

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092223\
 Data File : VY015691.D
 Acq On : 22 Sep 2023 17:51
 Operator : SY/MD
 Sample : 04566-01
 Misc : 4.53g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 22 22:59:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

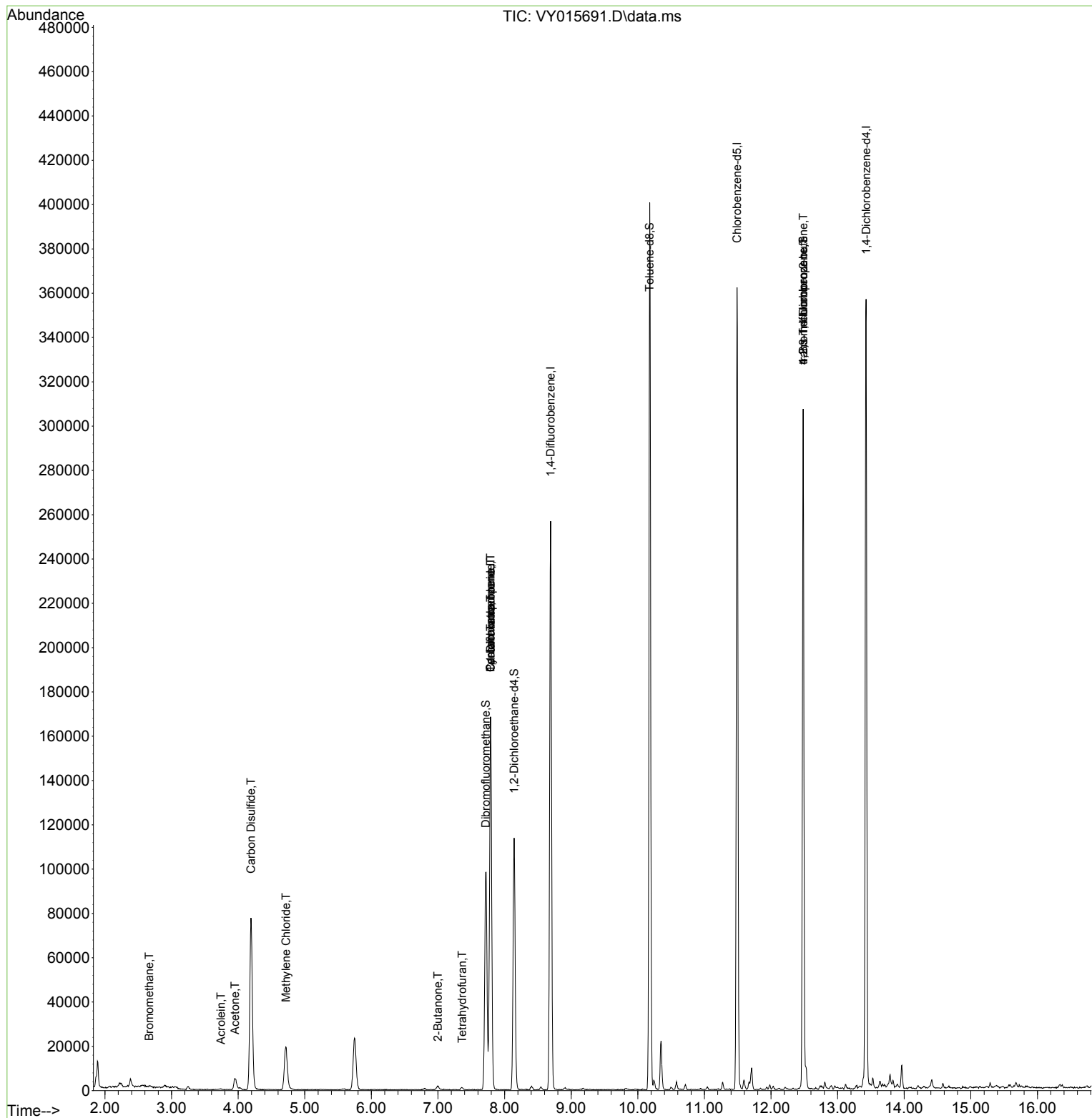
Internal Standards						
1) Pentafluorobenzene	7.789	168	128919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	222162	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	203497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	94086	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	86884	61.252	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	122.500%
35) Dibromofluoromethane	7.716	113	70441	52.974	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.940%
50) Toluene-d8	10.179	98	259495	57.556	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	115.120%
62) 4-Bromofluorobenzene	12.483	95	87962	49.715	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.440%
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	54	2.599	ug/l	87
11) Tert butyl alcohol	4.954	59	42	Below Cal	#	89
13) Acrolein	3.741	56	377	1.735	ug/l	96
16) Acetone	3.954	43	10187	13.420	ug/l	99
17) Carbon Disulfide	4.192	76	158878	72.108	ug/l	99
20) Methylene Chloride	4.716	84	15427	4.916	ug/l #	88
25) 2-Butanone	6.996	43	2880	2.684	ug/l	90
29) Tetrahydrofuran	7.362	42	874	1.441	ug/l #	73
31) Cyclohexane	7.789	56	2927	1.490	ug/l #	11
36) 1,1-Dichloropropene	7.789	75	10057	5.115	ug/l #	50
38) Carbon Tetrachloride	7.789	117	13067	6.123	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	46967	31.291	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	46967	70.464	ug/l #	11

