

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081723\
 Data File : VY015166.D
 Acq On : 17 Aug 2023 12:55
 Operator : SY/MD
 Sample : 03958-05
 Misc : 7.65g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 18 00:52:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

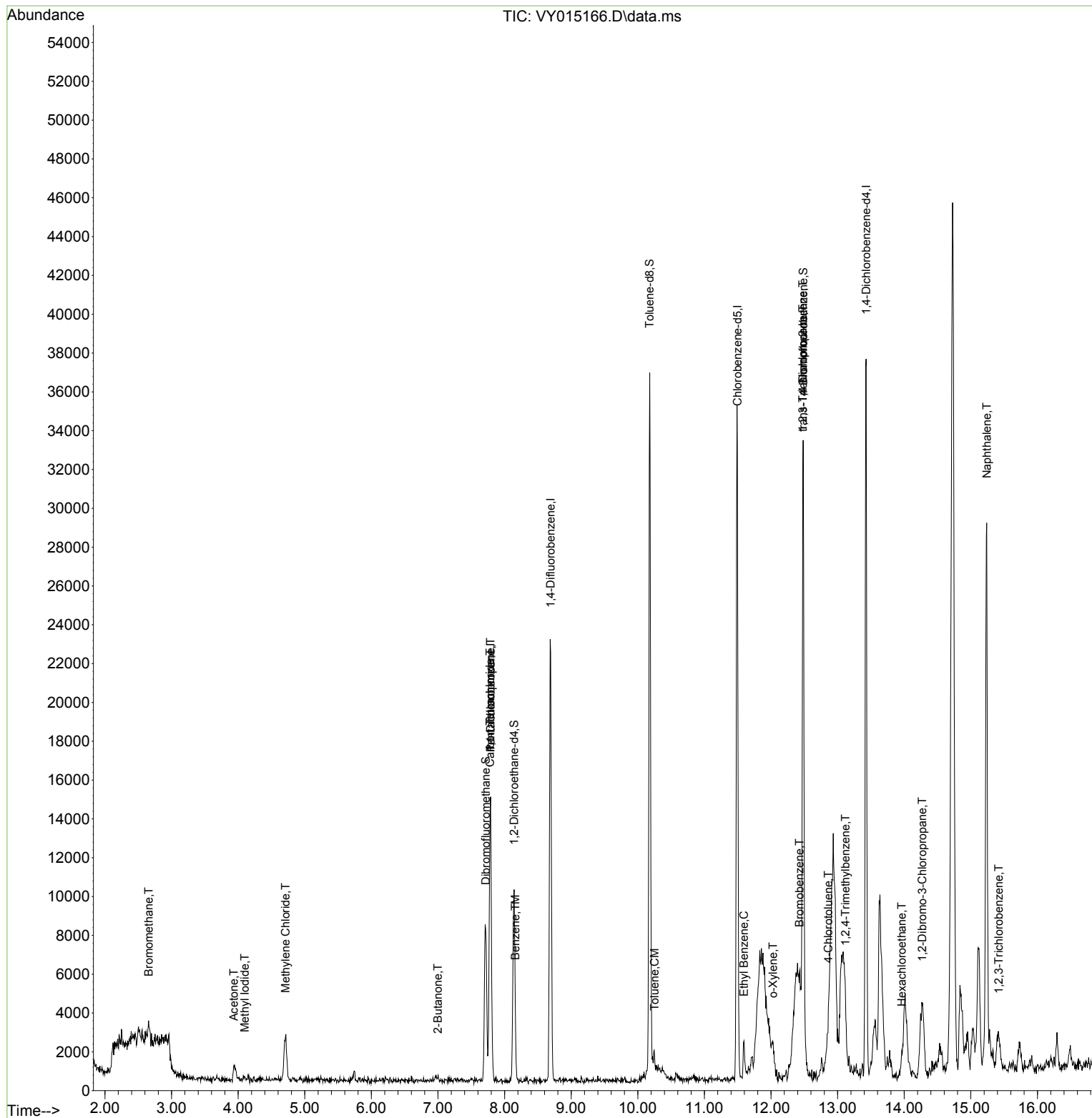
Internal Standards						
1) Pentafluorobenzene	7.789	168	11497	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	19393	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	19778	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	9865	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	7391	53.554	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.100%	
35) Dibromofluoromethane	7.716	113	6062	48.589	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.180%	
50) Toluene-d8	10.179	98	22843	49.184	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.360%	
62) 4-Bromofluorobenzene	12.483	95	9527	56.162	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 112.320%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	261	Below Cal	#	43
5) Bromomethane	2.656	94	393	4.584	ug/l	95
10) Methyl Iodide	4.101	142	303	3.221	ug/l #	49
16) Acetone	3.936	43	1449	32.139	ug/l #	82
20) Methylene Chloride	4.710	84	1811	13.609	ug/l	90
25) 2-Butanone	6.996	43	75	1.175	ug/l #	49
31) Cyclohexane	7.789	56	200	Below Cal	#	31
36) 1,1-Dichloropropene	7.789	75	1062	7.694	ug/l #	41
38) Carbon Tetrachloride	7.783	117	1310	8.019	ug/l #	12
40) Benzene	8.161	78	858	2.056	ug/l	95
52) Toluene	10.252	92	342	1.243	ug/l	91
67) Ethyl Benzene	11.593	91	1559	2.469	ug/l	97
69) o-Xylene	12.032	106	259	1.084	ug/l	81
76) 1,2,3-Trichloropropane	12.477	75	4995	41.676	ug/l #	100
77) Bromobenzene	12.428	156	4511	29.174	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.477	75	4995	91.541	ug/l #	11
82) 4-Chlorotoluene	12.861	91	952	2.121	ug/l #	44
84) 1,2,4-Trimethylbenzene	13.117	105	1304	2.468	ug/l #	63
90) Hexachloroethane	13.965	117	173	1.484	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	14.269	75	182	5.687	ug/l #	3
95) Naphthalene	15.239	128	23780	51.899	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	233	1.403	ug/l #	68

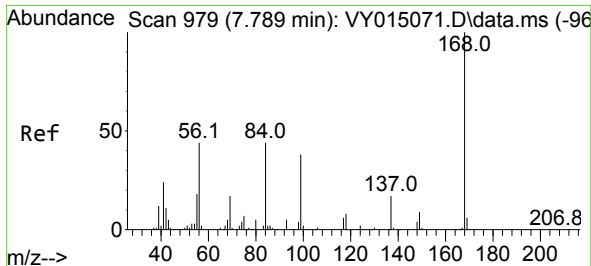
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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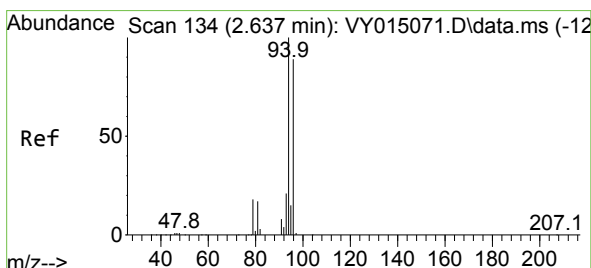
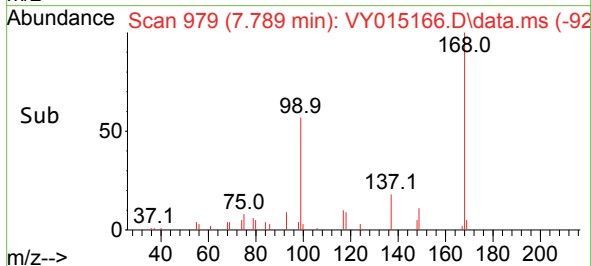
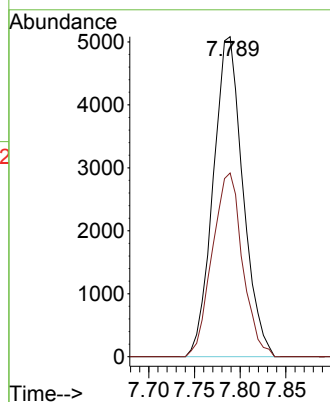
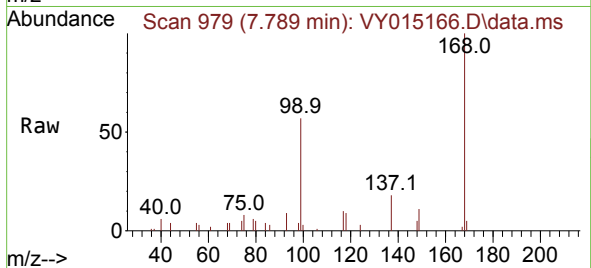




