

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092023\
 Data File : VY015660.D
 Acq On : 20 Sep 2023 15:42
 Operator : SY/MD
 Sample : 04512-02
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 21 03:42:32 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)

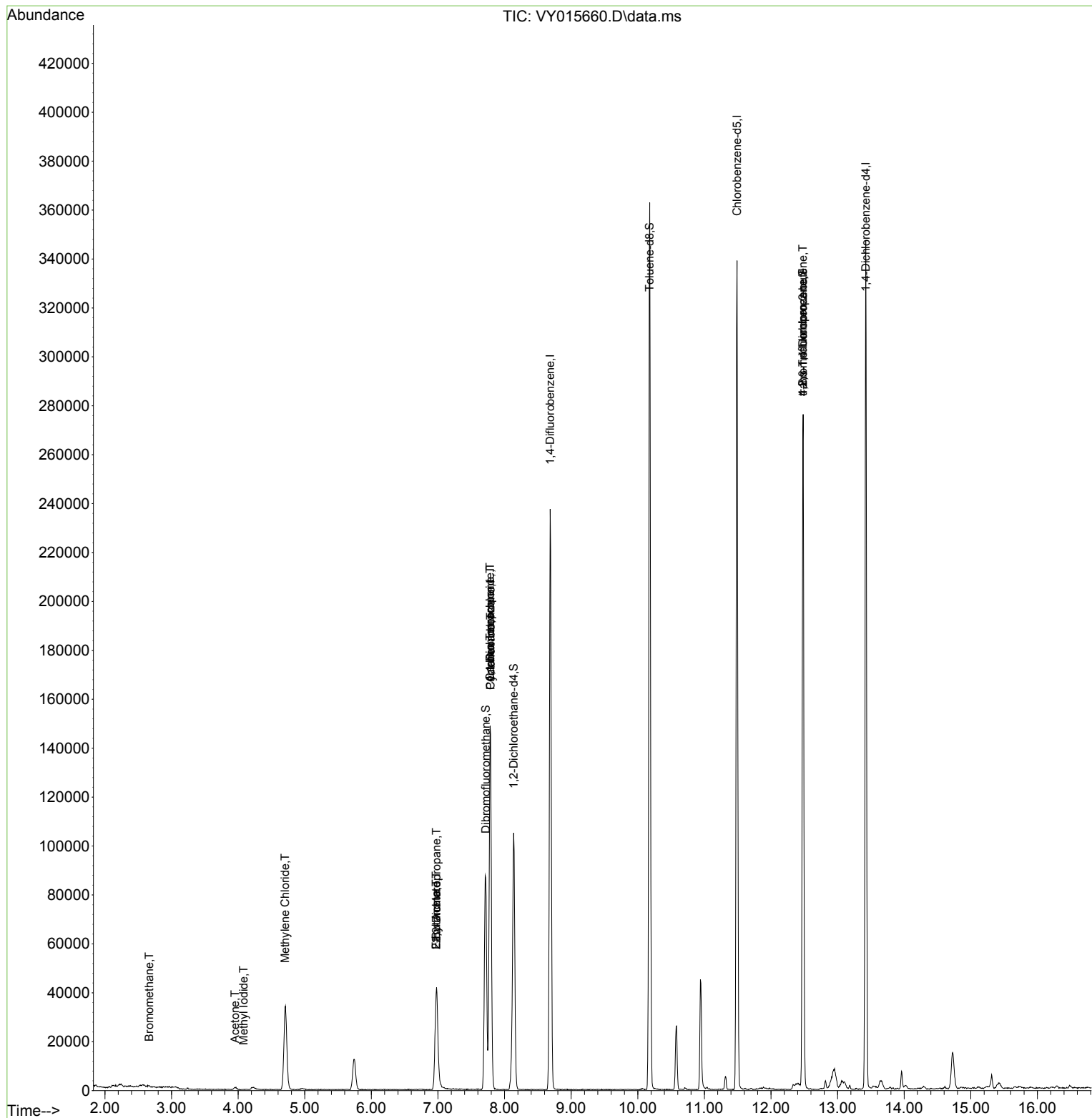
Internal Standards						
1) Pentafluorobenzene	7.789	168	116176	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	202610	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	185087	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	85336	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	76476	59.828	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.660%	
35) Dibromofluoromethane	7.716	113	64763	53.404	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.800%	
50) Toluene-d8	10.179	98	237692	57.807	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 115.620%	
62) 4-Bromofluorobenzene	12.477	95	79007	48.963	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.920%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	117	2.658	ug/l #	2
10) Methyl Iodide	4.082	142	21	2.743	ug/l #	38
11) Tert butyl alcohol	4.966	59	1269	Below Cal	#	89
16) Acetone	3.954	43	1723	2.519	ug/l	97
20) Methylene Chloride	4.704	84	25420	13.428	ug/l	94
25) 2-Butanone	6.972	43	2225	2.301	ug/l #	87
26) 2,2-Dichloropropane	6.978	77	3064	1.368	ug/l #	54
31) Cyclohexane	7.789	56	2468	1.394	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	9822	5.478	ug/l #	49
37) Ethyl Acetate	6.972	43	2225	1.244	ug/l #	1
38) Carbon Tetrachloride	7.783	117	11987	6.159	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	43303	31.808	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	43303	71.628	ug/l #	11

