ClientSampleId :
DGA-CRUSHED-STONE

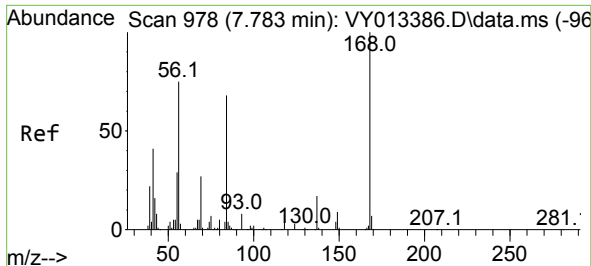
Tgt Ion: 43 Resp: 1205
Ion Ratio Lower Upper
43 100
58 21.8 25.4 38.0#



#20
Methylene Chloride
Concen: 2.595 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.012 min
Lab File: VY013650.D
Acq: 08 May 2023 15:35

Tgt Ion: 84 Resp: 31289
Ion Ratio Lower Upper
84 100
49 119.1 88.0 132.0
51 38.7 27.4 41.0
86 56.0 50.4 75.6

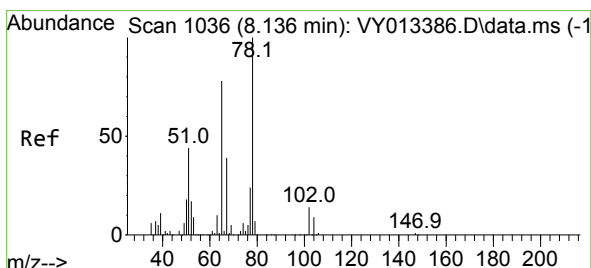
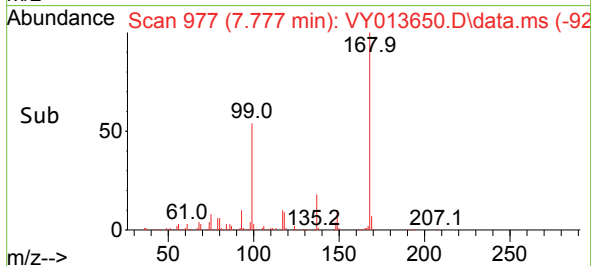
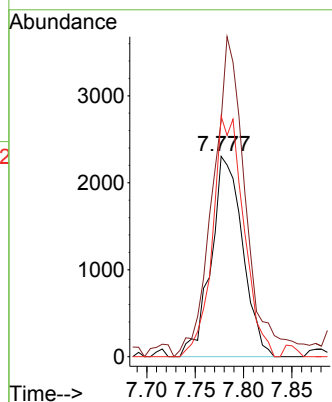
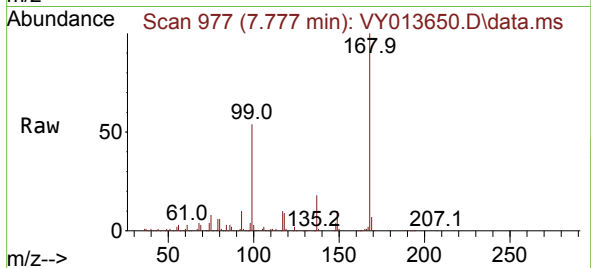




#31
Cyclohexane
Concen: 1.176 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013650.D
Acq: 08 May 2023 15:35

