

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091423\
 Data File : VY015545.D
 Acq On : 14 Sep 2023 19:49
 Operator : SY/MD
 Sample : 04397-05
 Misc : 4.65g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 15 04:05:43 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)

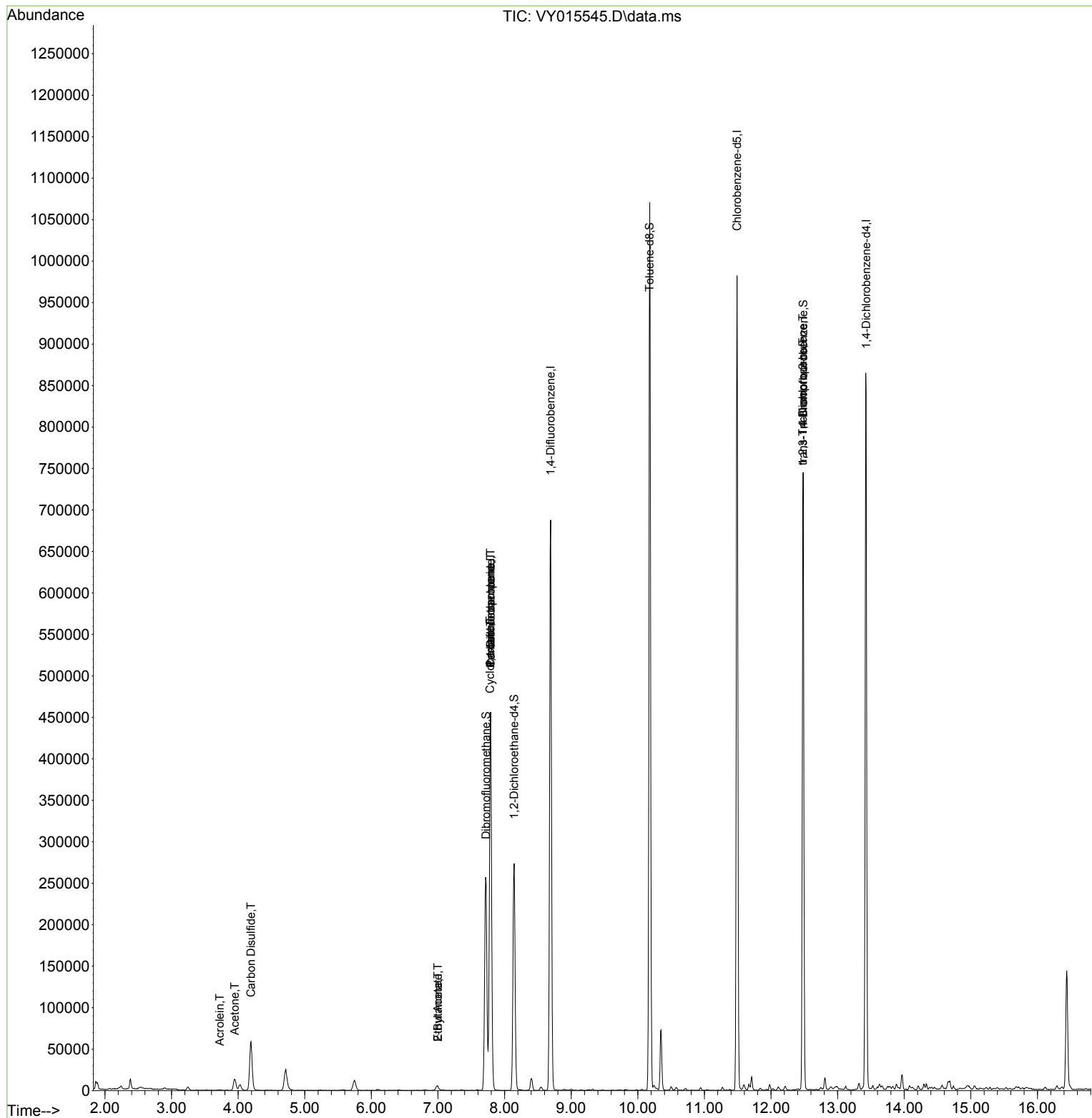
Internal Standards						
1) Pentafluorobenzene	7.789	168	355361	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	590824	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	521203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	219494	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	215860	56.665	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.320%
35) Dibromofluoromethane	7.722	113	181866	53.442	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.880%
50) Toluene-d8	10.179	98	685477	55.623	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	111.240%
62) 4-Bromofluorobenzene	12.483	95	221451	48.405	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.800%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	251	Below Cal	#	89
13) Acrolein	3.723	56	343	11.955	ug/l #	14
16) Acetone	3.948	43	24630	15.490	ug/l	89
17) Carbon Disulfide	4.192	76	117351	11.112	ug/l	99
20) Methylene Chloride	4.716	84	18562	Below Cal		93
25) 2-Butanone	6.996	43	6770	3.002	ug/l	97
31) Cyclohexane	7.783	56	7246	1.071	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	26451	4.427	ug/l #	51
37) Ethyl Acetate	6.996	43	6770	1.469	ug/l #	71
38) Carbon Tetrachloride	7.789	117	35210	5.705	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	118848	40.831	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	118848	90.069	ug/l #	11

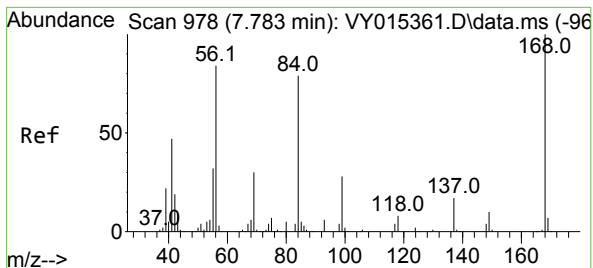
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY015545.D