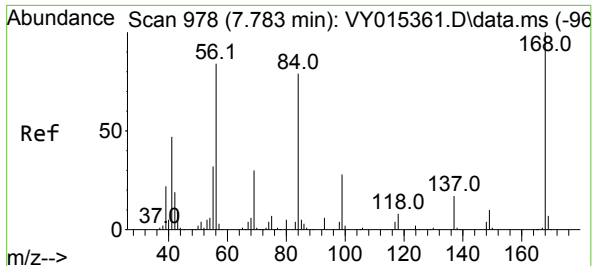
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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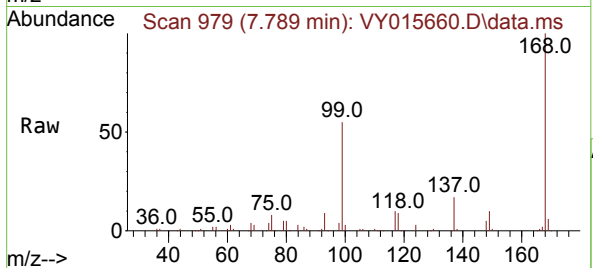
Quant Time: Sep 21 03:42:32 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 20 01:39:40 2023
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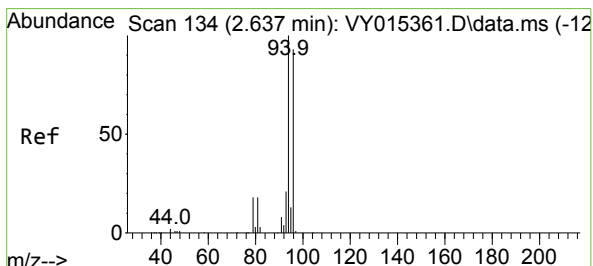
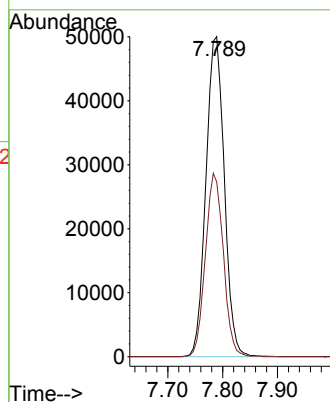
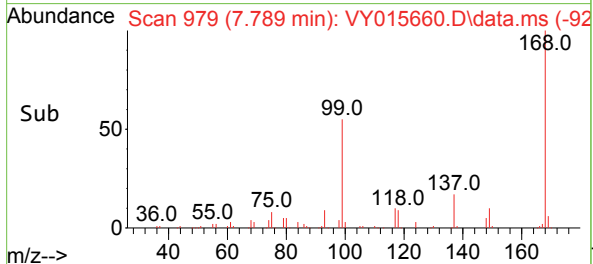


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015660.D
Acq: 20 Sep 2023 15:42

Instrument :
MSVOA_Y
ClientSampleId :

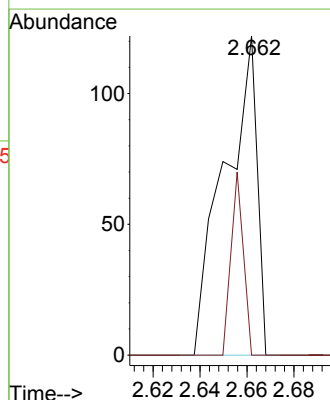
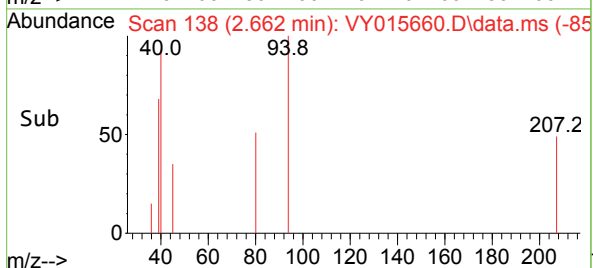
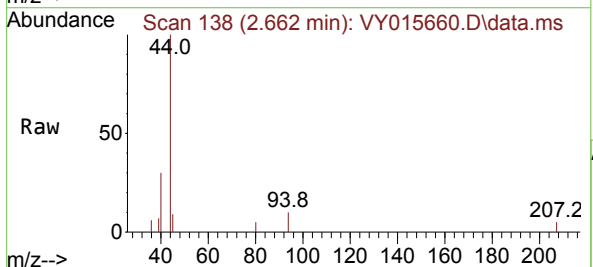


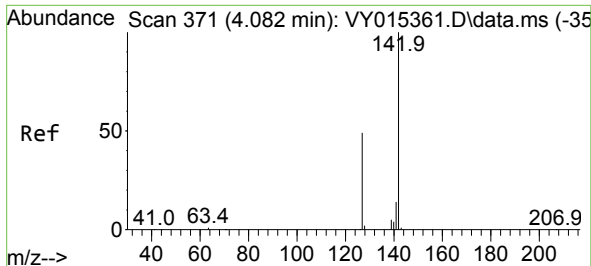
Tgt Ion:168 Resp: 116176
Ion Ratio Lower Upper
168 100
99 54.6 43.4 65.0



#5
Bromomethane
Concen: 2.658 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.025 min
Lab File: VY015660.D
Acq: 20 Sep 2023 15:42

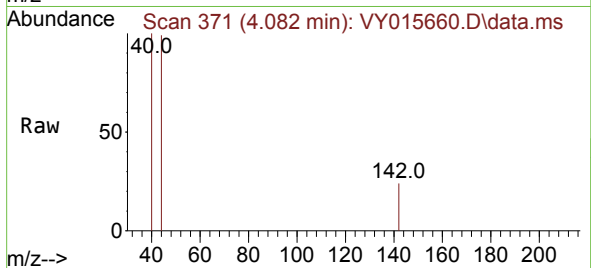
Tgt Ion: 94 Resp: 117
Ion Ratio Lower Upper
94 100
96 0.0 75.8 113.6#



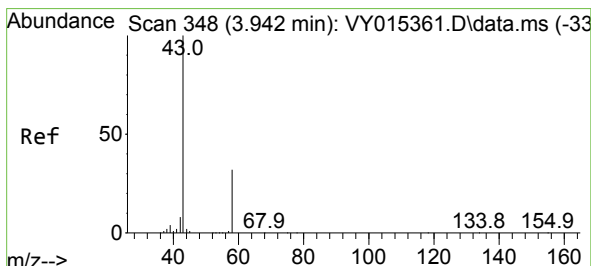
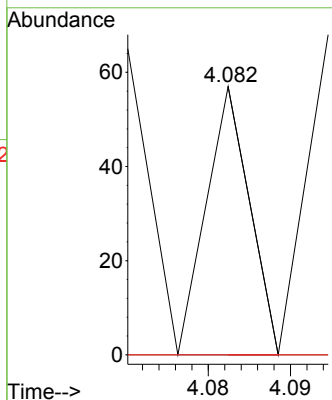
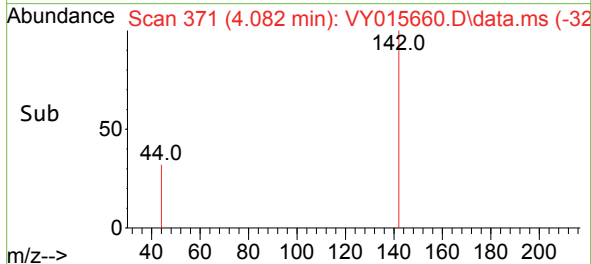


