

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092023\
 Data File : VY015655.D
 Acq On : 20 Sep 2023 13:45
 Operator : SY/MD
 Sample : 04436-07RE
 Misc : 4.16g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 21 03:40:35 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)

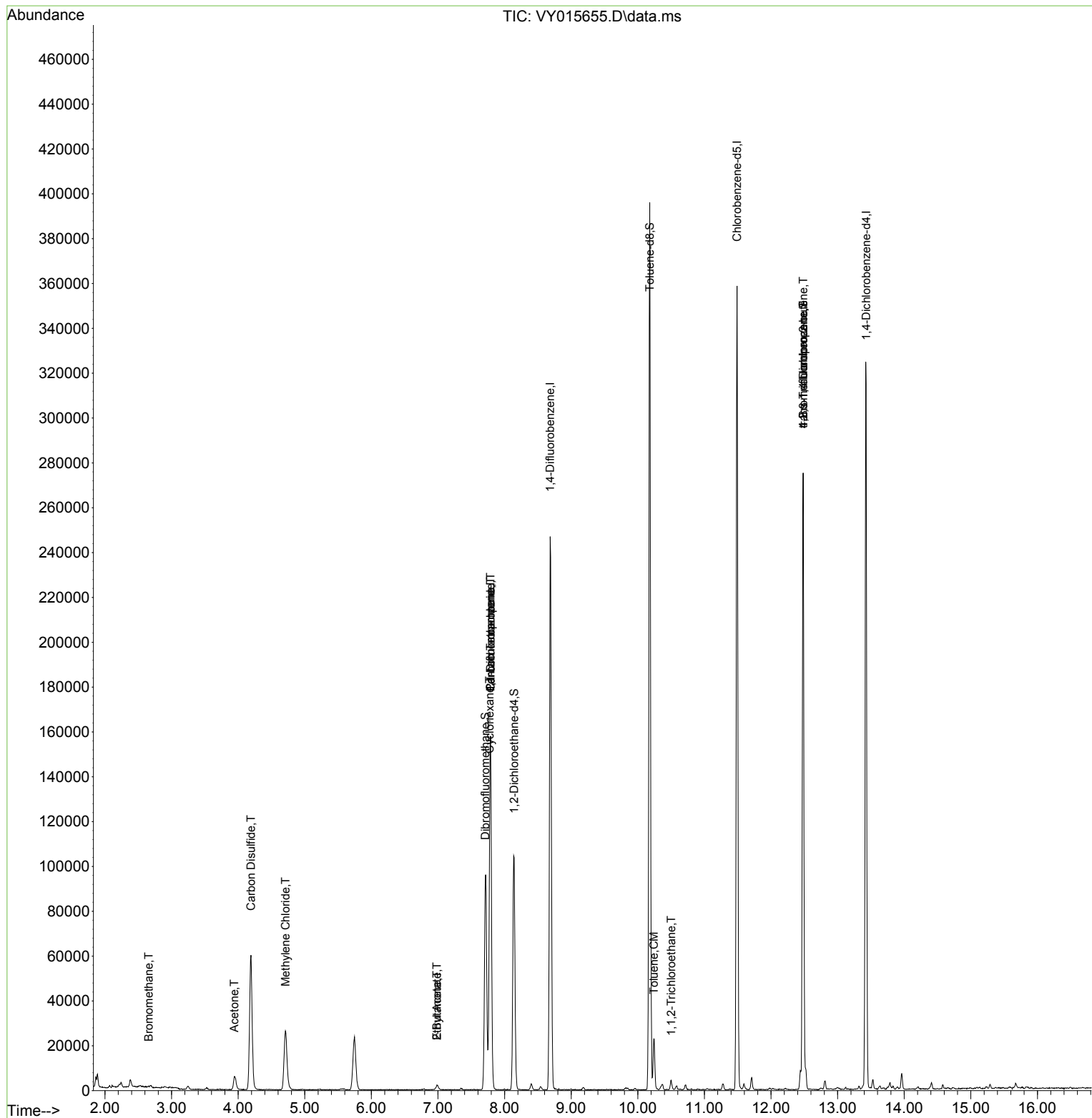
Internal Standards						
1) Pentafluorobenzene	7.789	168	123837	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	211556	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	191657	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	83144	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	81659	59.931	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.860%	
35) Dibromofluoromethane	7.710	113	68340	53.971	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.940%	
50) Toluene-d8	10.179	98	249672	58.153	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 116.300%	
62) 4-Bromofluorobenzene	12.483	95	81319	48.265	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.520%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.656	94	20	2.573	ug/l #	30
11) Tert butyl alcohol	4.954	59	361	Below Cal	#	89
16) Acetone	3.942	43	10936	14.998	ug/l	92
17) Carbon Disulfide	4.192	76	121610	57.458	ug/l	98
20) Methylene Chloride	4.710	84	19792	8.364	ug/l	91
25) 2-Butanone	6.984	43	2981	2.892	ug/l	100
31) Cyclohexane	7.777	56	2750	1.457	ug/l #	20
36) 1,1-Dichloropropene	7.789	75	9554	5.103	ug/l #	51
37) Ethyl Acetate	6.984	43	2981	1.596	ug/l #	71
38) Carbon Tetrachloride	7.789	117	12331	6.068	ug/l #	16
52) Toluene	10.240	92	9363	2.544	ug/l	98
55) 1,1,2-Trichloroethane	10.502	97	3118	2.089	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	43242	32.600	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	43242	73.413	ug/l #	10

