

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072523\
 Data File : VY014813.D
 Acq On : 25 Jul 2023 19:42
 Operator : SY/MD
 Sample : 03738-04
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 80002

Quant Time: Jul 26 01:23:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

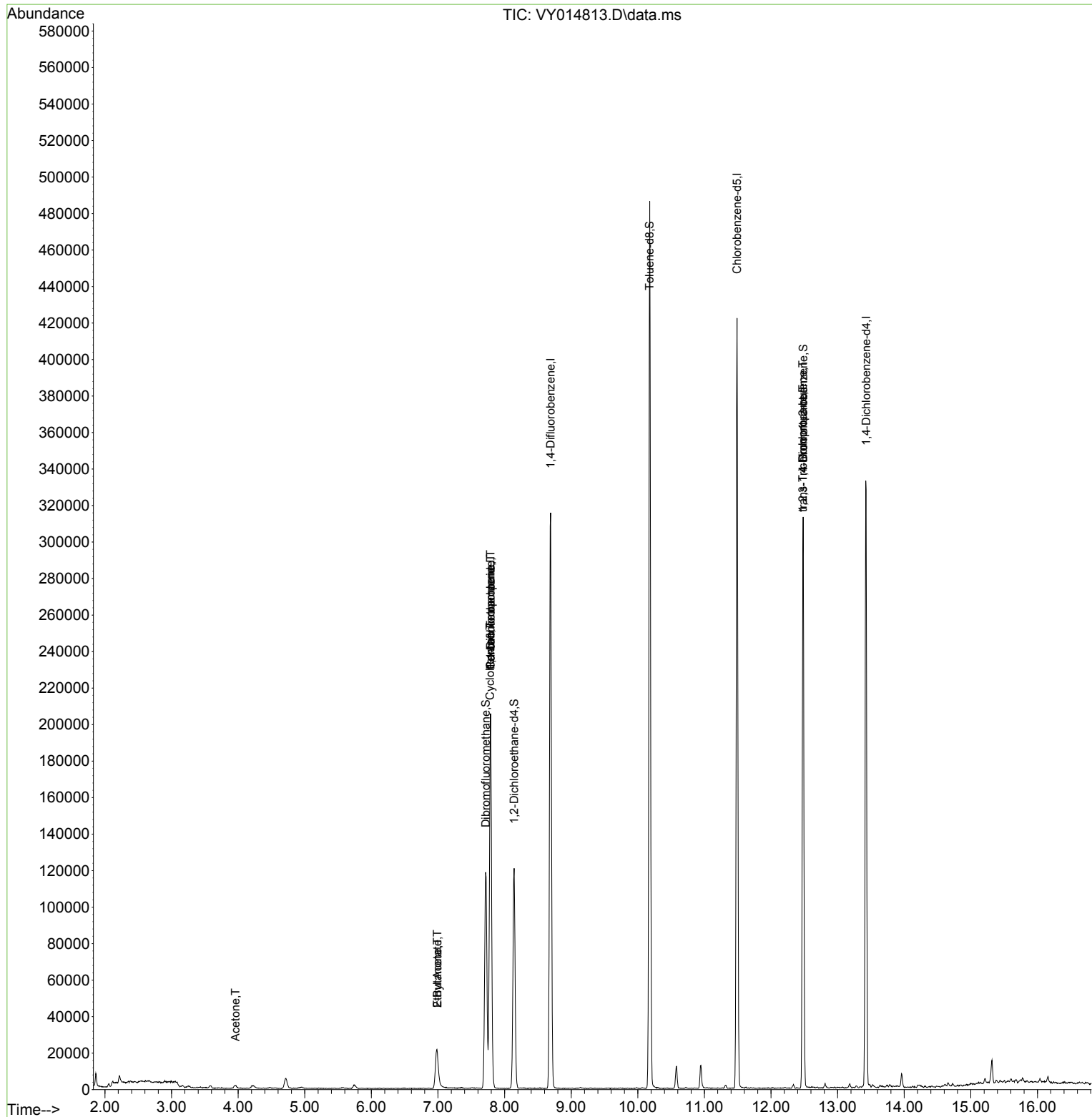
Internal Standards						
1) Pentafluorobenzene	7.789	168	157667	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	274394	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	228682	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	86730	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	94024	52.332	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.660%
35) Dibromofluoromethane	7.716	113	85462	48.927	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.860%
50) Toluene-d8	10.179	98	311998	48.448	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.900%
62) 4-Bromofluorobenzene	12.483	95	95819	38.805	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.600%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	437	Below Cal	#	89
16) Acetone	3.960	43	3198	5.617	ug/l #	82
20) Methylene Chloride	4.716	84	4018	Below Cal		88
25) 2-Butanone	6.990	43	2343	2.813	ug/l	94
31) Cyclohexane	7.783	56	3617	1.213	ug/l #	47
36) 1,1-Dichloropropene	7.789	75	12227	4.681	ug/l #	50
37) Ethyl Acetate	6.990	43	2343	1.303	ug/l #	47
38) Carbon Tetrachloride	7.789	117	15940	5.773	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	50112	45.749	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	50112	88.578	ug/l #	10