#10
Methyl Iodide
Concen: 2.743 ug/l
RT: 4.082 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY015660.D
Acq: 20 Sep 2023 15:42

Instrument :
MSVOA_Y
ClientSampleId :

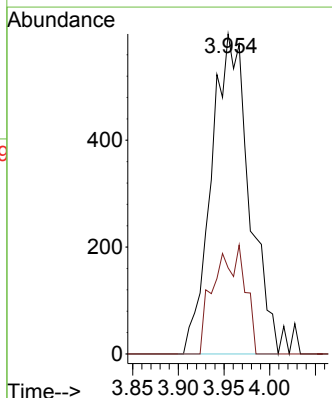
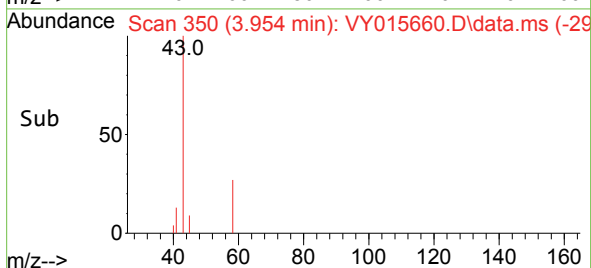
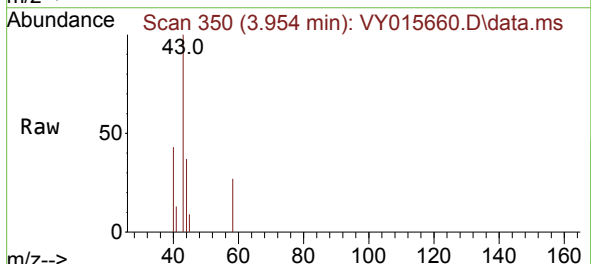


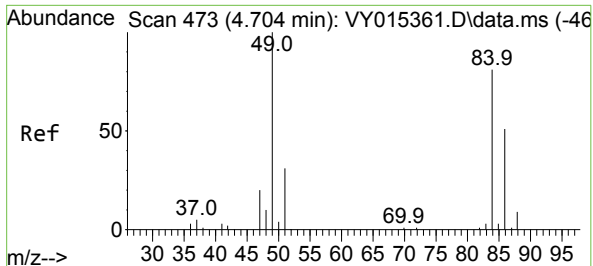
Tgt Ion:142 Resp: 21
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



#16
Acetone
Concen: 2.519 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY015660.D
Acq: 20 Sep 2023 15:42

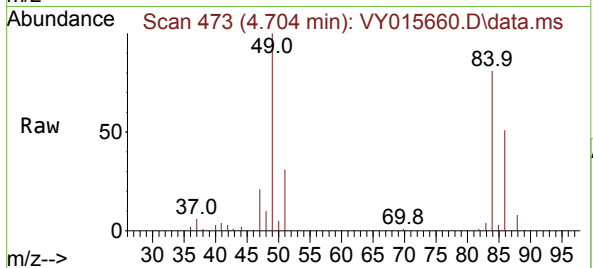
Tgt Ion: 43 Resp: 1723
Ion Ratio Lower Upper
43 100
58 26.9 22.7 34.1



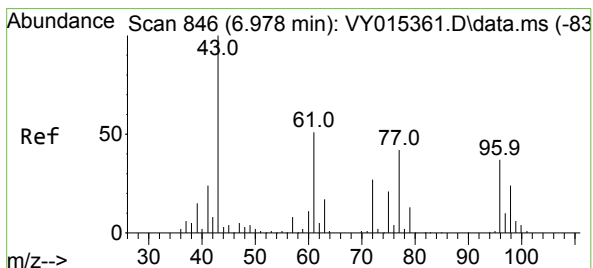
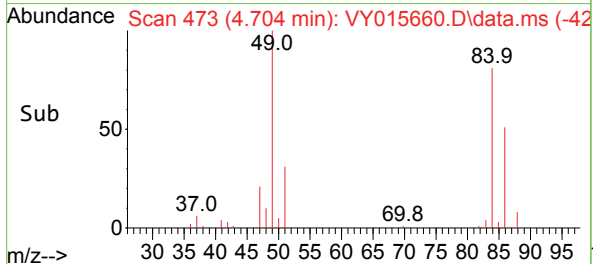
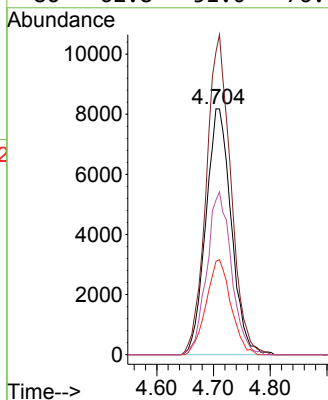


#20
Methylene Chloride
Concen: 13.428 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY015660.D
Acq: 20 Sep 2023 15:42

Instrument :
MSVOA_Y
ClientSampleId :

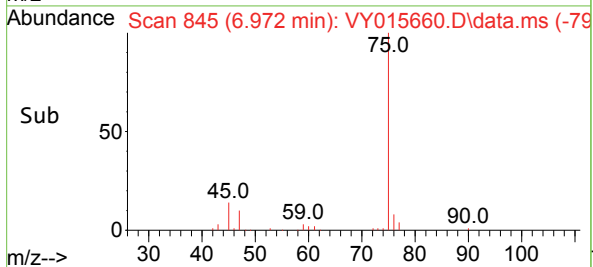
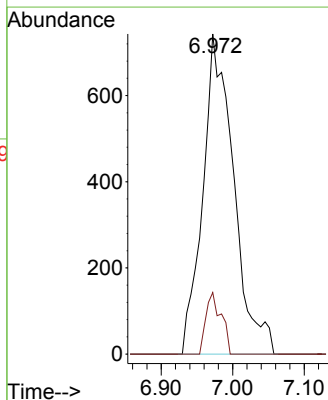
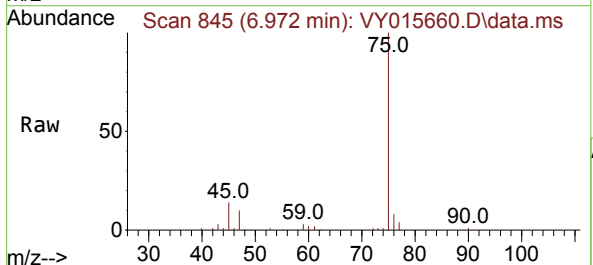


