

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091423\
 Data File : VY015544.D
 Acq On : 14 Sep 2023 19:25
 Operator : SY/MD
 Sample : 04397-07
 Misc : 3.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 15 04:05:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

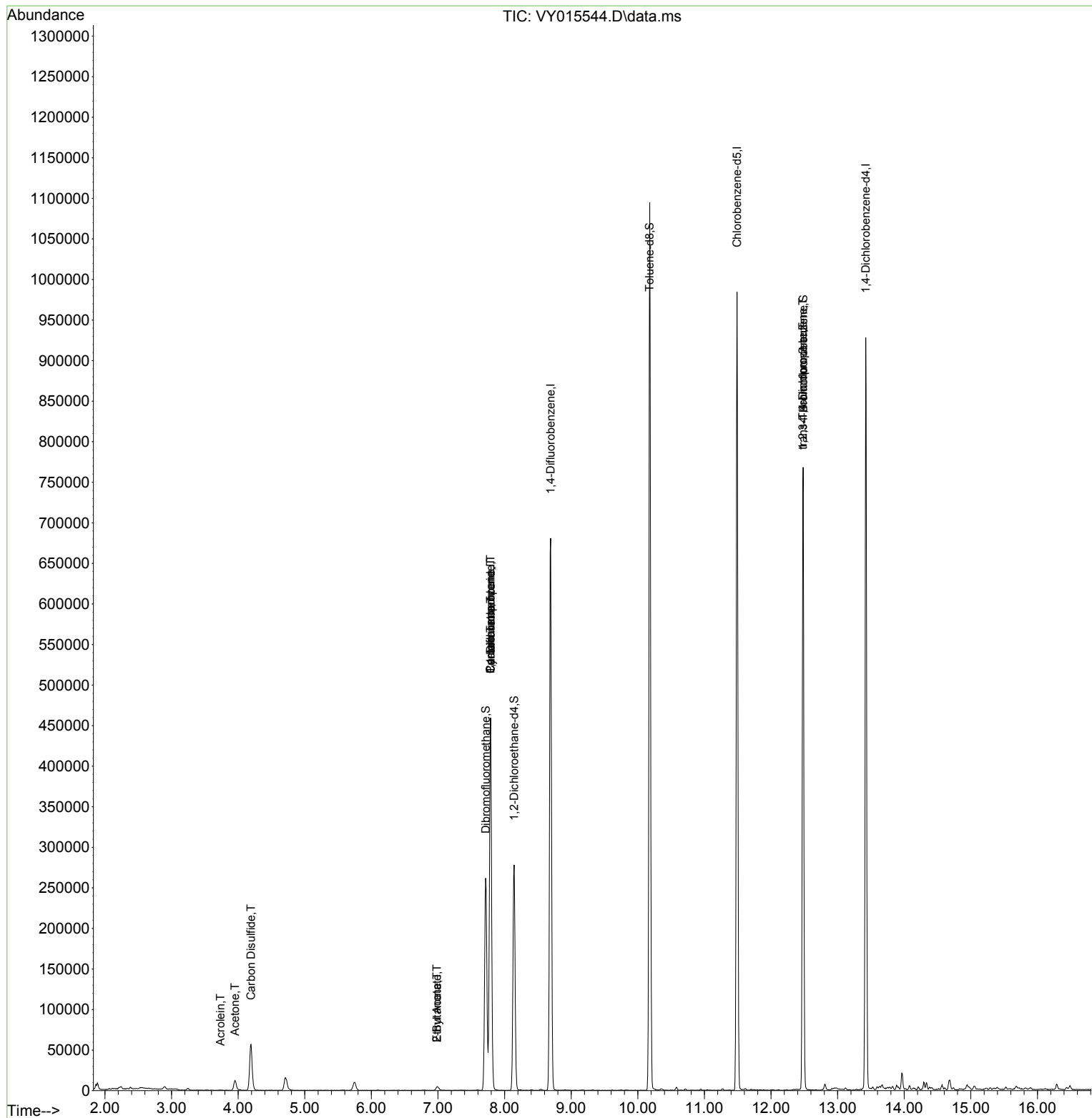
Internal Standards						
1) Pentafluorobenzene	7.789	168	358573	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	594328	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	528808	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	234267	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	219707	57.158	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.320%			
35) Dibromofluoromethane	7.716	113	184164	53.799	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.600%			
50) Toluene-d8	10.179	98	695416	56.097	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 112.200%			
62) 4-Bromofluorobenzene	12.483	95	230681	50.125	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.260%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.948	59	26	Below Cal	#	89
13) Acrolein	3.735	56	439	12.038	ug/l	91
16) Acetone	3.954	43	21998	13.711	ug/l #	89
17) Carbon Disulfide	4.192	76	115691	10.857	ug/l	99
20) Methylene Chloride	4.710	84	12057	Below Cal		85
25) 2-Butanone	6.984	43	7296	3.206	ug/l	96
31) Cyclohexane	7.789	56	7574	1.109	ug/l #	2
36) 1,1-Dichloropropene	7.789	75	26651	4.434	ug/l #	50
37) Ethyl Acetate	6.984	43	7296	1.574	ug/l #	71
38) Carbon Tetrachloride	7.789	117	35625	5.739	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	123868	39.872	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	123868	87.954	ug/l #	10