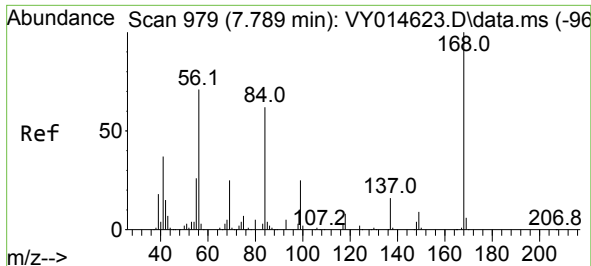
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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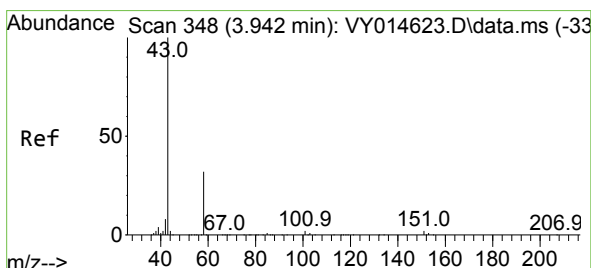
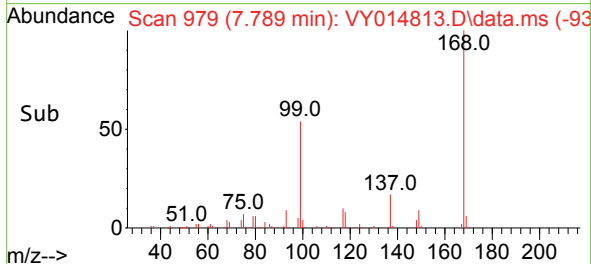
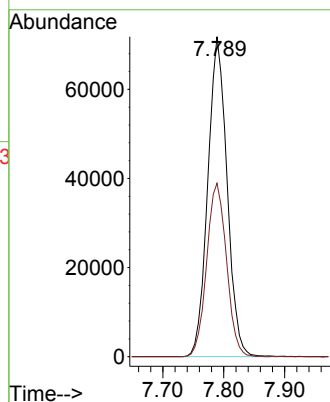
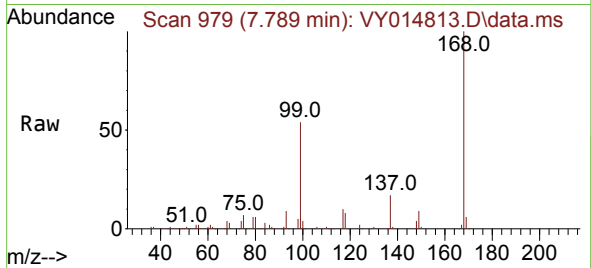




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014813.D
Acq: 25 Jul 2023 19:42

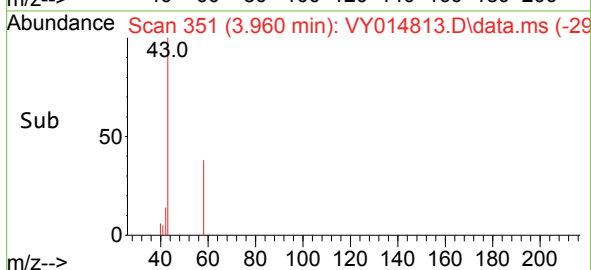
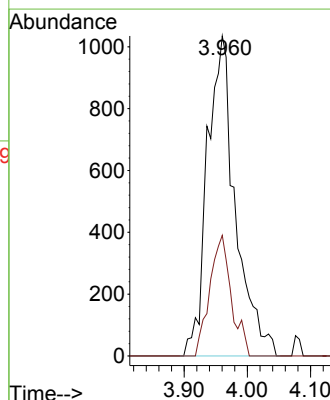
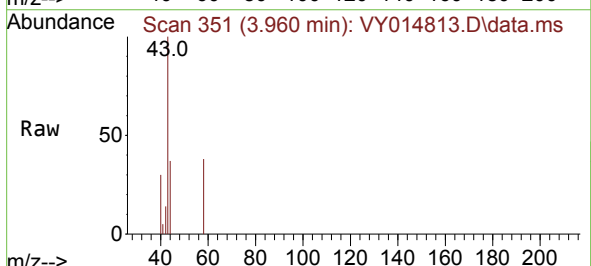
Instrument :
MSVOA_Y
ClientSampleId :
80002

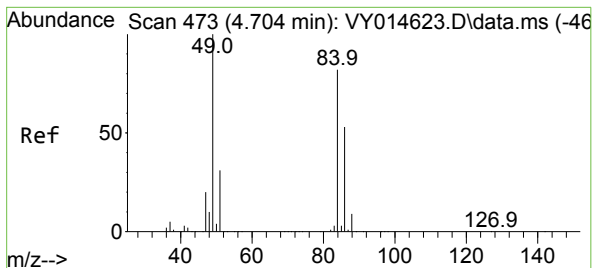
Tgt Ion:168 Resp: 157667
Ion Ratio Lower Upper
168 100
99 54.2 43.4 65.0



#16
Acetone
Concen: 5.617 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.018 min
Lab File: VY014813.D
Acq: 25 Jul 2023 19:42

Tgt Ion: 43 Resp: 3198
Ion Ratio Lower Upper
43 100
58 37.7 22.7 34.1#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 41

Delta R.T. 0.012 min

Lab File: VY014813.D

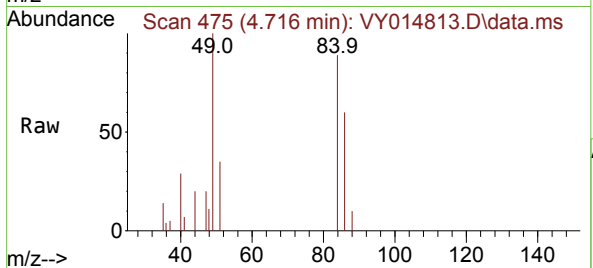
Acq: 25 Jul 2023 19:42

Instrument :