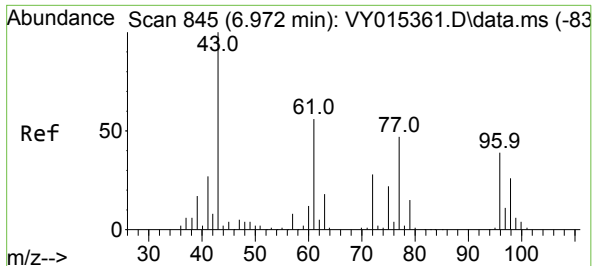
Tgt Ion:	84	Resp:	25420
Ion	Ratio	Lower	Upper
84	100		
49	123.1	106.9	160.3
51	37.9	33.2	49.8
86	62.8	51.0	76.6



#25
2-Butanone
Concen: 2.301 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY015660.D
Acq: 20 Sep 2023 15:42

Tgt Ion:	43	Resp:	2225
Ion	Ratio	Lower	Upper
43	100		
72	19.2	20.5	30.7#





#26

2,2-Dichloropropane

Concen: 1.368 ug/l

RT: 6.978 min Scan# 845

Delta R.T. 0.006 min

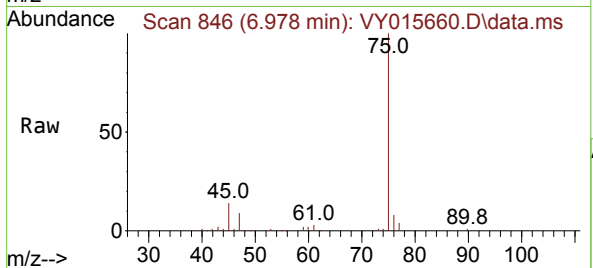
Lab File: VY015660.D

Acq: 20 Sep 2023 15:42

Instrument :

MSVOA_Y

ClientSampleId :

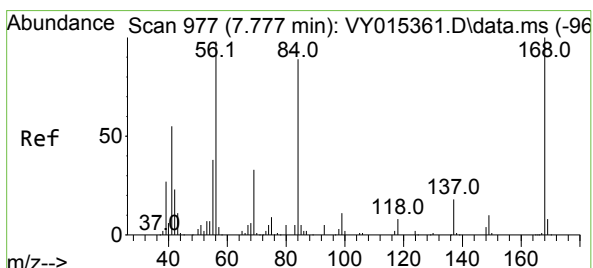
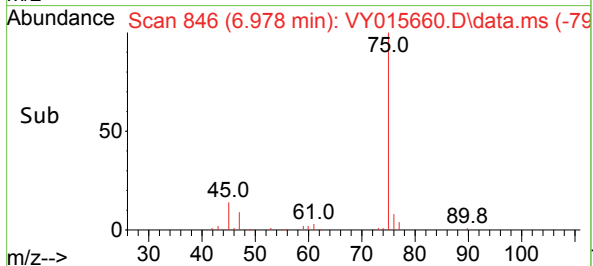
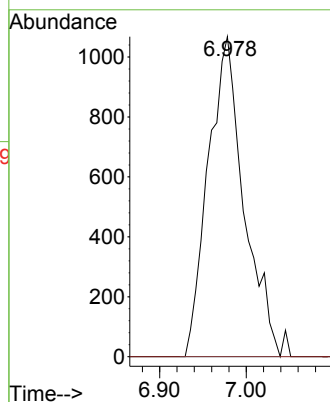


Tgt Ion: 77 Resp: 3064

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#31

Cyclohexane

Concen: 1.394 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY015660.D

Acq: 20 Sep 2023 15:42

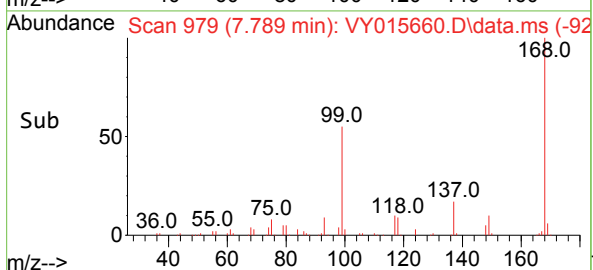
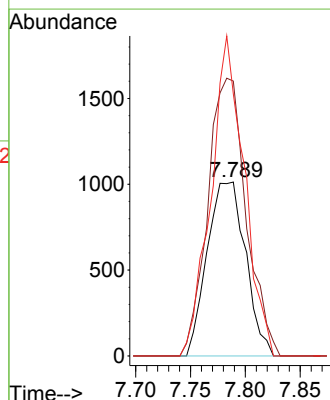
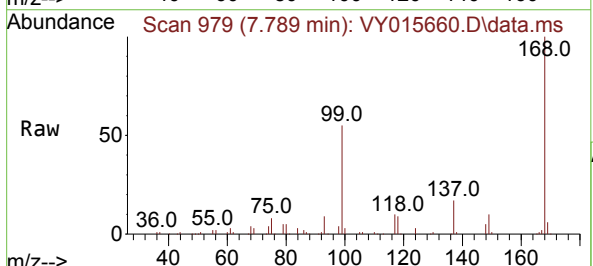
Tgt Ion: 56 Resp: 2468