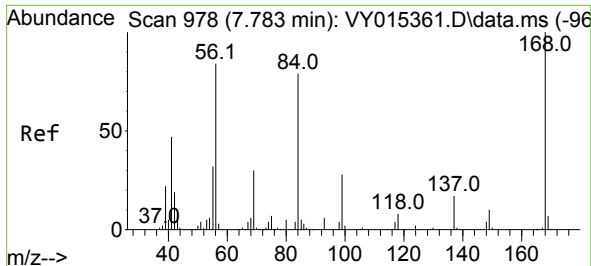
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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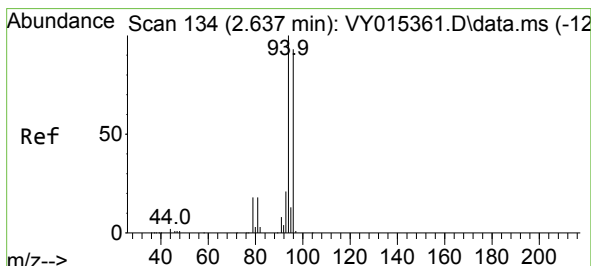
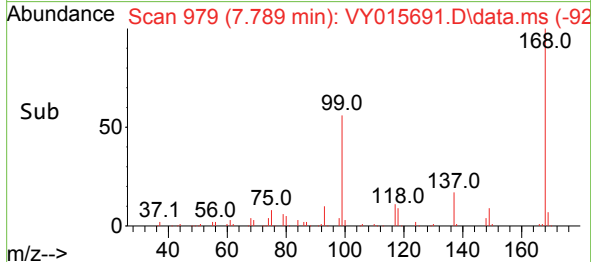
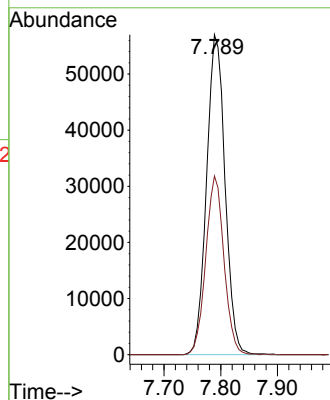
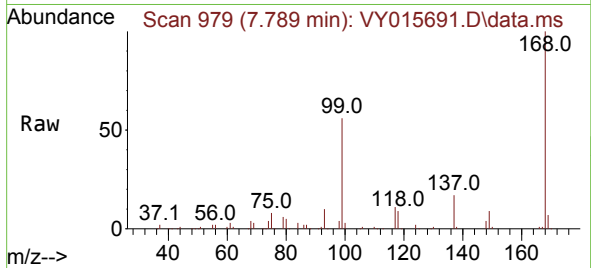




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015691.D
Acq: 22 Sep 2023 17:51

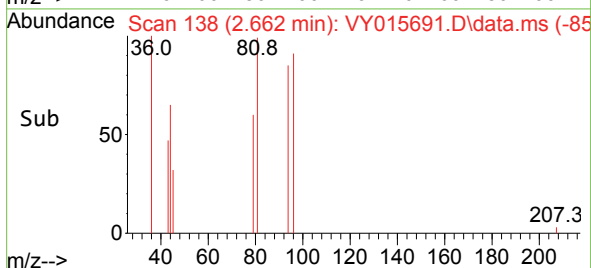
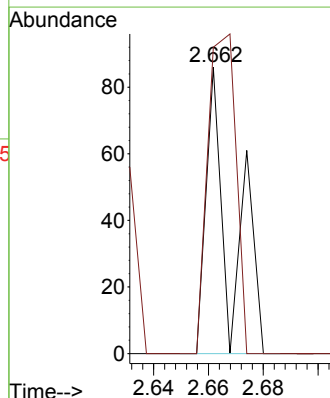
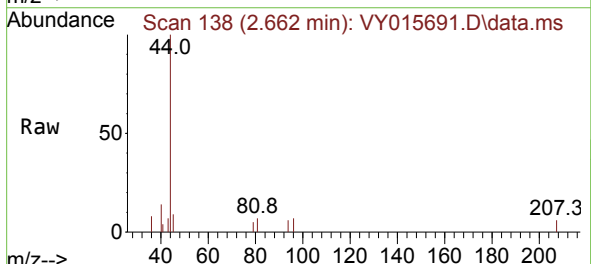
Instrument :
MSVOA_Y
ClientSampleId :

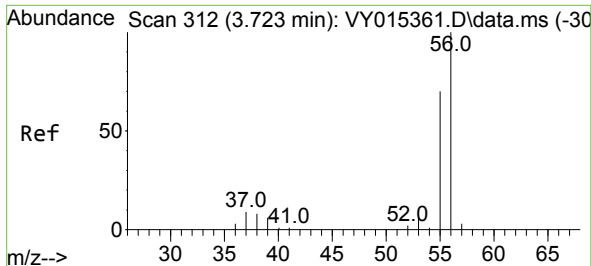
Tgt Ion:168 Resp: 128919
Ion Ratio Lower Upper
168 100
99 55.8 43.4 65.0



#5
Bromomethane
Concen: 2.599 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.025 min
Lab File: VY015691.D
Acq: 22 Sep 2023 17:51

Tgt Ion: 94 Resp: 54
Ion Ratio Lower Upper
94 100
96 107.0 75.8 113.6





#13

Acrolein

Concen: 1.735 ug/l

RT: 3.741 min Scan# 312

Delta R.T. 0.018 min

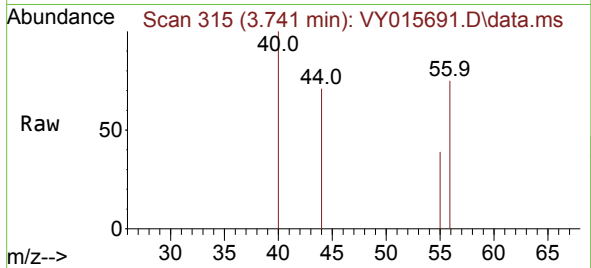
Lab File: VY015691.D

Acq: 22 Sep 2023 17:51

Instrument :

MSVOA_Y

ClientSampleId :

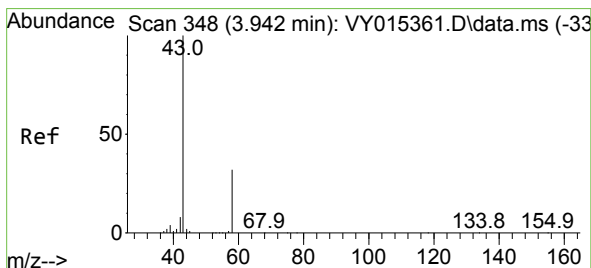
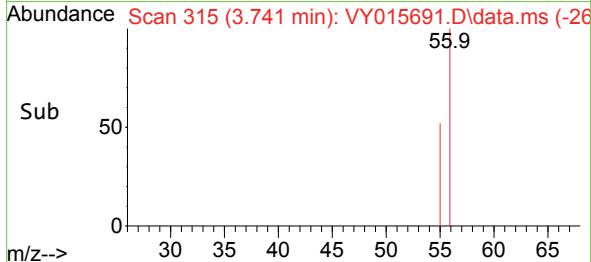
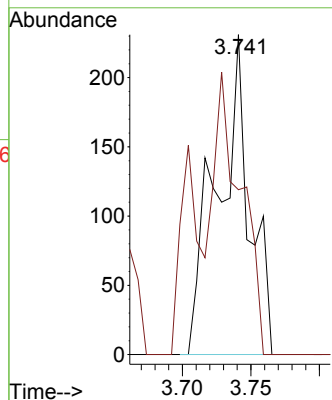