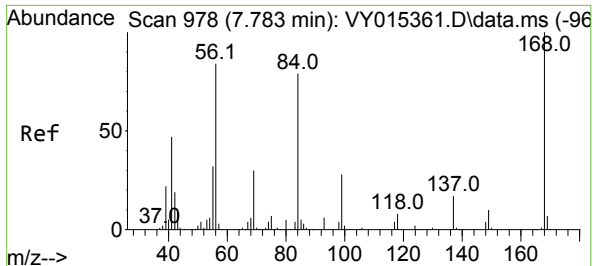
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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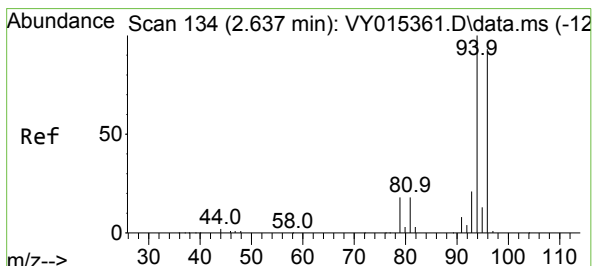
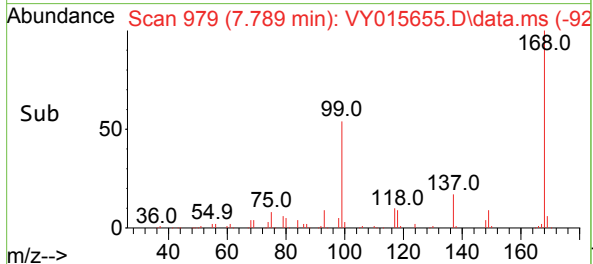
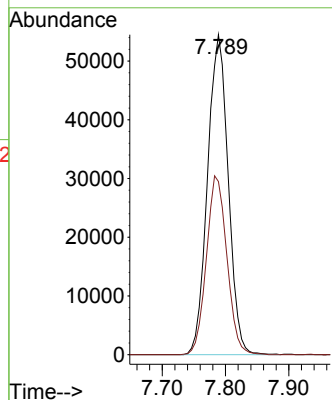
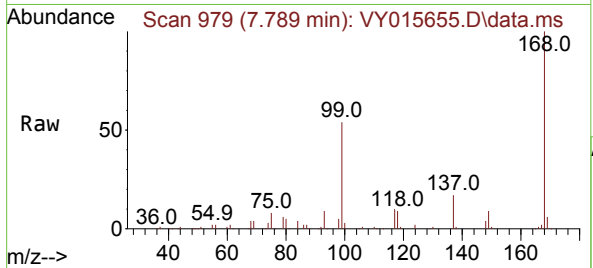




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015655.D
Acq: 20 Sep 2023 13:45

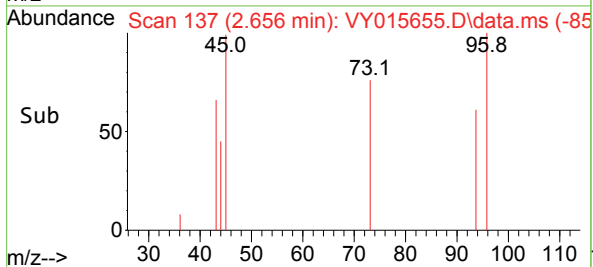
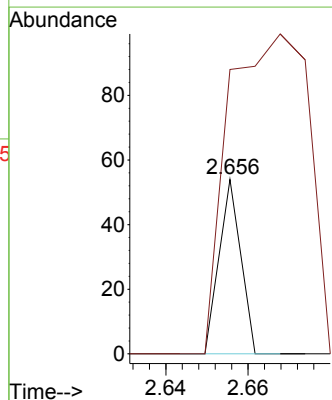
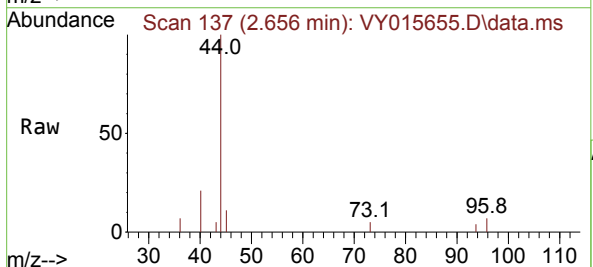
Instrument :
MSVOA_Y
ClientSampleId :

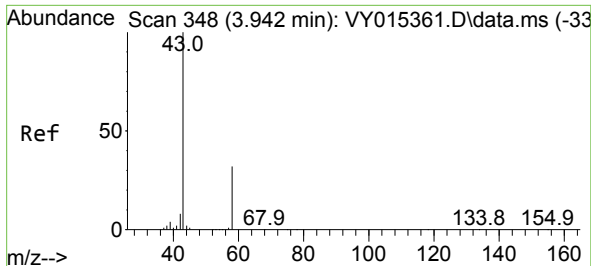
Tgt Ion:168 Resp: 123837
Ion Ratio Lower Upper
168 100
99 54.1 43.4 65.0



#5
Bromomethane
Concen: 2.573 ug/l
RT: 2.656 min Scan# 137
Delta R.T. 0.019 min
Lab File: VY015655.D
Acq: 20 Sep 2023 13:45

Tgt Ion: 94 Resp: 20
Ion Ratio Lower Upper
94 100
96 163.0 75.8 113.6#

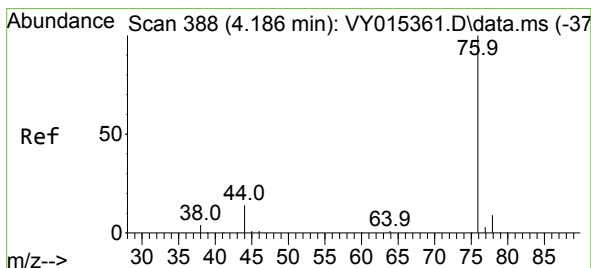
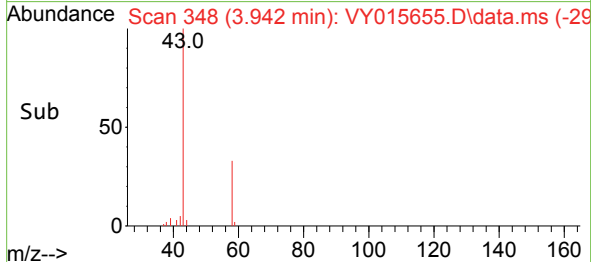
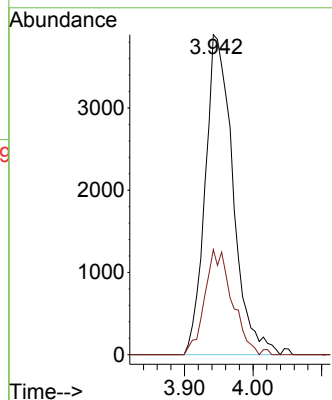
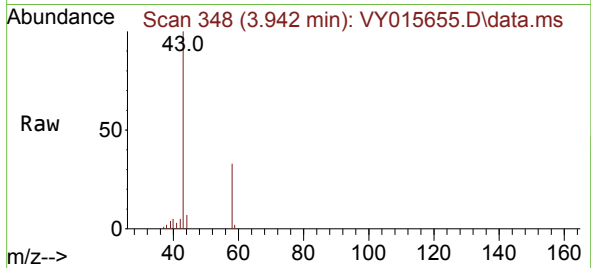




#16
Acetone
Concen: 14.998 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY015655.D
Acq: 20 Sep 2023 13:45