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015166.D
Acq: 17 Aug 2023 12:55

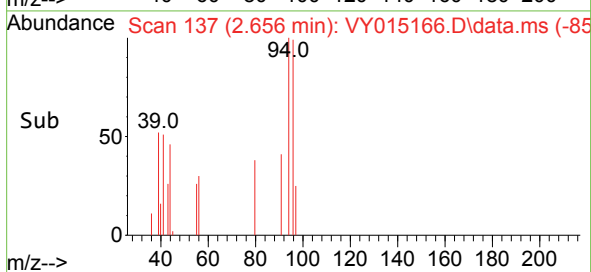
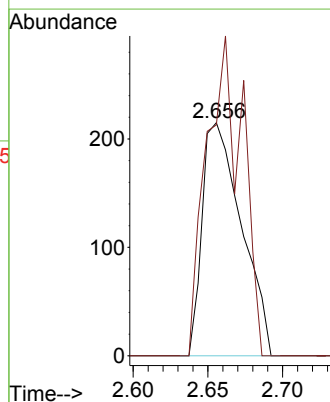
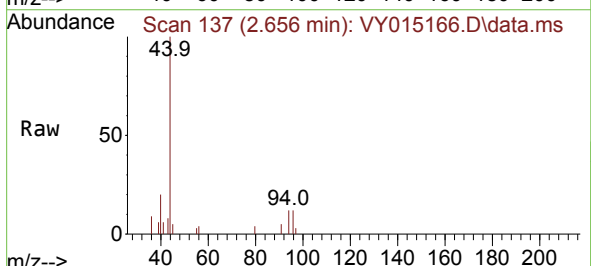
Instrument :
MSVOA_Y
ClientSampleId :

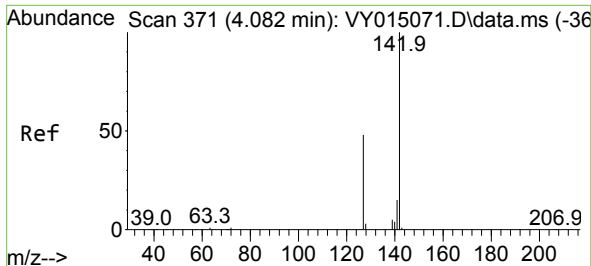
Tgt Ion:168 Resp: 11497
Ion Ratio Lower Upper
168 100
99 57.4 43.4 65.0



#5
Bromomethane
Concen: 4.584 ug/l
RT: 2.656 min Scan# 137
Delta R.T. 0.019 min
Lab File: VY015166.D
Acq: 17 Aug 2023 12:55

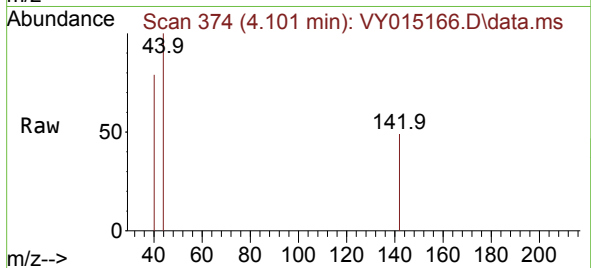
Tgt Ion: 94 Resp: 393
Ion Ratio Lower Upper
94 100
96 99.1 75.8 113.6



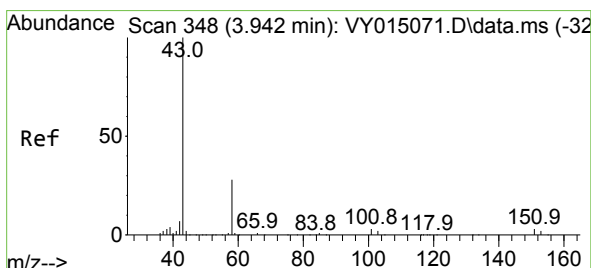
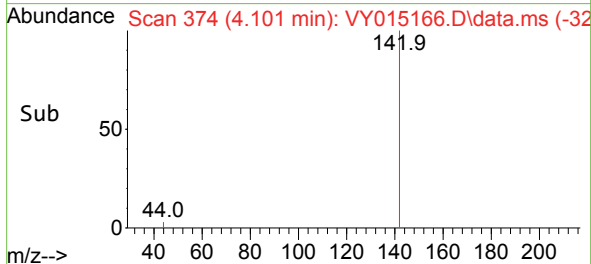
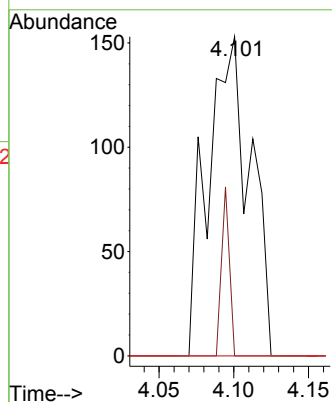


#10
Methyl Iodide
Concen: 3.221 ug/l
RT: 4.101 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY015166.D
Acq: 17 Aug 2023 12:55

Instrument :
MSVOA_Y
ClientSampleId :

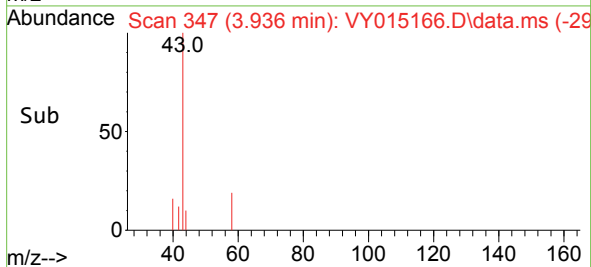
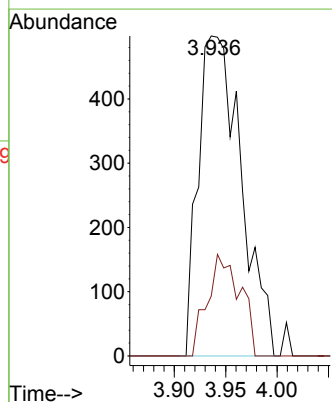
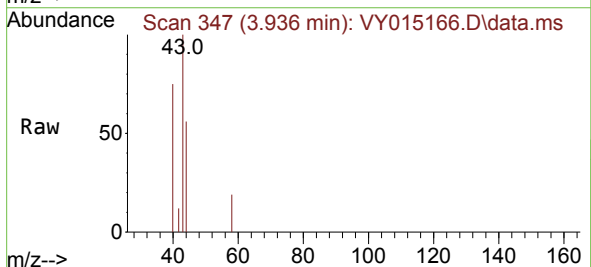