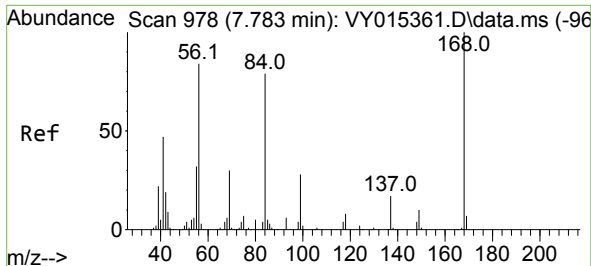
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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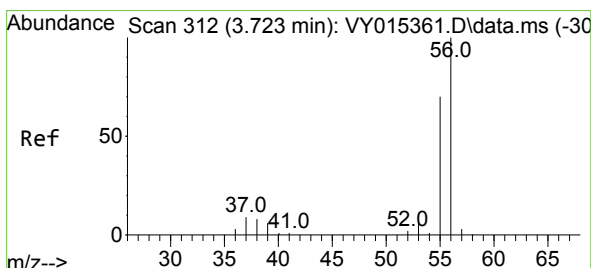
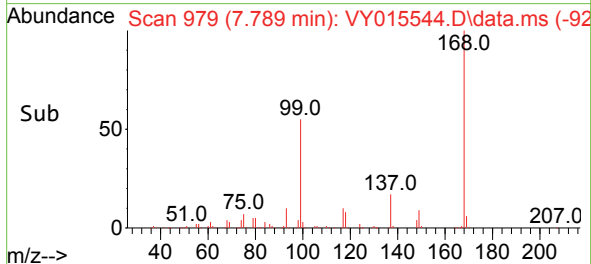
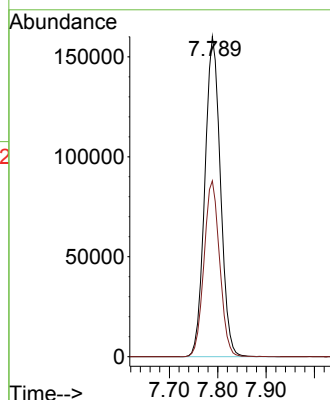
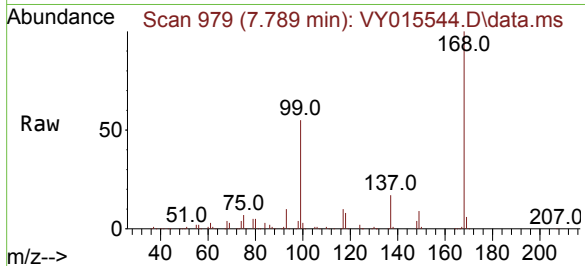




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015544.D
Acq: 14 Sep 2023 19:25

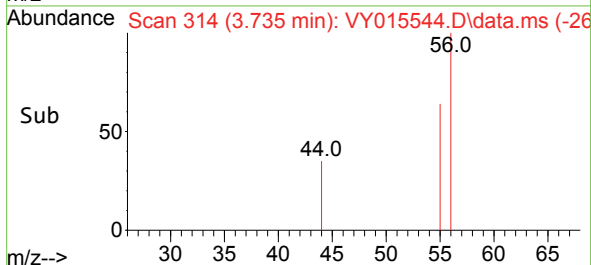
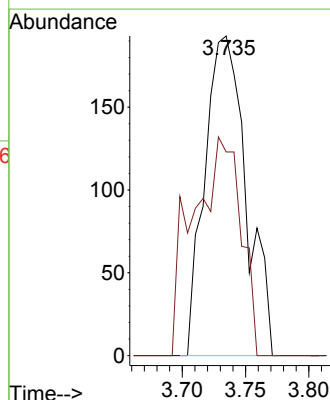
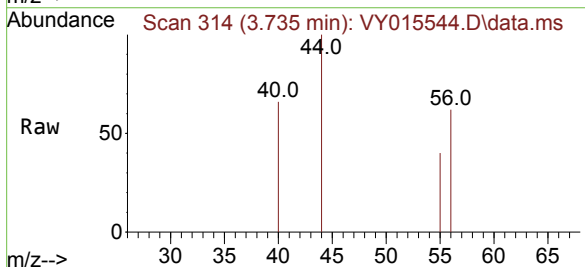
Instrument :
MSVOA_Y
ClientSampleId :

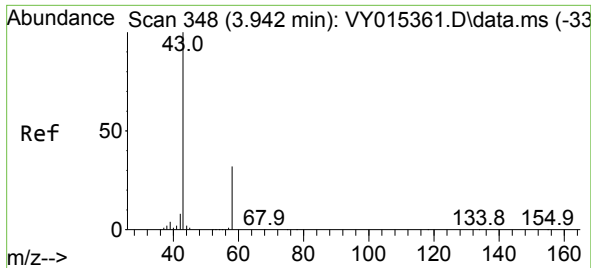
Tgt Ion:168 Resp: 358573
Ion Ratio Lower Upper
168 100
99 54.9 43.4 65.0



#13
Acrolein
Concen: 12.038 ug/l
RT: 3.735 min Scan# 314
Delta R.T. 0.012 min
Lab File: VY015544.D
Acq: 14 Sep 2023 19:25

Tgt Ion: 56 Resp: 439
Ion Ratio Lower Upper
56 100
55 79.0 57.0 85.4





#16

Acetone

Concen: 13.711 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY015544.D

Acq: 14 Sep 2023 19:25

Instrument :