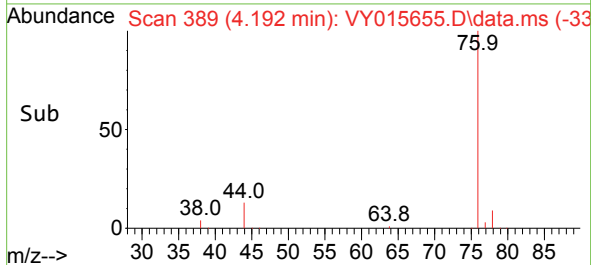
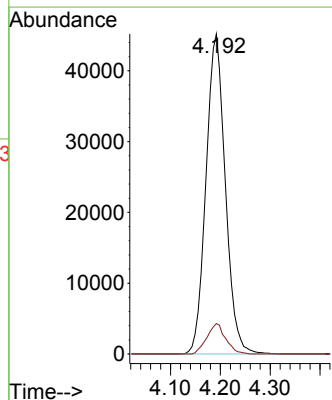
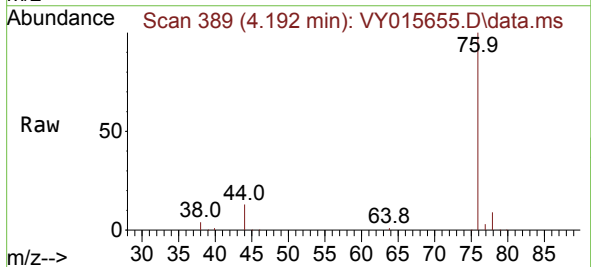
Instrument :
MSVOA_Y
ClientSampleId :

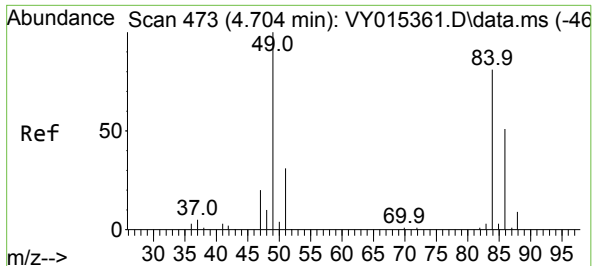
Tgt Ion: 43 Resp: 10936
Ion Ratio Lower Upper
43 100
58 32.8 22.7 34.1



#17
Carbon Disulfide
Concen: 57.458 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.006 min
Lab File: VY015655.D
Acq: 20 Sep 2023 13:45

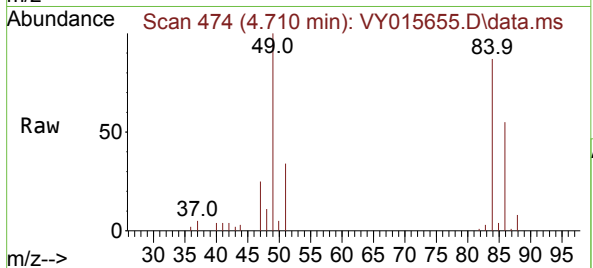
Tgt Ion: 76 Resp: 121610
Ion Ratio Lower Upper
76 100
78 9.5 7.0 10.4



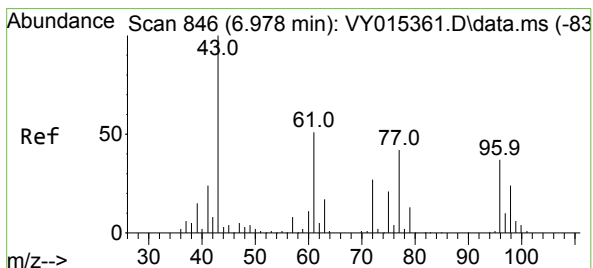
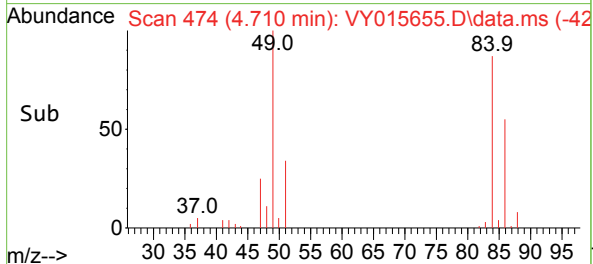
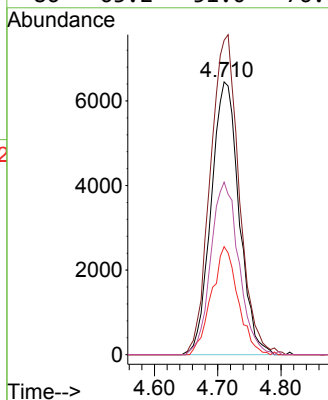


#20
Methylene Chloride
Concen: 8.364 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY015655.D
Acq: 20 Sep 2023 13:45

Instrument :
MSVOA_Y
ClientSampleId :

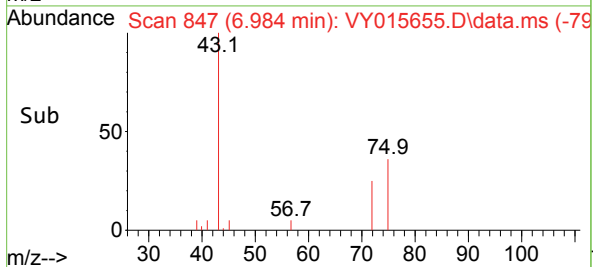
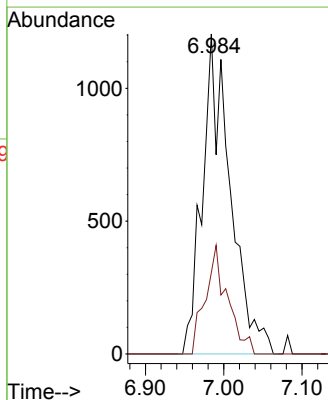
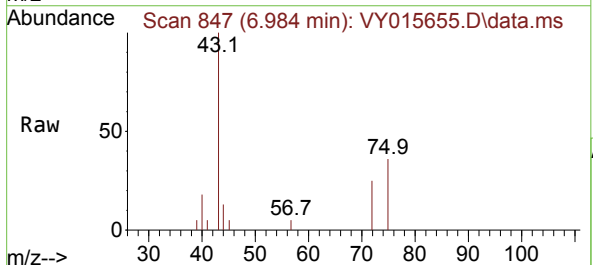


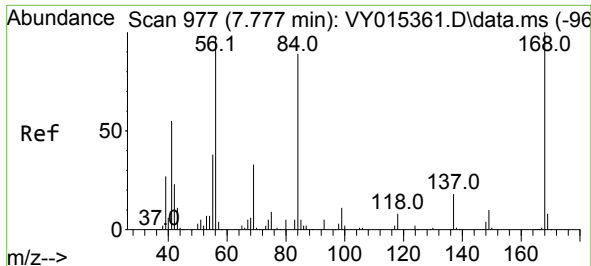
Tgt Ion:	84	Resp:	19792
Ion	Ratio	Lower	Upper
84	100		
49	115.2	106.9	160.3
51	39.6	33.2	49.8
86	63.2	51.0	76.6



#25
2-Butanone
Concen: 2.892 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY015655.D
Acq: 20 Sep 2023 13:45

