

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092023\
 Data File : VY015651.D
 Acq On : 20 Sep 2023 12:11
 Operator : SY/MD
 Sample : 04491-05RE
 Misc : 6.43g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 21 03:39:01 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)

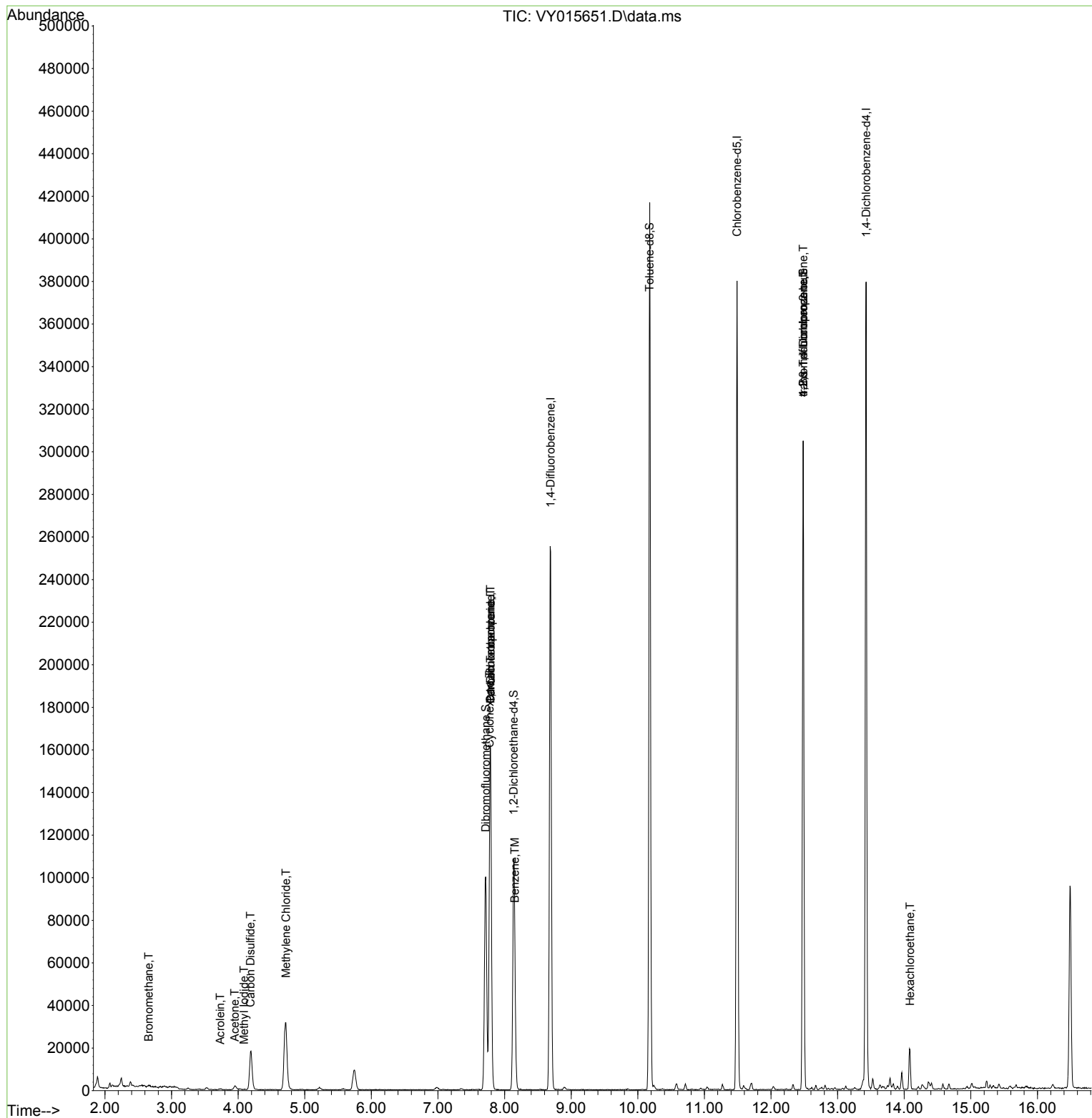
Internal Standards						
1) Pentafluorobenzene	7.789	168	129174	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	222282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	202838	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	95097	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	81412	57.281	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.560%	
35) Dibromofluoromethane	7.716	113	71348	53.628	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.260%	
50) Toluene-d8	10.179	98	263742	58.466	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 116.940%	
62) 4-Bromofluorobenzene	12.483	95	87557	49.459	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.920%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.656	94	283	2.777	ug/l #	78
10) Methyl Iodide	4.088	142	320	2.928	ug/l #	49
11) Tert butyl alcohol	4.966	59	426	Below Cal	#	89
13) Acrolein	3.729	56	557	2.559	ug/l #	81
16) Acetone	3.948	43	3421	4.498	ug/l #	83
17) Carbon Disulfide	4.186	76	37537	17.003	ug/l	99
20) Methylene Chloride	4.716	84	23843	10.489	ug/l	92
31) Cyclohexane	7.777	56	2904	1.475	ug/l #	13
36) 1,1-Dichloropropene	7.789	75	10232	5.201	ug/l #	50
38) Carbon Tetrachloride	7.789	117	13026	6.100	ug/l #	16
40) Benzene	8.155	78	11196	1.866	ug/l	97
76) 1,2,3-Trichloropropane	12.483	75	46271	30.499	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	46271	68.682	ug/l #	11
90) Hexachloroethane	14.087	117	10189	8.074	ug/l #	8

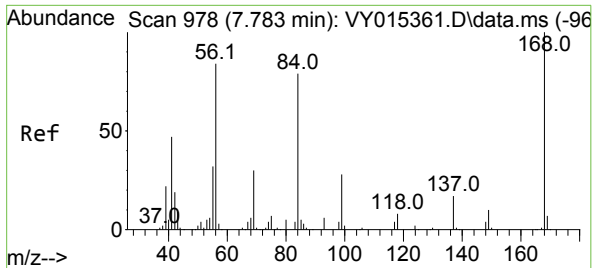
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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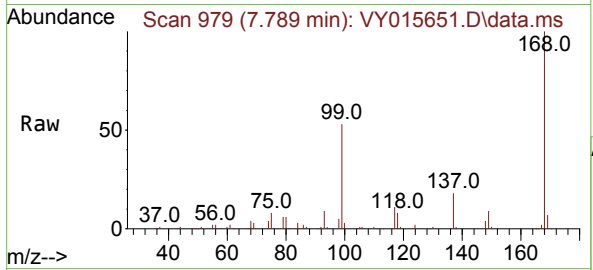
Quant Time: Sep 21 03:39:01 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 20 01:39:40 2023
Response via : Initial Calibration