Acq: 14 Sep 2023 19:49

Instrument :

MSVOA_Y

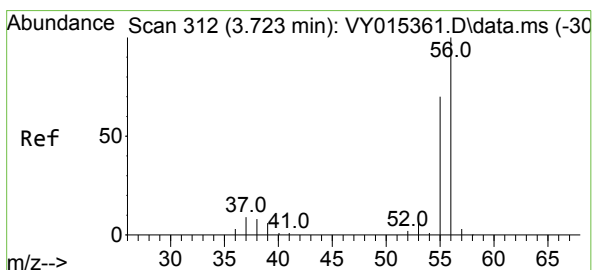
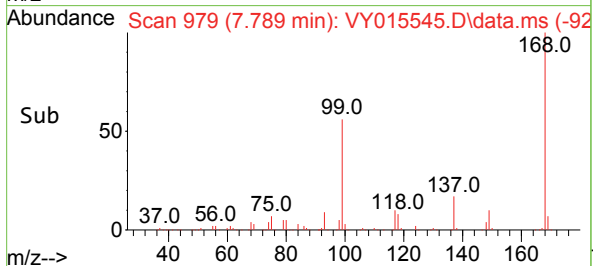
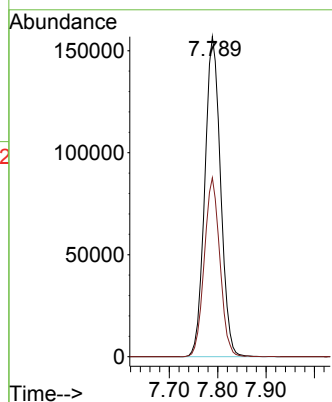
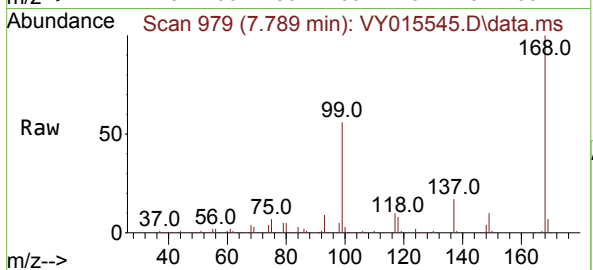
ClientSampleId :

Tgt Ion:168 Resp: 355361

Ion Ratio Lower Upper

168 100

99 55.9 43.4 65.0



#13

Acrolein

Concen: 11.955 ug/l

RT: 3.723 min Scan# 312

Delta R.T. -0.000 min

Lab File: VY015545.D

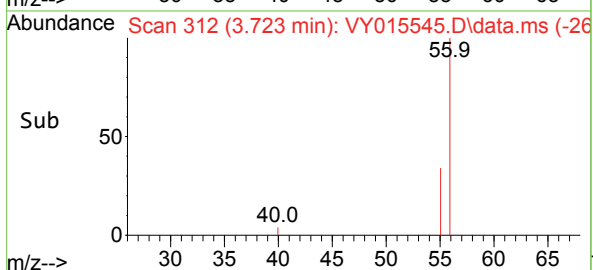
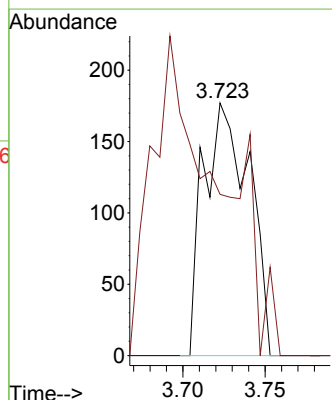
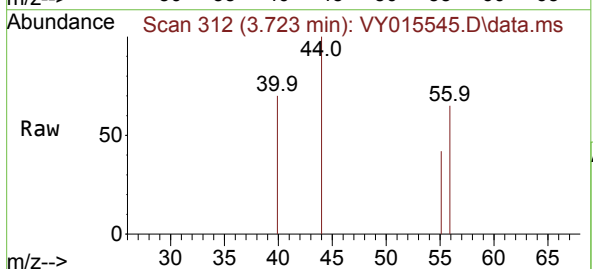
Acq: 14 Sep 2023 19:49

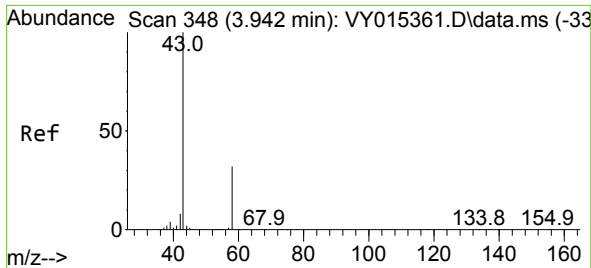
Tgt Ion: 56 Resp: 343

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#





#16

Acetone

Concen: 15.490 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY015545.D

Acq: 14 Sep 2023 19:49

Instrument :