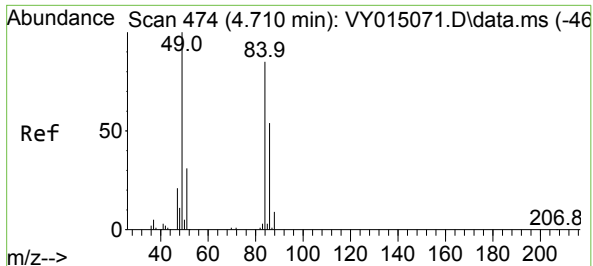
Tgt Ion:142 Resp: 303
Ion Ratio Lower Upper
142 100
127 9.9 37.6 56.4#
141 0.0 11.8 17.8#



#16
Acetone
Concen: 32.139 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.006 min
Lab File: VY015166.D
Acq: 17 Aug 2023 12:55

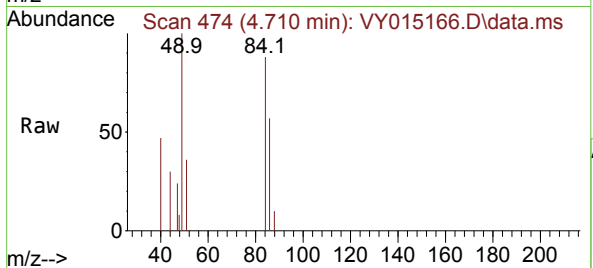
Tgt Ion: 43 Resp: 1449
Ion Ratio Lower Upper
43 100
58 18.7 22.7 34.1#





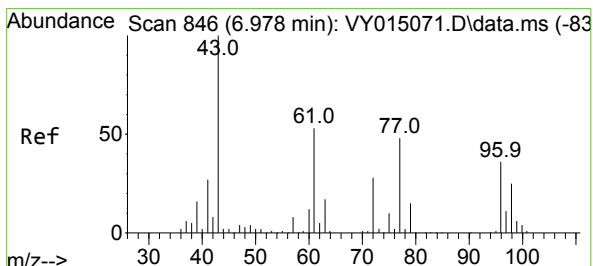
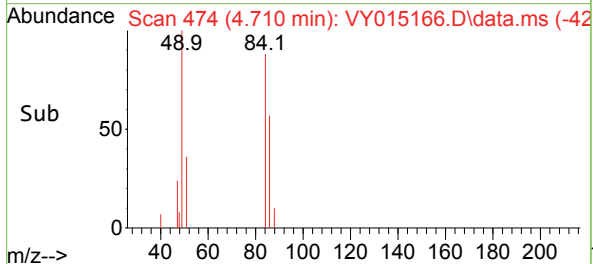
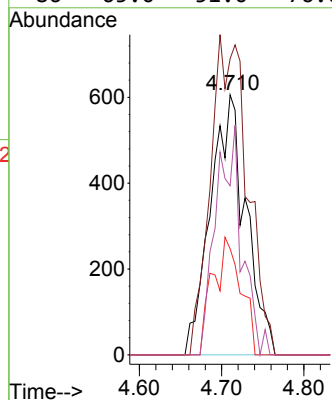
#20
Methylene Chloride
Concen: 13.609 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY015166.D
Acq: 17 Aug 2023 12:55

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 1811

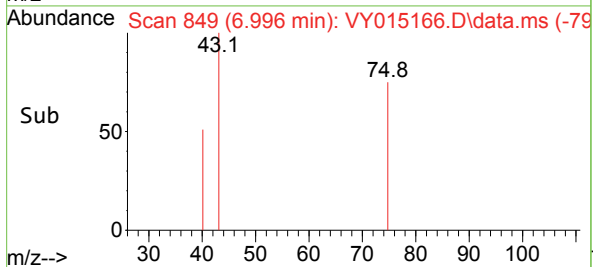
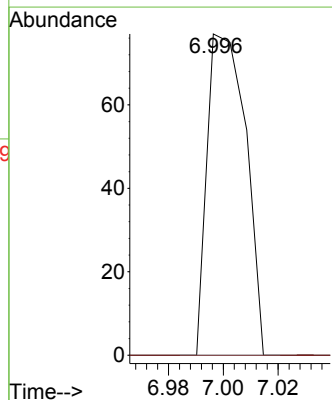
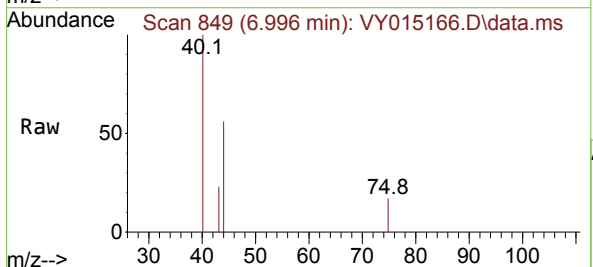
Ion	Ratio	Lower	Upper
84	100		
49	113.9	106.9	160.3
51	40.8	33.2	49.8
86	65.0	51.0	76.6

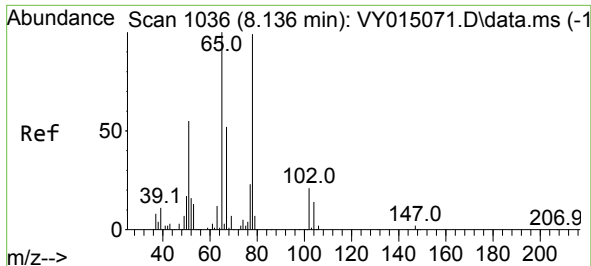


#25
2-Butanone
Concen: 1.175 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.018 min
Lab File: VY015166.D
Acq: 17 Aug 2023 12:55

Tgt Ion: 43 Resp: 75

Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.5	30.7#





#33

1,2-Dichloroethane-d4

Concen: 53.554 ug/l

RT: 8.142 min Scan# 110

Delta R.T. 0.006 min

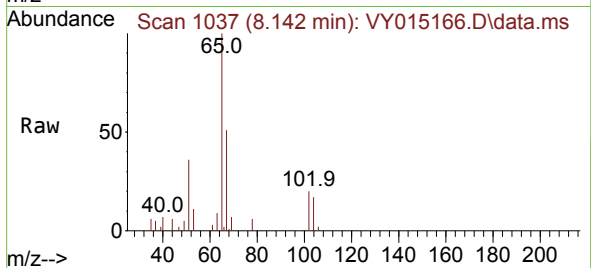
Lab File: VY015166.D

Acq: 17 Aug 2023 12:55

Instrument :

MSVOA_Y

ClientSampleId :

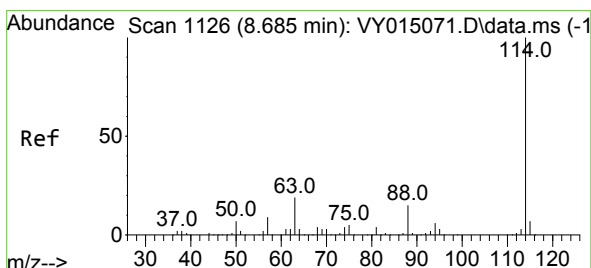
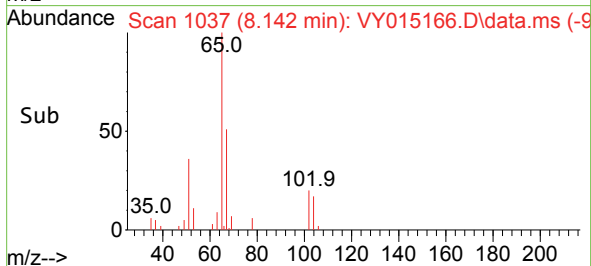
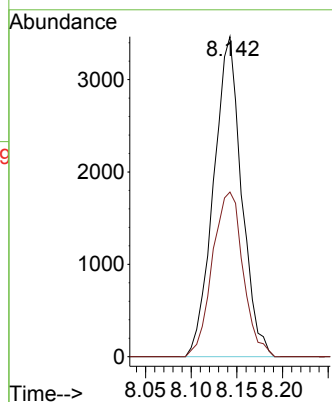