Tgt Ion: 56 Resp: 377

Ion Ratio Lower Upper

56 100

55 74.8 57.0 85.4



#16

Acetone

Concen: 13.420 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.012 min

Lab File: VY015691.D

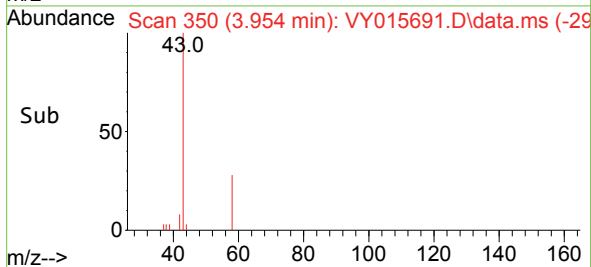
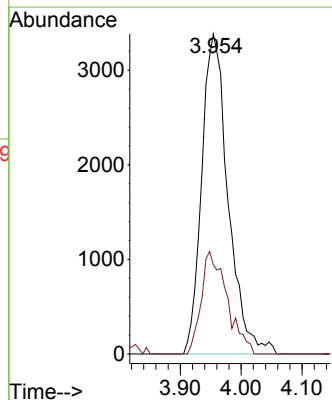
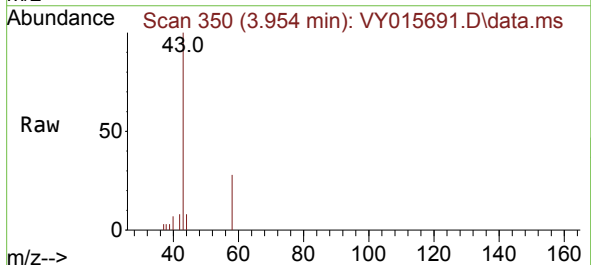
Acq: 22 Sep 2023 17:51

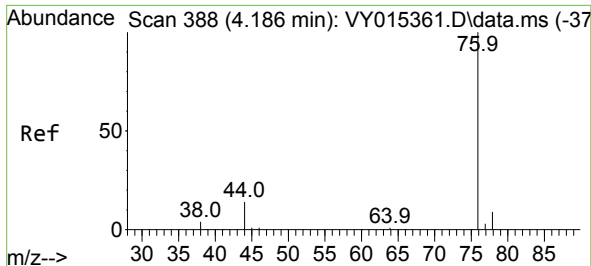
Tgt Ion: 43 Resp: 10187

Ion Ratio Lower Upper

43 100

58 27.9 22.7 34.1

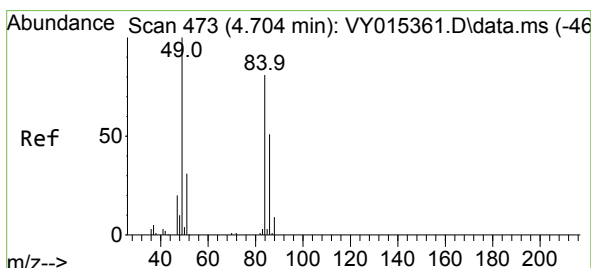
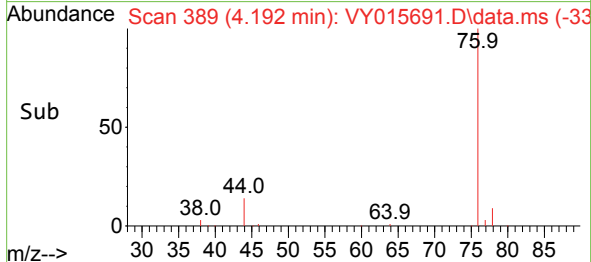
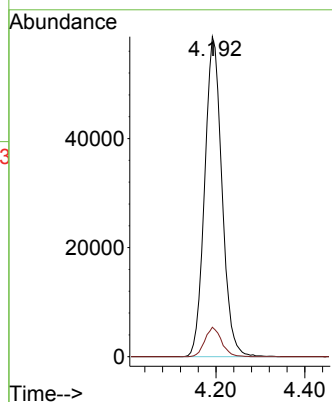
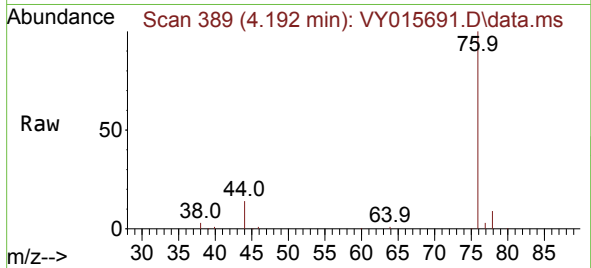




#17
Carbon Disulfide
Concen: 72.108 ug/l
RT: 4.192 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY015691.D
Acq: 22 Sep 2023 17:51

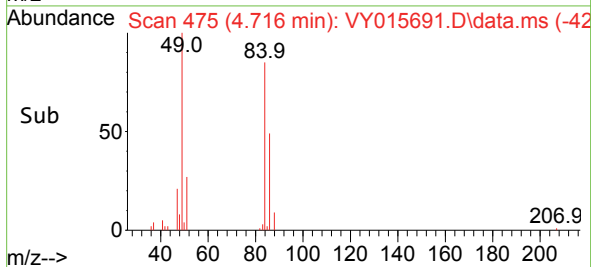
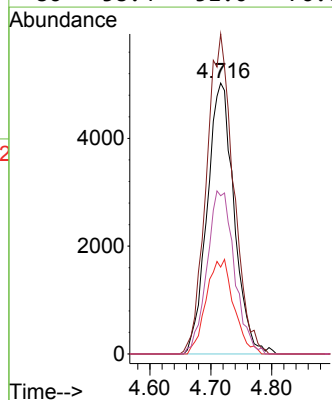
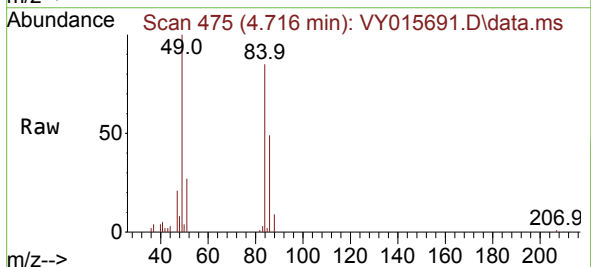
Instrument :
MSVOA_Y
ClientSampleId :