MSVOA_Y

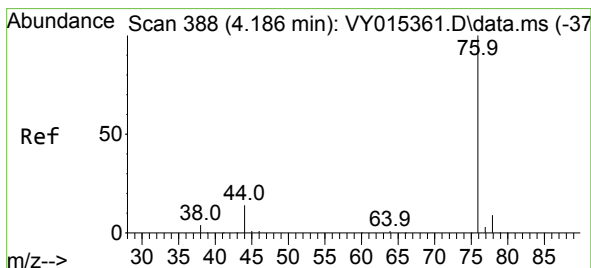
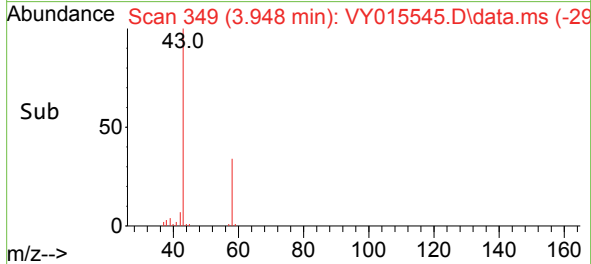
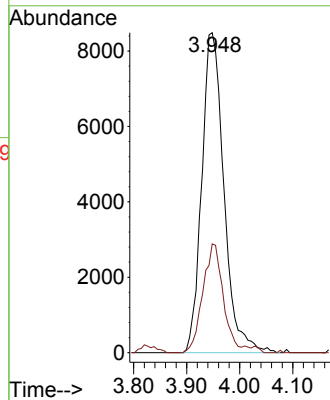
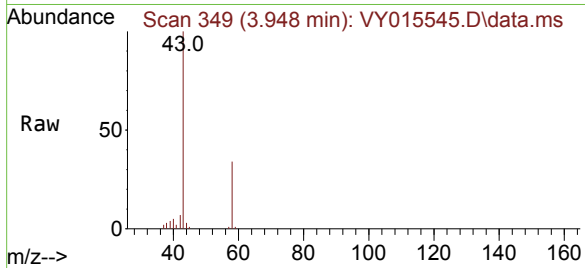
ClientSampleId :

Tgt Ion: 43 Resp: 24630

Ion Ratio Lower Upper

43 100

58 34.0 22.7 34.1



#17

Carbon Disulfide

Concen: 11.112 ug/l

RT: 4.192 min Scan# 389

Delta R.T. 0.006 min

Lab File: VY015545.D

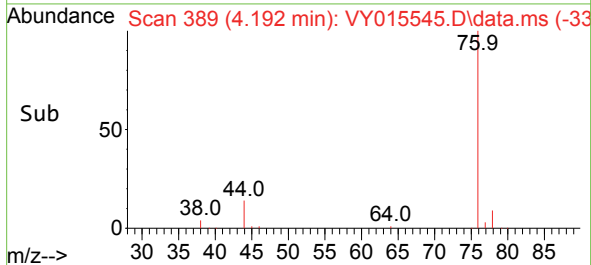
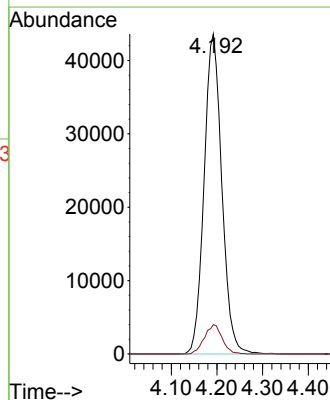
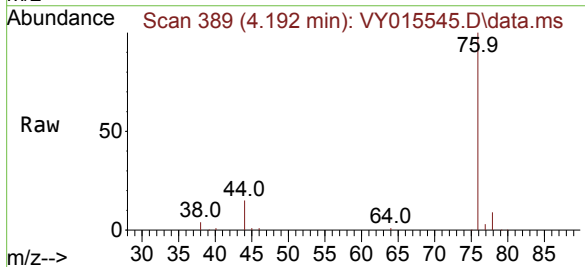
Acq: 14 Sep 2023 19:49

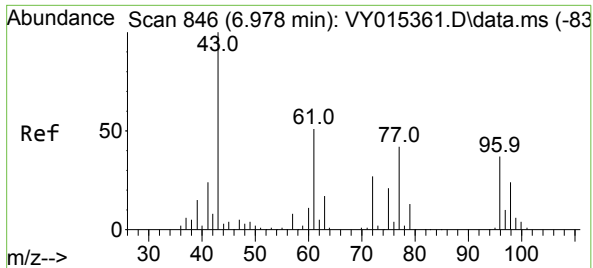
Tgt Ion: 76 Resp: 117351

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.4

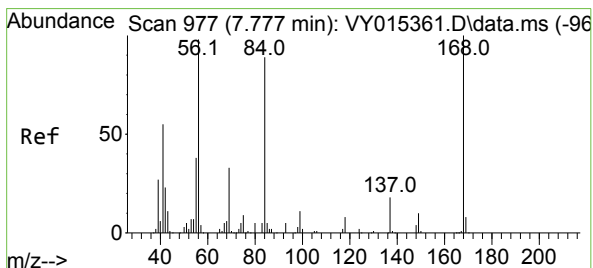
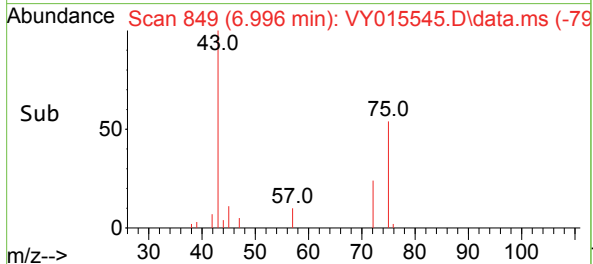
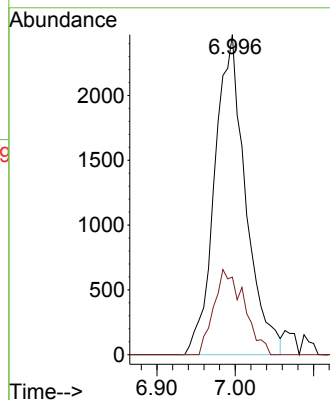
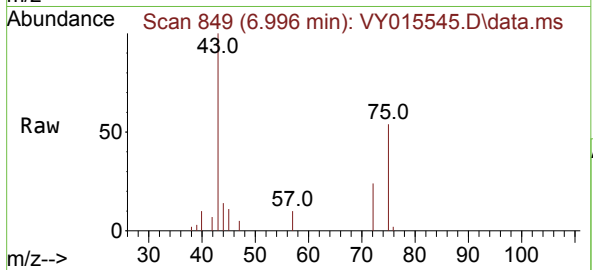