MSVOA_Y

ClientSampleId :

80002



Tgt Ion: 84 Resp: 4018

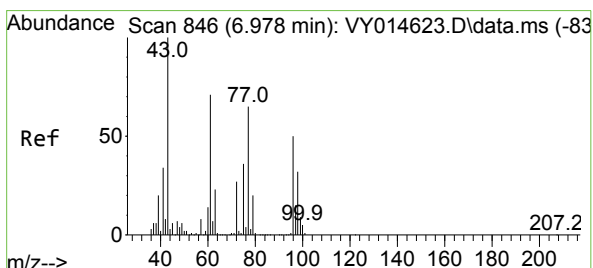
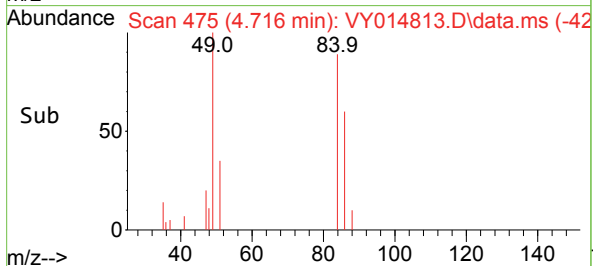
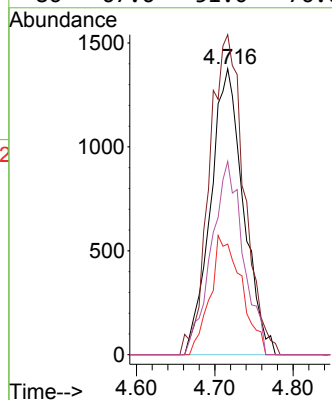
Ion Ratio Lower Upper

84 100

49 111.9 106.9 160.3

51 38.7 33.2 49.8

86 67.6 51.0 76.6



#25

2-Butanone

Concen: 2.813 ug/l

RT: 6.990 min Scan# 848

Delta R.T. 0.012 min

Lab File: VY014813.D

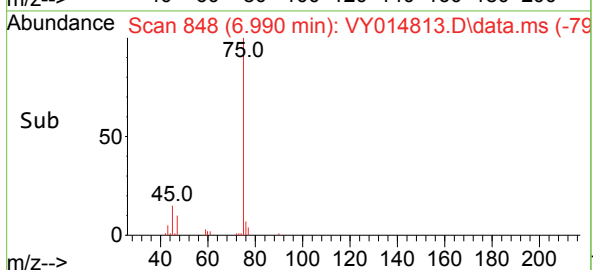
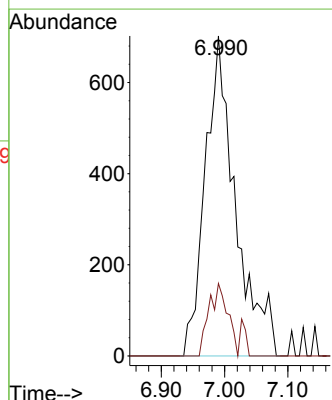
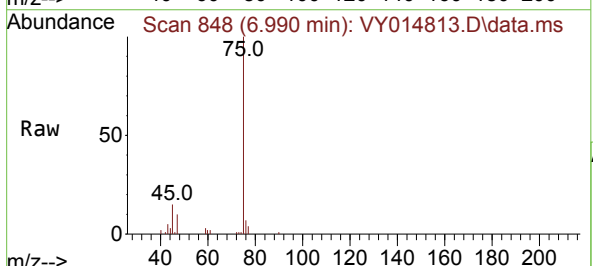
Acq: 25 Jul 2023 19:42