Tgt Ion: 65 Resp: 7391

Ion Ratio Lower Upper

65 100

67 56.4 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: VY015166.D

Acq: 17 Aug 2023 12:55

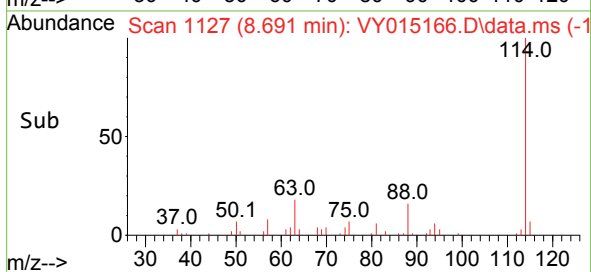
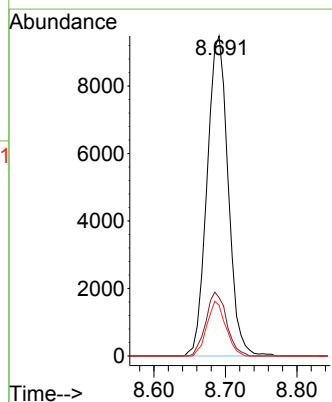
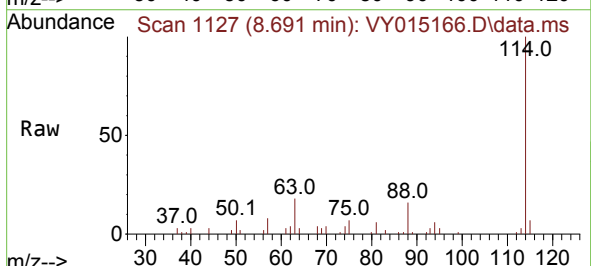
Tgt Ion: 114 Resp: 19393

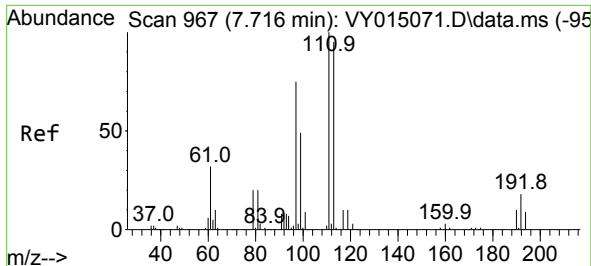
Ion Ratio Lower Upper

114 100

63 18.2 0.0 42.4

88 15.8 0.0 30.6

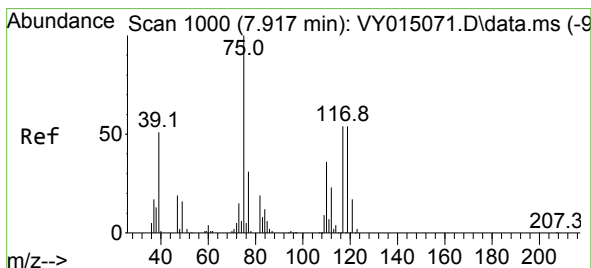
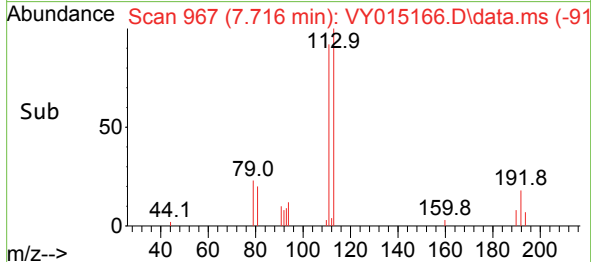
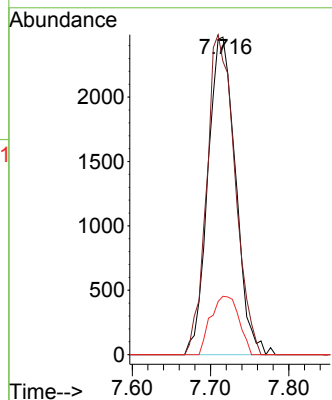
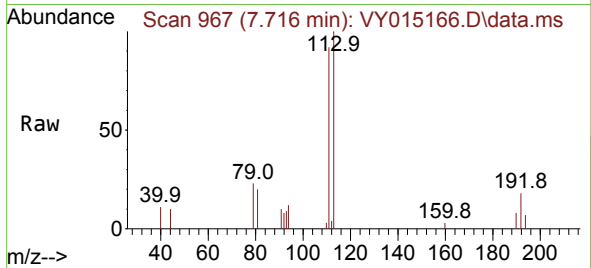




#35
 Dibromofluoromethane
 Concen: 48.589 ug/l
 RT: 7.716 min Scan# 901
 Delta R.T. 0.000 min
 Lab File: VY015166.D
 Acq: 17 Aug 2023 12:55

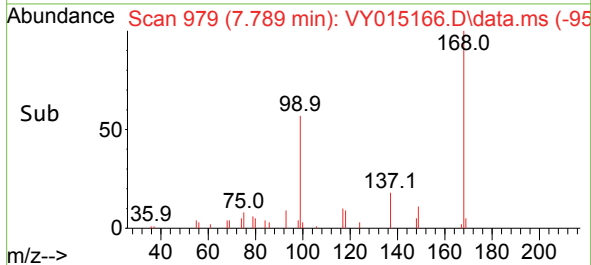
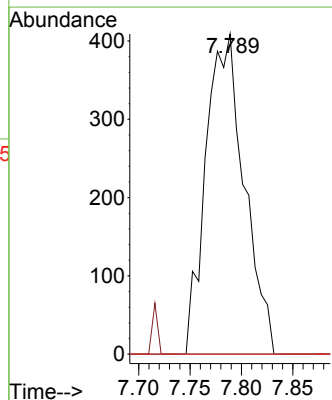
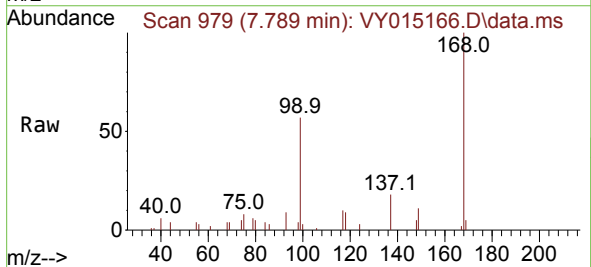
Instrument :
 MSVOA_Y
 ClientSampleId :

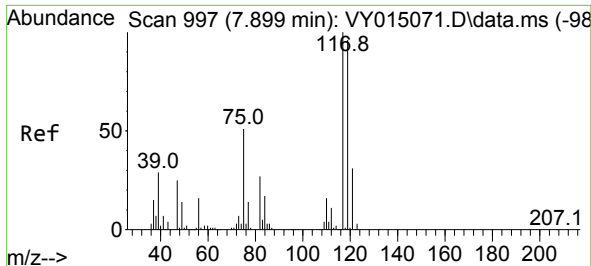
Tgt Ion:113 Resp: 6062
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.3 121.9
 192 18.6 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 7.694 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.122 min
 Lab File: VY015166.D
 Acq: 17 Aug 2023 12:55