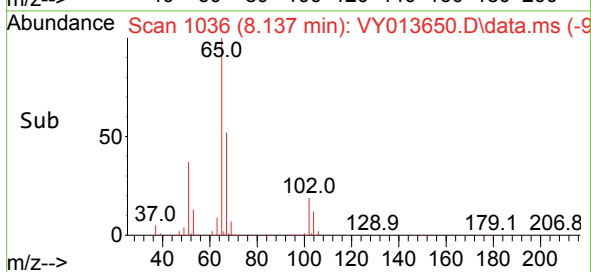
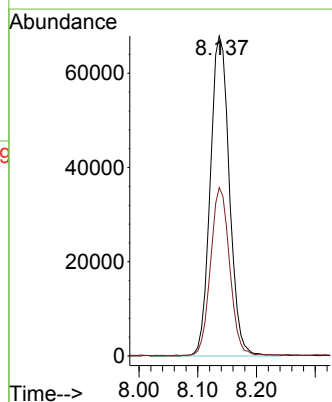
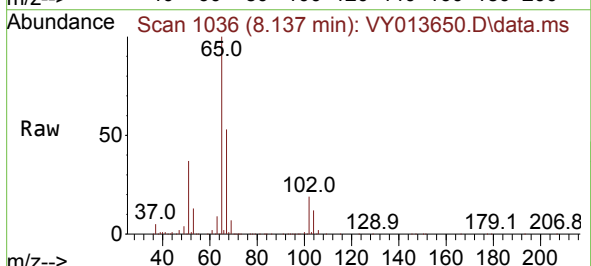
Instrument :
MSVOA_Y
ClientSampleId :
DGA-CRUSHED-STONE

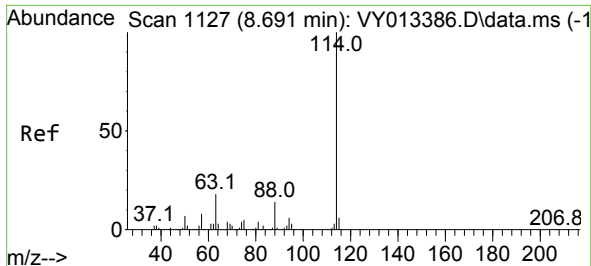
Tgt Ion: 56 Resp: 5204
Ion Ratio Lower Upper
56 100
69 114.7 29.2 43.8#
84 120.0 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 62.128 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY013650.D
Acq: 08 May 2023 15:35

Tgt Ion: 65 Resp: 153499
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.4

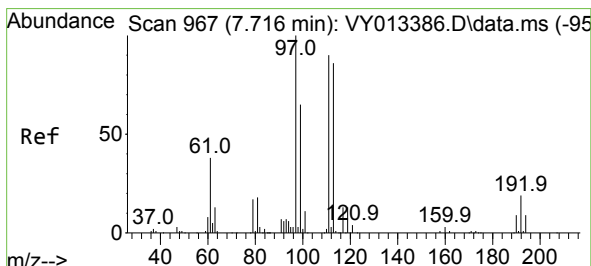
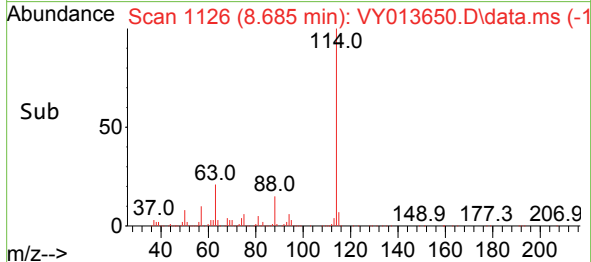
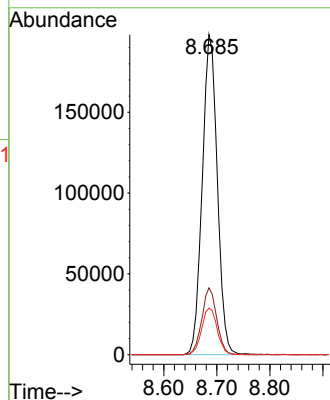
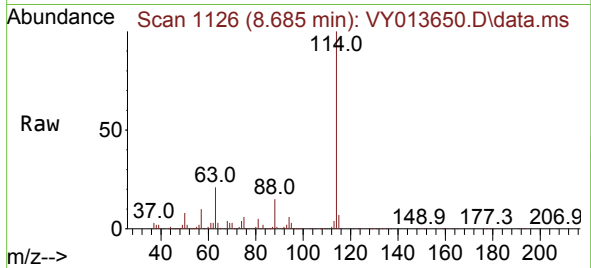




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013650.D
Acq: 08 May 2023 15:35