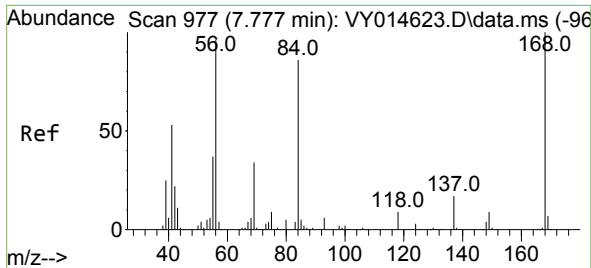
Tgt Ion: 43 Resp: 2343

Ion Ratio Lower Upper

43 100

72 22.6 20.5 30.7

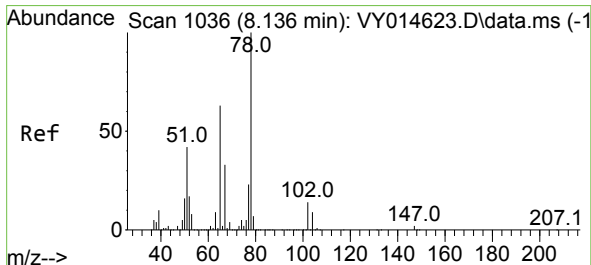
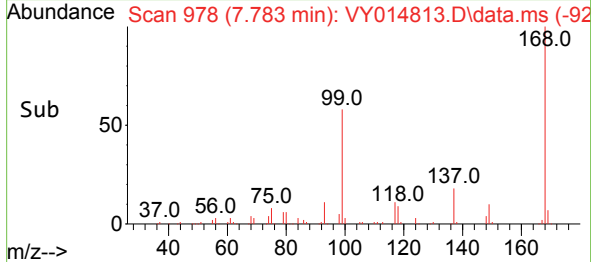
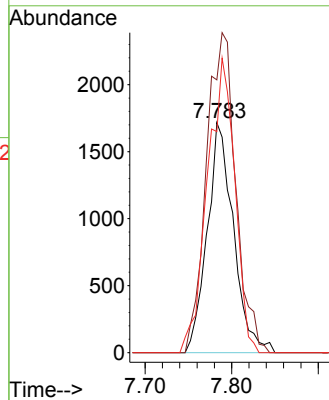
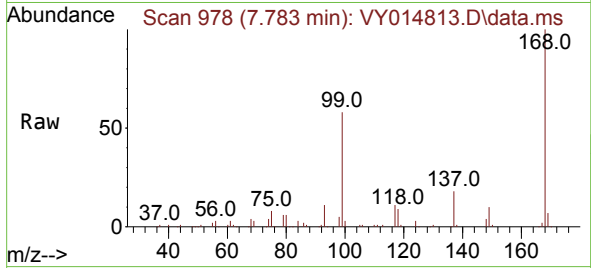




#31
Cyclohexane
Concen: 1.213 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014813.D
Acq: 25 Jul 2023 19:42

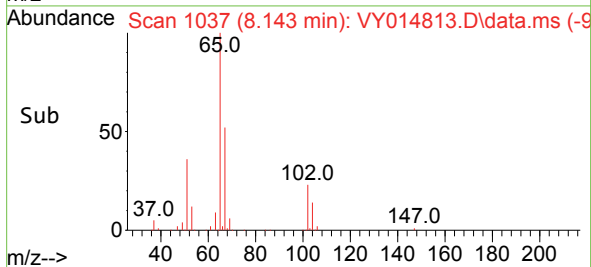
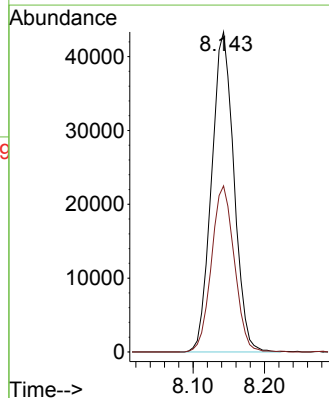
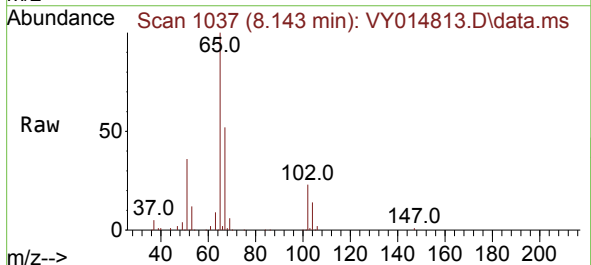
Instrument :
MSVOA_Y
ClientSampleId :
80002

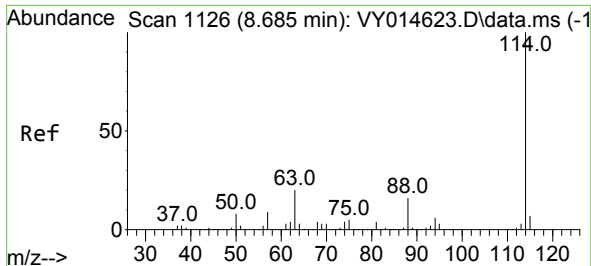
Tgt Ion: 56 Resp: 3617
Ion Ratio Lower Upper
56 100
69 118.6 27.8 41.6#
84 96.1 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 52.332 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY014813.D
Acq: 25 Jul 2023 19:42

Tgt Ion: 65 Resp: 94024
Ion Ratio Lower Upper
65 100
67 53.2 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014813.D

Acq: 25 Jul 2023 19:42

Instrument :

MSVOA_Y

ClientSampleId :

80002

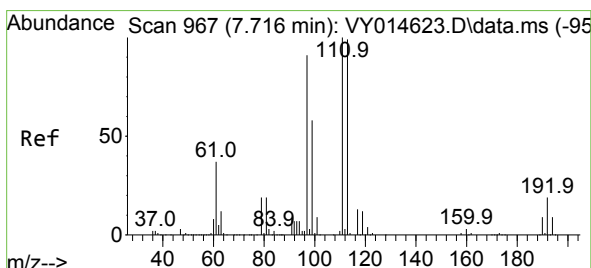
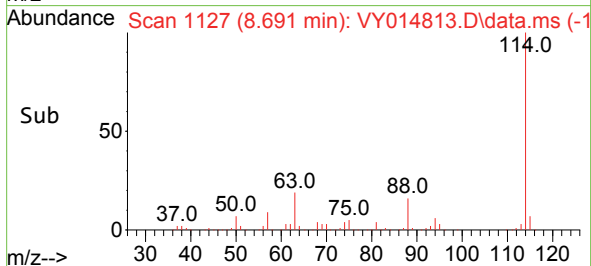
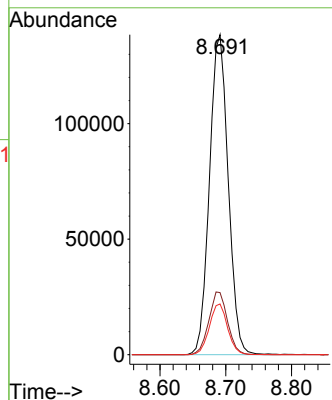
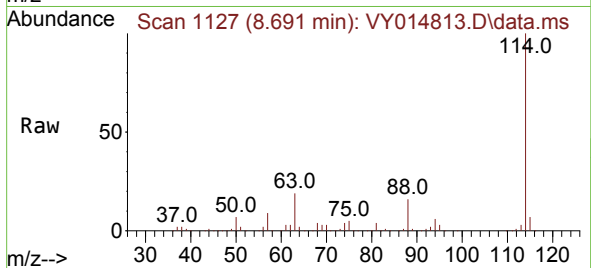
Tgt Ion:114 Resp: 274394