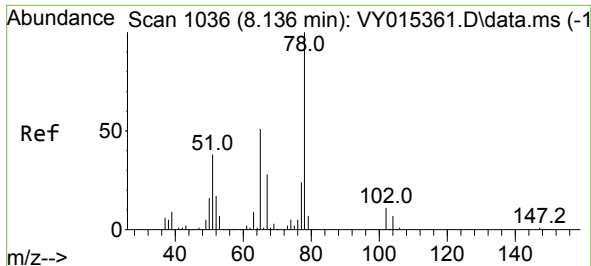
Ion Ratio Lower Upper

56 100

69 158.0 27.8 41.6#

84 150.7 66.4 99.6#

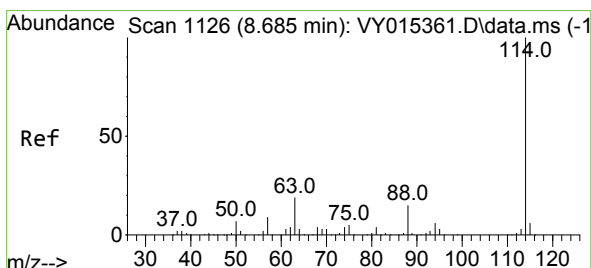
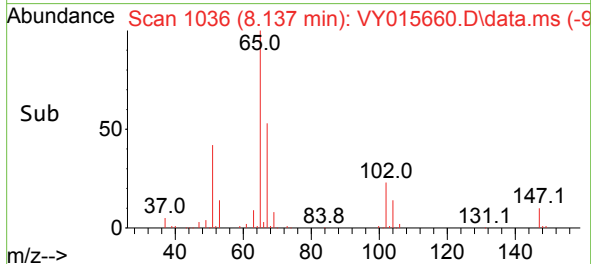
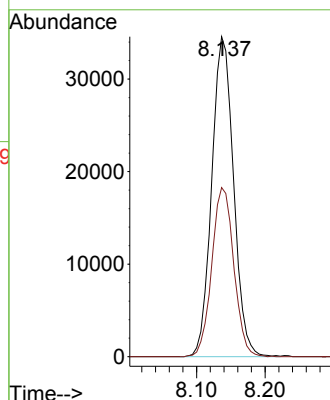
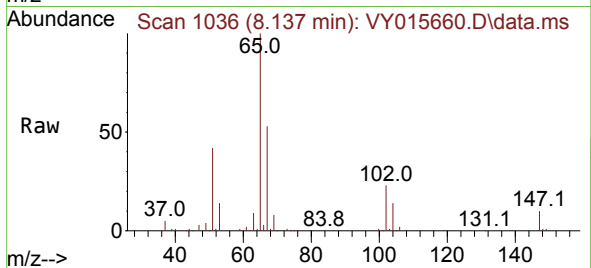




#33
 1,2-Dichloroethane-d4
 Concen: 59.828 ug/l
 RT: 8.137 min Scan# 1036
 Delta R.T. 0.001 min
 Lab File: VY015660.D
 Acq: 20 Sep 2023 15:42

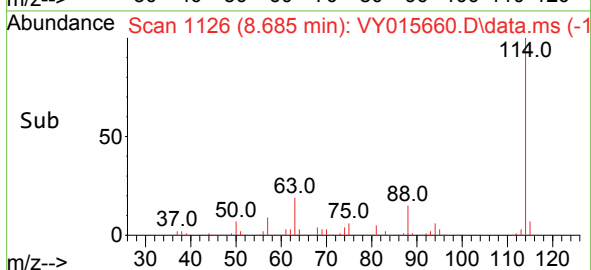
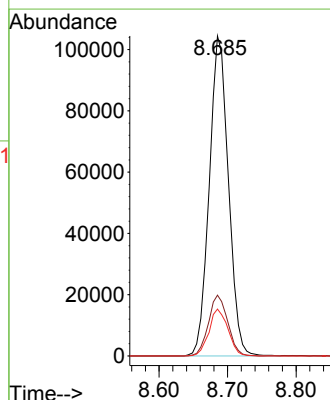
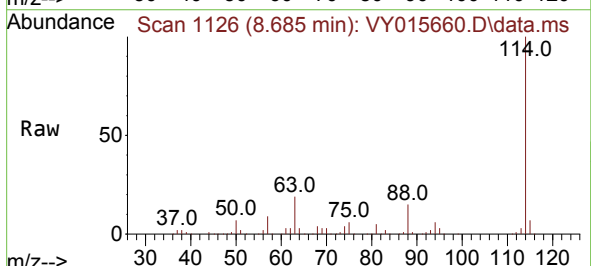
Instrument :
 MSVOA_Y
 ClientSampleId :

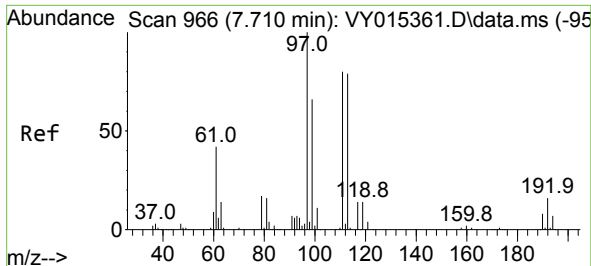
Tgt Ion: 65 Resp: 76476
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY015660.D
 Acq: 20 Sep 2023 15:42

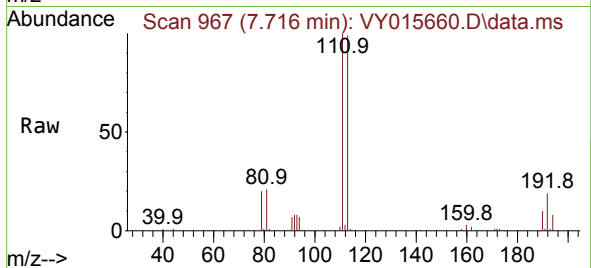
Tgt Ion: 114 Resp: 202610
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 42.4
 88 14.7 0.0 30.6



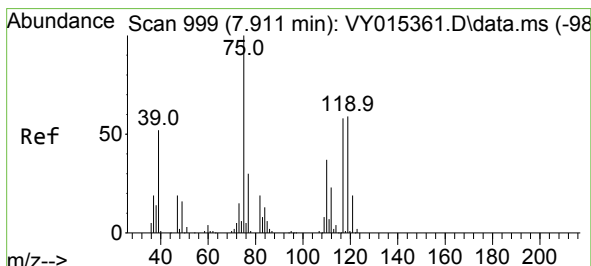
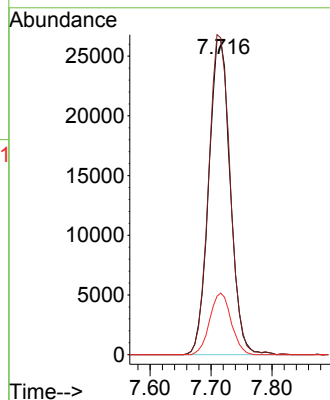
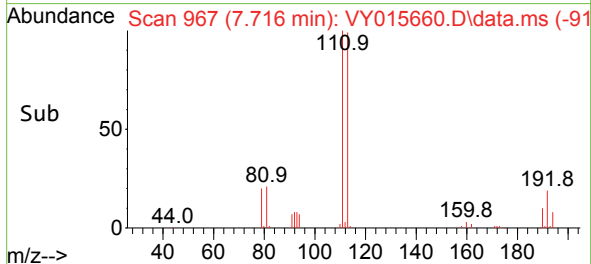