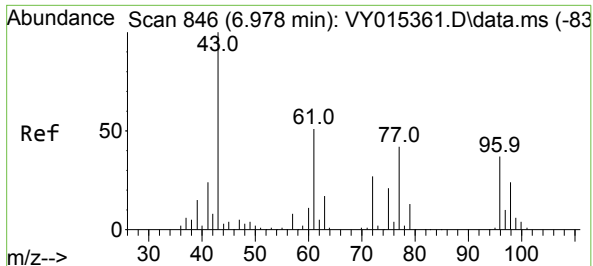
Tgt Ion: 76 Resp: 158878
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.4



#20
Methylene Chloride
Concen: 4.916 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY015691.D
Acq: 22 Sep 2023 17:51

Tgt Ion: 84 Resp: 15427
Ion Ratio Lower Upper
84 100
49 118.1 106.9 160.3
51 32.0 33.2 49.8#
86 58.4 51.0 76.6





#25

2-Butanone

Concen: 2.684 ug/l

RT: 6.996 min Scan# 846

Delta R.T. 0.018 min

Lab File: VY015691.D

Acq: 22 Sep 2023 17:51

Instrument :

MSVOA_Y

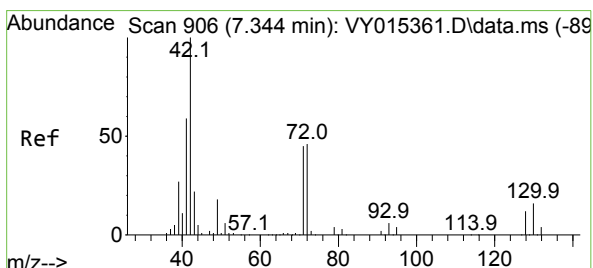
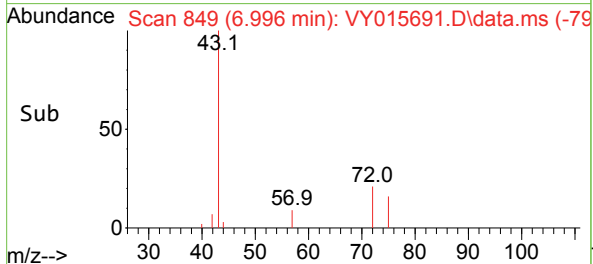
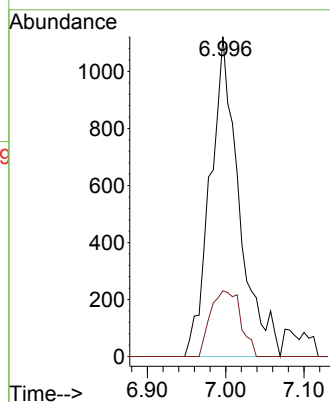
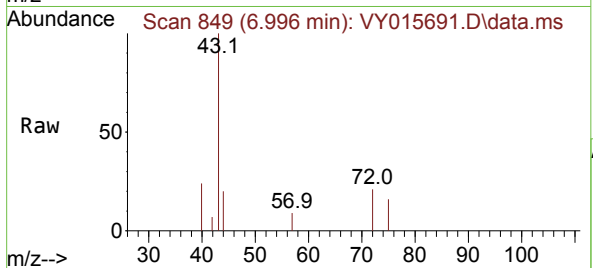
ClientSampleId :

Tgt Ion: 43 Resp: 2880

Ion Ratio Lower Upper

43 100

72 20.6 20.5 30.7



#29

Tetrahydrofuran

Concen: 1.441 ug/l

RT: 7.362 min Scan# 909

Delta R.T. 0.018 min

Lab File: VY015691.D

Acq: 22 Sep 2023 17:51

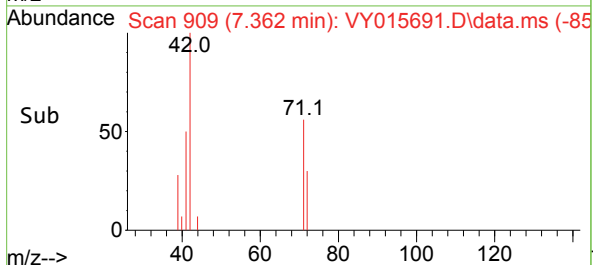
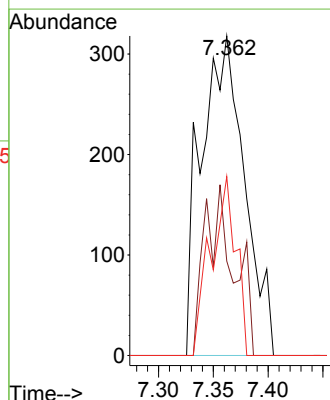
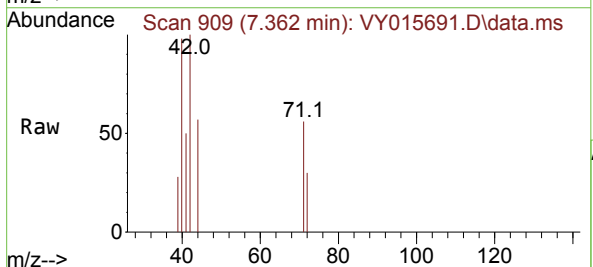
Tgt Ion: 42 Resp: 874