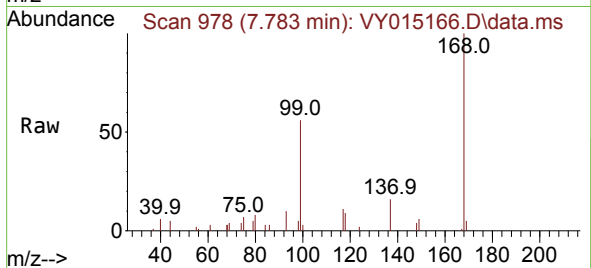
Tgt Ion: 75 Resp: 1062
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.8 53.5#
 77 0.0 24.4 36.6#



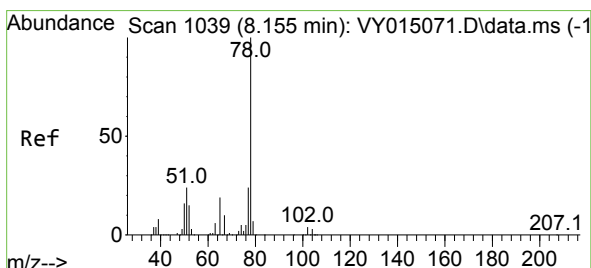
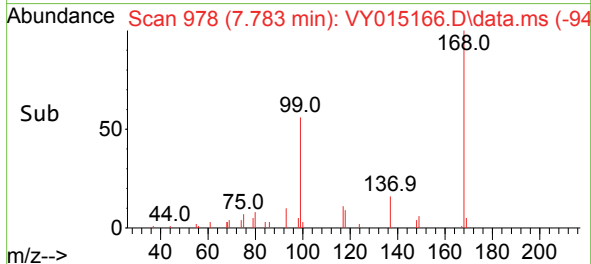
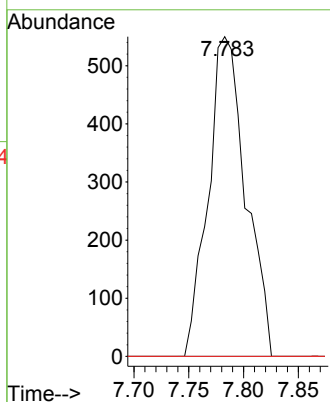


#38
Carbon Tetrachloride
Concen: 8.019 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY015166.D
Acq: 17 Aug 2023 12:55

Instrument :
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ClientSampleId :

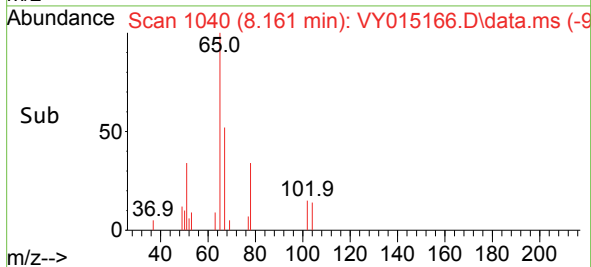
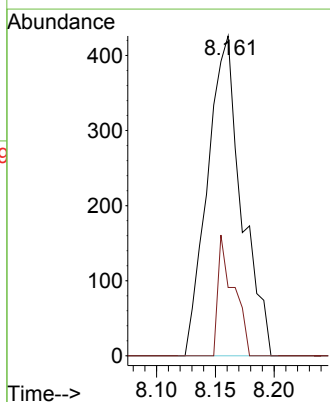
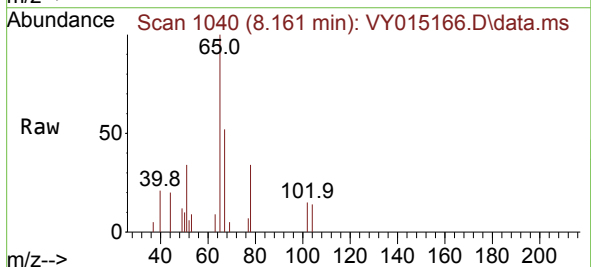


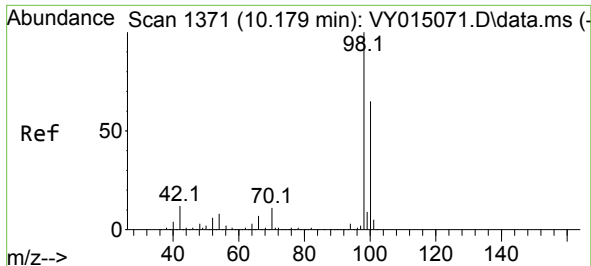
Tgt Ion:117 Resp: 1310
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#40
Benzene
Concen: 2.056 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY015166.D
Acq: 17 Aug 2023 12:55

Tgt Ion: 78 Resp: 858
Ion Ratio Lower Upper
78 100
77 21.4 19.0 28.6

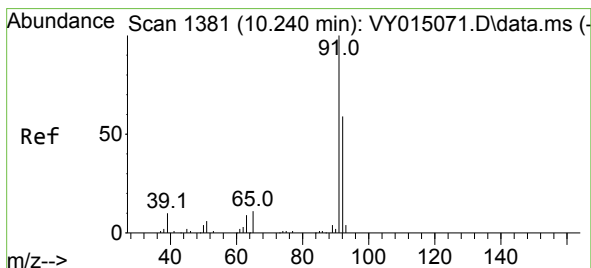
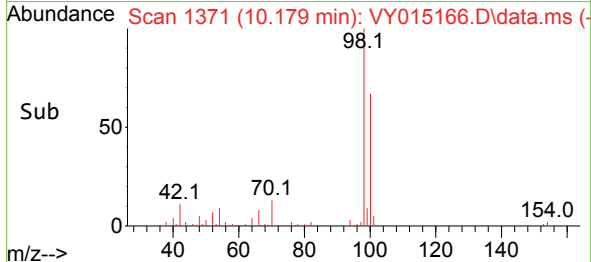
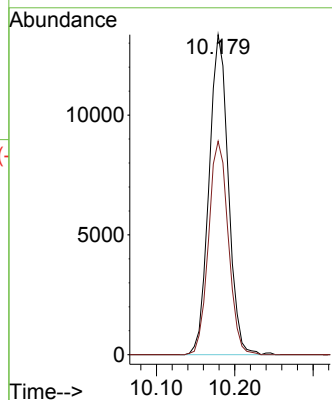
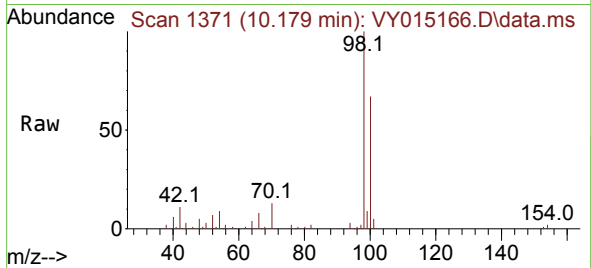




#50
Toluene-d8
Concen: 49.184 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015166.D
Acq: 17 Aug 2023 12:55

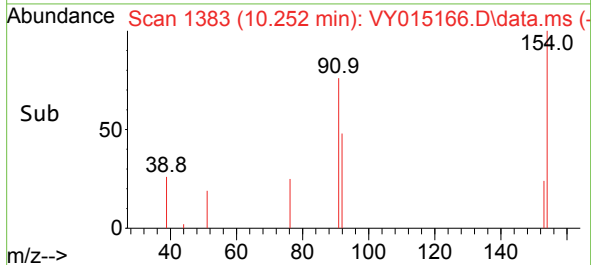
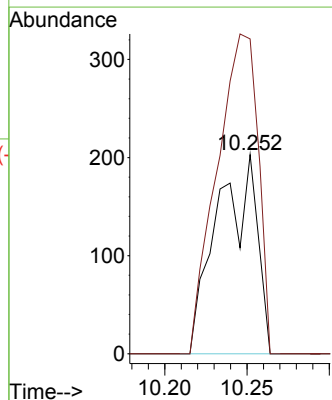
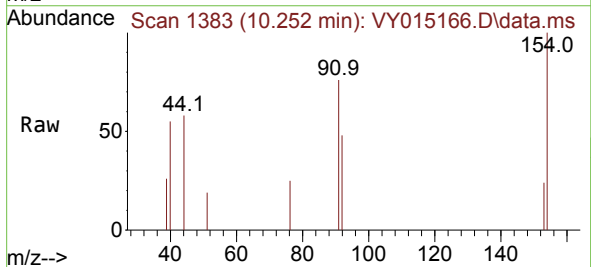
Instrument :
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ClientSampleId :