MSVOA_Y

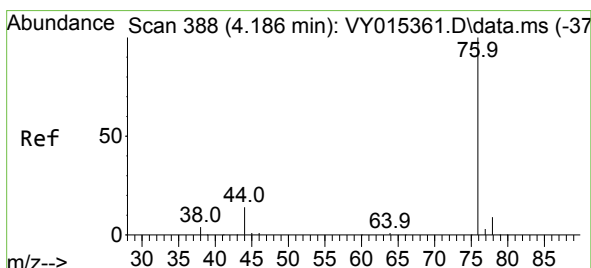
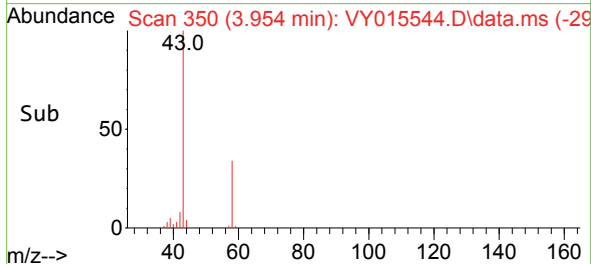
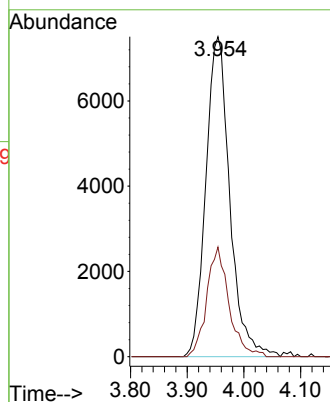
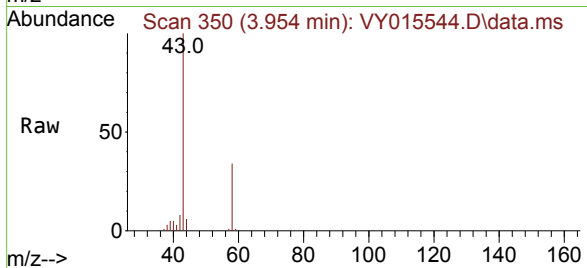
ClientSampleId :

Tgt Ion: 43 Resp: 21998

Ion Ratio Lower Upper

43 100

58 34.2 22.7 34.1#



#17

Carbon Disulfide

Concen: 10.857 ug/l

RT: 4.192 min Scan# 389

Delta R.T. 0.006 min

Lab File: VY015544.D

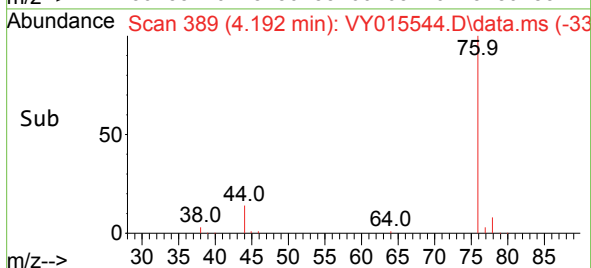
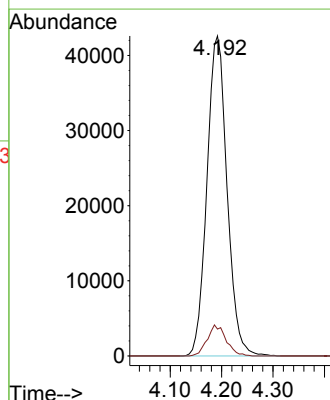
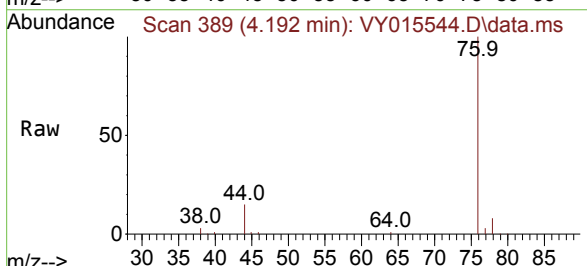
Acq: 14 Sep 2023 19:25

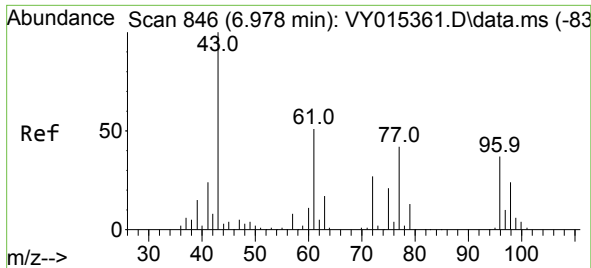
Tgt Ion: 76 Resp: 115691

Ion Ratio Lower Upper

76 100

78 8.4 7.0 10.4

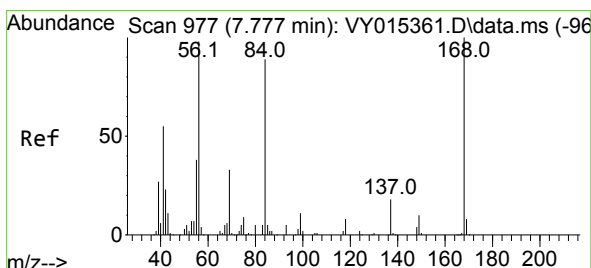
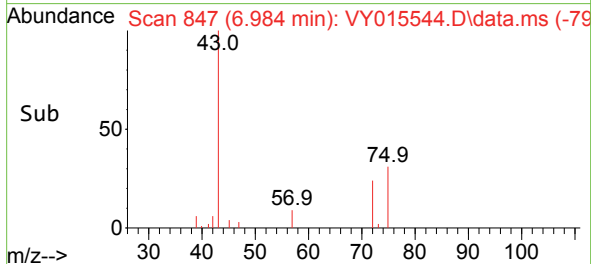
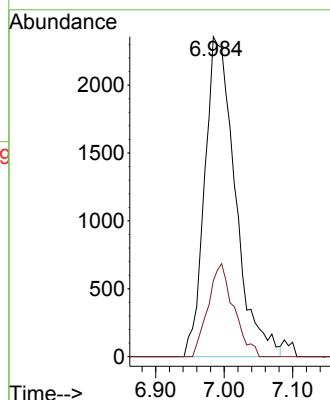
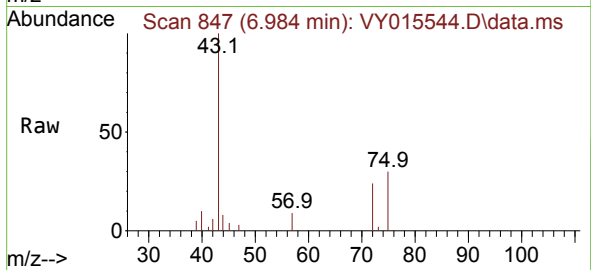