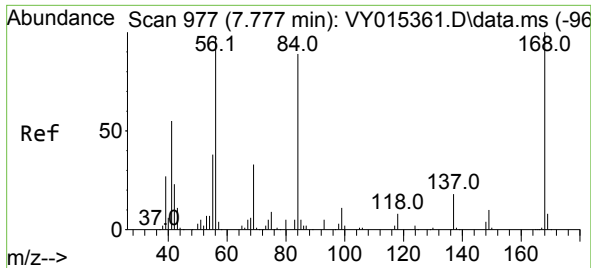
Ion Ratio Lower Upper

42 100

72 14.1 32.8 49.2#

71 32.6 31.0 46.4

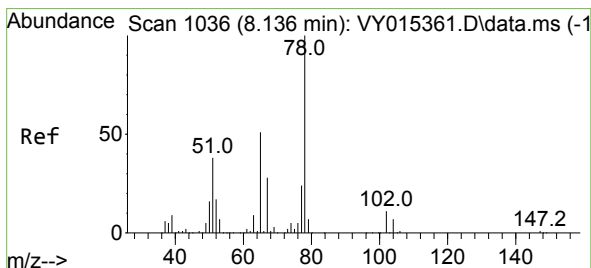
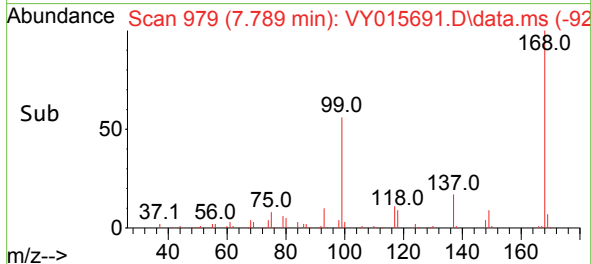
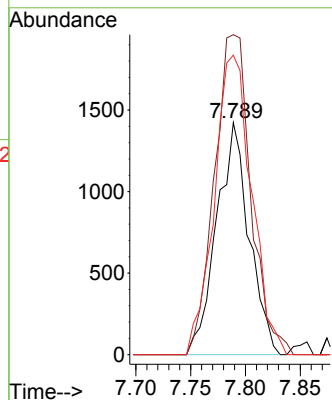
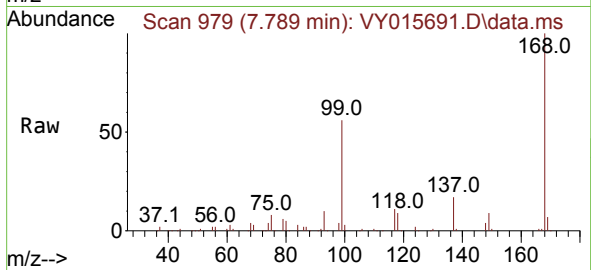




#31
Cyclohexane
Concen: 1.490 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015691.D
Acq: 22 Sep 2023 17:51

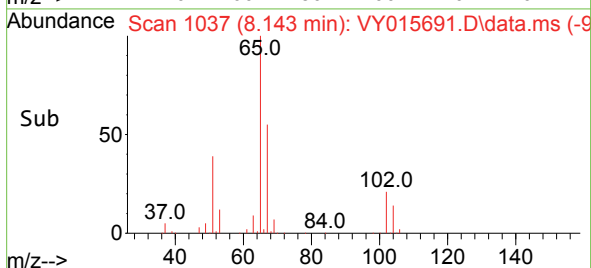
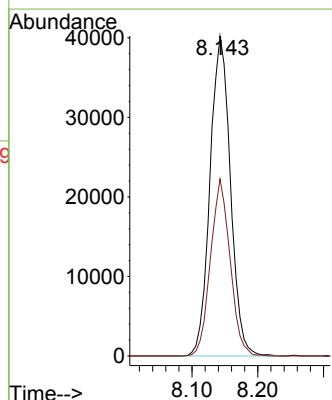
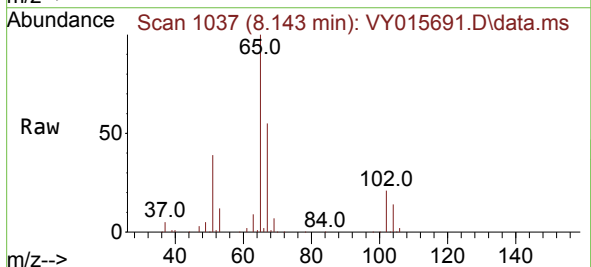
Instrument :
MSVOA_Y
ClientSampleId :

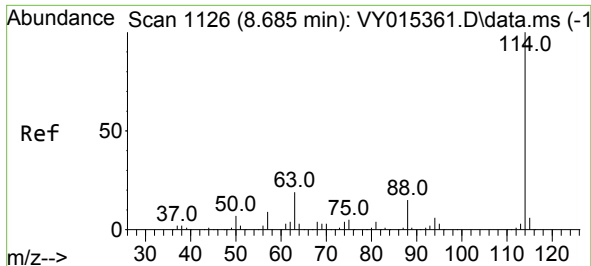
Tgt Ion: 56 Resp: 2927
Ion Ratio Lower Upper
56 100
69 138.0 27.8 41.6#
84 129.1 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 61.252 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY015691.D
Acq: 22 Sep 2023 17:51

Tgt Ion: 65 Resp: 86884
Ion Ratio Lower Upper
65 100
67 53.1 0.0 101.8

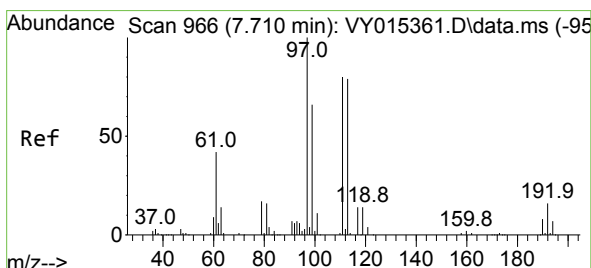
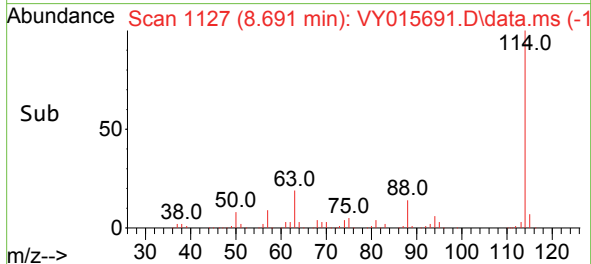
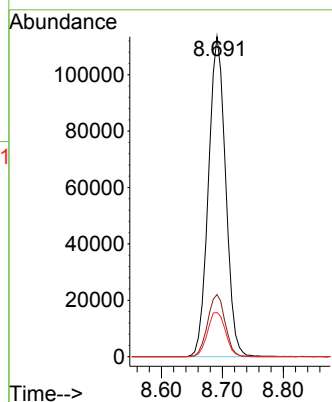
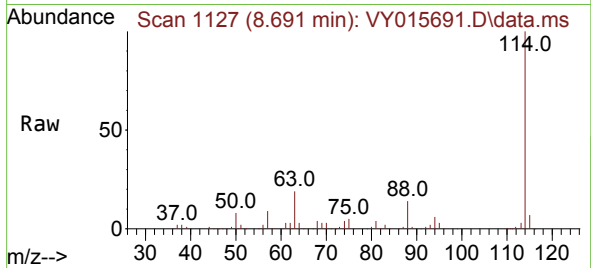




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VY015691.D
Acq: 22 Sep 2023 17:51