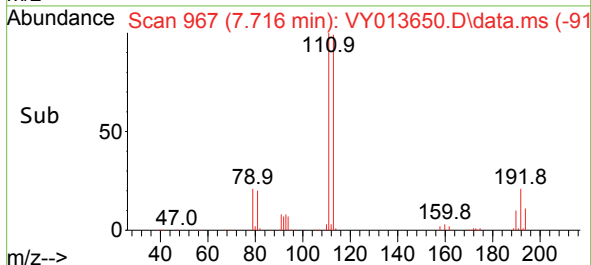
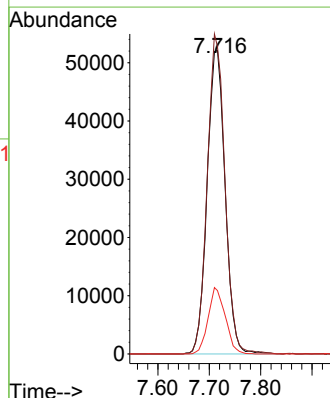
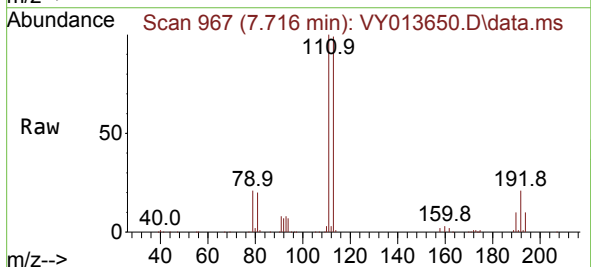
Instrument :
MSVOA_Y
ClientSampleId :
DGA-CRUSHED-STONE

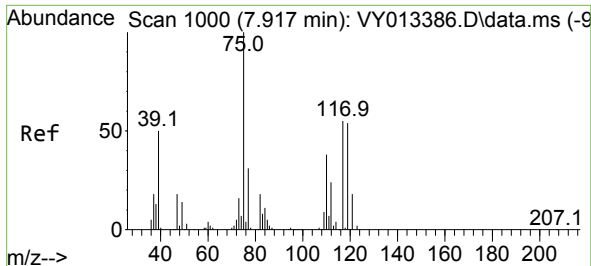
Tgt Ion:114 Resp: 389056
Ion Ratio Lower Upper
114 100
63 20.9 0.0 36.6
88 14.5 0.0 28.8



#35
Dibromofluoromethane
Concen: 51.974 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY013650.D
Acq: 08 May 2023 15:35

Tgt Ion:113 Resp: 127180
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.2
192 20.8 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.284 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY013650.D

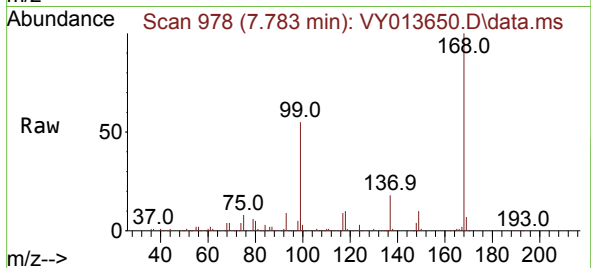
Acq: 08 May 2023 15:35

Instrument :

MSVOA_Y

ClientSampleId :

DGA-CRUSHED-STONE



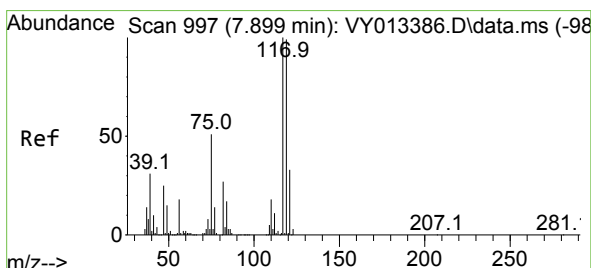
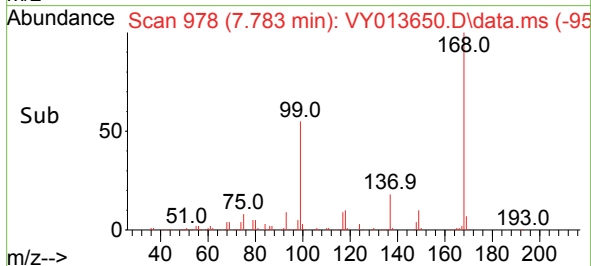
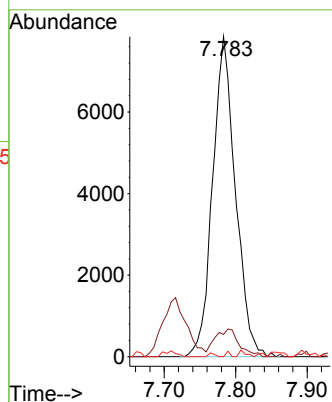
Tgt Ion: 75 Resp: 17396