#25
2-Butanone
Concen: 3.206 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY015544.D
Acq: 14 Sep 2023 19:25

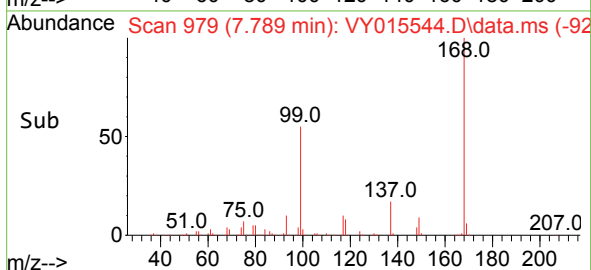
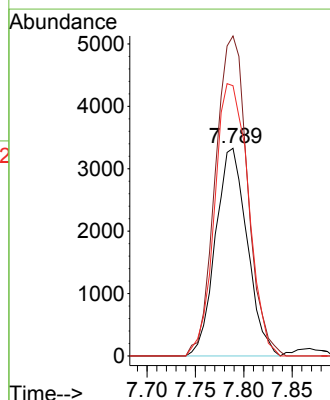
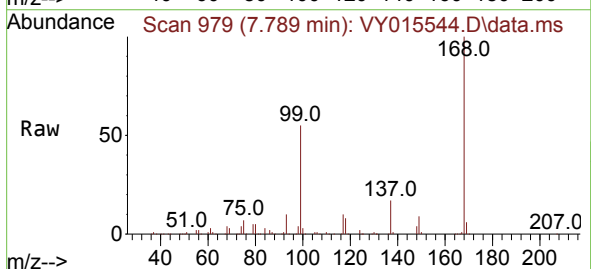
Instrument :
MSVOA_Y
ClientSampleId :

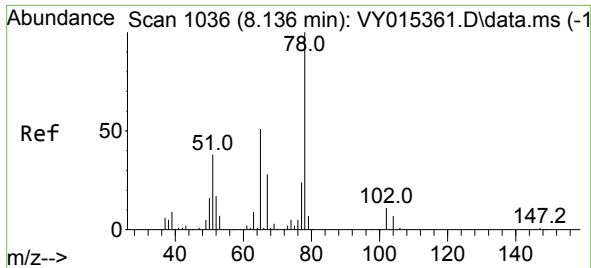
Tgt Ion: 43 Resp: 7296
Ion Ratio Lower Upper
43 100
72 23.8 20.5 30.7



#31
Cyclohexane
Concen: 1.109 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY015544.D
Acq: 14 Sep 2023 19:25

Tgt Ion: 56 Resp: 7574
Ion Ratio Lower Upper
56 100
69 154.1 27.8 41.6#
84 130.1 66.4 99.6#

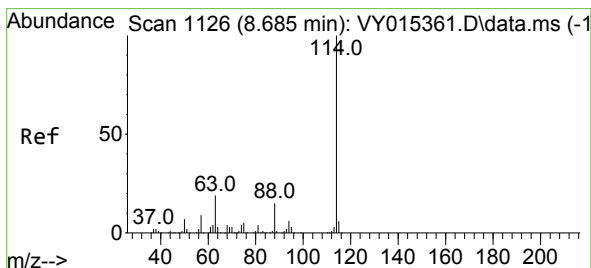
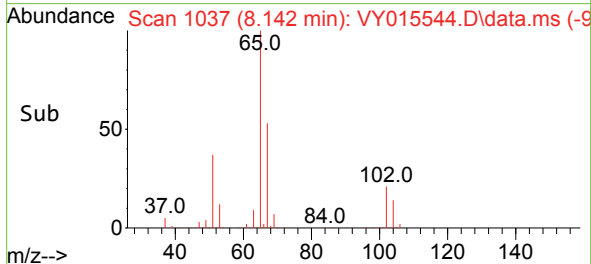
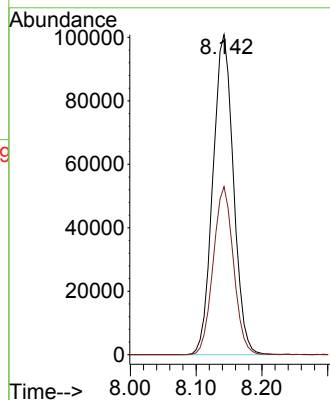
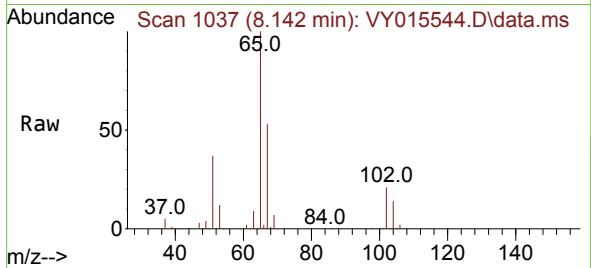




#33
1,2-Dichloroethane-d4
Concen: 57.158 ug/l
RT: 8.142 min Scan# 110
Delta R.T. 0.006 min
Lab File: VY015544.D
Acq: 14 Sep 2023 19:25