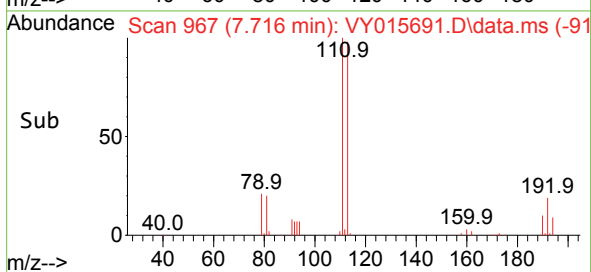
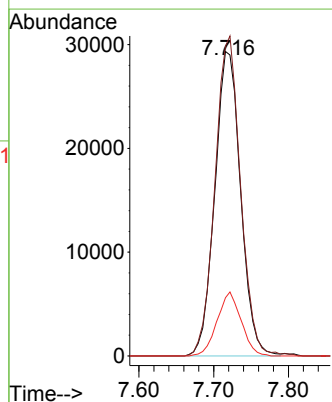
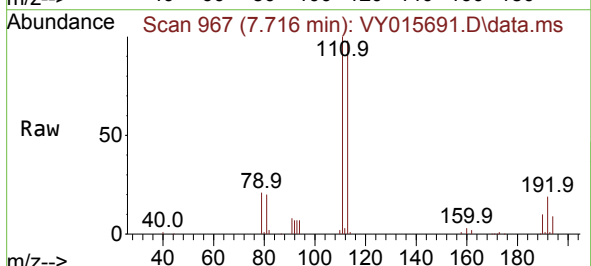
Instrument :
MSVOA_Y
ClientSampleId :

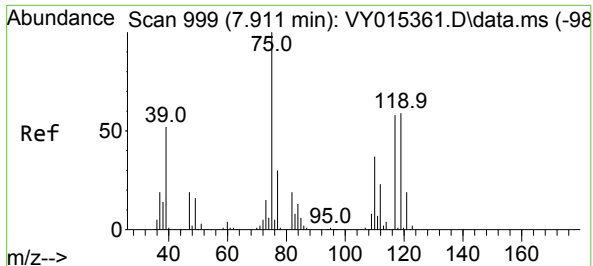
Tgt Ion:114 Resp: 222162
Ion Ratio Lower Upper
114 100
63 19.4 0.0 42.4
88 13.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 52.974 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY015691.D
Acq: 22 Sep 2023 17:51

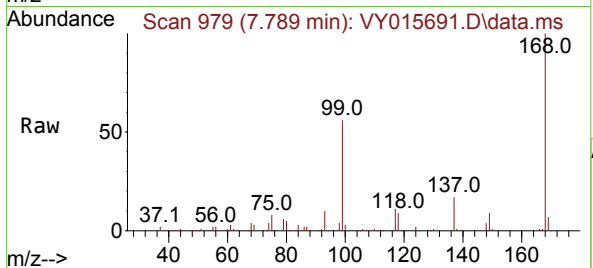
Tgt Ion:113 Resp: 70441
Ion Ratio Lower Upper
113 100
111 104.1 81.3 121.9
192 19.6 16.9 25.3



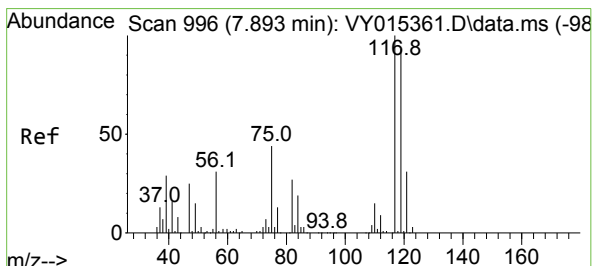
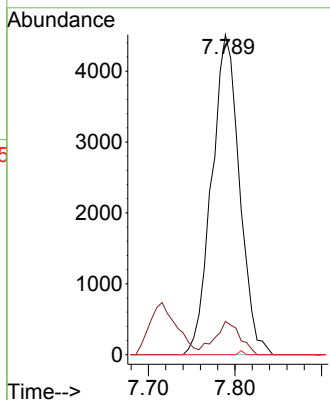
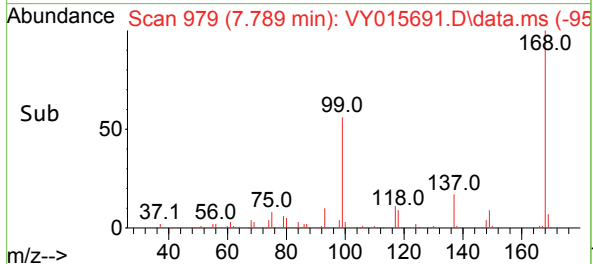


#36
1,1-Dichloropropene
Concen: 5.115 ug/l
RT: 7.789 min Scan# 911
Delta R.T. -0.122 min
Lab File: VY015691.D
Acq: 22 Sep 2023 17:51

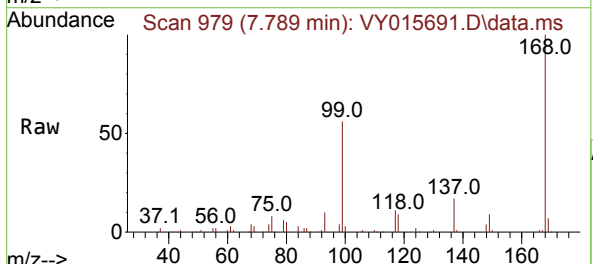
Instrument :
MSVOA_Y
ClientSampleId :



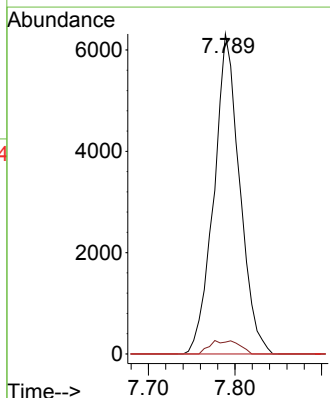
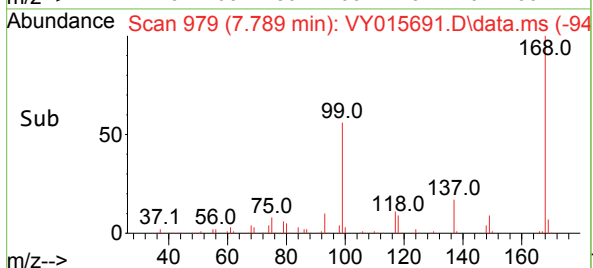
Tgt Ion: 75 Resp: 10057
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.5#
77 0.2 24.4 36.6#