Ion Ratio Lower Upper

75 100

110 9.1 18.7 56.1#

77 0.3 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.122 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY013650.D

Acq: 08 May 2023 15:35

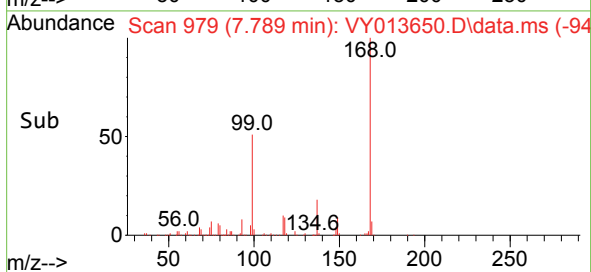
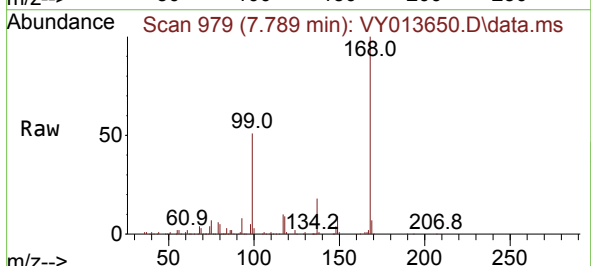
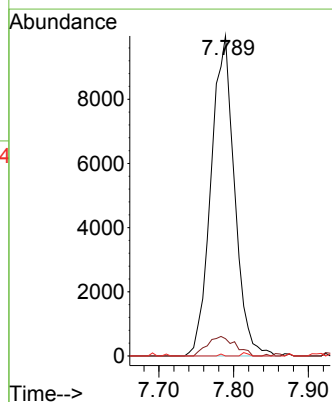
Tgt Ion: 117 Resp: 21802