#25
2-Butanone
Concen: 3.002 ug/l
RT: 6.996 min Scan# 846
Delta R.T. 0.018 min
Lab File: VY015545.D
Acq: 14 Sep 2023 19:49

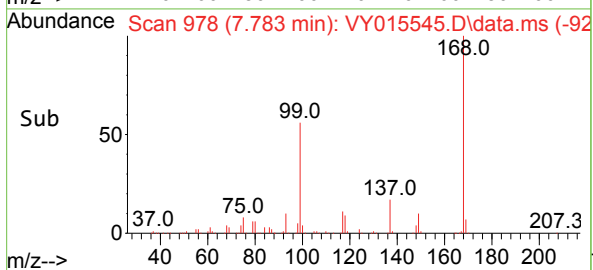
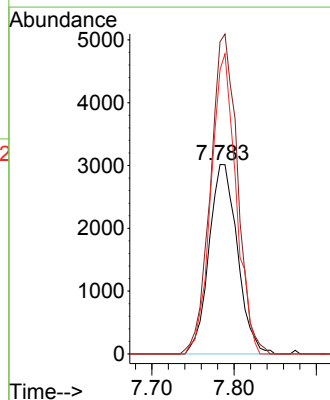
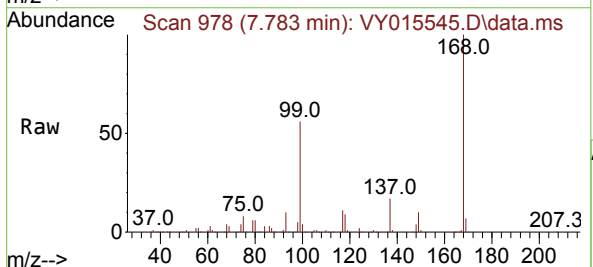
Instrument :
MSVOA_Y
ClientSampleId :

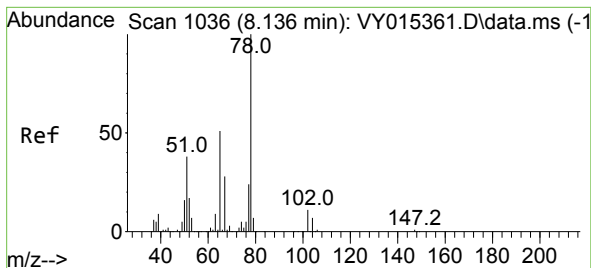
Tgt Ion: 43 Resp: 6770
Ion Ratio Lower Upper
43 100
72 24.3 20.5 30.7



#31
Cyclohexane
Concen: 1.071 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.000 min
Lab File: VY015545.D
Acq: 14 Sep 2023 19:49

Tgt Ion: 56 Resp: 7246
Ion Ratio Lower Upper
56 100
69 164.8 27.8 41.6#
84 150.1 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 56.665 ug/l

RT: 8.143 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY015545.D

Acq: 14 Sep 2023 19:49

Instrument :

MSVOA_Y

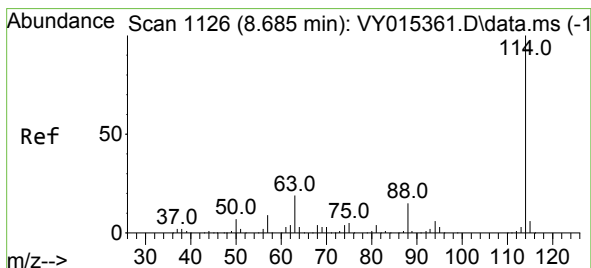
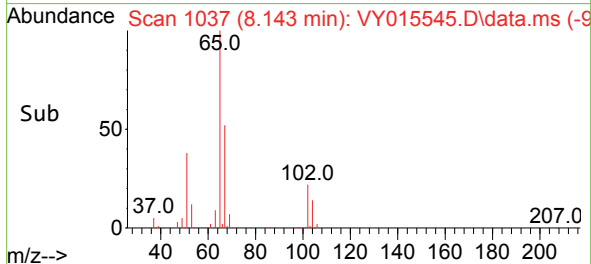
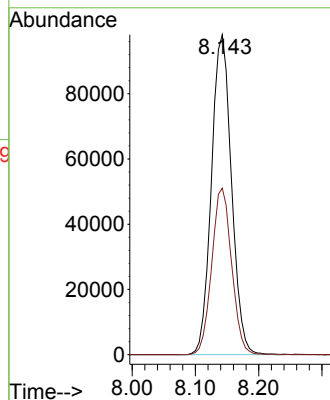
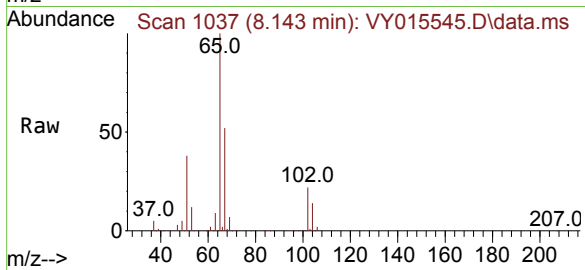
ClientSampleId :