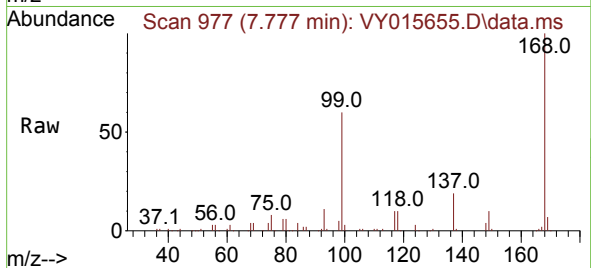
Tgt Ion:	43	Resp:	2981
Ion	Ratio	Lower	Upper
43	100		
72	25.4	20.5	30.7



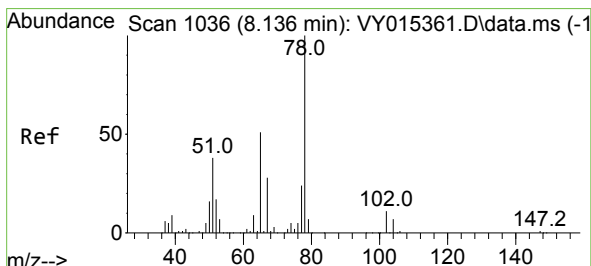
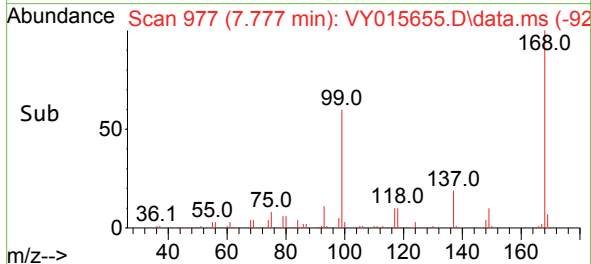
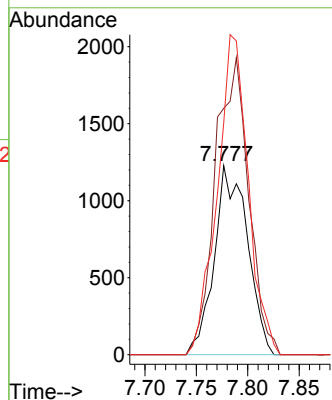


#31
Cyclohexane
Concen: 1.457 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015655.D
Acq: 20 Sep 2023 13:45

Instrument :
MSVOA_Y
ClientSampleId :

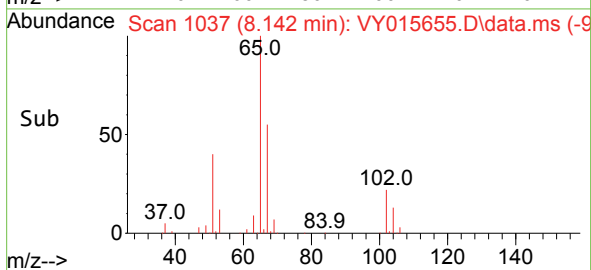
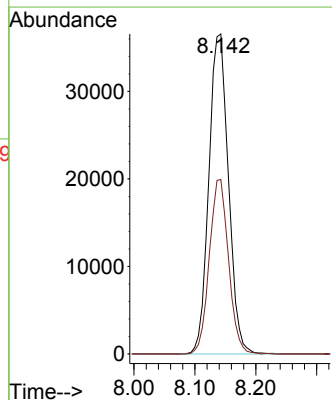
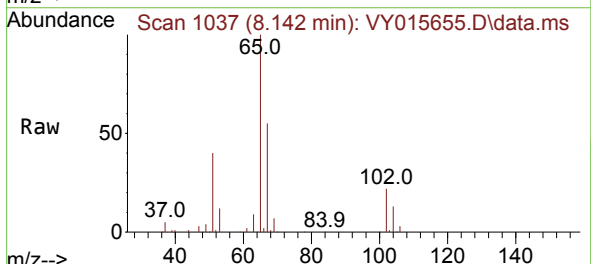


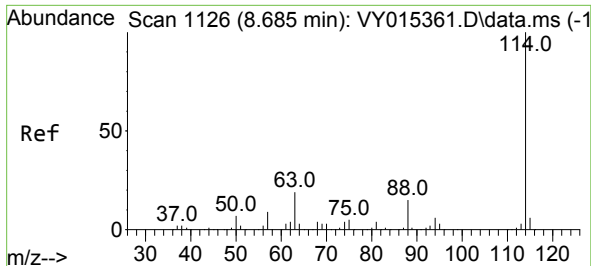
Tgt Ion: 56 Resp: 2750
Ion Ratio Lower Upper
56 100
69 130.4 27.8 41.6#
84 122.6 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 59.931 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY015655.D
Acq: 20 Sep 2023 13:45

Tgt Ion: 65 Resp: 81659
Ion Ratio Lower Upper
65 100
67 53.4 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY015655.D

Acq: 20 Sep 2023 13:45

Instrument :

MSVOA_Y

ClientSampleId :

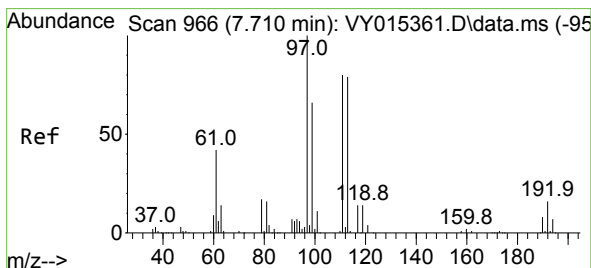
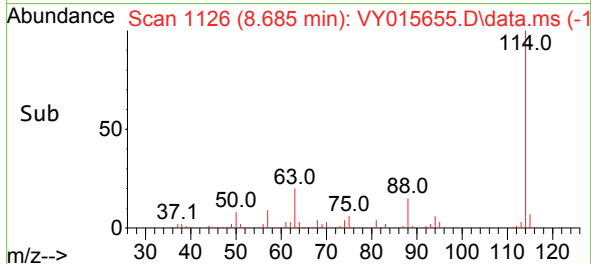
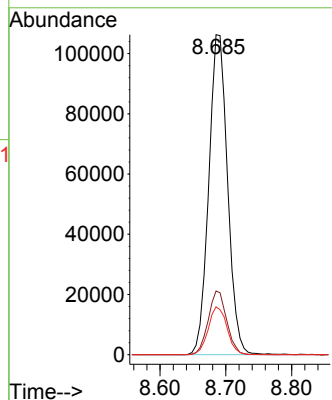
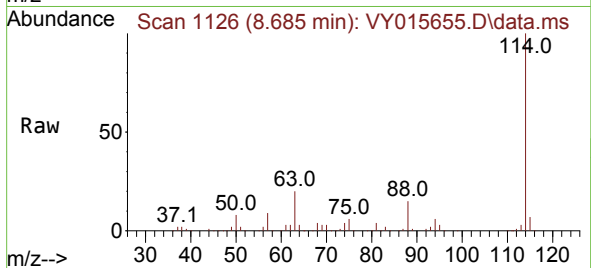
Tgt Ion:114 Resp: 211556