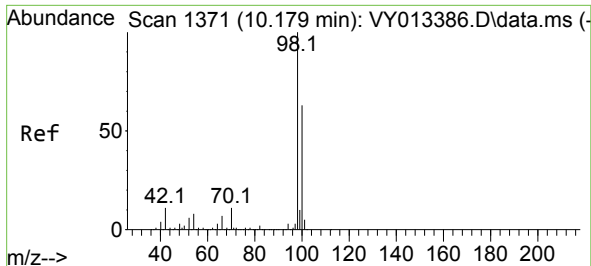
Ion Ratio Lower Upper

117 100

119 5.4 79.0 118.6#

121 0.0 26.6 40.0#

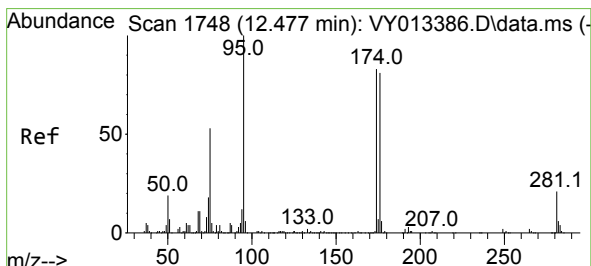
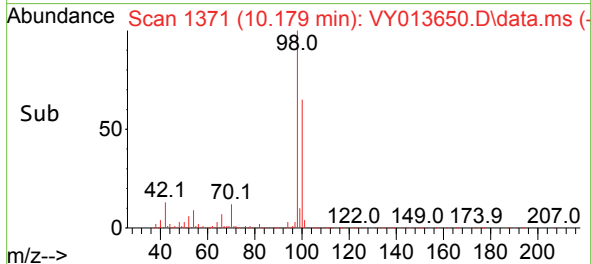
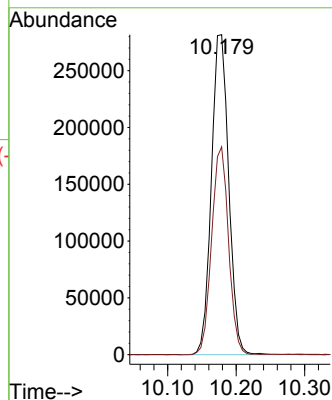
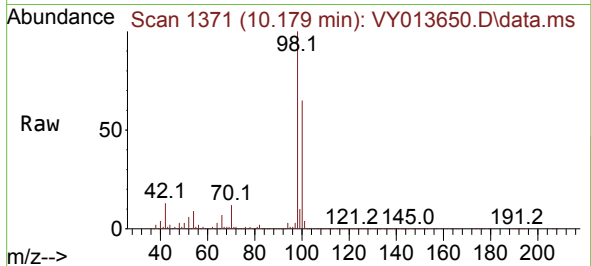




#50
Toluene-d8
Concen: 56.931 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013650.D
Acq: 08 May 2023 15:35

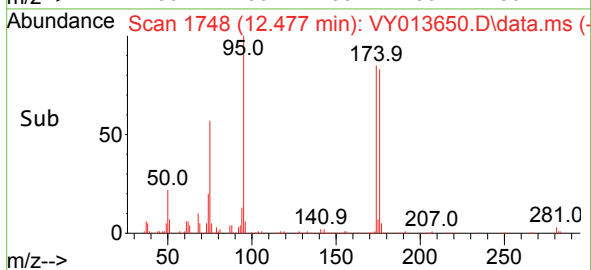
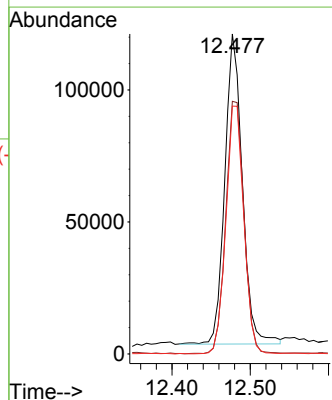
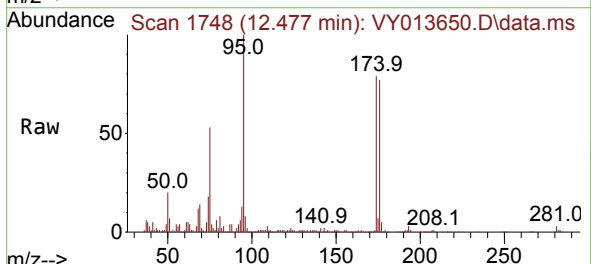
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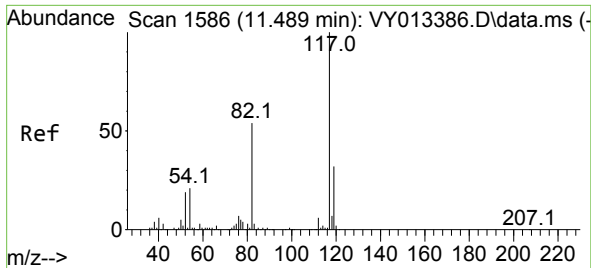
Tgt Ion: 98 Resp: 495583
Ion Ratio Lower Upper
98 100
100 63.4 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 62.454 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013650.D
Acq: 08 May 2023 15:35

Tgt Ion: 95 Resp: 183280
Ion Ratio Lower Upper
95 100
174 84.5 0.0 182.0
176 81.5 0.0 175.4