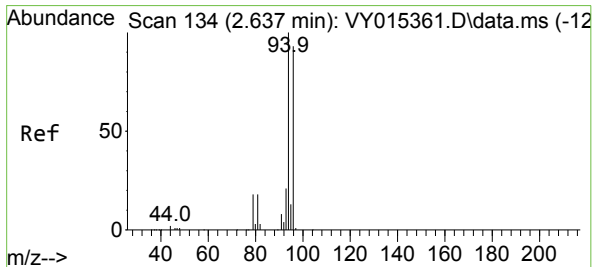
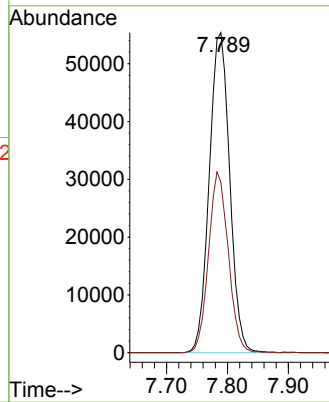
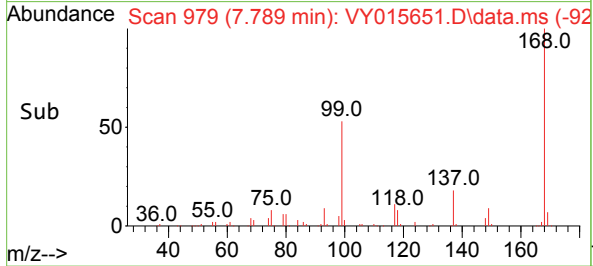


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015651.D
Acq: 20 Sep 2023 12:11

Instrument :
MSVOA_Y
ClientSampleId :

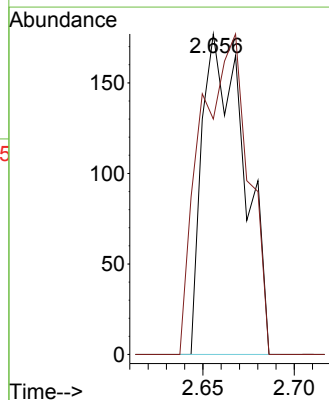
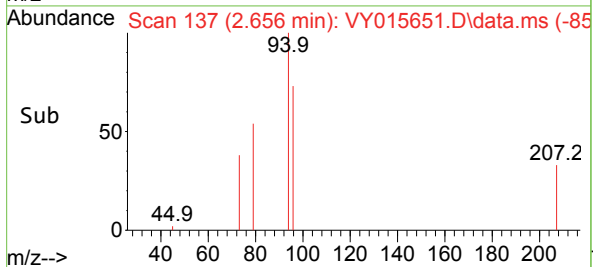
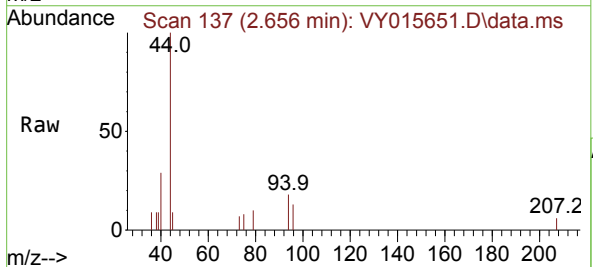


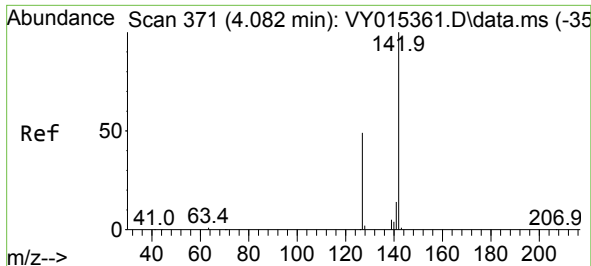
Tgt Ion:168 Resp: 129174
Ion Ratio Lower Upper
168 100
99 53.4 43.4 65.0



#5
Bromomethane
Concen: 2.777 ug/l
RT: 2.656 min Scan# 137
Delta R.T. 0.019 min
Lab File: VY015651.D
Acq: 20 Sep 2023 12:11

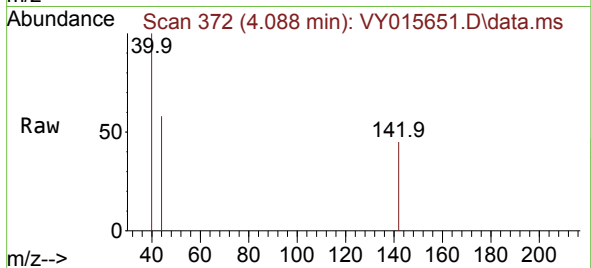
Tgt Ion: 94 Resp: 283
Ion Ratio Lower Upper
94 100
96 73.4 75.8 113.6#



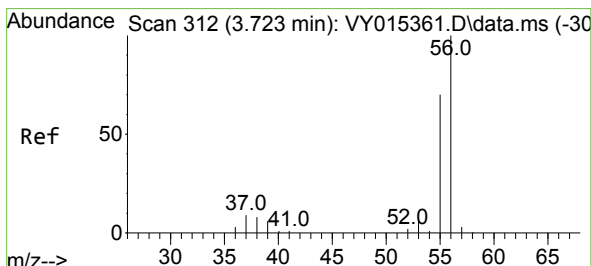
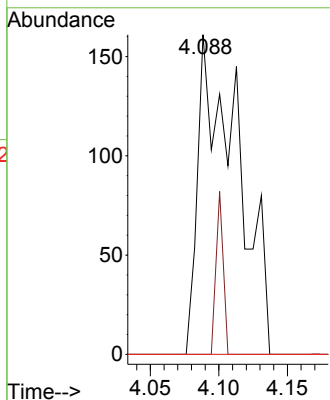
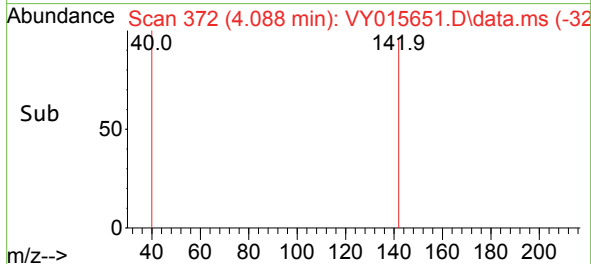


#10
Methyl Iodide
Concen: 2.928 ug/l
RT: 4.088 min Scan# 313
Delta R.T. 0.006 min
Lab File: VY015651.D
Acq: 20 Sep 2023 12:11

Instrument :
MSVOA_Y
ClientSampleId :