#35
Dibromofluoromethane
Concen: 53.404 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY015660.D
Acq: 20 Sep 2023 15:42

Instrument :
MSVOA_Y
ClientSampleId :

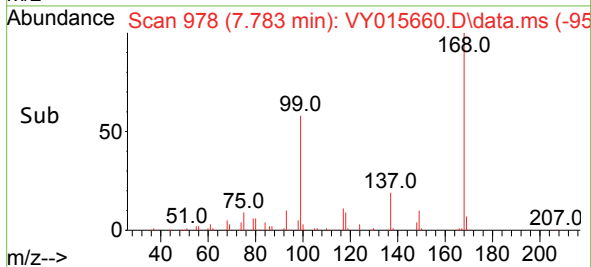
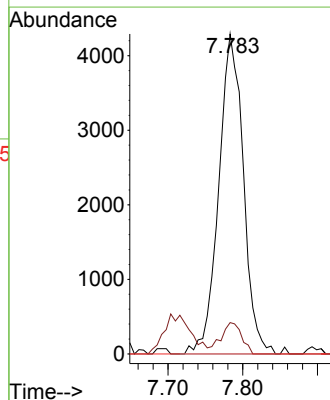
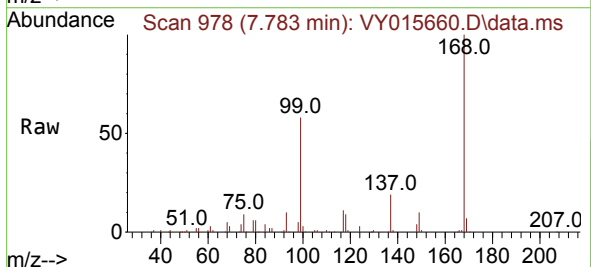


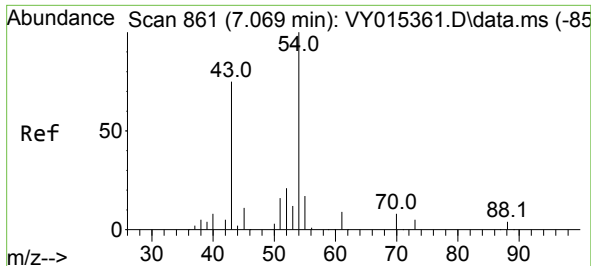
Tgt Ion:113 Resp: 64763
Ion Ratio Lower Upper
113 100
111 101.6 81.3 121.9
192 19.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.478 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015660.D
Acq: 20 Sep 2023 15:42

Tgt Ion: 75 Resp: 9822
Ion Ratio Lower Upper
75 100
110 8.3 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.244 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.091 min

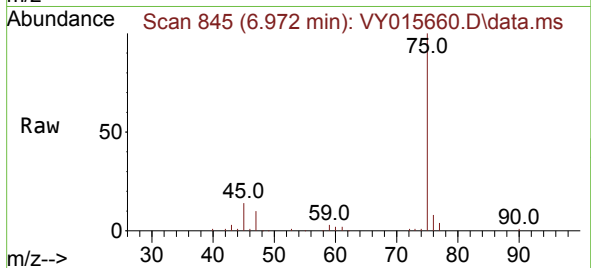
Lab File: VY015660.D

Acq: 20 Sep 2023 15:42

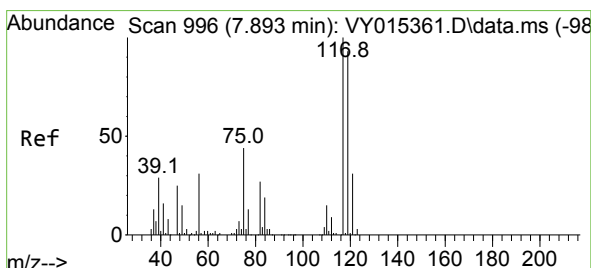
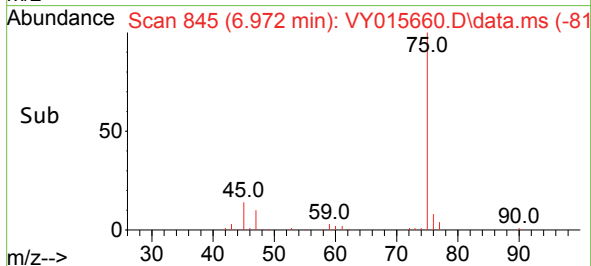
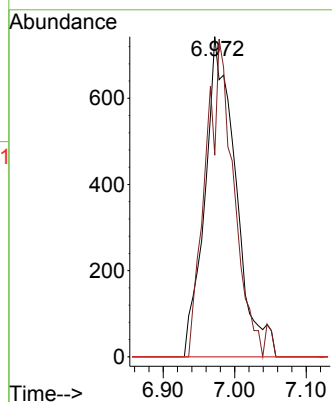
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	2225
Ion	Ratio	Lower	Upper
43	100		
61	90.1	10.1	15.1#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 6.159 ug/l

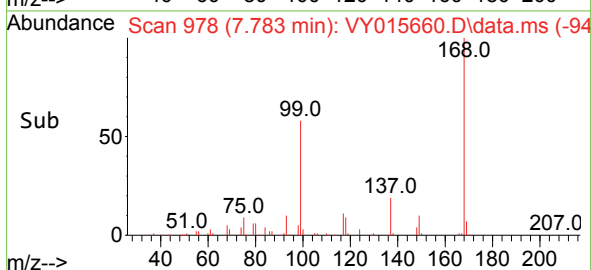
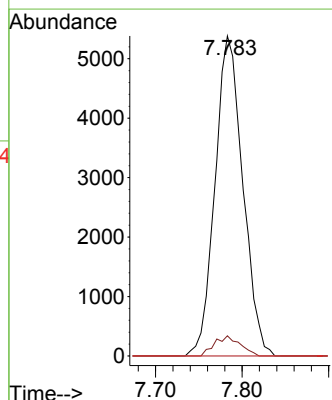
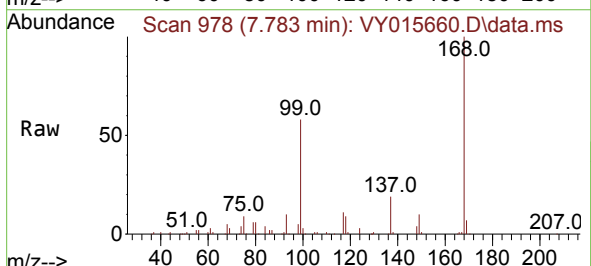
RT: 7.783 min Scan# 978