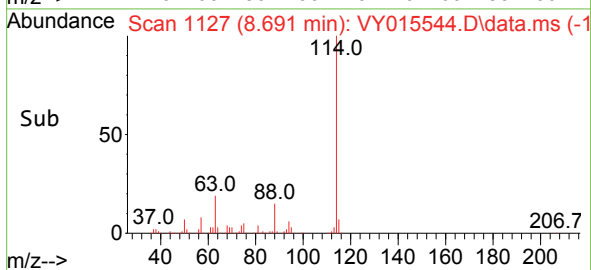
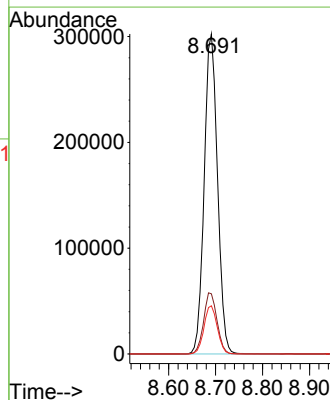
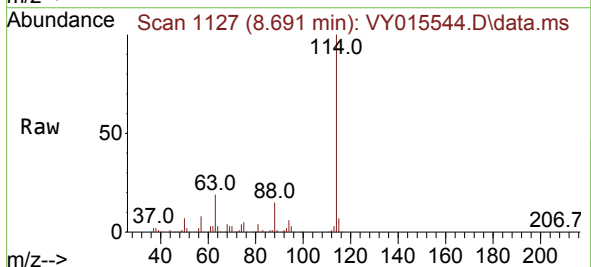
Instrument :
MSVOA_Y
ClientSampleId :

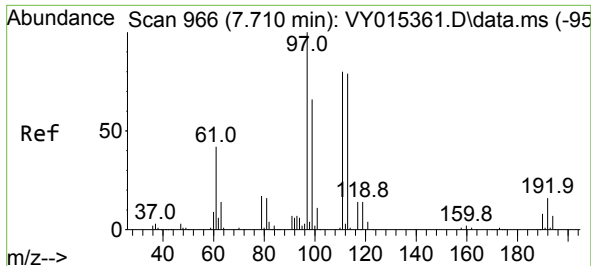
Tgt Ion: 65 Resp: 219707
Ion Ratio Lower Upper
65 100
67 51.9 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY015544.D
Acq: 14 Sep 2023 19:25

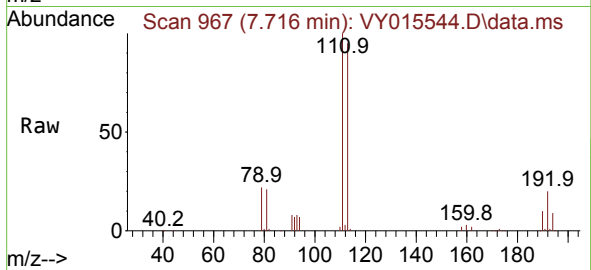
Tgt Ion: 114 Resp: 594328
Ion Ratio Lower Upper
114 100
63 18.8 0.0 42.4
88 15.1 0.0 30.6



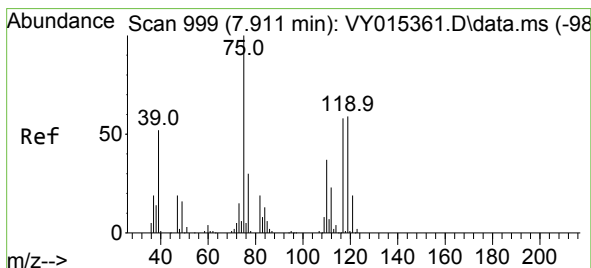
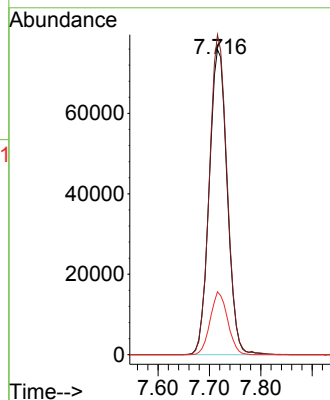
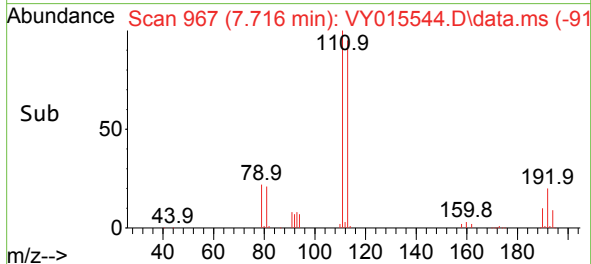


#35
Dibromofluoromethane
Concen: 53.799 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY015544.D
Acq: 14 Sep 2023 19:25

Instrument :
MSVOA_Y
ClientSampleId :

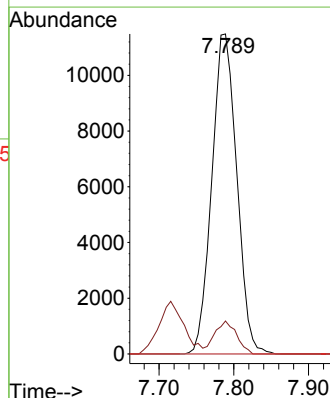
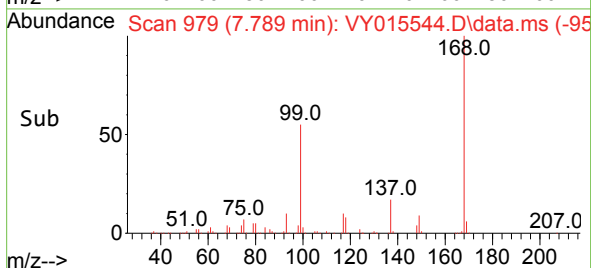
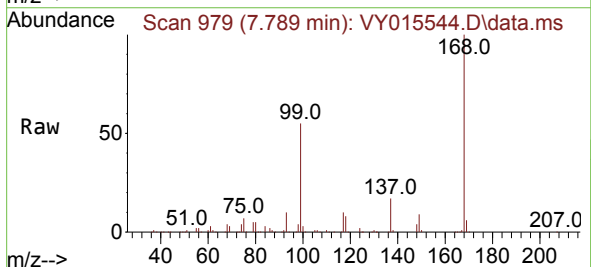