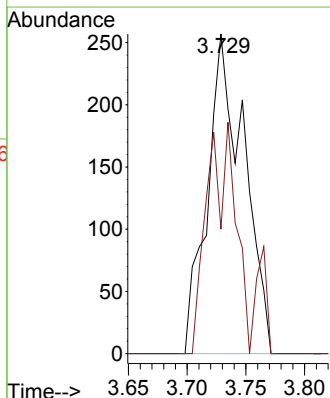
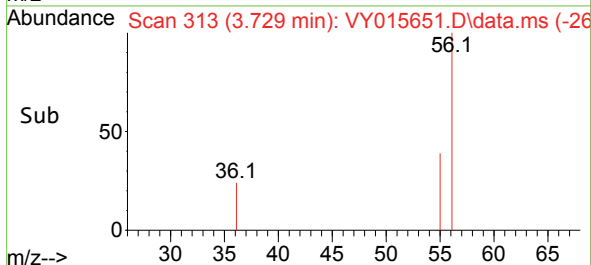
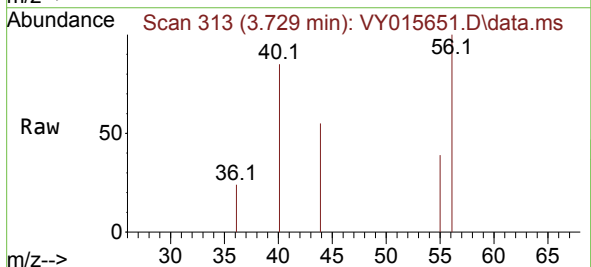


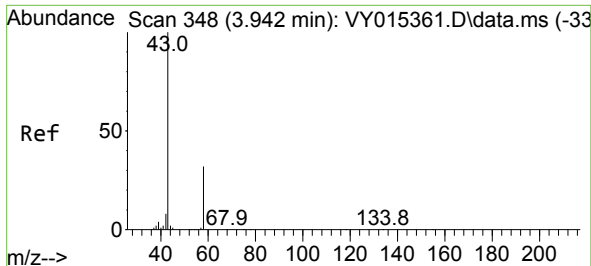
Tgt Ion:142 Resp: 320
Ion Ratio Lower Upper
142 100
127 9.4 37.6 56.4#
141 0.0 11.8 17.8#



#13
Acrolein
Concen: 2.559 ug/l
RT: 3.729 min Scan# 313
Delta R.T. 0.006 min
Lab File: VY015651.D
Acq: 20 Sep 2023 12:11

Tgt Ion: 56 Resp: 557
Ion Ratio Lower Upper
56 100
55 55.8 57.0 85.4#





#16

Acetone

Concen: 4.498 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY015651.D

Acq: 20 Sep 2023 12:11

Instrument :

MSVOA_Y

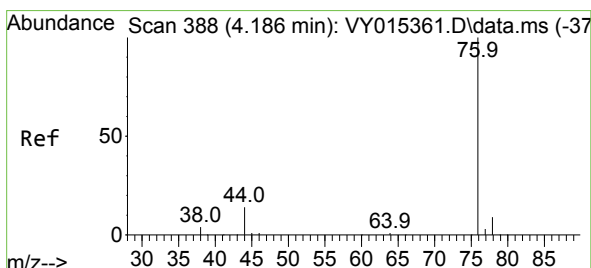
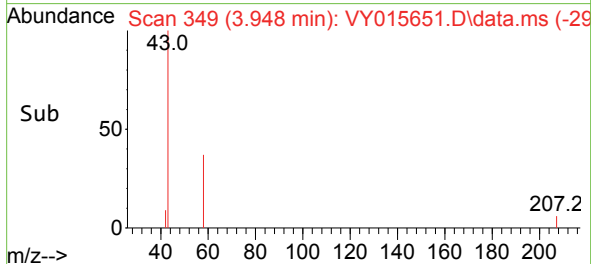
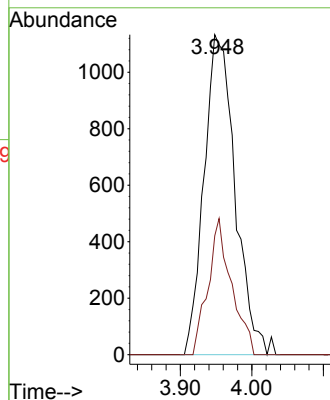
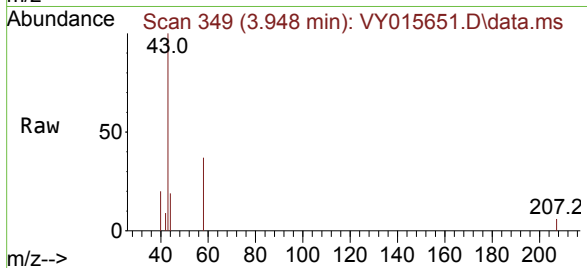
ClientSampleId :

Tgt Ion: 43 Resp: 3421

Ion Ratio Lower Upper

43 100

58 37.2 22.7 34.1#



#17

Carbon Disulfide

Concen: 17.003 ug/l

RT: 4.186 min Scan# 388

Delta R.T. -0.000 min

Lab File: VY015651.D

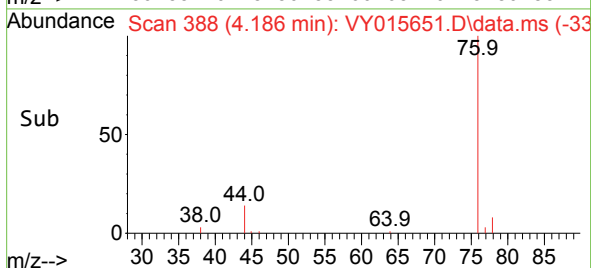
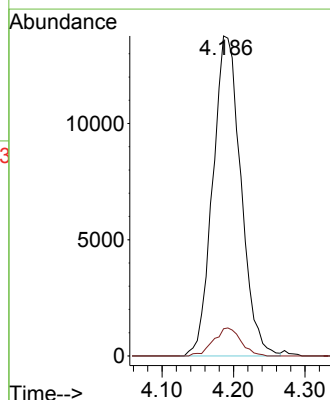
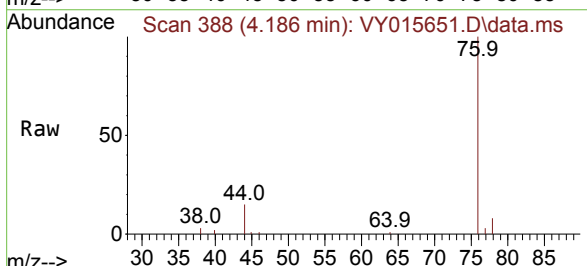
Acq: 20 Sep 2023 12:11