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

88 15.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.927 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014813.D

Acq: 25 Jul 2023 19:42

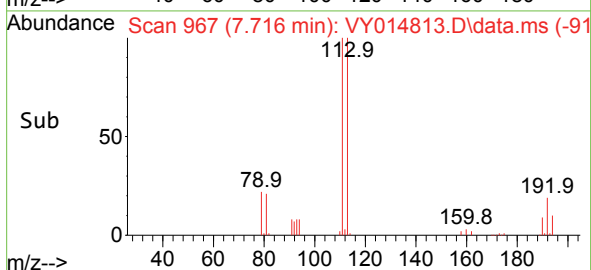
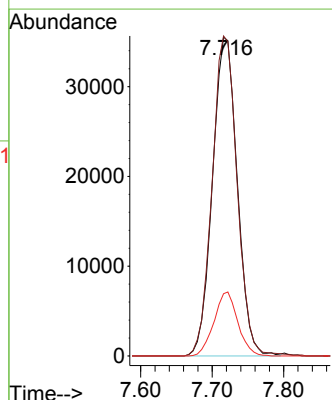
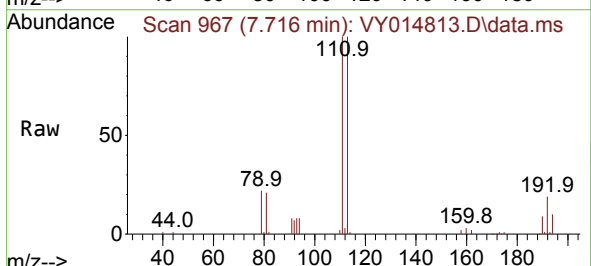
Tgt Ion:113 Resp: 85462

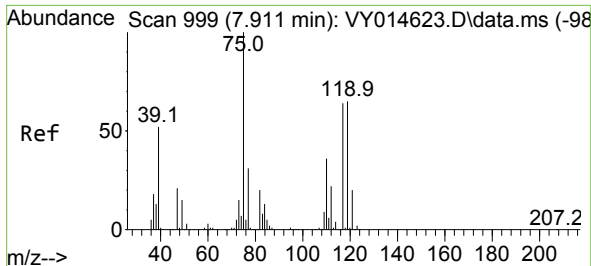
Ion Ratio Lower Upper

113 100

111 101.4 81.3 121.9

192 19.3 16.9 25.3

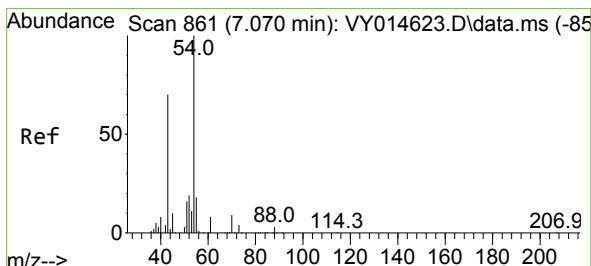
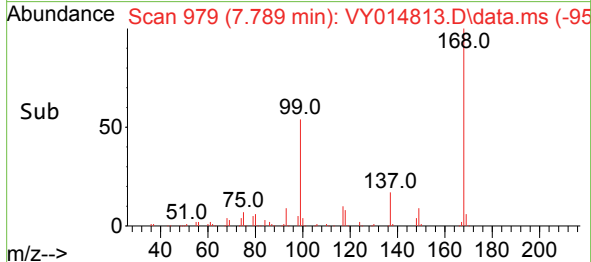
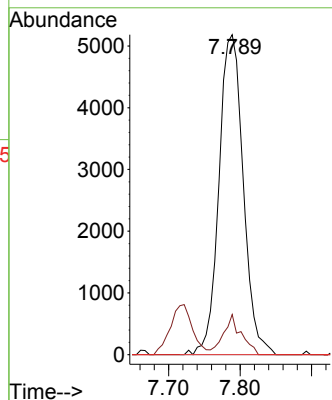
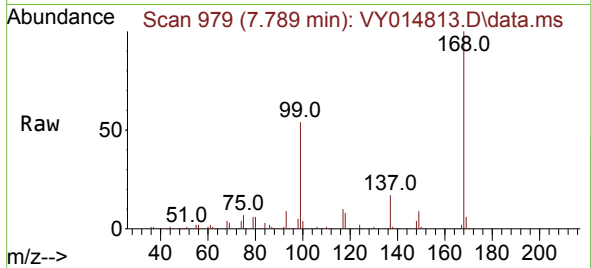




#36
1,1-Dichloropropene
Concen: 4.681 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY014813.D
Acq: 25 Jul 2023 19:42