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.971 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY015655.D

Acq: 20 Sep 2023 13:45

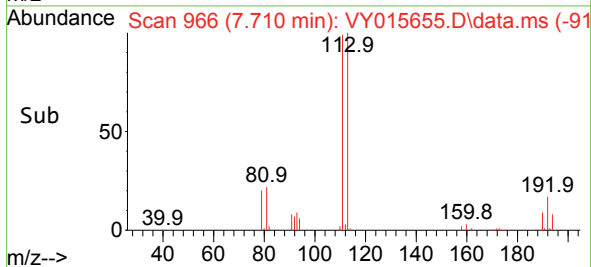
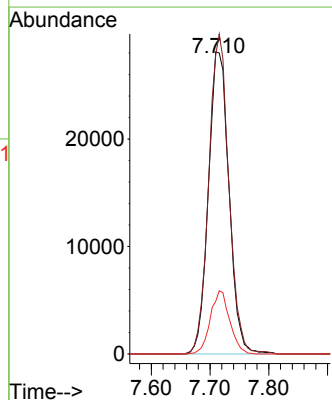
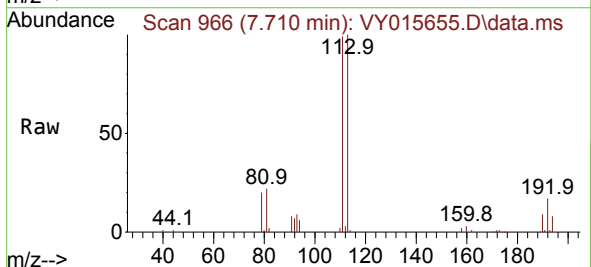
Tgt Ion:113 Resp: 68340

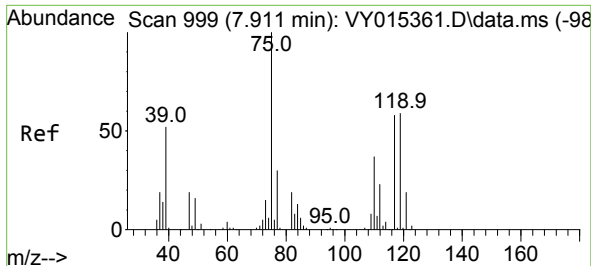
Ion Ratio Lower Upper

113 100

111 103.5 81.3 121.9

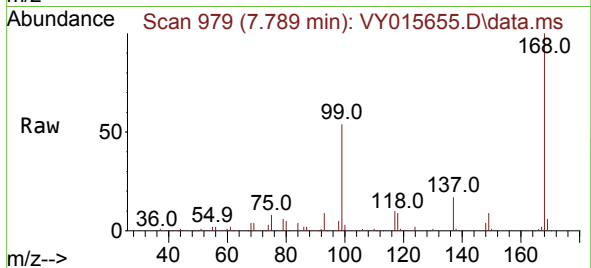
192 19.7 16.9 25.3



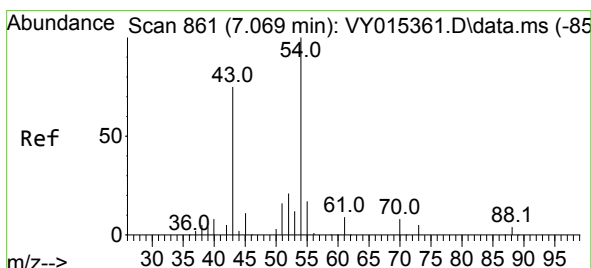
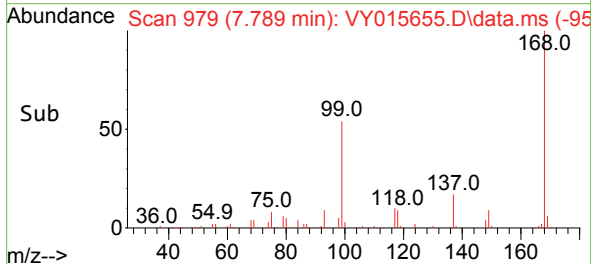
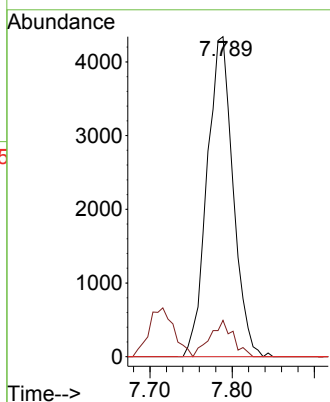


#36
1,1-Dichloropropene
Concen: 5.103 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY015655.D
Acq: 20 Sep 2023 13:45

Instrument :
MSVOA_Y
ClientSampleId :

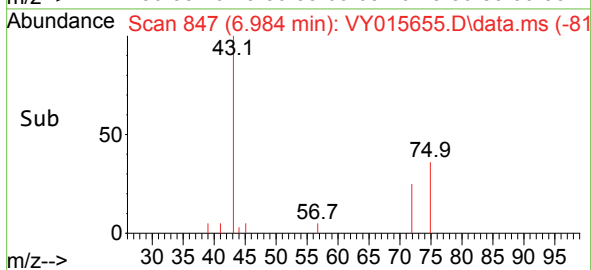
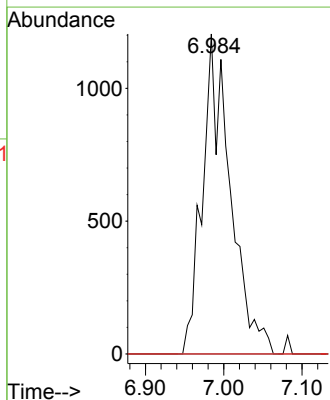
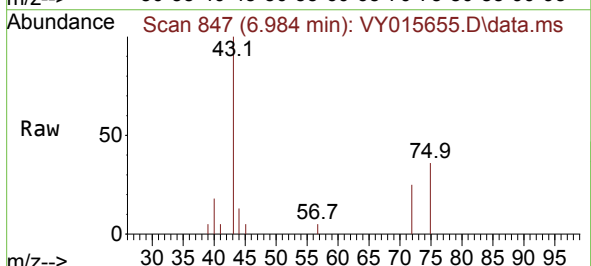