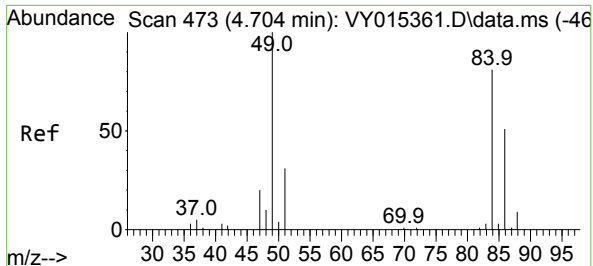
Tgt Ion: 76 Resp: 37537

Ion Ratio Lower Upper

76 100

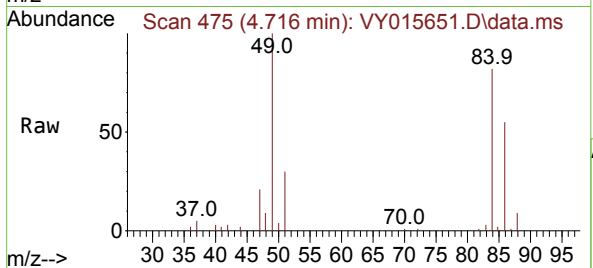
78 8.5 7.0 10.4



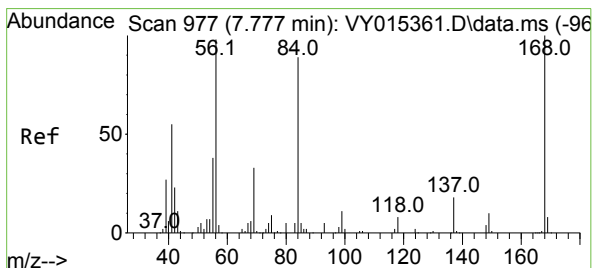
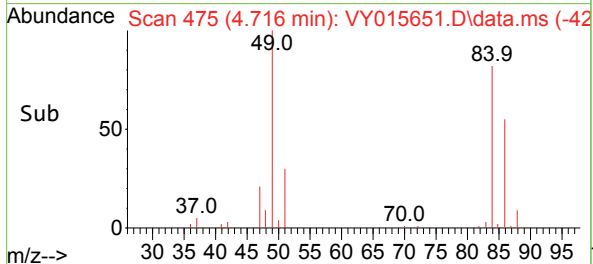
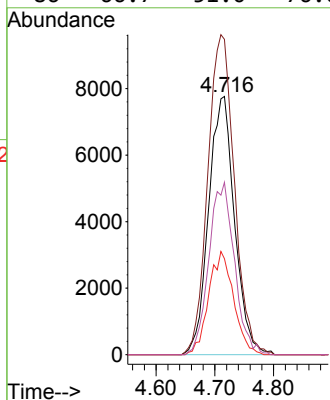


#20
Methylene Chloride
Concen: 10.489 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY015651.D
Acq: 20 Sep 2023 12:11

Instrument :
MSVOA_Y
ClientSampleId :

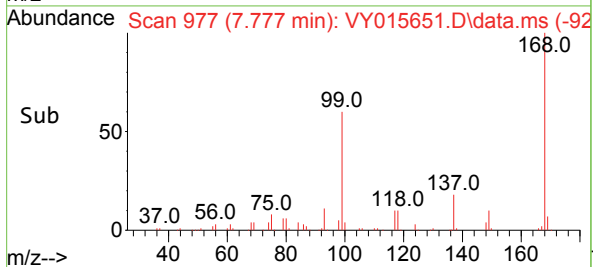
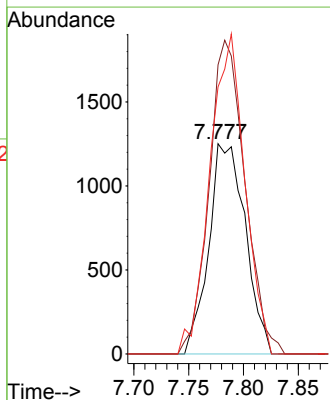
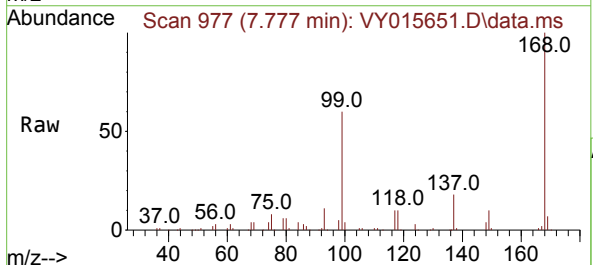


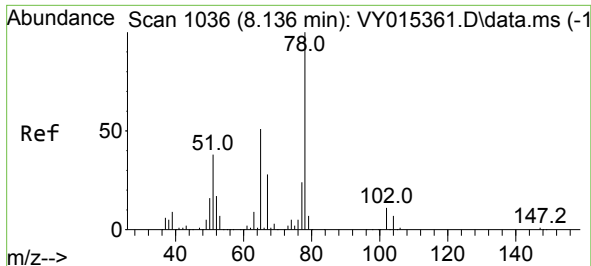
Tgt Ion:	84	Resp:	23843
Ion	Ratio	Lower	Upper
84	100		
49	122.1	106.9	160.3
51	37.2	33.2	49.8
86	66.7	51.0	76.6



#31
Cyclohexane
Concen: 1.475 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.006 min
Lab File: VY015651.D
Acq: 20 Sep 2023 12:11

Tgt Ion:	56	Resp:	2904
Ion	Ratio	Lower	Upper
56	100		
69	137.5	27.8	41.6#
84	127.0	66.4	99.6#





#33

1,2-Dichloroethane-d4

Concen: 57.281 ug/l

RT: 8.136 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY015651.D

Acq: 20 Sep 2023 12:11

Instrument :

MSVOA_Y

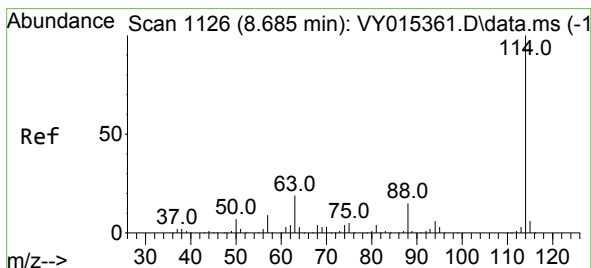
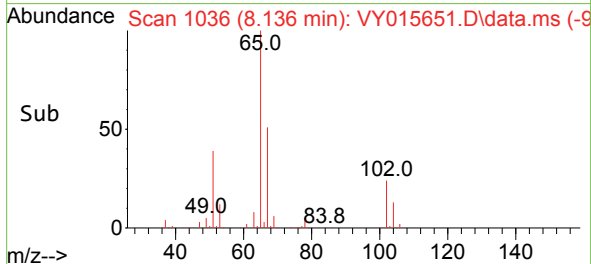
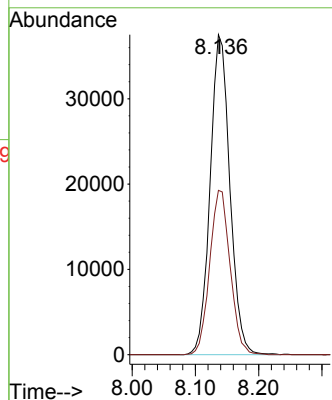
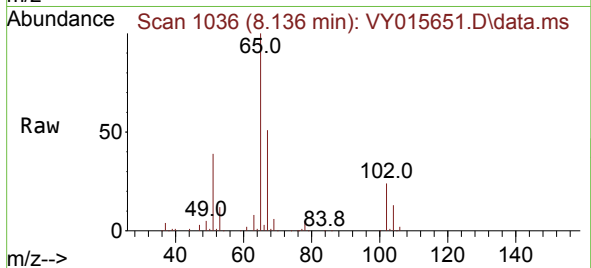
ClientSampleId :