Tgt Ion: 65 Resp: 215860

Ion Ratio Lower Upper

65 100

67 51.6 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: VY015545.D

Acq: 14 Sep 2023 19:49

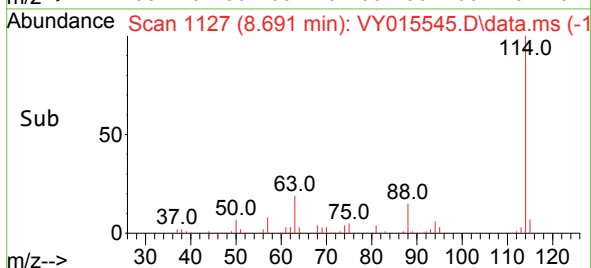
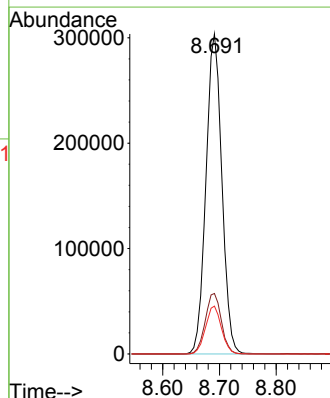
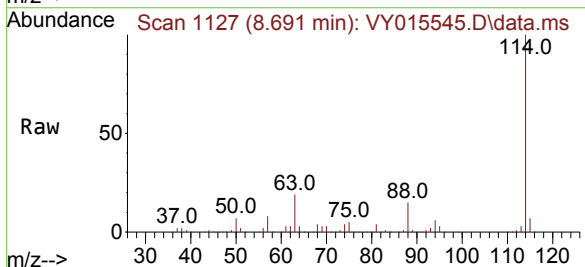
Tgt Ion: 114 Resp: 590824

Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.4

88 14.9 0.0 30.6

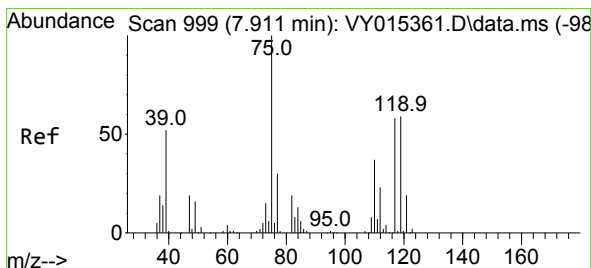
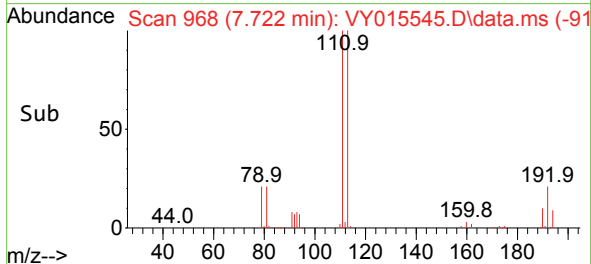
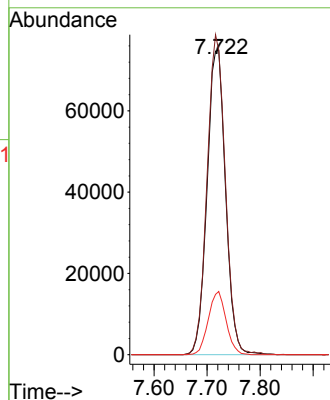
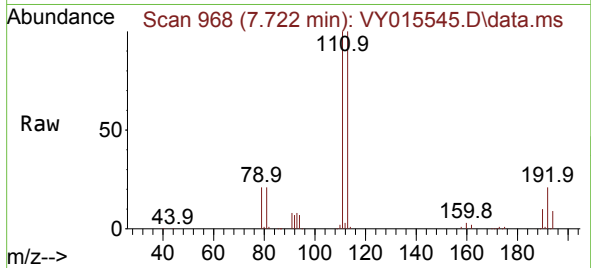




#35
Dibromofluoromethane
Concen: 53.442 ug/l
RT: 7.722 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY015545.D
Acq: 14 Sep 2023 19:49

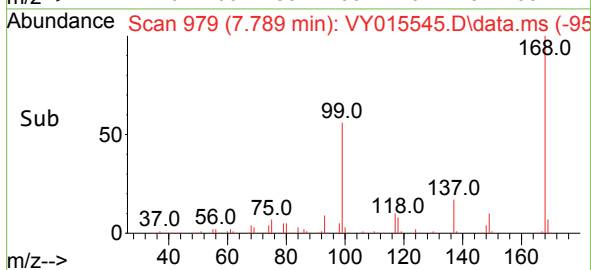
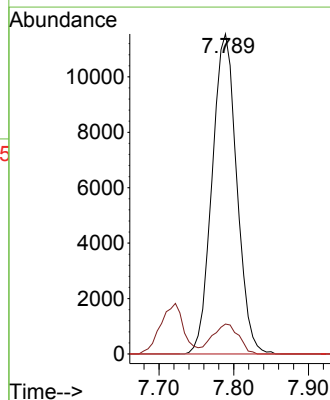
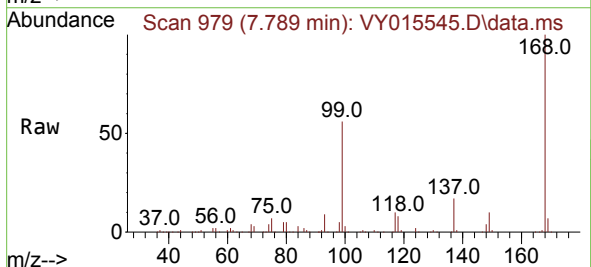
Instrument :
MSVOA_Y
ClientSampleId :