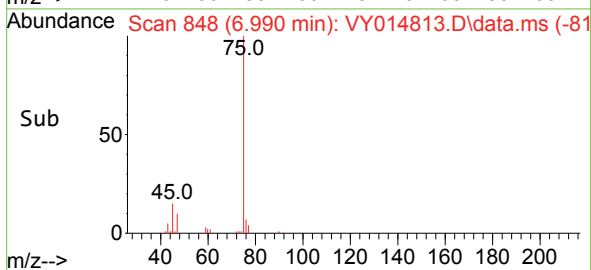
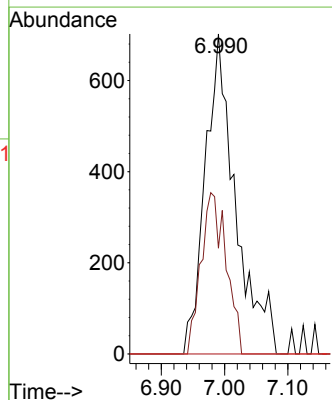
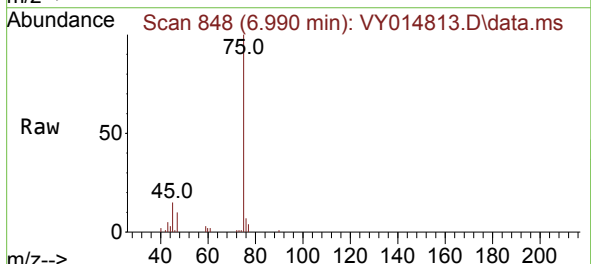
Instrument :
MSVOA_Y
ClientSampleId :
80002

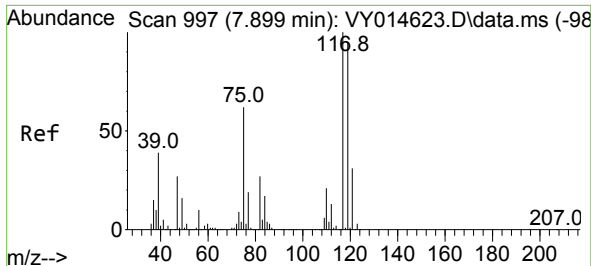
Tgt Ion: 75 Resp: 12227
Ion Ratio Lower Upper
75 100
110 9.1 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.303 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.080 min
Lab File: VY014813.D
Acq: 25 Jul 2023 19:42

Tgt Ion: 43 Resp: 2343
Ion Ratio Lower Upper
43 100
61 41.7 10.1 15.1#
70 0.0 7.1 10.7#

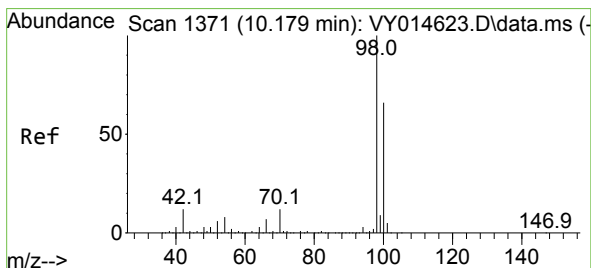
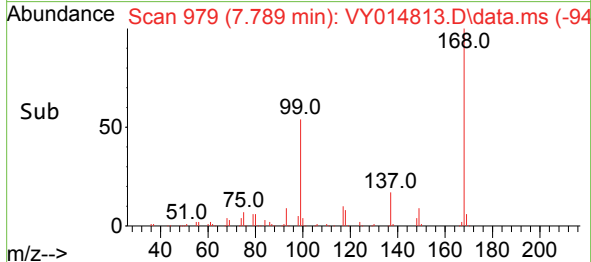
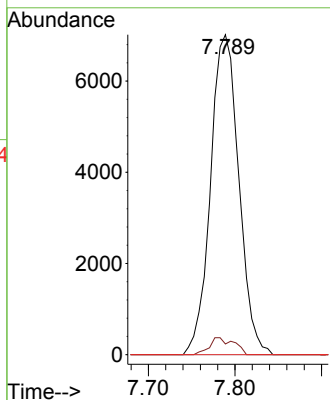
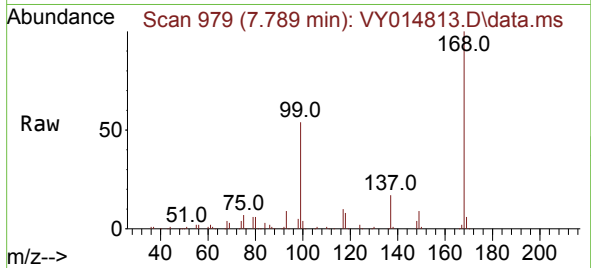




#38
Carbon Tetrachloride
Concen: 5.773 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY014813.D
Acq: 25 Jul 2023 19:42

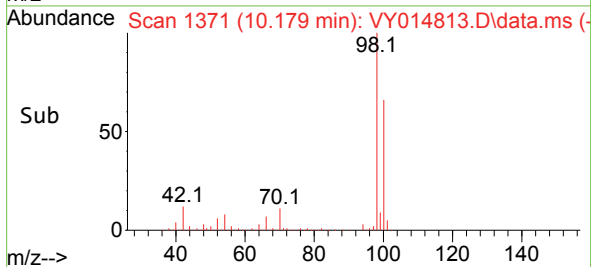
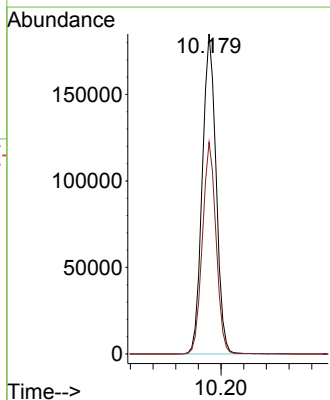
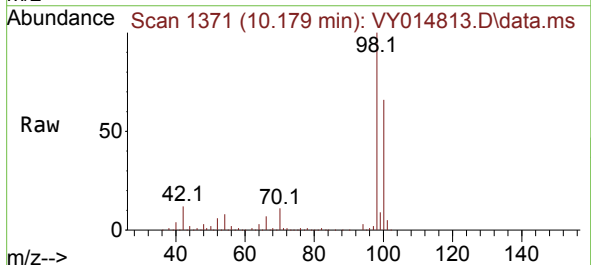
Instrument :
MSVOA_Y
ClientSampleId :
80002