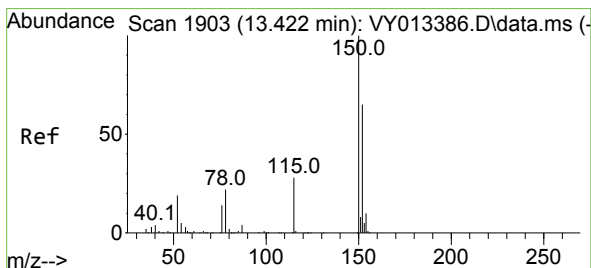
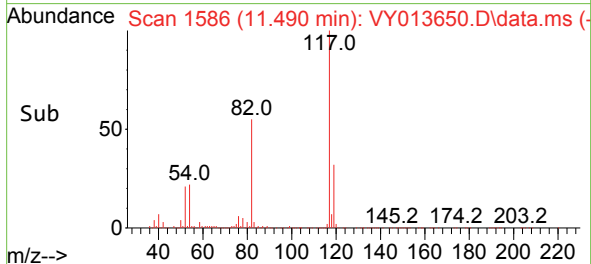
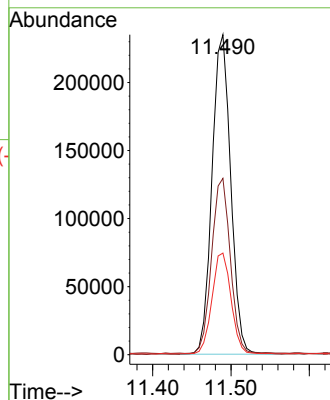
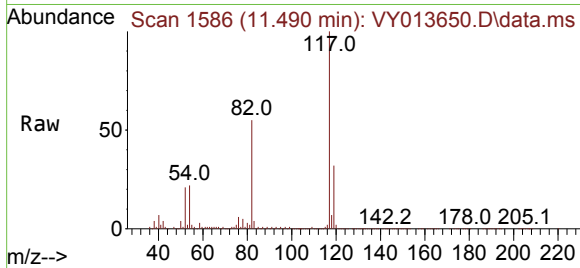




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY013650.D
Acq: 08 May 2023 15:35

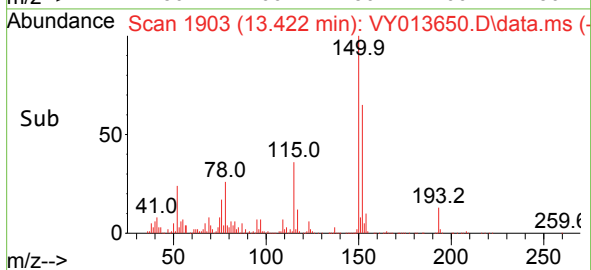
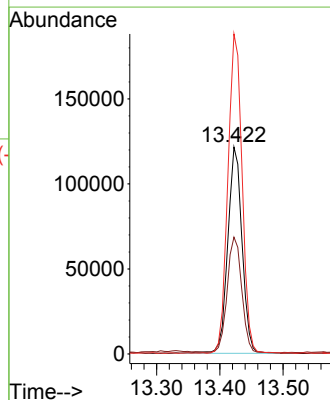
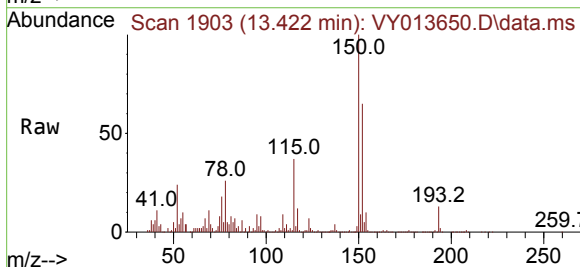
Instrument :
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DGA-CRUSHED-STONE

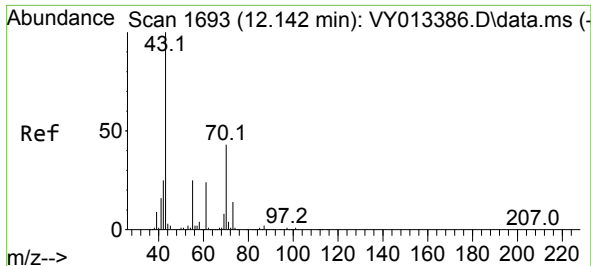
Tgt Ion:117 Resp: 388818
Ion Ratio Lower Upper
117 100
82 54.7 43.0 64.6
119 31.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY013650.D
Acq: 08 May 2023 15:35