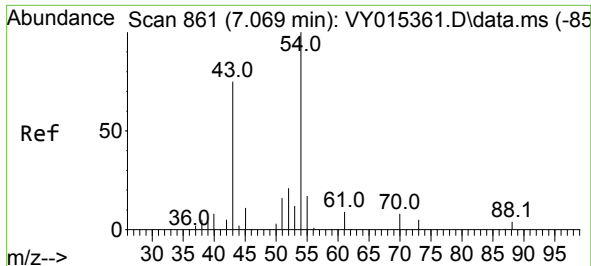
Tgt Ion:113 Resp: 181866
Ion Ratio Lower Upper
113 100
111 103.6 81.3 121.9
192 19.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.427 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY015545.D
Acq: 14 Sep 2023 19:49

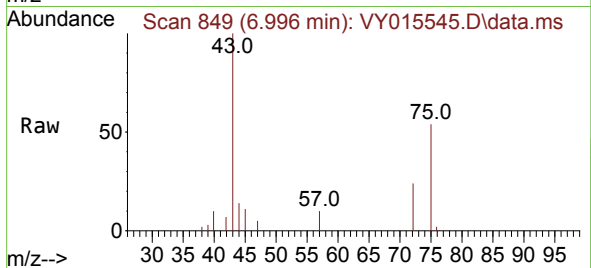
Tgt Ion: 75 Resp: 26451
Ion Ratio Lower Upper
75 100
110 10.0 17.8 53.5#
77 0.0 24.4 36.6#



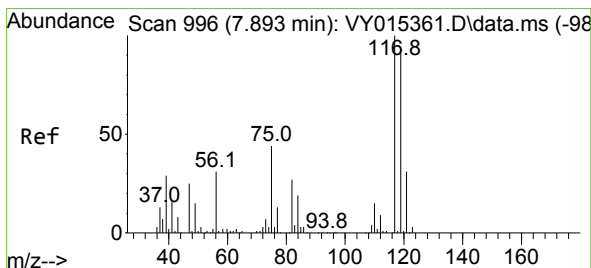
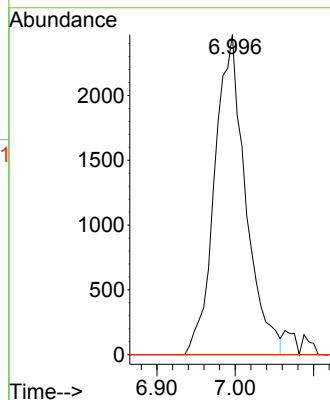
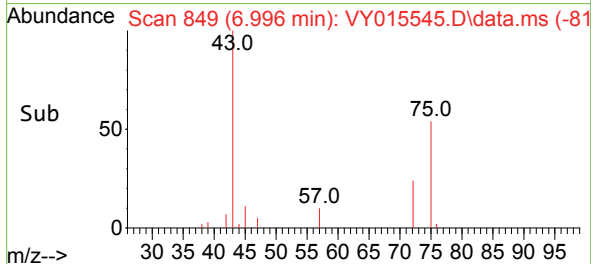


#37
Ethyl Acetate
Concen: 1.469 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.067 min
Lab File: VY015545.D
Acq: 14 Sep 2023 19:49

Instrument :
MSVOA_Y
ClientSampleId :

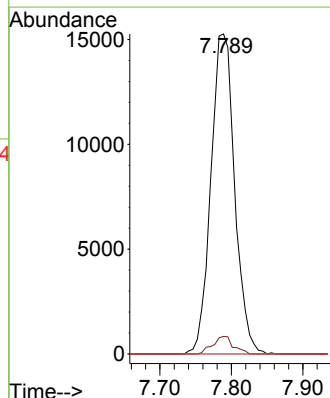
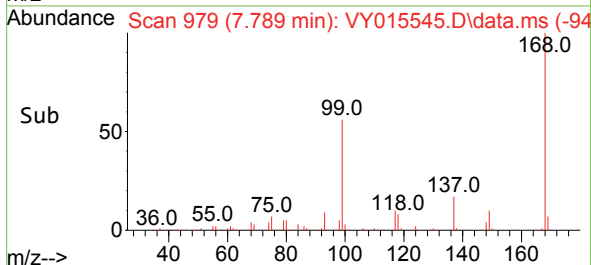
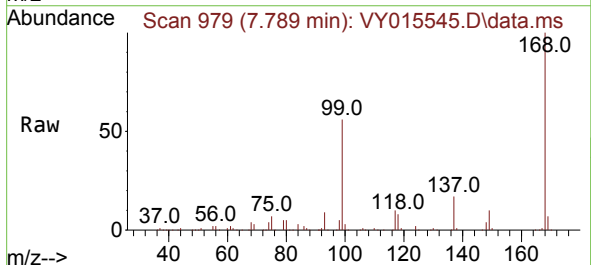


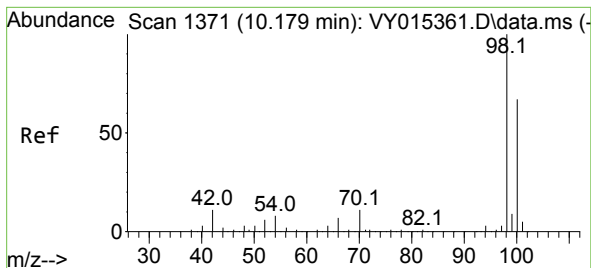
Tgt Ion: 43 Resp: 6770
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.705 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.104 min
Lab File: VY015545.D
Acq: 14 Sep 2023 19:49