Tgt Ion: 65 Resp: 81412

Ion Ratio Lower Upper

65 100

67 53.0 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: VY015651.D

Acq: 20 Sep 2023 12:11

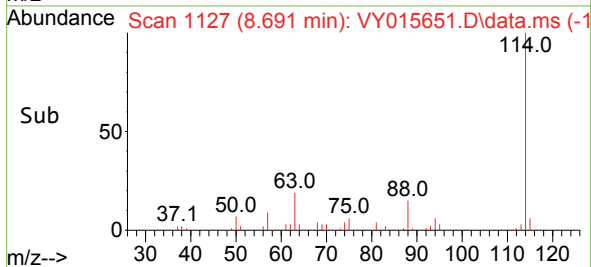
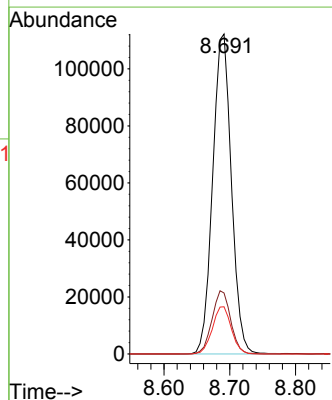
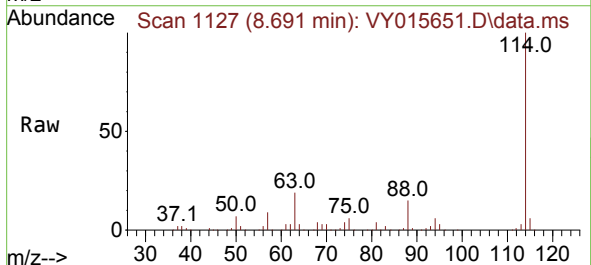
Tgt Ion: 114 Resp: 222282

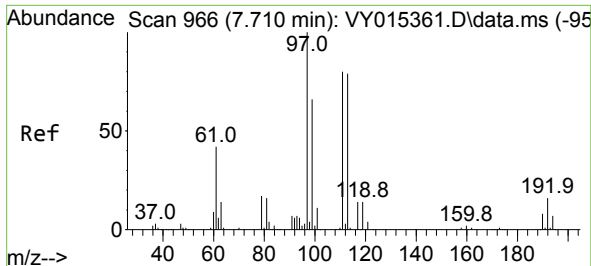
Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

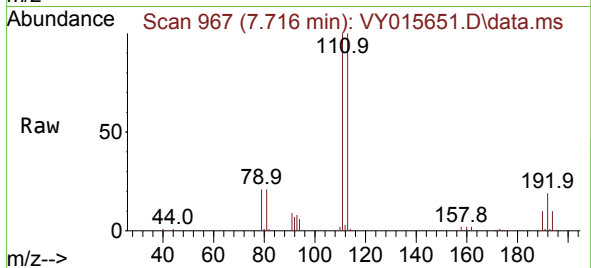
88 14.7 0.0 30.6



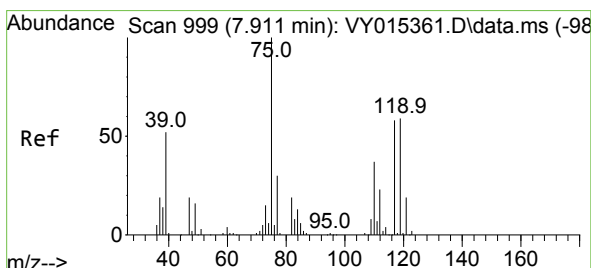
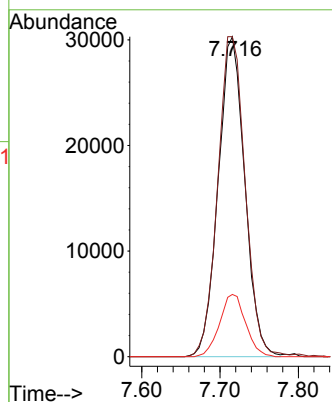
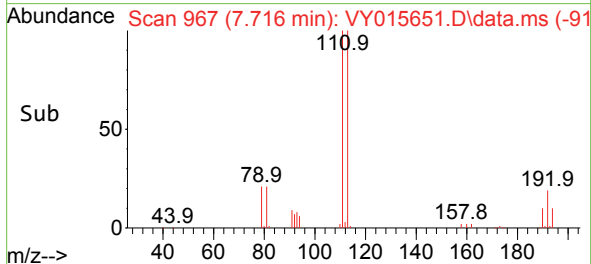


#35
Dibromofluoromethane
Concen: 53.628 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY015651.D
Acq: 20 Sep 2023 12:11

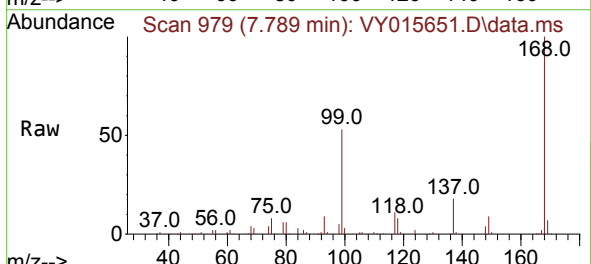
Instrument :
MSVOA_Y
ClientSampleId :



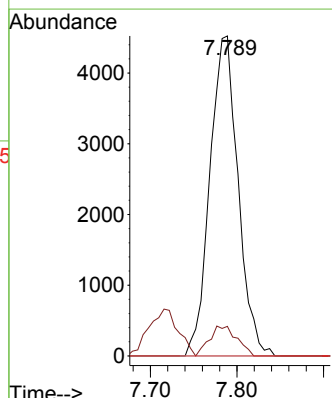
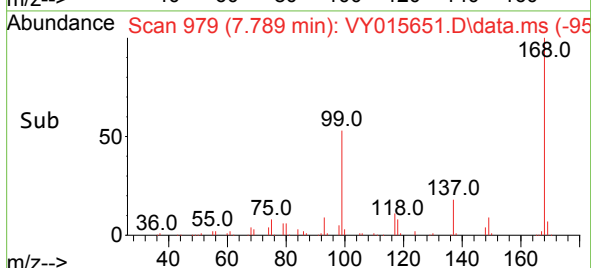
Tgt Ion:113 Resp: 71348
Ion Ratio Lower Upper
113 100
111 103.3 81.3 121.9
192 19.1 16.9 25.3