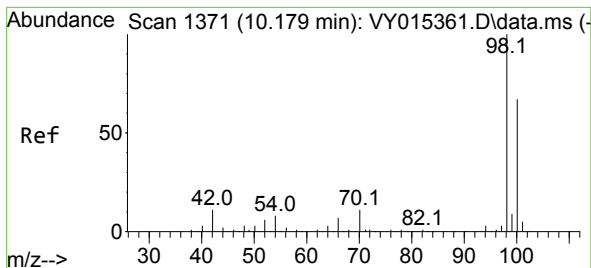
Delta R.T. -0.110 min

Lab File: VY015660.D

Acq: 20 Sep 2023 15:42

Tgt Ion:	117	Resp:	11987
Ion	Ratio	Lower	Upper
117	100		
119	6.3	76.4	114.6#
121	0.0	25.8	38.6#

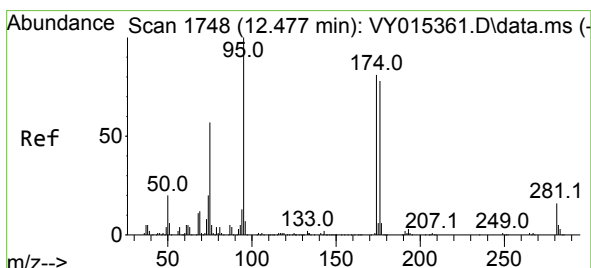
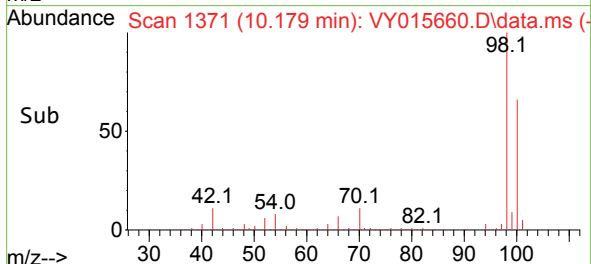
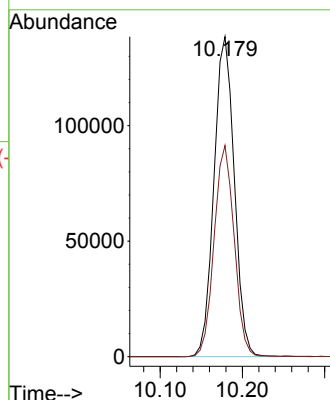
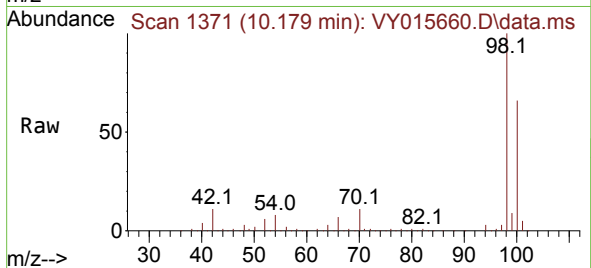




#50
Toluene-d8
Concen: 57.807 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015660.D
Acq: 20 Sep 2023 15:42

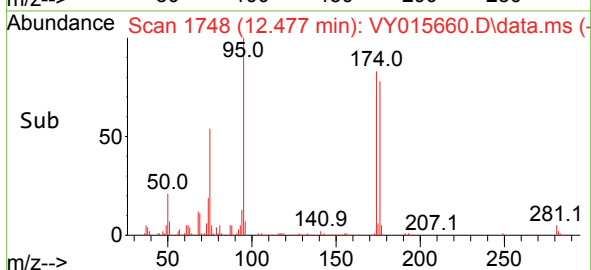
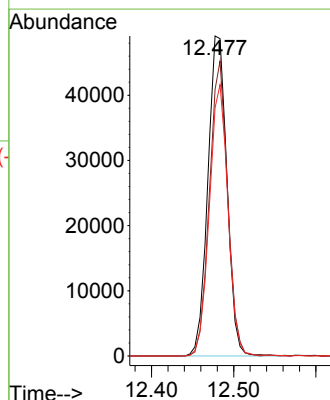
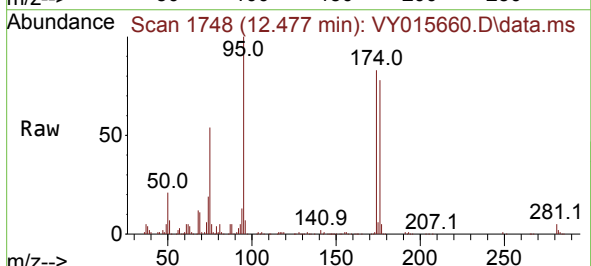
Instrument :
MSVOA_Y
ClientSampleId :

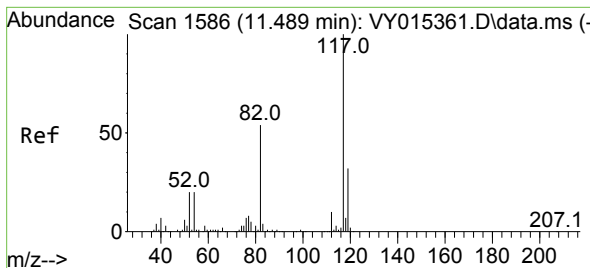
Tgt Ion: 98 Resp: 237692
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 48.963 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015660.D
Acq: 20 Sep 2023 15:42

Tgt Ion: 95 Resp: 79007
Ion Ratio Lower Upper
95 100
174 88.0 0.0 178.2
176 82.8 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

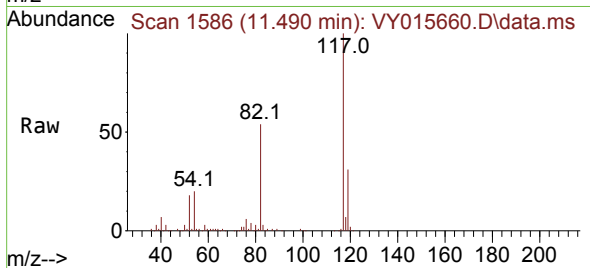
Lab File: VY015660.D

Acq: 20 Sep 2023 15:42

Instrument :

MSVOA_Y

ClientSampleId :