Tgt Ion: 117 Resp: 35210
Ion Ratio Lower Upper
117 100
119 5.5 76.4 114.6#
121 0.0 25.8 38.6#

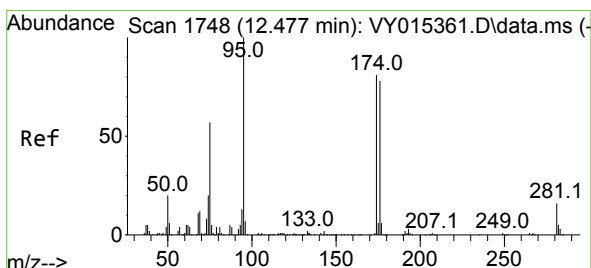
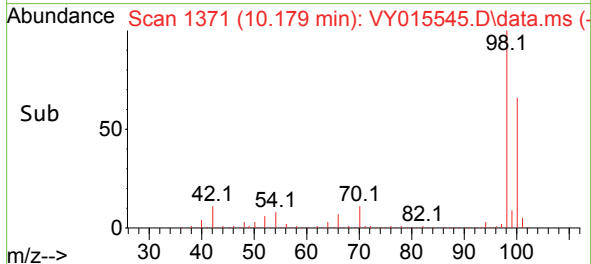
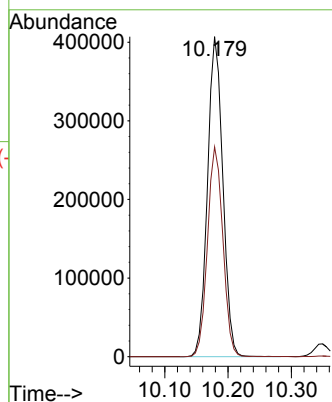
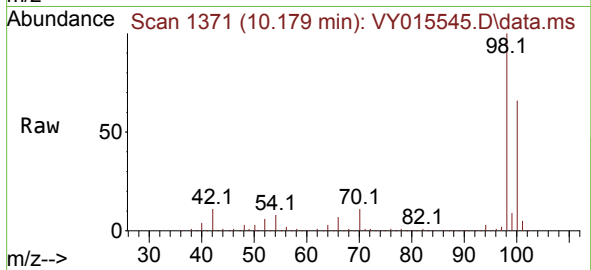




#50
Toluene-d8
Concen: 55.623 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015545.D
Acq: 14 Sep 2023 19:49

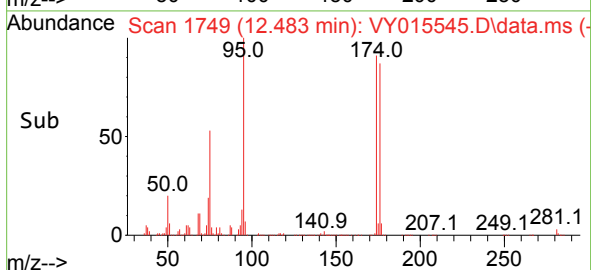
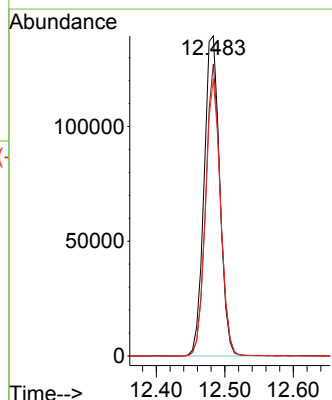
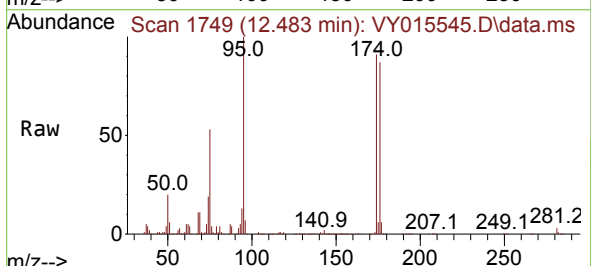
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 98 Resp: 685477
Ion Ratio Lower Upper
98 100
100 65.9 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 48.405 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015545.D
Acq: 14 Sep 2023 19:49

Tgt Ion: 95 Resp: 221451
Ion Ratio Lower Upper
95 100
174 85.7 0.0 178.2
176 82.9 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: VY015545.D

Acq: 14 Sep 2023 19:49

Instrument :

MSVOA_Y

ClientSampleId :

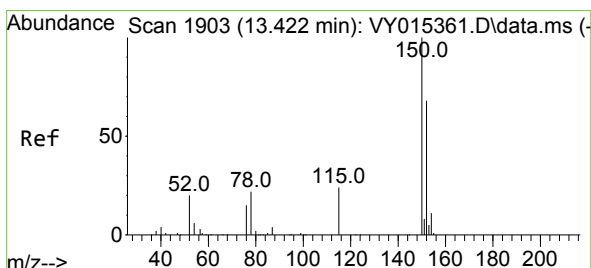
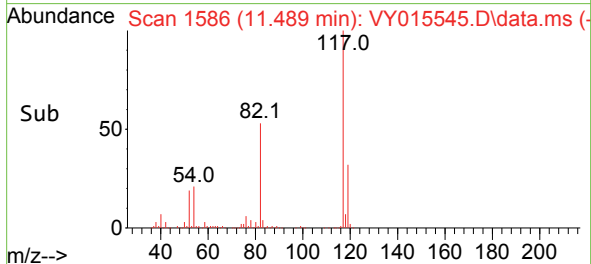
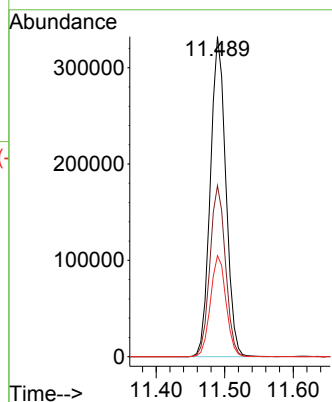
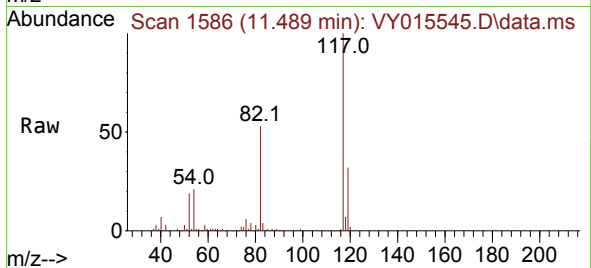
Tgt Ion:117 Resp: 521203