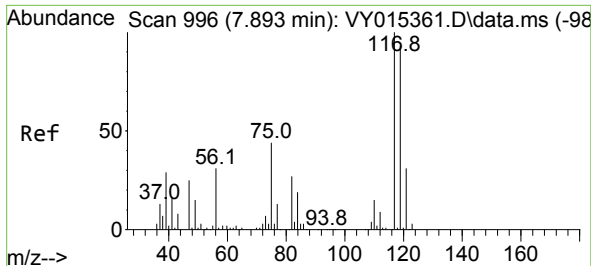
Tgt Ion: 75 Resp: 9554
Ion Ratio Lower Upper
75 100
110 10.0 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.596 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.079 min
Lab File: VY015655.D
Acq: 20 Sep 2023 13:45

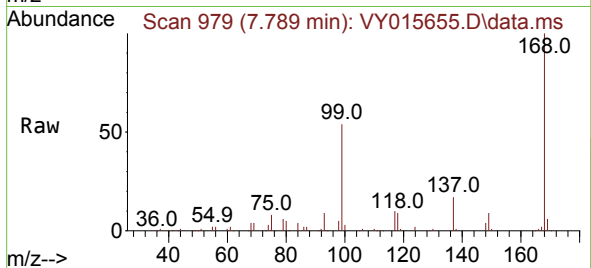
Tgt Ion: 43 Resp: 2981
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 7.1 10.7#



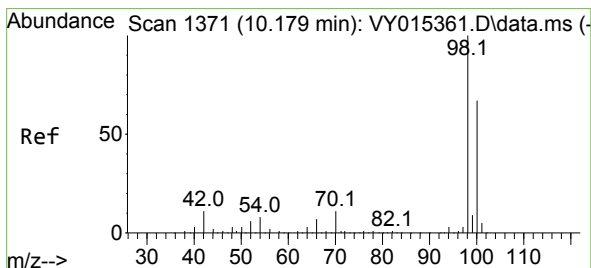
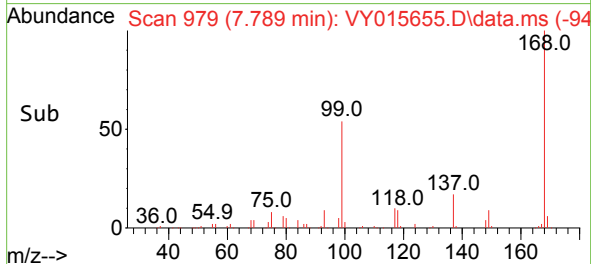
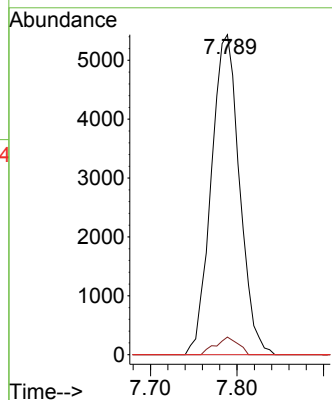


#38
Carbon Tetrachloride
Concen: 6.068 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY015655.D
Acq: 20 Sep 2023 13:45

Instrument :
MSVOA_Y
ClientSampleId :

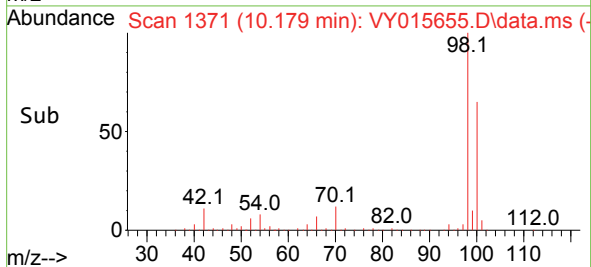
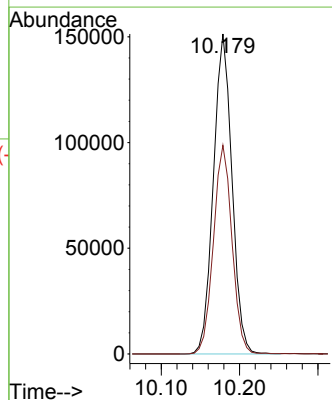
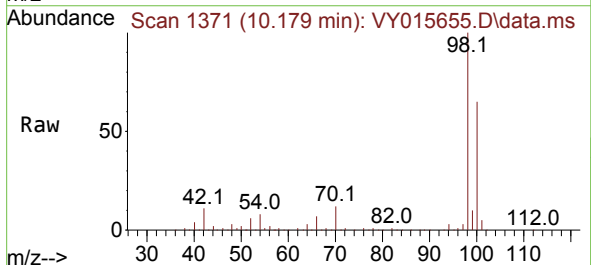


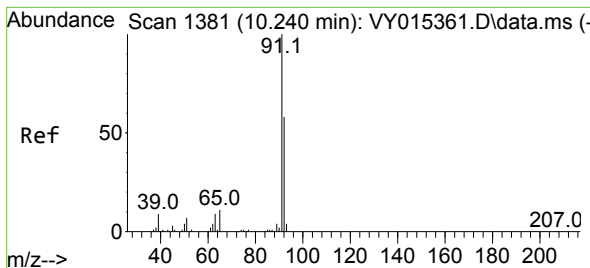
Tgt Ion:117 Resp: 12331
Ion Ratio Lower Upper
117 100
119 5.5 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 58.153 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015655.D
Acq: 20 Sep 2023 13:45

Tgt Ion: 98 Resp: 249672
Ion Ratio Lower Upper
98 100
100 65.2 50.1 75.1





#52

Toluene

Concen: 2.544 ug/l

RT: 10.240 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY015655.D

Acq: 20 Sep 2023 13:45

Instrument :

MSVOA_Y

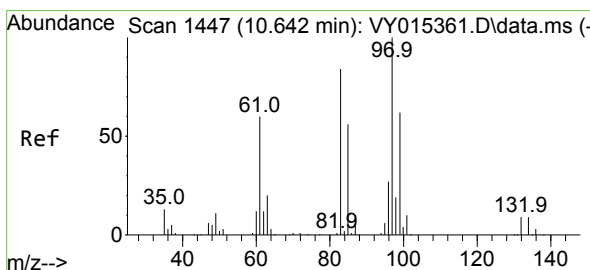
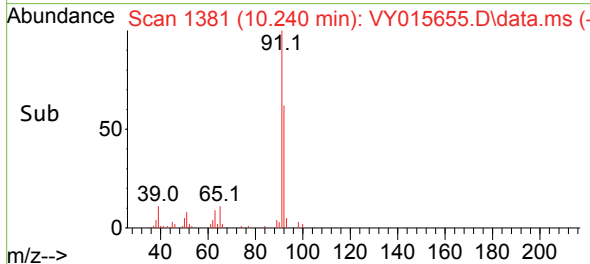
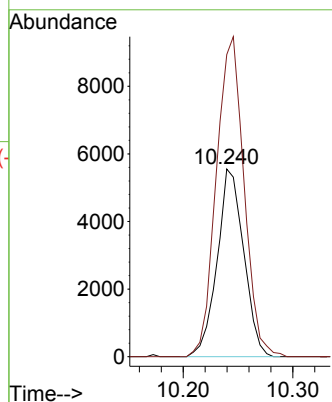
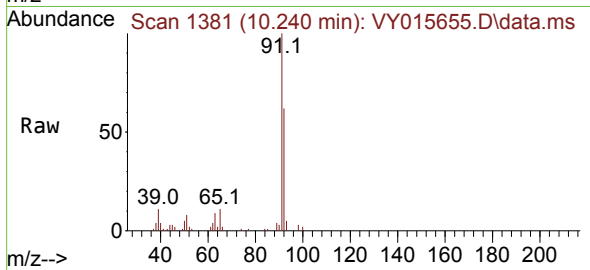
ClientSampleId :