Tgt Ion:152 Resp: 189412
Ion Ratio Lower Upper
152 100
115 57.3 28.1 84.2
150 154.7 0.0 352.0

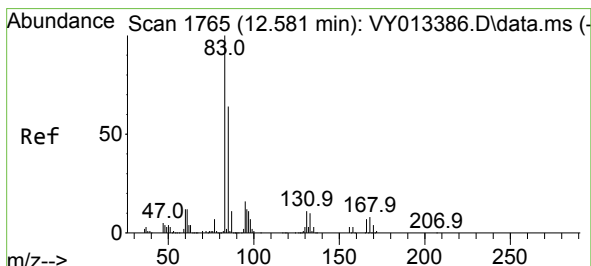
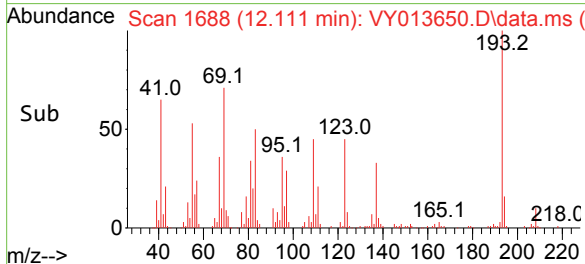
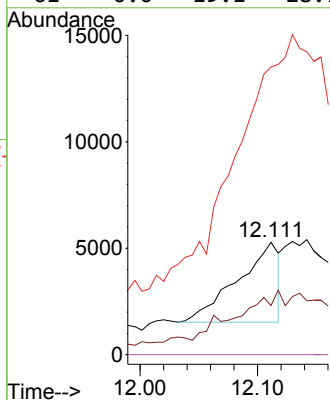
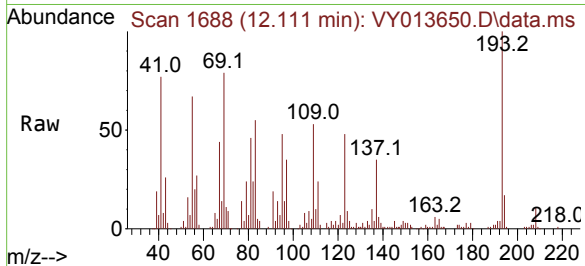




#74
N-amy1 acetate
Concen: 1.805 ug/l
RT: 12.111 min Scan# 1688
Delta R.T. -0.031 min
Lab File: VY013650.D
Acq: 08 May 2023 15:35

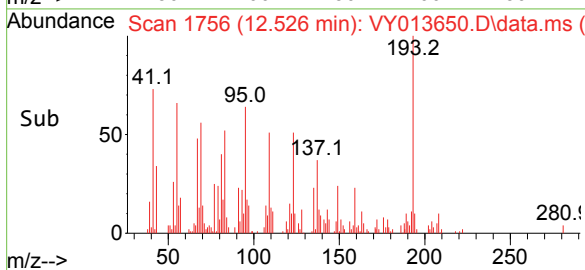
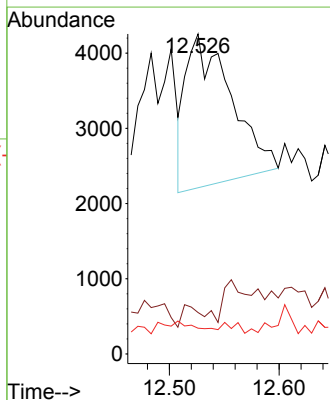
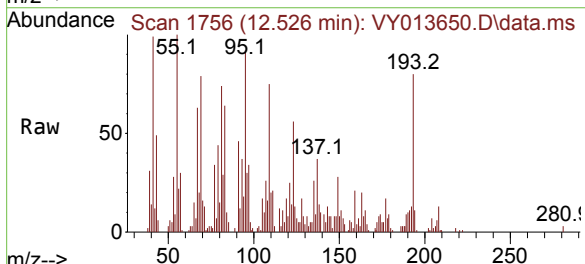
Instrument :
MSVOA_Y
ClientSampleId :
DGA-CRUSHED-STONE