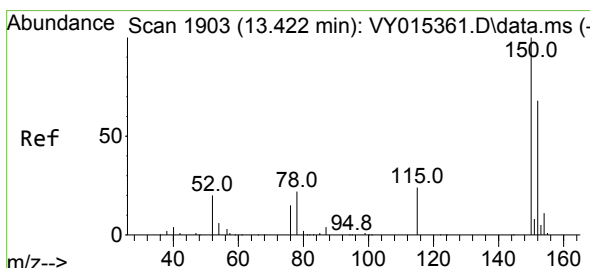
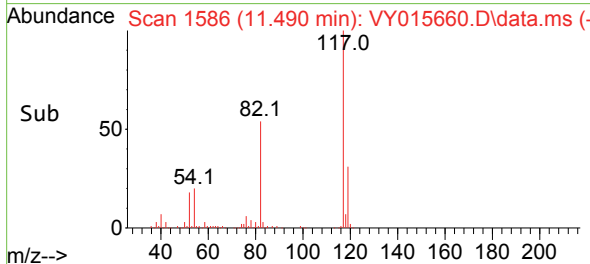
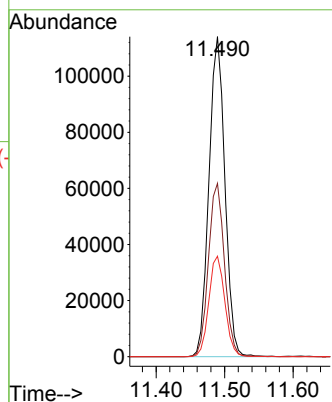
Tgt Ion:117 Resp: 185087

Ion Ratio Lower Upper

117 100

82 54.2 43.4 65.0

119 31.4 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: VY015660.D

Acq: 20 Sep 2023 15:42

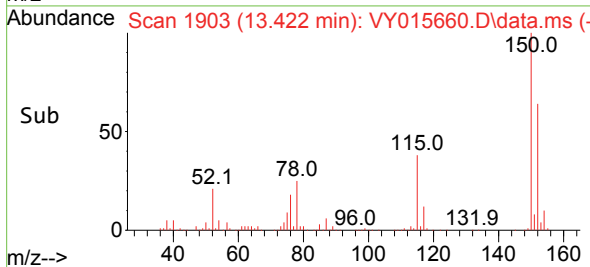
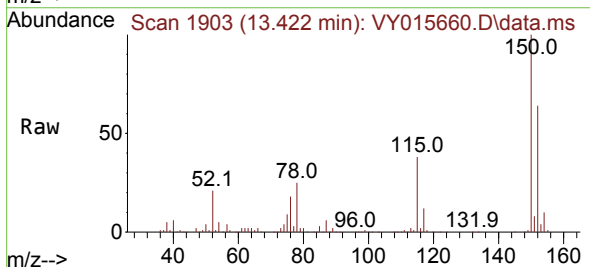
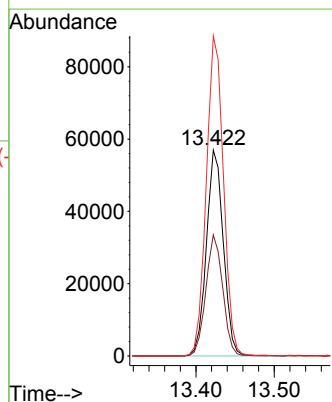
Tgt Ion:152 Resp: 85336

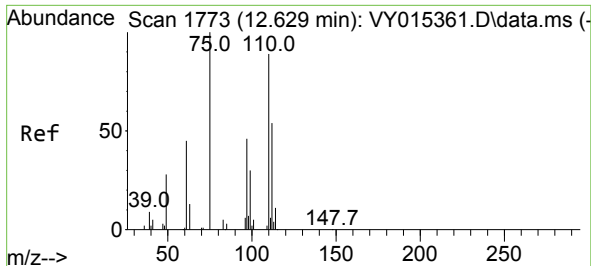
Ion Ratio Lower Upper

152 100

115 58.6 28.8 86.5

150 157.4 0.0 348.8

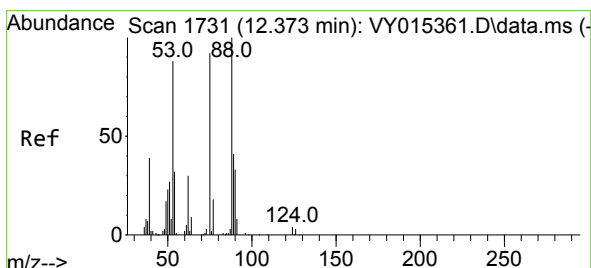
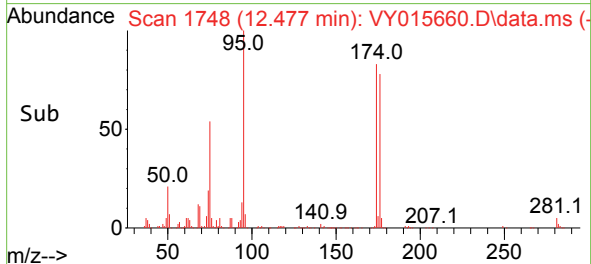
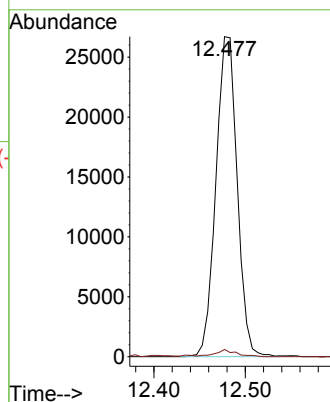
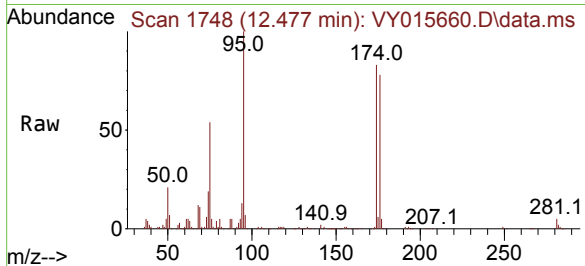




#76
1,2,3-Trichloropropane
Concen: 31.808 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015660.D
Acq: 20 Sep 2023 15:42

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 43303
Ion Ratio Lower Upper
75 100
77 2.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.628 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY015660.D
Acq: 20 Sep 2023 15:42

Tgt Ion: 75 Resp: 43303
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.2 37.4 56.0#