Tgt Ion: 92 Resp: 9363

Ion Ratio Lower Upper

92 100

91 177.4 143.8 215.6



#55

1,1,2-Trichloroethane

Concen: 2.089 ug/l

RT: 10.502 min Scan# 1424

Delta R.T. -0.140 min

Lab File: VY015655.D

Acq: 20 Sep 2023 13:45

Tgt Ion: 97 Resp: 3118

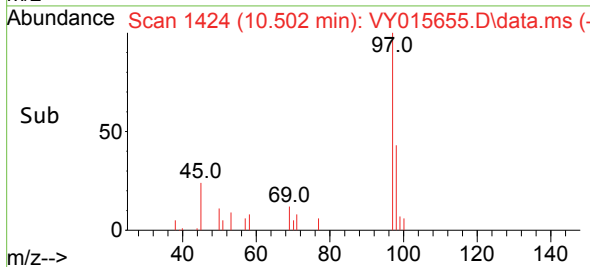
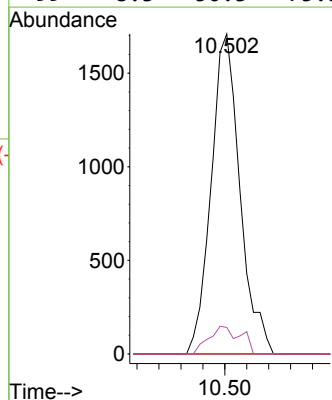
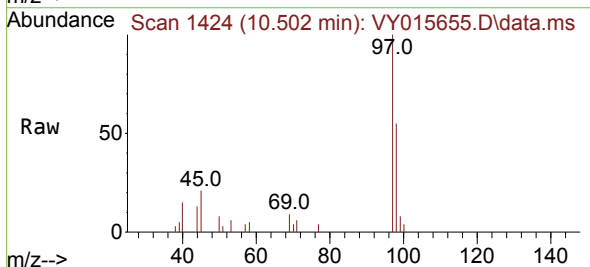
Ion Ratio Lower Upper

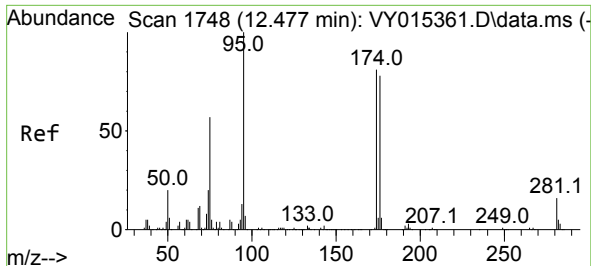
97 100

83 0.0 72.0 108.0#

85 0.0 45.4 68.0#

99 8.3 50.3 75.5#

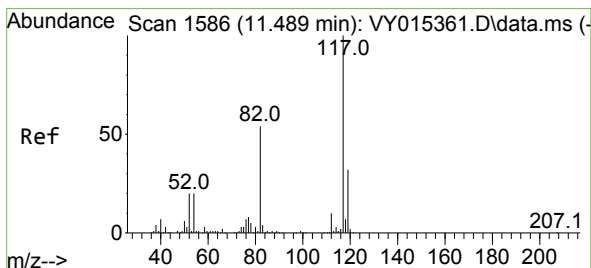
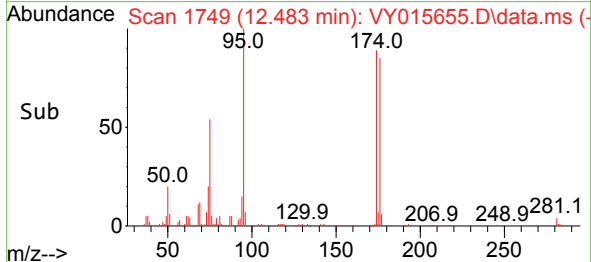
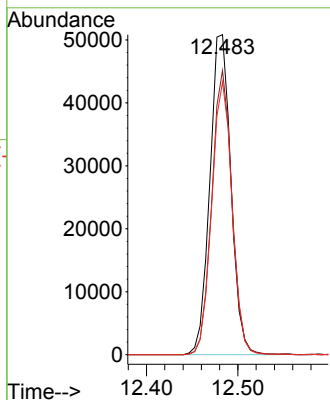
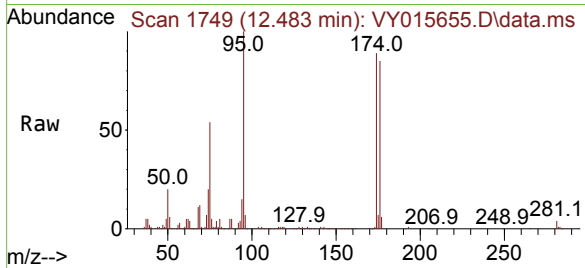




#62
4-Bromofluorobenzene
Concen: 48.265 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015655.D
Acq: 20 Sep 2023 13:45

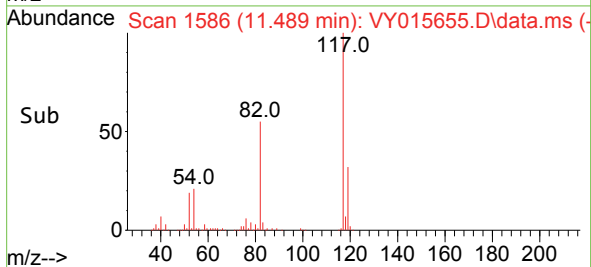
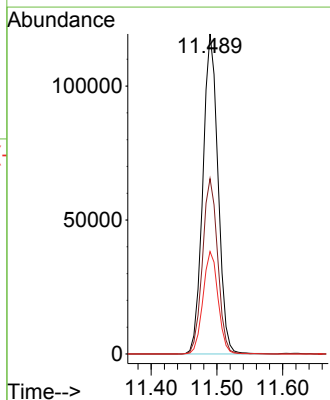
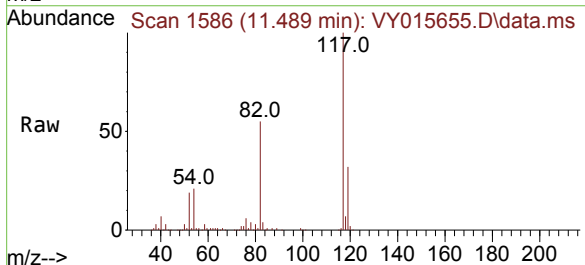
Instrument :
MSVOA_Y
ClientSampleId :