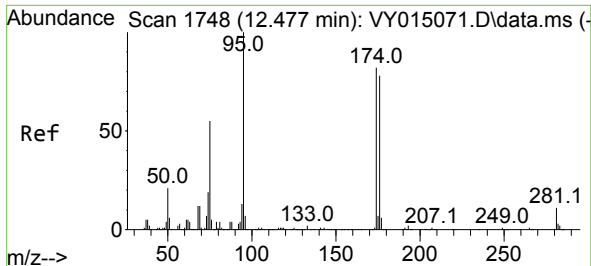
Tgt Ion: 98 Resp: 22843
Ion Ratio Lower Upper
98 100
100 68.0 50.1 75.1



#52
Toluene
Concen: 1.243 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. 0.012 min
Lab File: VY015166.D
Acq: 17 Aug 2023 12:55

Tgt Ion: 92 Resp: 342
Ion Ratio Lower Upper
92 100
91 166.4 143.8 215.6

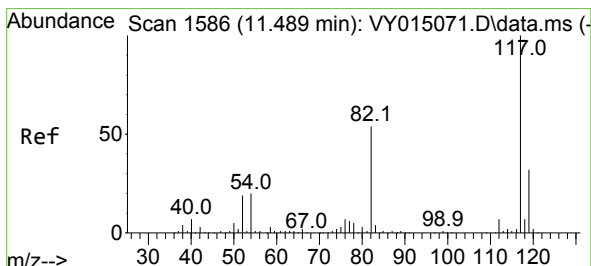
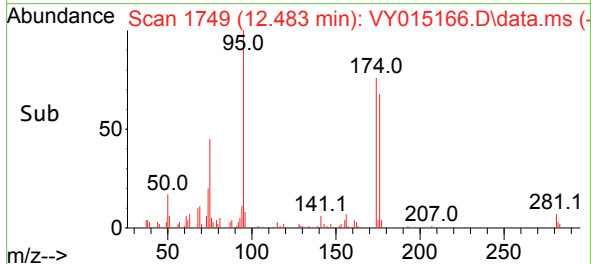
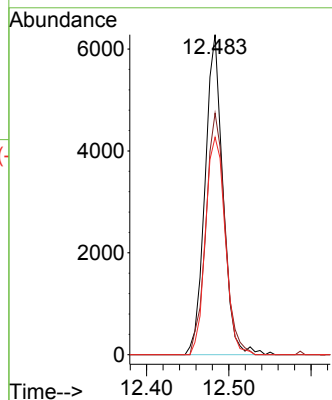
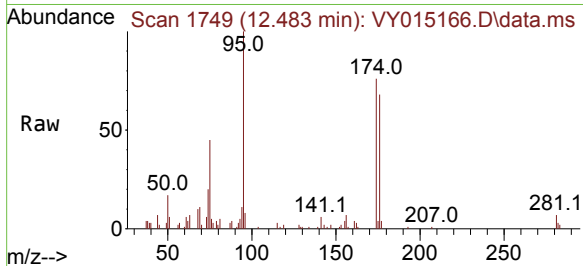




#62
4-Bromofluorobenzene
Concen: 56.162 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015166.D
Acq: 17 Aug 2023 12:55

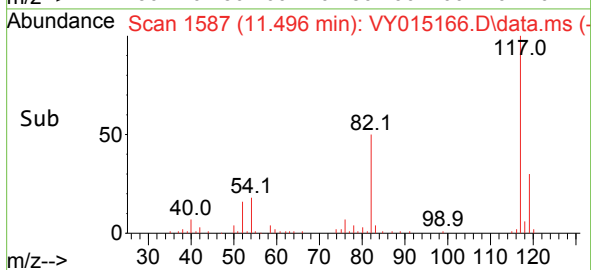
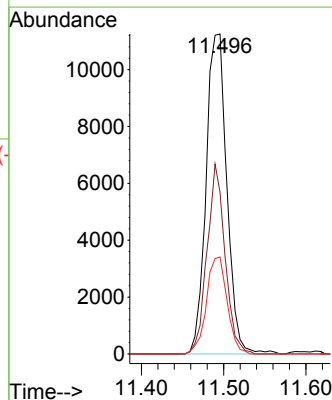
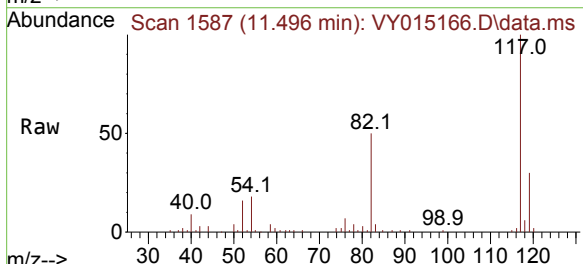
Instrument :
MSVOA_Y
ClientSampleId :

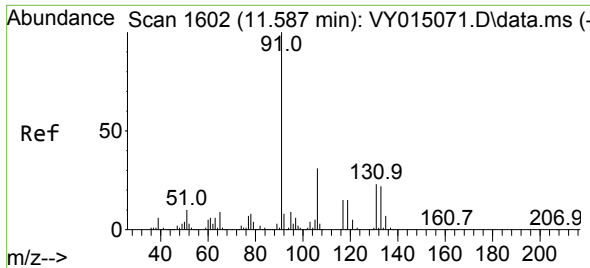
Tgt Ion: 95 Resp: 9527
Ion Ratio Lower Upper
95 100
174 80.6 0.0 178.2
176 74.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY015166.D
Acq: 17 Aug 2023 12:55

Tgt Ion: 117 Resp: 19778
Ion Ratio Lower Upper
117 100
82 50.4 43.4 65.0
119 30.3 26.3 39.5

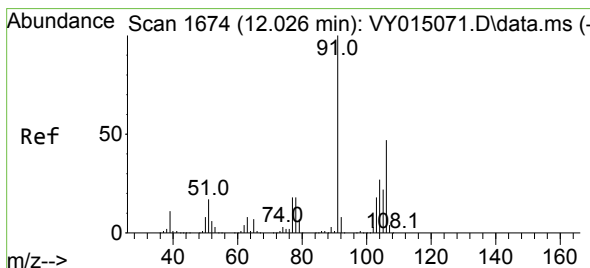
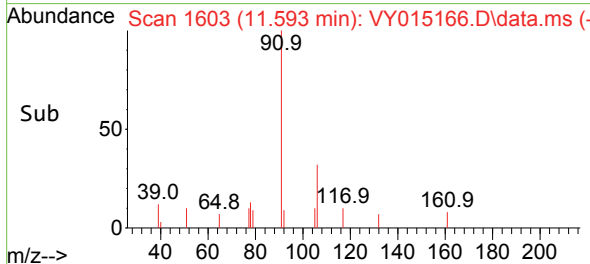
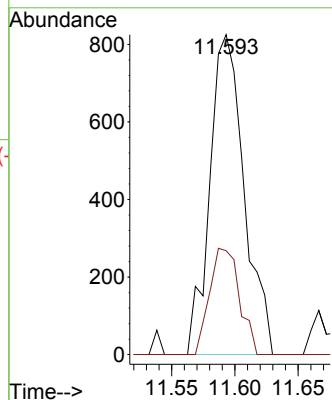
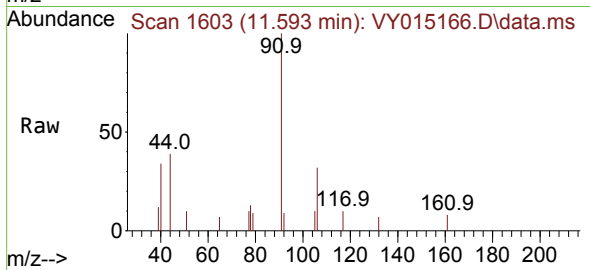