Ion Ratio Lower Upper

117 100

82 53.4 43.4 65.0

119 31.6 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY015545.D

Acq: 14 Sep 2023 19:49

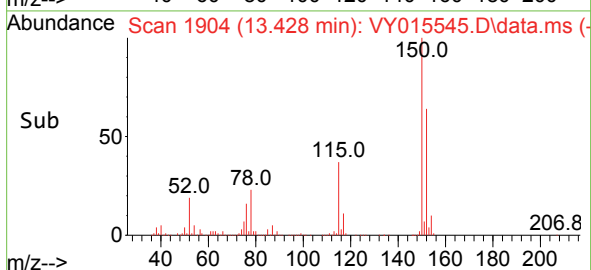
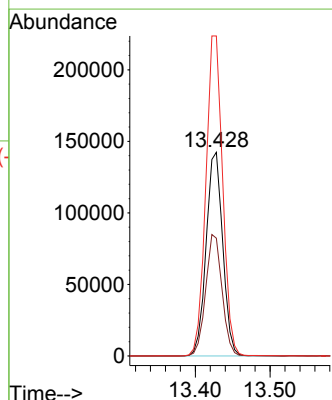
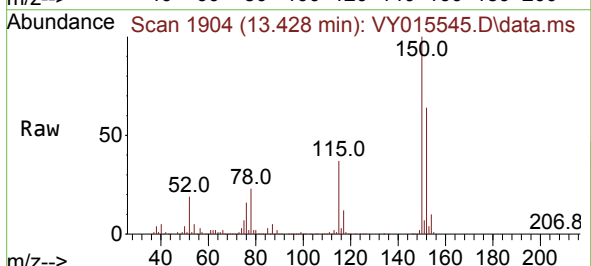
Tgt Ion:152 Resp: 219494

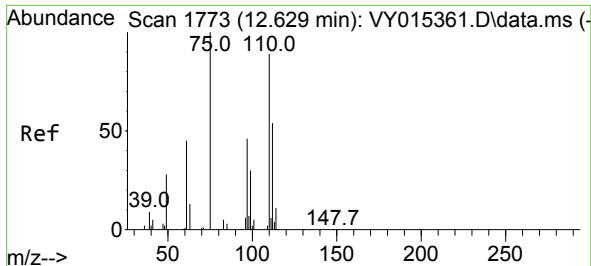
Ion Ratio Lower Upper

152 100

115 59.0 28.8 86.5

150 158.9 0.0 348.8

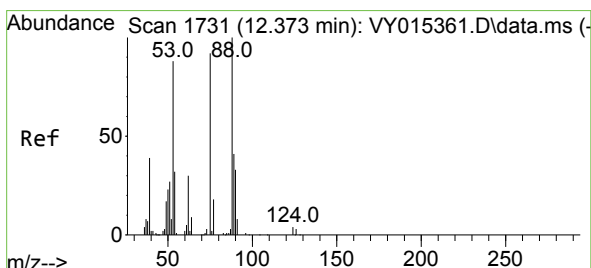
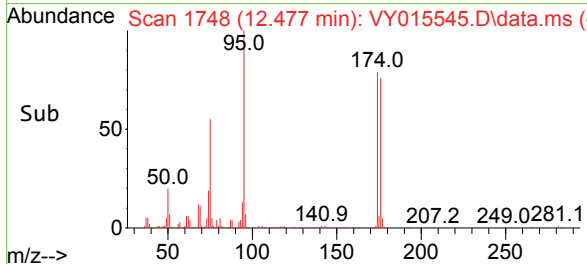
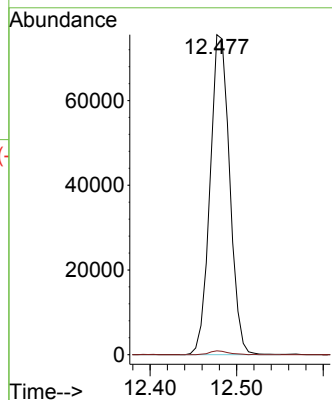
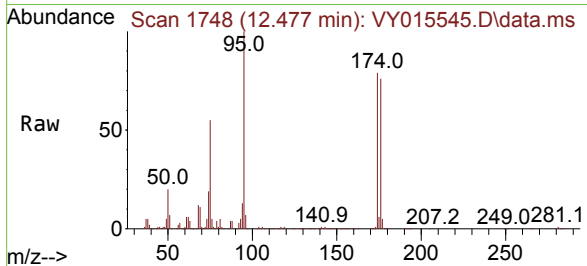




#76
1,2,3-Trichloropropane
Concen: 40.831 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015545.D
Acq: 14 Sep 2023 19:49

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 118848
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.069 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY015545.D
Acq: 14 Sep 2023 19:49

Tgt Ion: 75 Resp: 118848
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