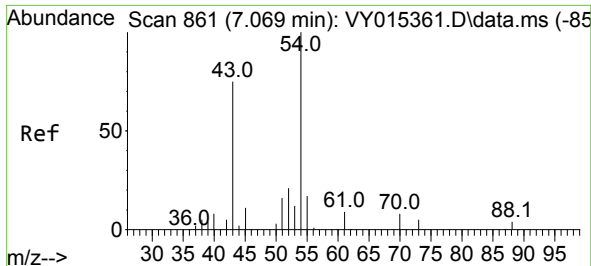
Tgt Ion:113 Resp: 184164
Ion Ratio Lower Upper
113 100
111 103.2 81.3 121.9
192 19.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.434 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY015544.D
Acq: 14 Sep 2023 19:25

Tgt Ion: 75 Resp: 26651
Ion Ratio Lower Upper
75 100
110 9.1 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.574 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.079 min

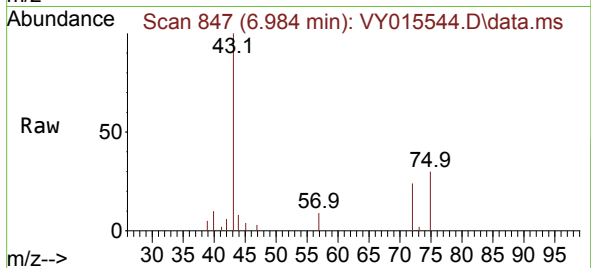
Lab File: VY015544.D

Acq: 14 Sep 2023 19:25

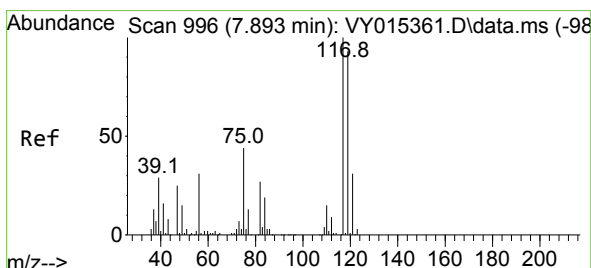
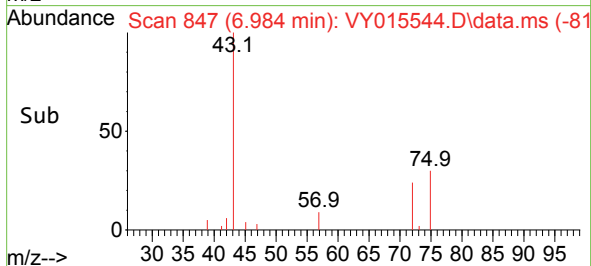
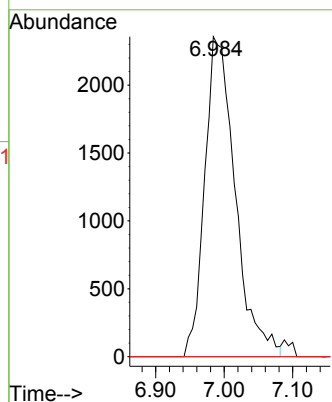
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	7296
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.1	15.1#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 5.739 ug/l

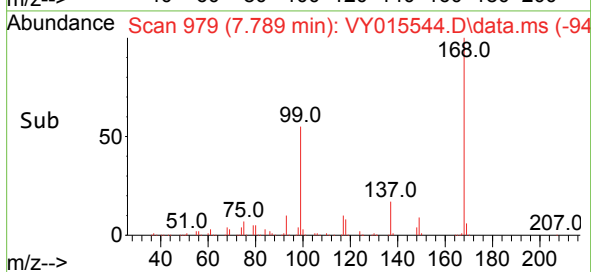
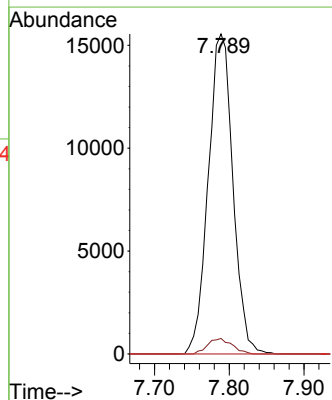
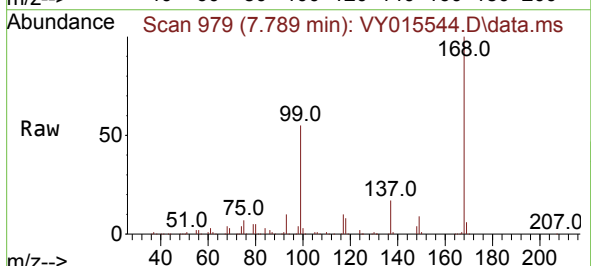
RT: 7.789 min Scan# 979

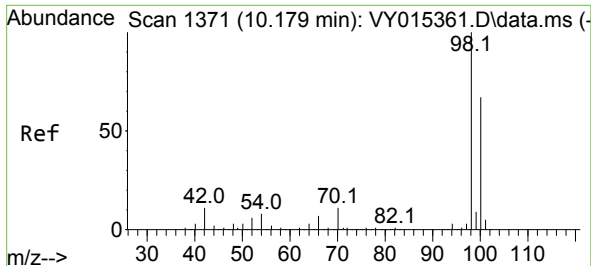
Delta R.T. -0.104 min

Lab File: VY015544.D

Acq: 14 Sep 2023 19:25

Tgt Ion:	117	Resp:	35625
Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.4	114.6#
121	0.0	25.8	38.6#