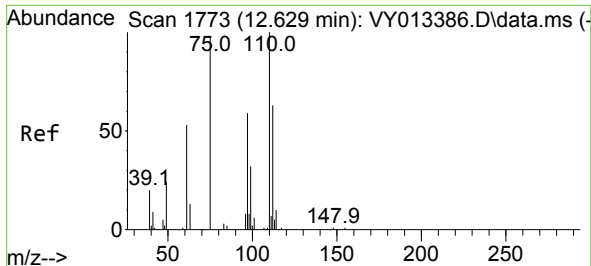
Tgt Ion: 43 Resp: 9201
Ion Ratio Lower Upper
43 100
70 66.7 33.0 49.4#
55 929.3 19.8 29.6#
61 0.0 19.1 28.7#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.660 ug/l
RT: 12.526 min Scan# 1756
Delta R.T. -0.055 min
Lab File: VY013650.D
Acq: 08 May 2023 15:35

Tgt Ion: 83 Resp: 5814
Ion Ratio Lower Upper
83 100
131 5.7 5.7 17.0
85 0.0 31.8 95.4#

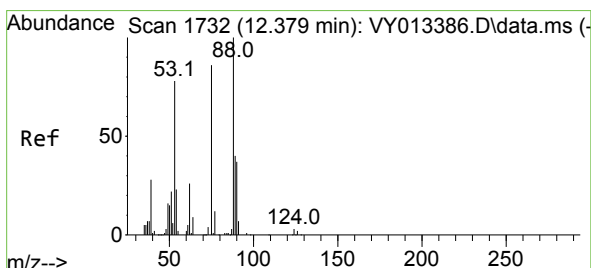
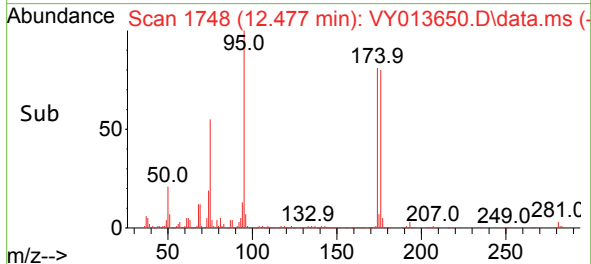
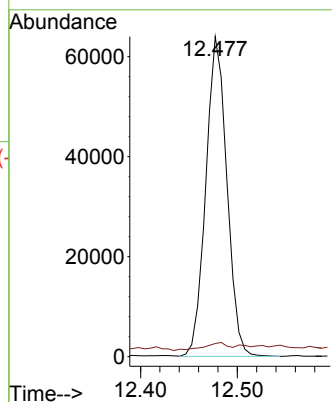
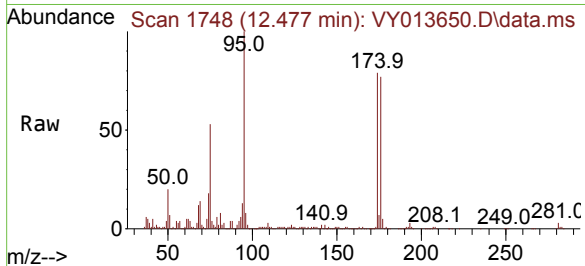




#76
1,2,3-Trichloropropane
Concen: 37.910 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013650.D
Acq: 08 May 2023 15:35

Instrument :
MSVOA_Y
ClientSampleId :
DGA-CRUSHED-STONE

Tgt Ion: 75 Resp: 96838
Ion Ratio Lower Upper
75 100
77 2.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.546 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013650.D
Acq: 08 May 2023 15:35

Tgt Ion: 75 Resp: 96838
Ion Ratio Lower Upper
75 100
53 0.0 73.2 109.8#
89 0.3 38.0 57.0#