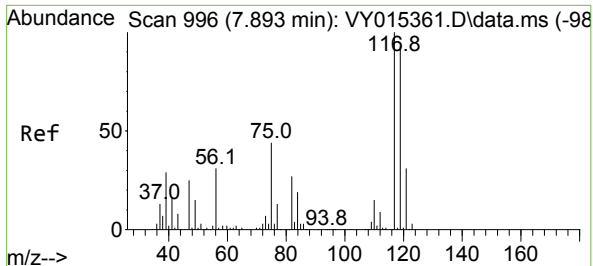


#36
1,1-Dichloropropene
Concen: 5.201 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY015651.D
Acq: 20 Sep 2023 12:11



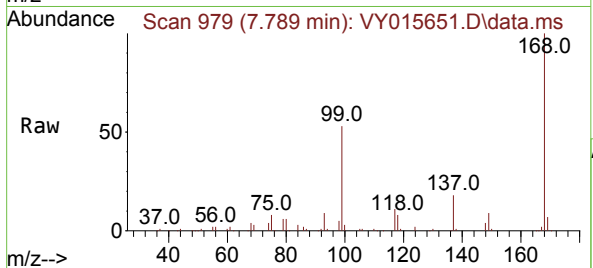
Tgt Ion: 75 Resp: 10232
Ion Ratio Lower Upper
75 100
110 9.1 17.8 53.5#
77 0.0 24.4 36.6#



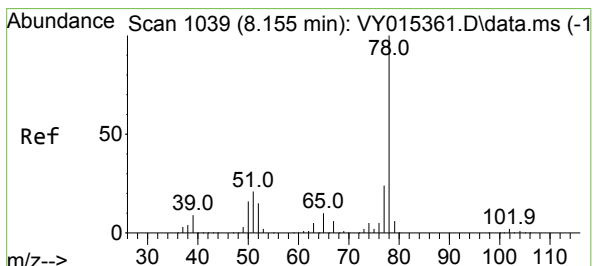
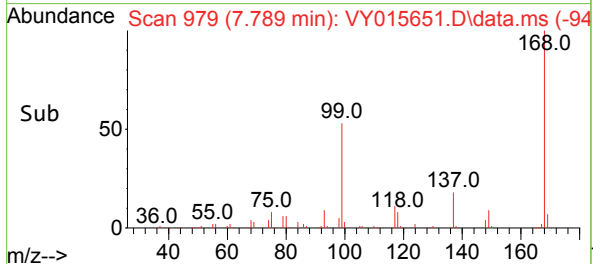
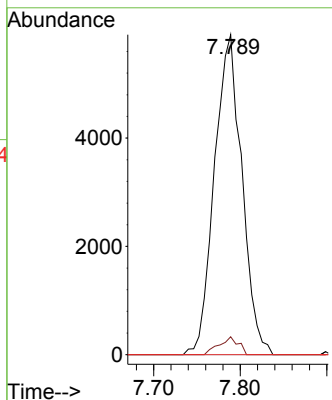


#38
Carbon Tetrachloride
Concen: 6.100 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY015651.D
Acq: 20 Sep 2023 12:11

Instrument :
MSVOA_Y
ClientSampleId :

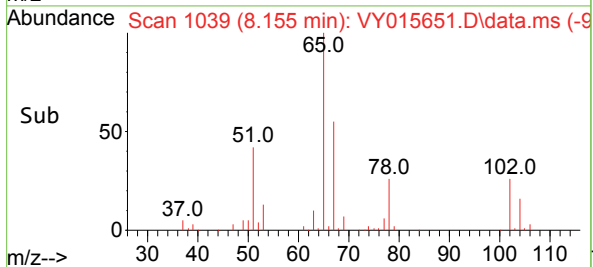
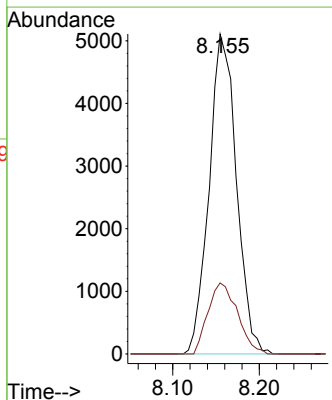
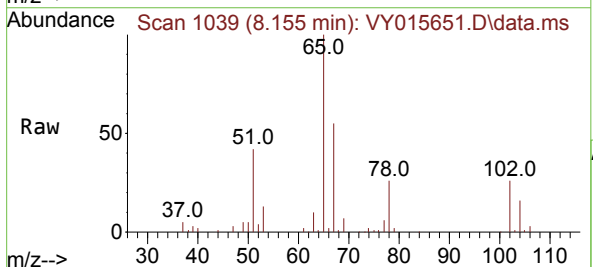


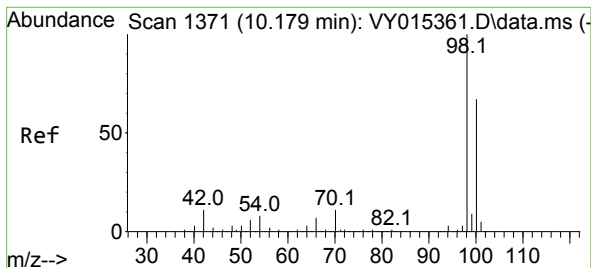
Tgt Ion:117 Resp: 13026
Ion Ratio Lower Upper
117 100
119 5.6 76.4 114.6#
121 0.0 25.8 38.6#



#40
Benzene
Concen: 1.866 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY015651.D
Acq: 20 Sep 2023 12:11