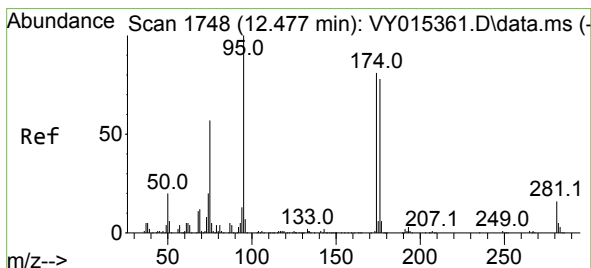
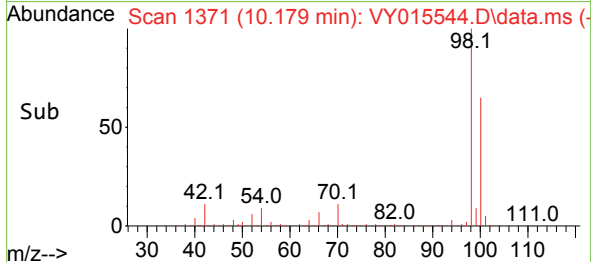
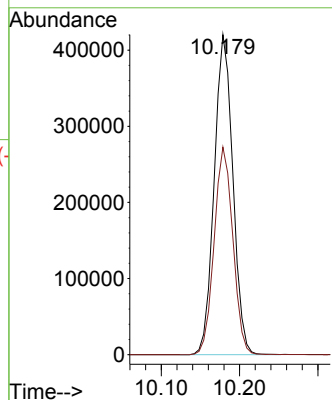
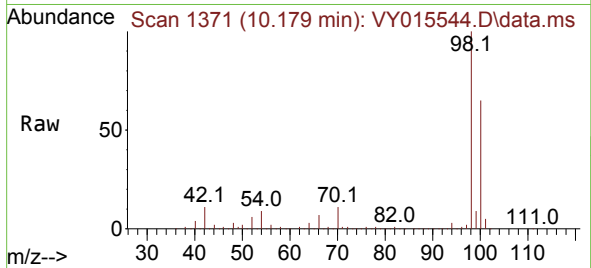




#50
Toluene-d8
Concen: 56.097 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015544.D
Acq: 14 Sep 2023 19:25

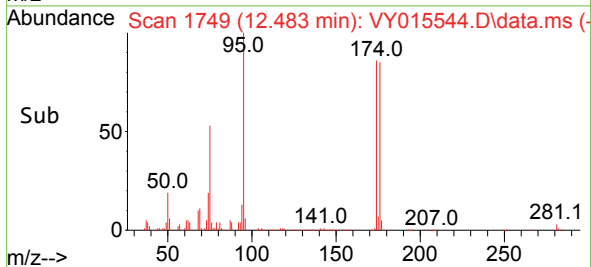
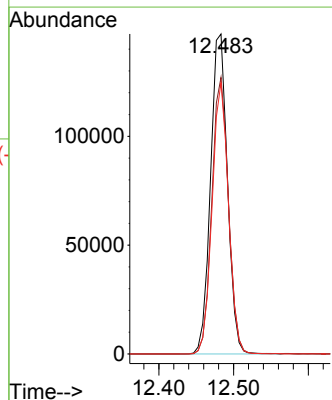
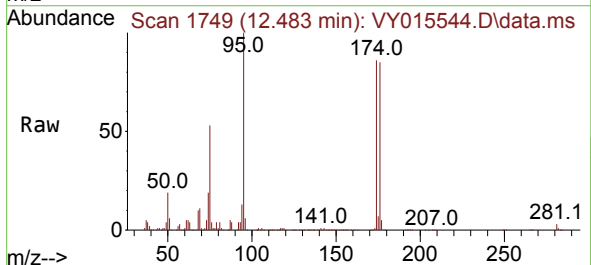
Instrument :
MSVOA_Y
ClientSampleId :

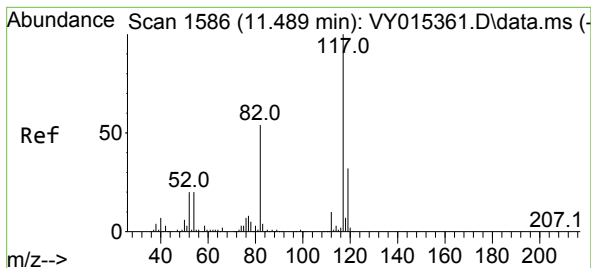
Tgt Ion: 98 Resp: 695416
Ion Ratio Lower Upper
98 100
100 65.2 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 50.125 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015544.D
Acq: 14 Sep 2023 19:25

Tgt Ion: 95 Resp: 230681
Ion Ratio Lower Upper
95 100
174 85.1 0.0 178.2
176 82.1 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

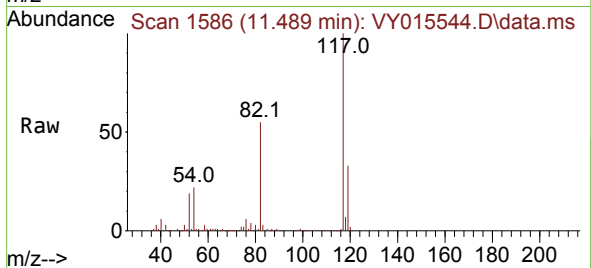
Lab File: VY015544.D

Acq: 14 Sep 2023 19:25

Instrument :

MSVOA_Y

ClientSampleId :