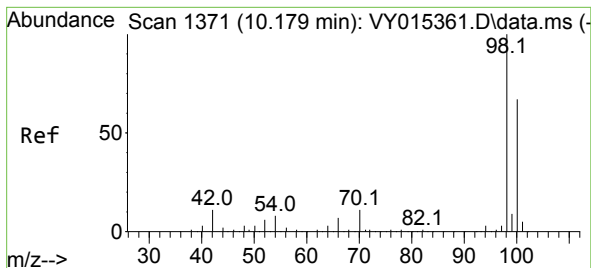


#38
Carbon Tetrachloride
Concen: 6.123 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.104 min
Lab File: VY015691.D
Acq: 22 Sep 2023 17:51



Tgt Ion: 117 Resp: 13067
Ion Ratio Lower Upper
117 100
119 3.7 76.4 114.6#
121 0.0 25.8 38.6#

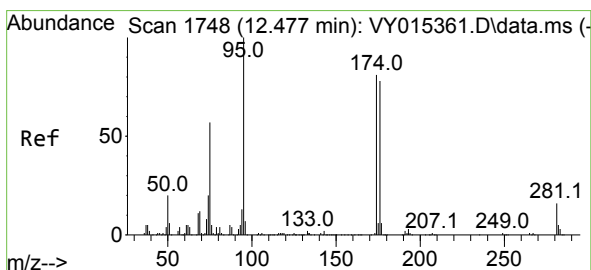
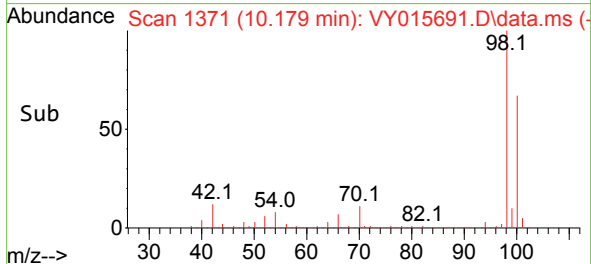
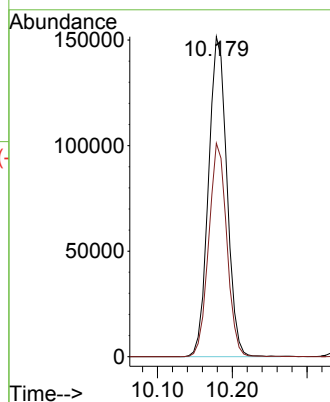
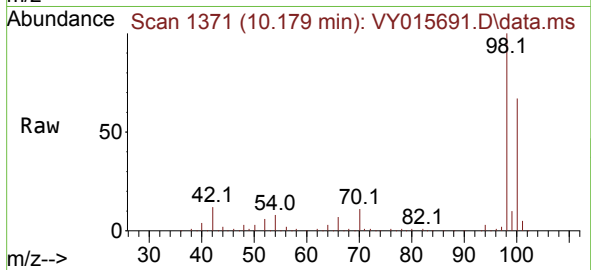




#50
Toluene-d8
Concen: 57.556 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015691.D
Acq: 22 Sep 2023 17:51

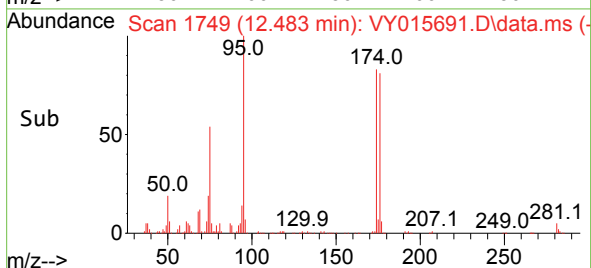
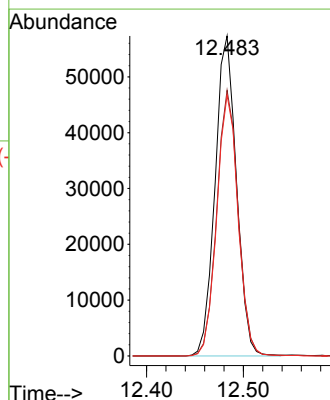
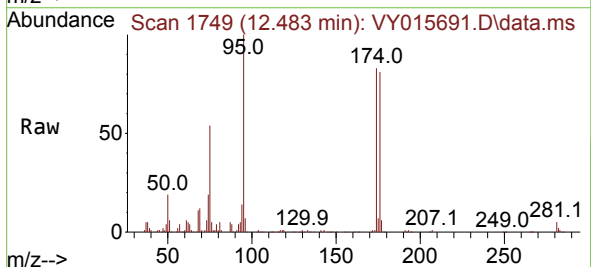
Instrument :
MSVOA_Y
ClientSampleId :

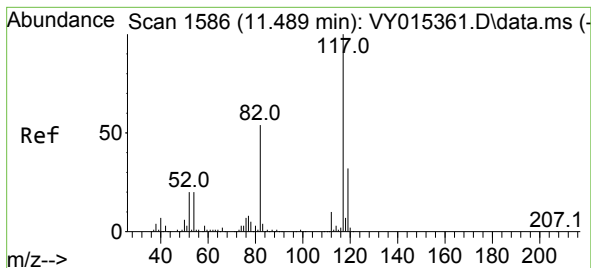
Tgt Ion: 98 Resp: 259495
Ion Ratio Lower Upper
98 100
100 65.6 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 49.715 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015691.D
Acq: 22 Sep 2023 17:51

Tgt Ion: 95 Resp: 87962
Ion Ratio Lower Upper
95 100
174 83.2 0.0 178.2
176 81.1 0.0 173.8