Tgt Ion: 78 Resp: 11196
Ion Ratio Lower Upper
78 100
77 22.2 19.0 28.6

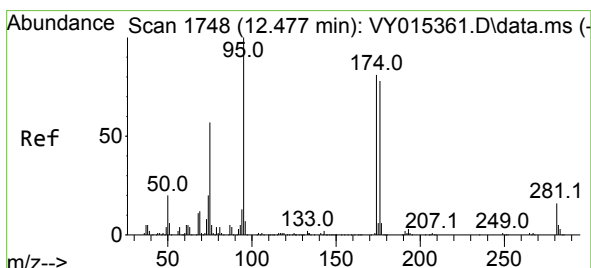
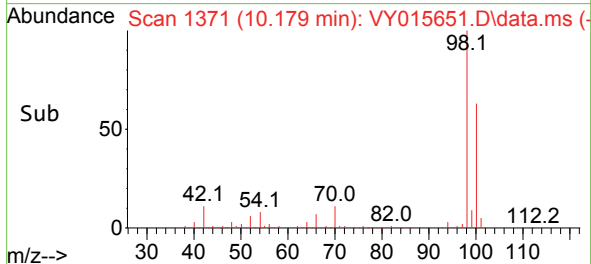
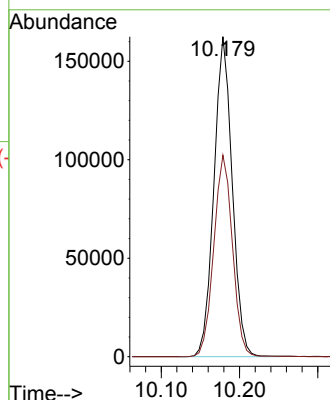
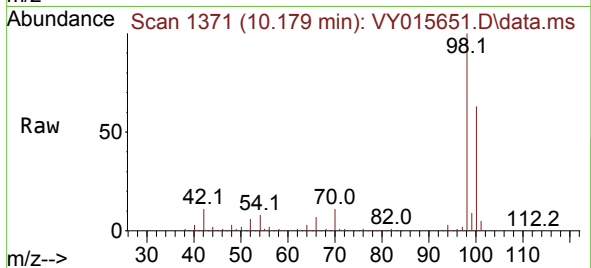




#50
Toluene-d8
Concen: 58.466 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015651.D
Acq: 20 Sep 2023 12:11

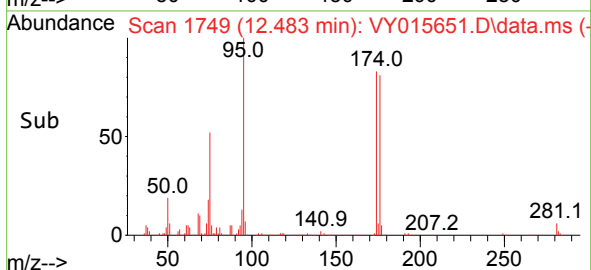
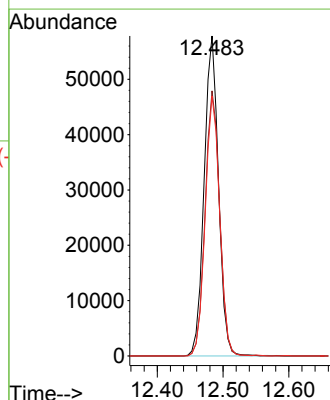
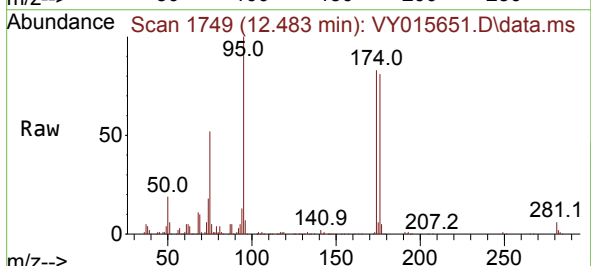
Instrument :
MSVOA_Y
ClientSampleId :

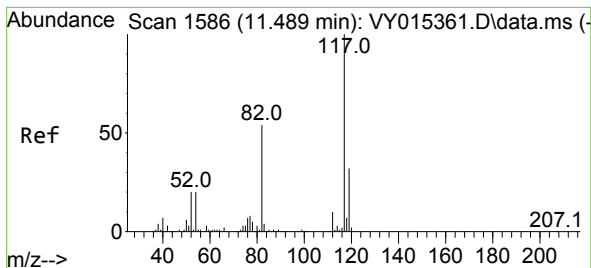
Tgt Ion: 98 Resp: 263742
Ion Ratio Lower Upper
98 100
100 64.3 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 49.459 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015651.D
Acq: 20 Sep 2023 12:11

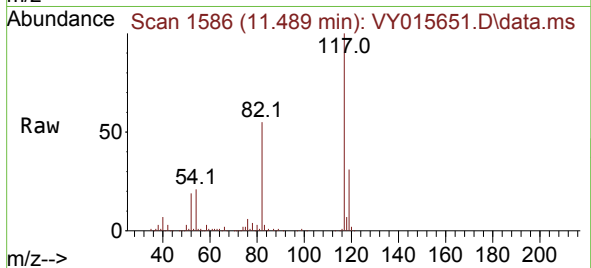
Tgt Ion: 95 Resp: 87557
Ion Ratio Lower Upper
95 100
174 84.4 0.0 178.2
176 82.1 0.0 173.8



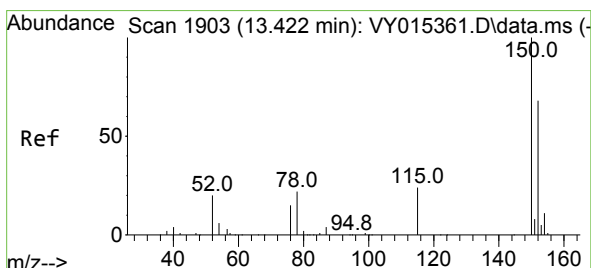
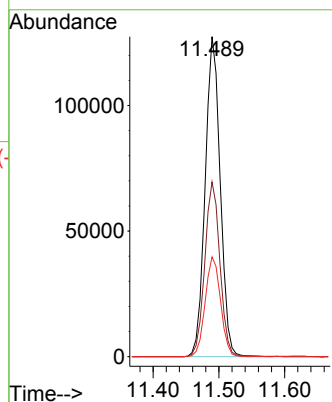
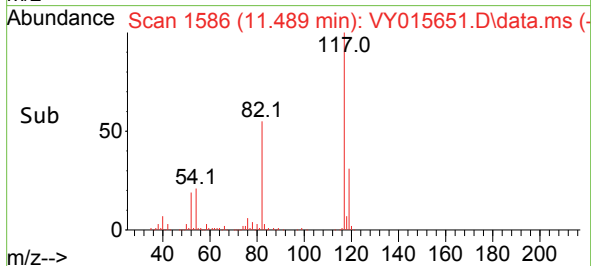


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015651.D
Acq: 20 Sep 2023 12:11

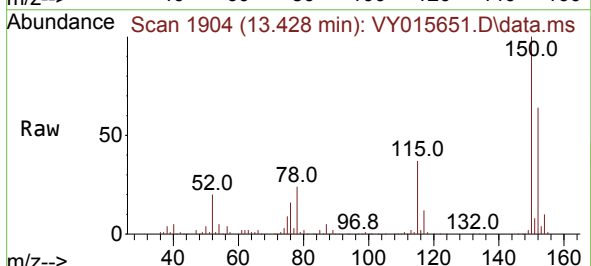
Instrument :
MSVOA_Y
ClientSampleId :