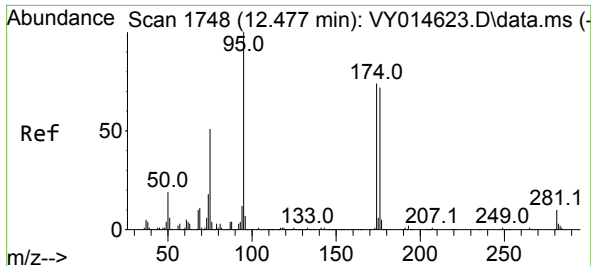
Tgt Ion:117 Resp: 15940
Ion Ratio Lower Upper
117 100
119 3.3 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 48.448 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014813.D
Acq: 25 Jul 2023 19:42

Tgt Ion: 98 Resp: 311998
Ion Ratio Lower Upper
98 100
100 65.5 50.1 75.1

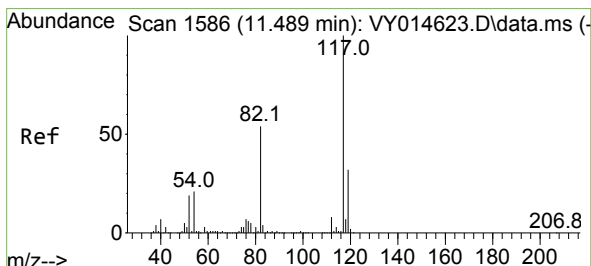
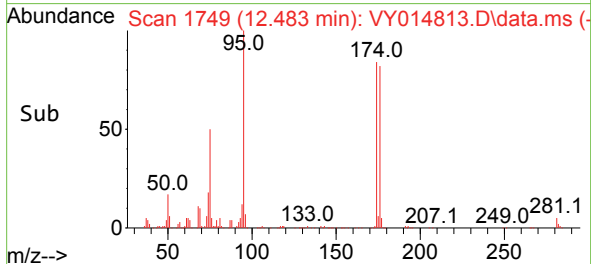
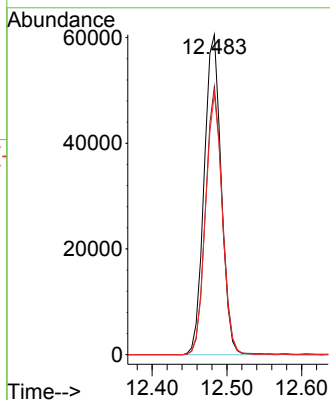
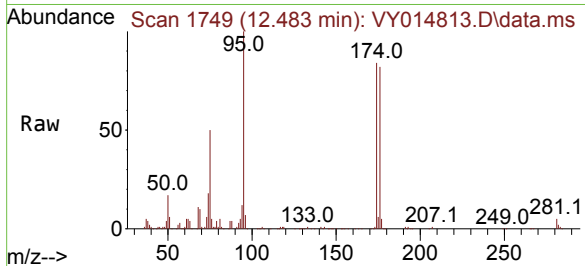




#62
4-Bromofluorobenzene
Concen: 38.805 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY014813.D
Acq: 25 Jul 2023 19:42

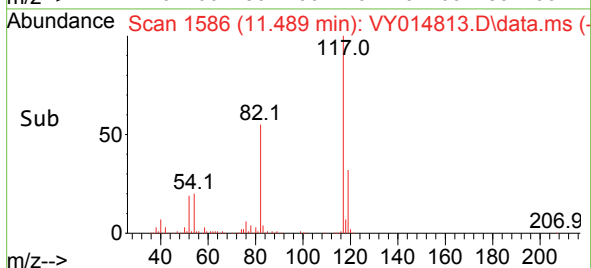
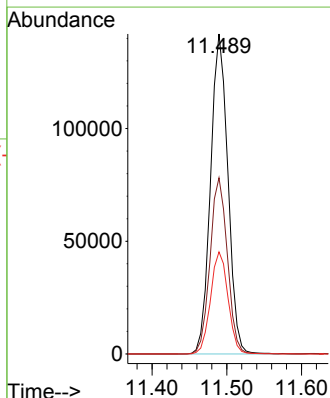
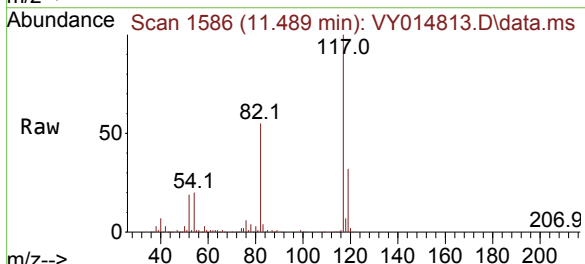
Instrument :
MSVOA_Y
ClientSampleId :
80002