#67
Ethyl Benzene
Concen: 2.469 ug/l
RT: 11.593 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY015166.D
Acq: 17 Aug 2023 12:55

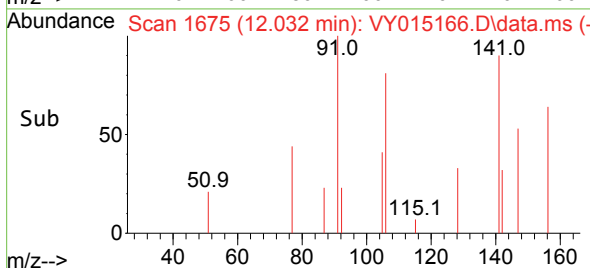
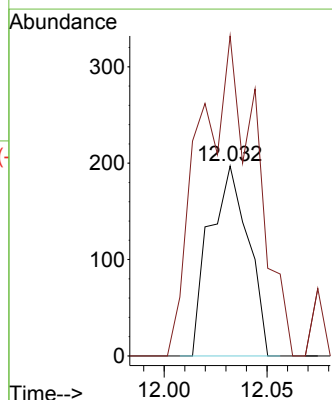
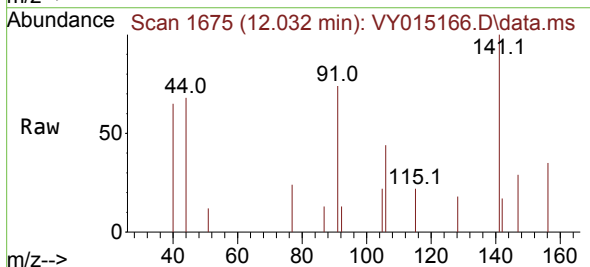
Instrument :
MSVOA_Y
ClientSampleId :

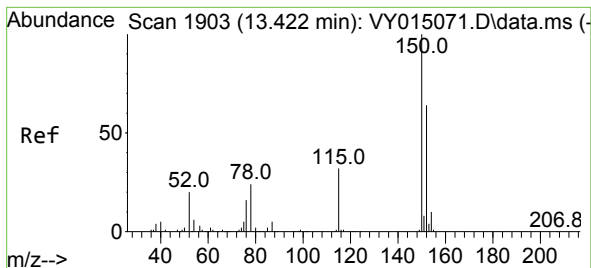
Tgt Ion: 91 Resp: 1559
Ion Ratio Lower Upper
91 100
106 32.5 24.6 36.8



#69
o-Xylene
Concen: 1.084 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VY015166.D
Acq: 17 Aug 2023 12:55

Tgt Ion:106 Resp: 259
Ion Ratio Lower Upper
106 100
91 245.9 108.1 324.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY015166.D

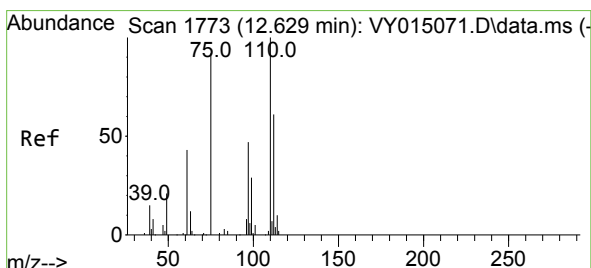
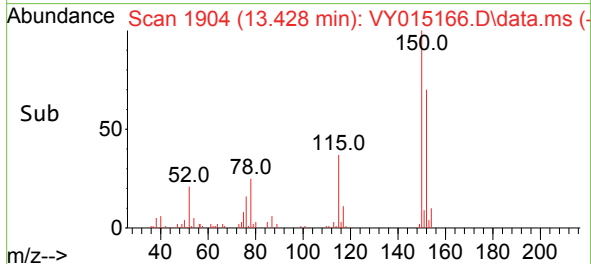
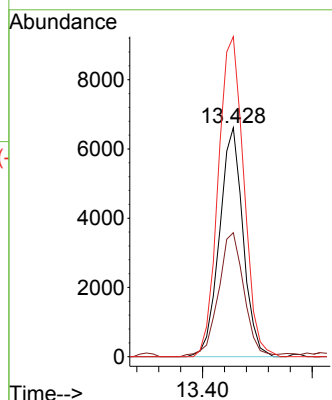
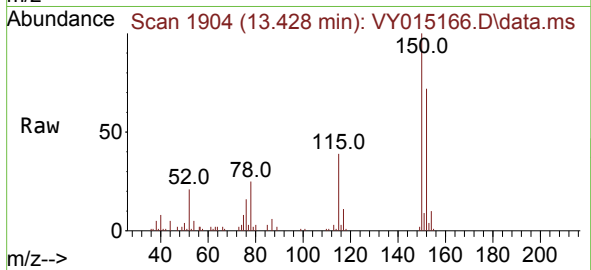
Acq: 17 Aug 2023 12:55

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	152	Resp:	9865
Ion Ratio	Lower	Upper	
152	100		
115	58.6	28.8	86.5
150	151.3	0.0	348.8



#76

1,2,3-Trichloropropane

Concen: 41.676 ug/l

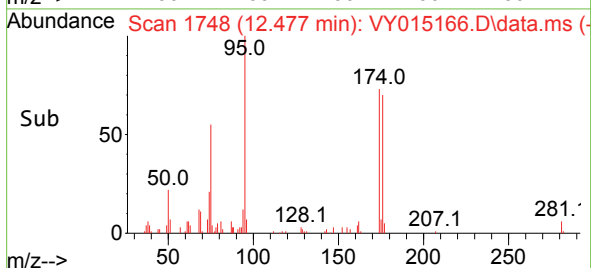
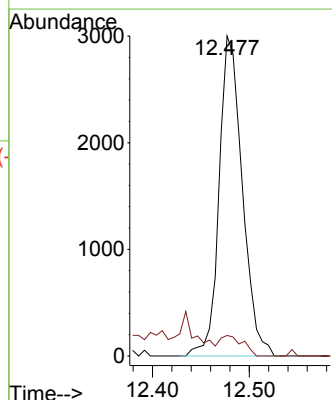
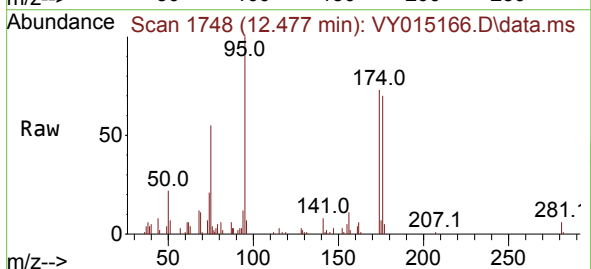
RT: 12.477 min Scan# 1748