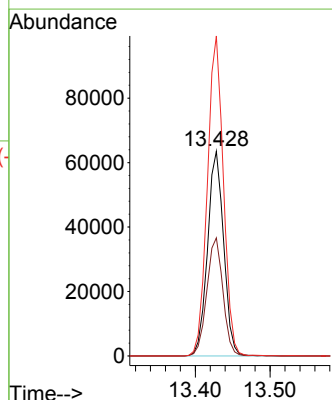
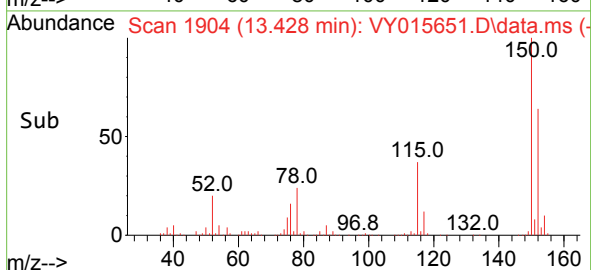
Tgt Ion:117 Resp: 202838
Ion Ratio Lower Upper
117 100
82 54.6 43.4 65.0
119 31.2 26.3 39.5

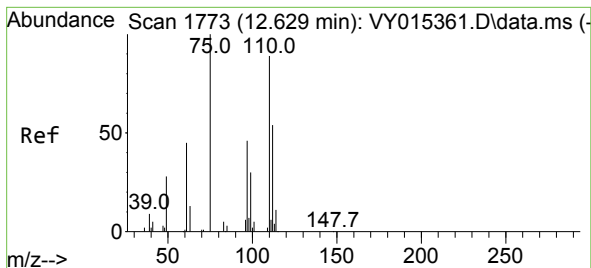


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015651.D
Acq: 20 Sep 2023 12:11



Tgt Ion:152 Resp: 95097
Ion Ratio Lower Upper
152 100
115 57.9 28.8 86.5
150 155.5 0.0 348.8

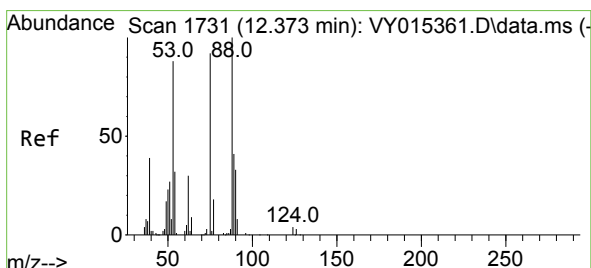
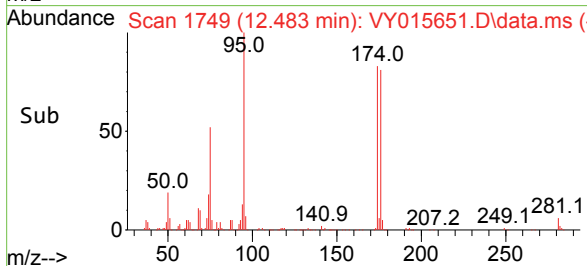
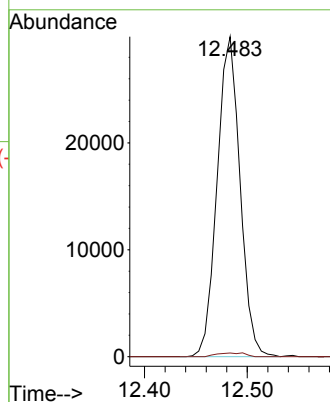
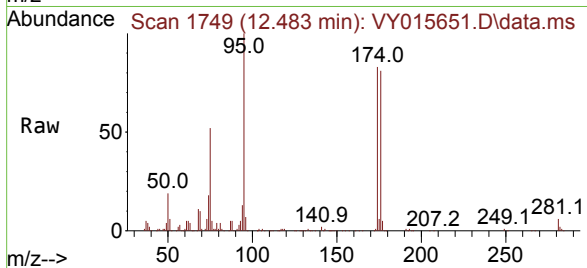




#76
1,2,3-Trichloropropane
Concen: 30.499 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY015651.D
Acq: 20 Sep 2023 12:11

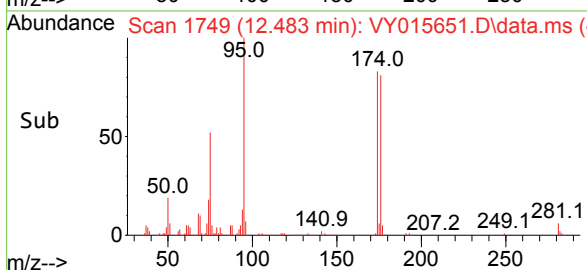
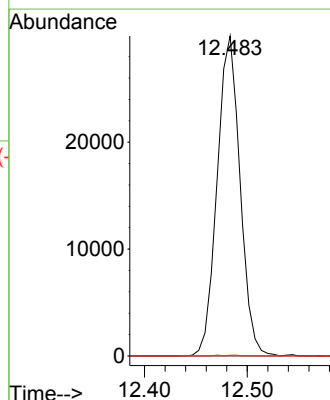
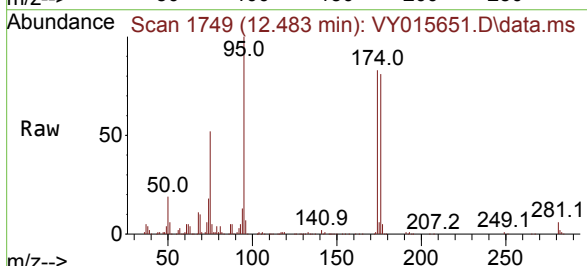
Instrument :
MSVOA_Y
ClientSampleId :

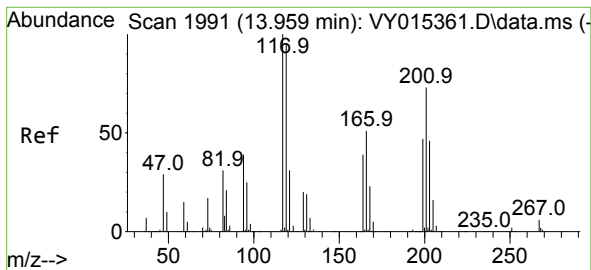
Tgt Ion: 75 Resp: 46271
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.682 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY015651.D
Acq: 20 Sep 2023 12:11

Tgt Ion: 75 Resp: 46271
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#





#90
 Hexachloroethane
 Concen: 8.074 ug/l
 RT: 14.087 min Scan# 20
 Delta R.T. 0.128 min
 Lab File: VY015651.D
 Acq: 20 Sep 2023 12:11

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion:117 Resp: 10189
 Ion Ratio Lower Upper
 117 100
 201 0.0 41.6 124.8#