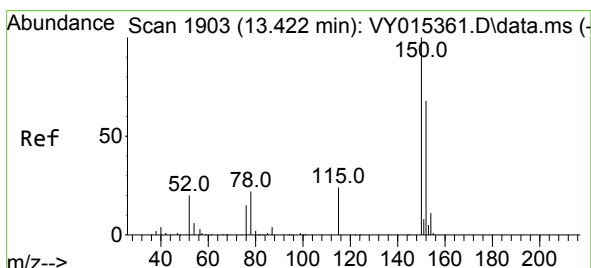
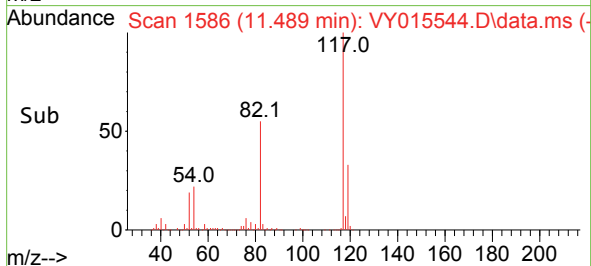
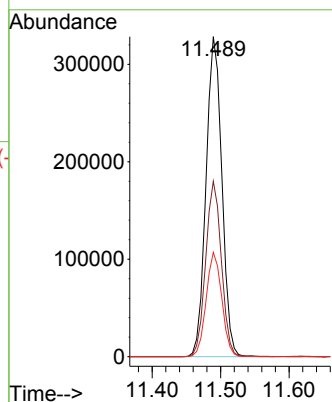
Tgt Ion:117 Resp: 528808

Ion Ratio Lower Upper

117 100

82 54.9 43.4 65.0

119 32.6 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY015544.D

Acq: 14 Sep 2023 19:25

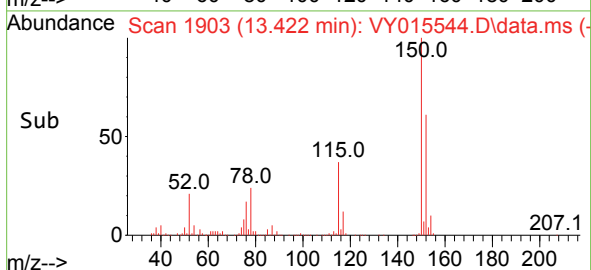
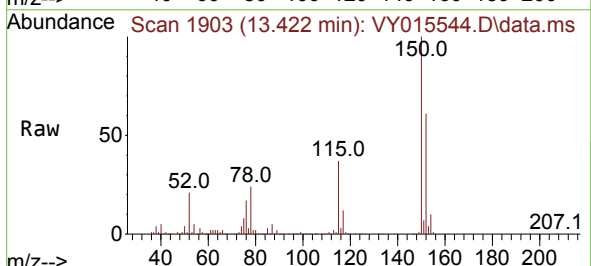
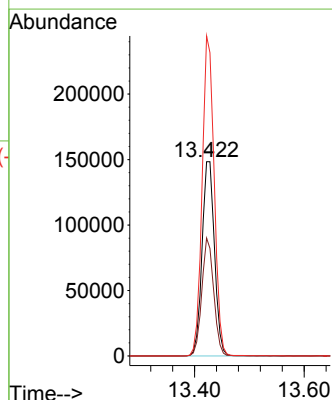
Tgt Ion:152 Resp: 234267

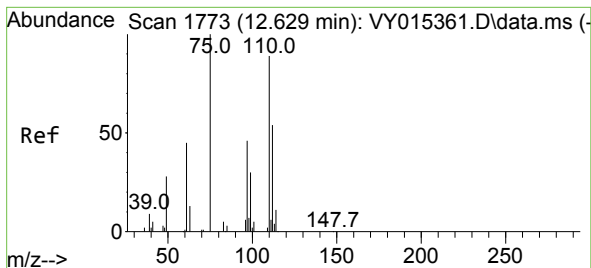
Ion Ratio Lower Upper

152 100

115 57.9 28.8 86.5

150 158.6 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 39.872 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015544.D

Acq: 14 Sep 2023 19:25

Instrument :

MSVOA_Y

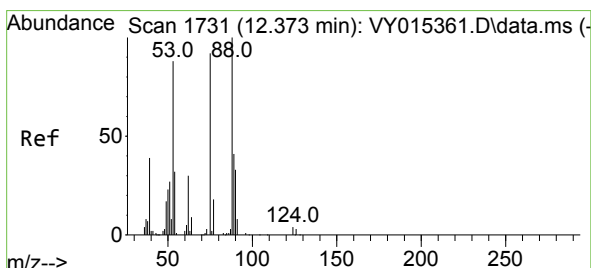
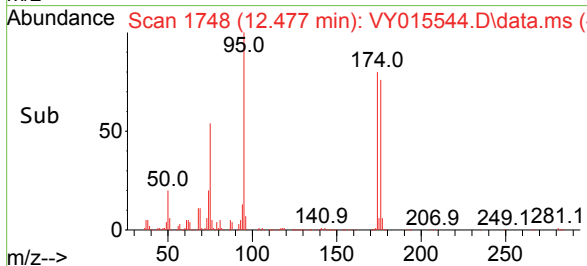
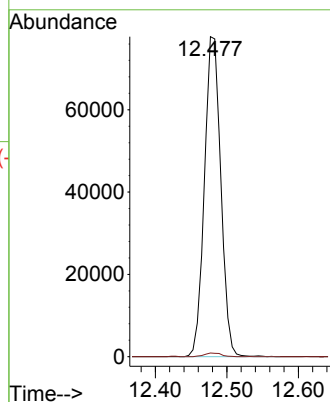
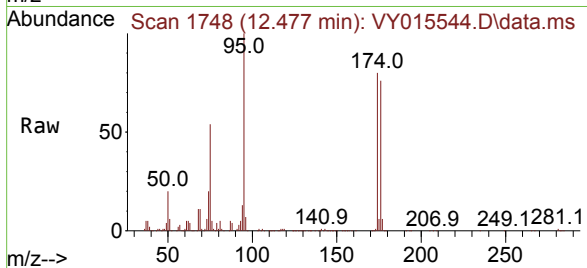
ClientSampleId :

Tgt Ion: 75 Resp: 123868

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 87.954 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.097 min

Lab File: VY015544.D

Acq: 14 Sep 2023 19:25

Tgt Ion: 75 Resp: 123868

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.0 37.4 56.0#