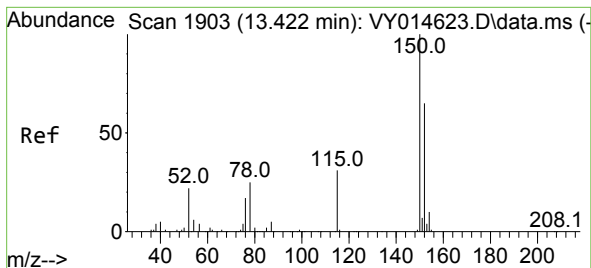
Tgt Ion: 95 Resp: 95819
Ion Ratio Lower Upper
95 100
174 82.1 0.0 178.2
176 80.2 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014813.D
Acq: 25 Jul 2023 19:42

Tgt Ion: 117 Resp: 228682
Ion Ratio Lower Upper
117 100
82 55.0 43.4 65.0
119 31.9 26.3 39.5

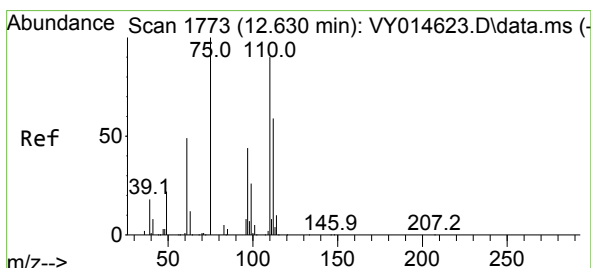
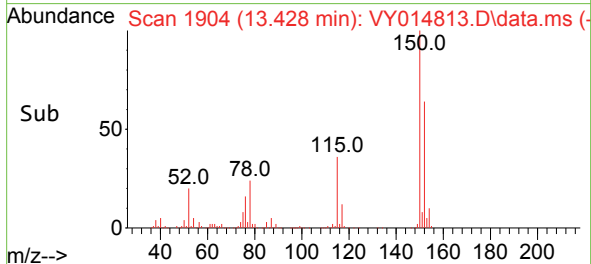
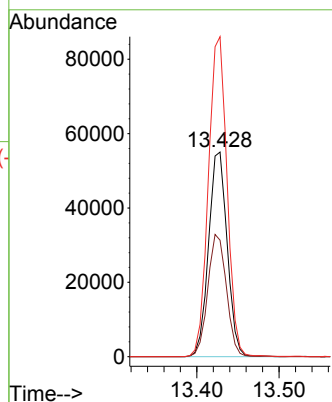
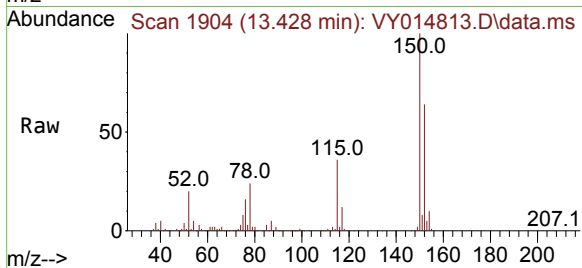




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY014813.D
 Acq: 25 Jul 2023 19:42

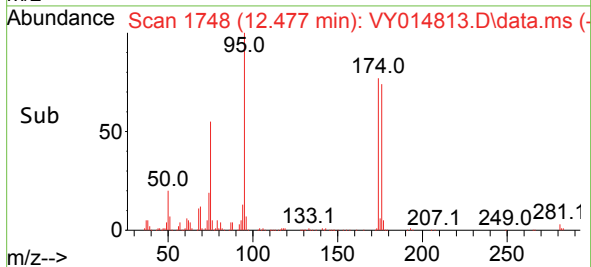
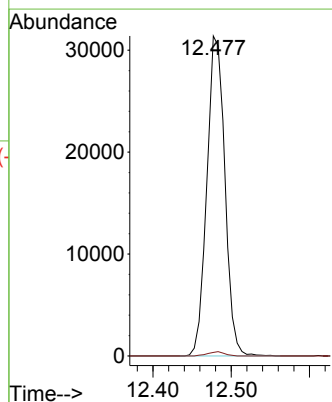
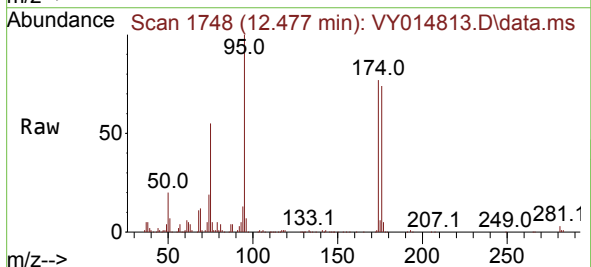
Instrument :
 MSVOA_Y
 ClientSampleId :
 80002

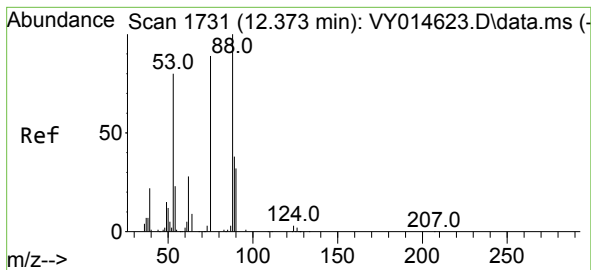
Tgt Ion:152 Resp: 86730
 Ion Ratio Lower Upper
 152 100
 115 59.8 28.8 86.5
 150 156.5 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 45.749 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY014813.D
 Acq: 25 Jul 2023 19:42

Tgt Ion: 75 Resp: 50112
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.578 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014813.D
 Acq: 25 Jul 2023 19:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 80002

Tgt Ion: 75 Resp: 50112
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