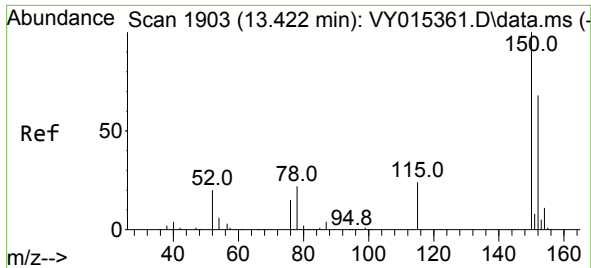
Tgt Ion: 95 Resp: 81319
Ion Ratio Lower Upper
95 100
174 85.1 0.0 178.2
176 82.5 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015655.D
Acq: 20 Sep 2023 13:45

Tgt Ion: 117 Resp: 191657
Ion Ratio Lower Upper
117 100
82 54.8 43.4 65.0
119 32.0 26.3 39.5

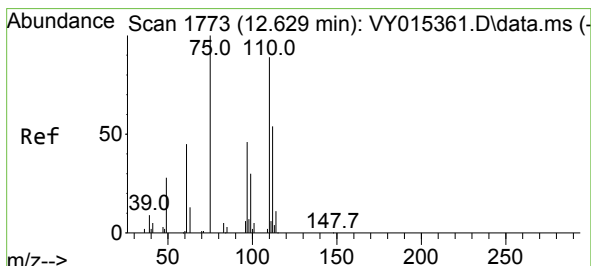
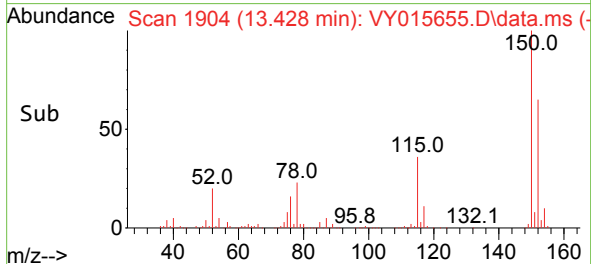
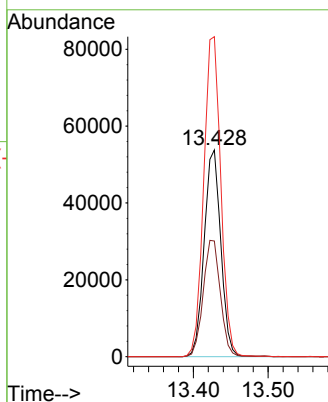
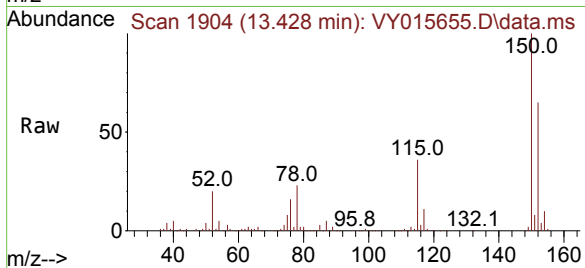




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY015655.D
 Acq: 20 Sep 2023 13:45

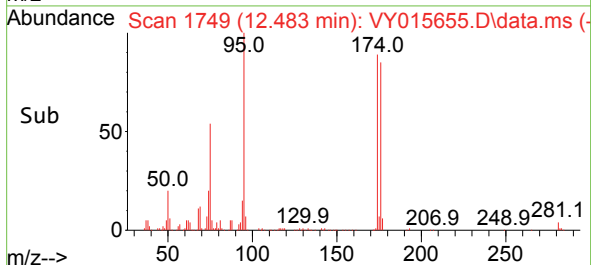
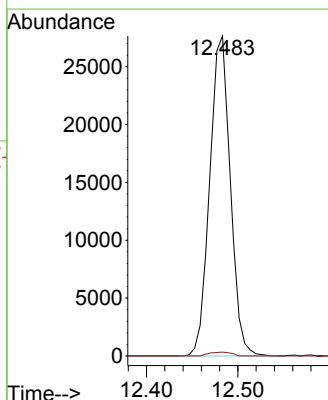
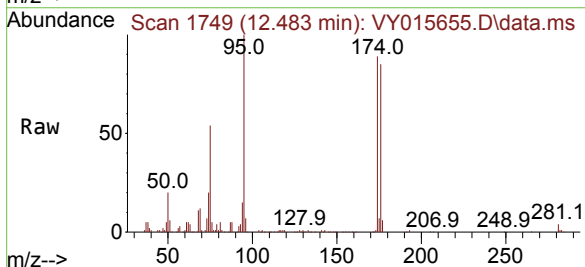
Instrument :
 MSVOA_Y
 ClientSampleId :

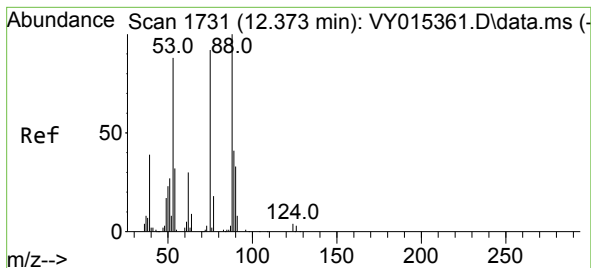
Tgt Ion:152 Resp: 83144
 Ion Ratio Lower Upper
 152 100
 115 58.0 28.8 86.5
 150 158.9 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 32.600 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.146 min
 Lab File: VY015655.D
 Acq: 20 Sep 2023 13:45

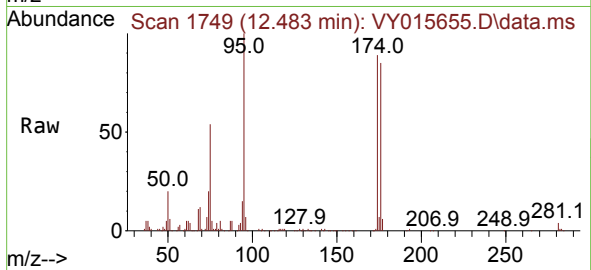
Tgt Ion: 75 Resp: 43242
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.413 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY015655.D
 Acq: 20 Sep 2023 13:45

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 43242
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