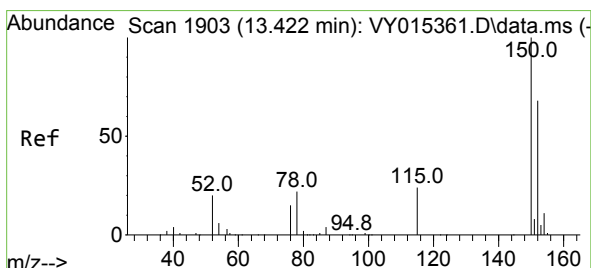
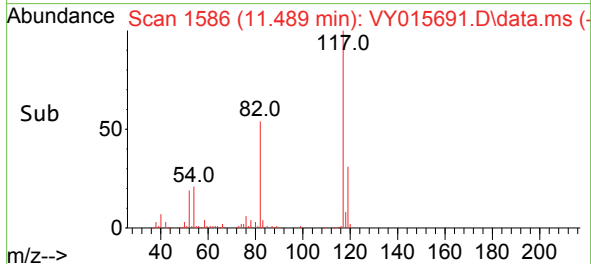
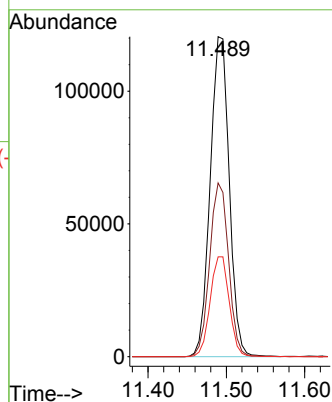
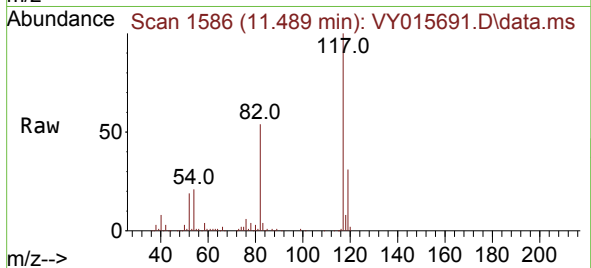




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015691.D
Acq: 22 Sep 2023 17:51

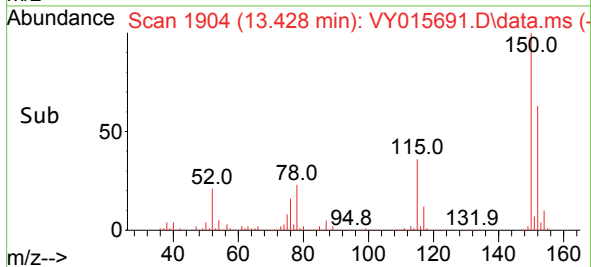
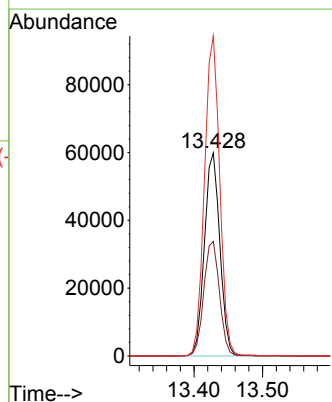
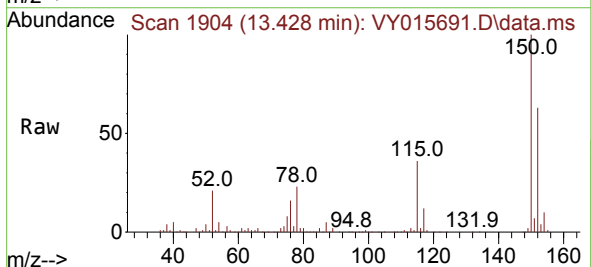
Instrument :
MSVOA_Y
ClientSampleId :

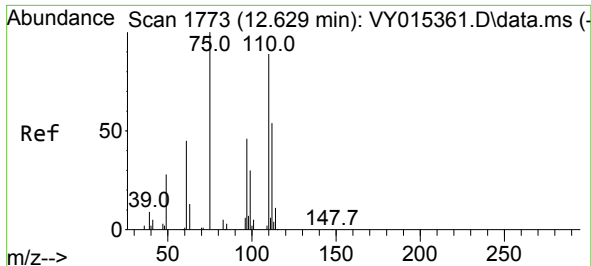
Tgt Ion:117 Resp: 203497
Ion Ratio Lower Upper
117 100
82 54.3 43.4 65.0
119 31.2 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015691.D
Acq: 22 Sep 2023 17:51

Tgt Ion:152 Resp: 94086
Ion Ratio Lower Upper
152 100
115 57.4 28.8 86.5
150 155.5 0.0 348.8

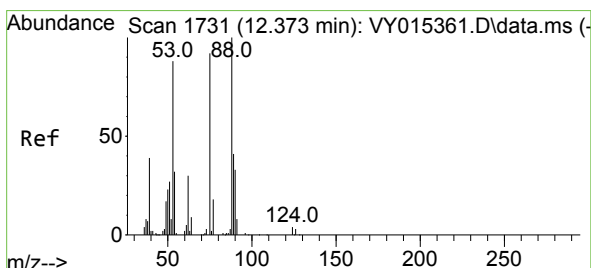
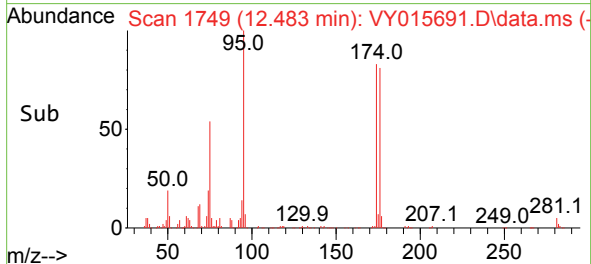
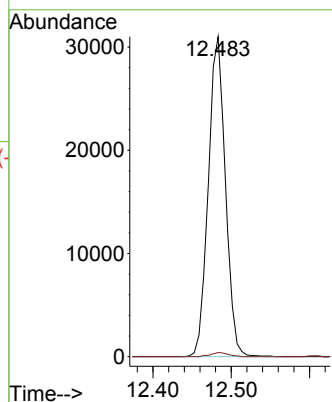
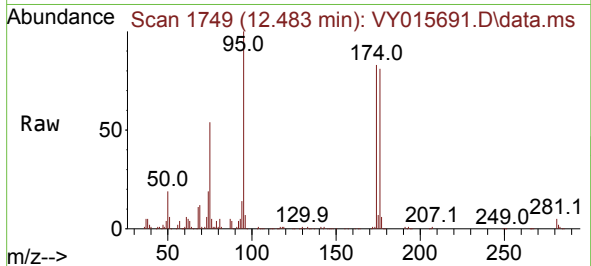




#76
1,2,3-Trichloropropane
Concen: 31.291 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY015691.D
Acq: 22 Sep 2023 17:51

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 46967
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.464 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY015691.D
Acq: 22 Sep 2023 17:51

Tgt Ion: 75 Resp: 46967
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