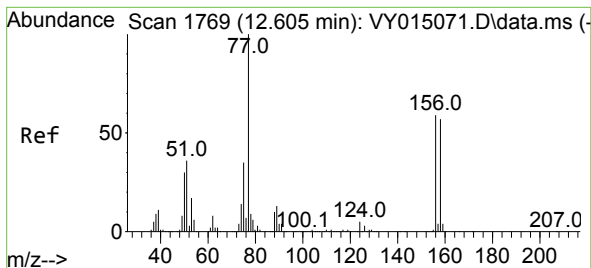
Delta R.T. -0.152 min

Lab File: VY015166.D

Acq: 17 Aug 2023 12:55

Tgt Ion:	75	Resp:	4995
Ion Ratio	Lower	Upper	
75	100		
77	6.2	0.0	0.0#





#77

Bromobenzene

Concen: 29.174 ug/l

RT: 12.428 min Scan# 1

Delta R.T. -0.177 min

Lab File: VY015166.D

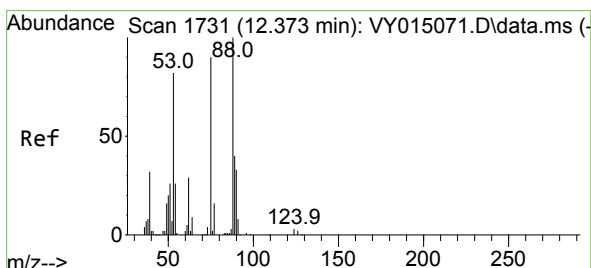
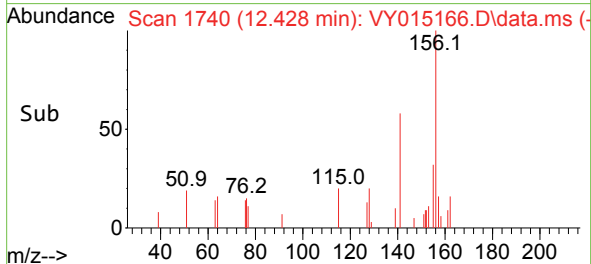
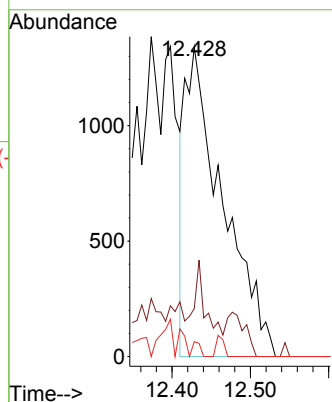
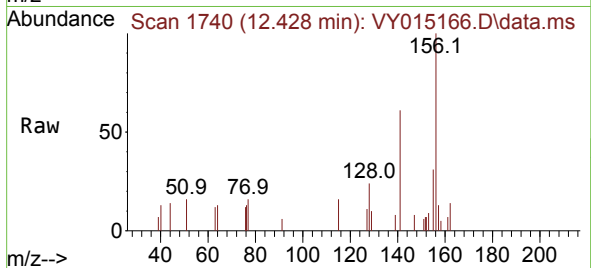
Acq: 17 Aug 2023 12:55

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:156	Resp:	4511
Ion Ratio	Lower	Upper
156	100	
77	8.6	92.8 278.6#
158	0.0	48.4 145.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 91.541 ug/l

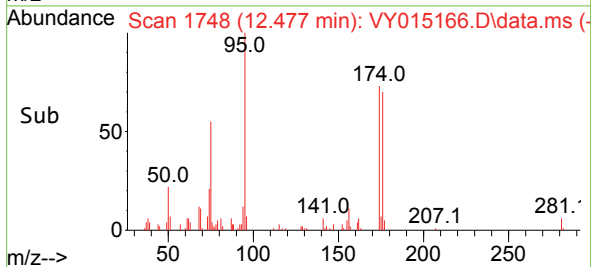
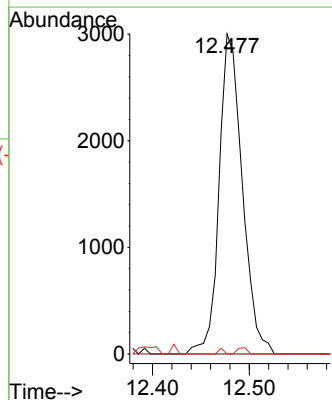
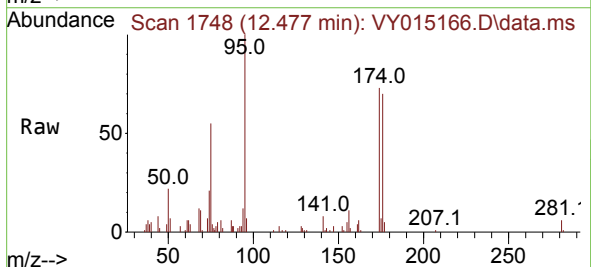
RT: 12.477 min Scan# 1748

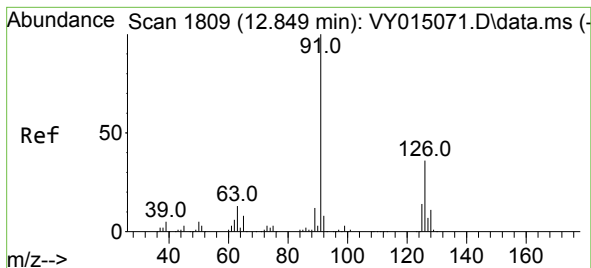
Delta R.T. 0.104 min

Lab File: VY015166.D

Acq: 17 Aug 2023 12:55

Tgt Ion: 75	Resp:	4995
Ion Ratio	Lower	Upper
75	100	
53	0.0	77.8 116.8#
89	0.4	37.4 56.0#

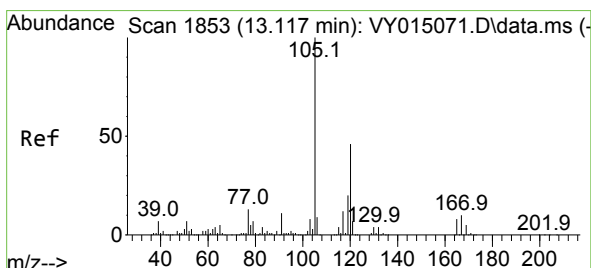
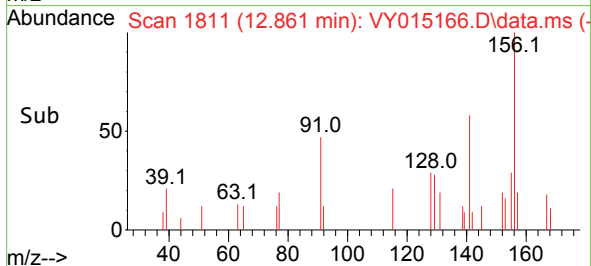
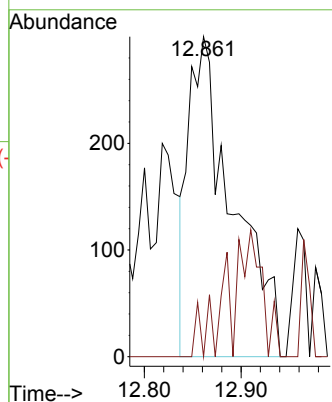
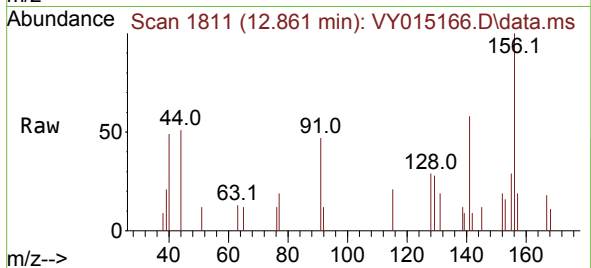




#82
4-Chlorotoluene
Concen: 2.121 ug/l
RT: 12.861 min Scan# 1811
Delta R.T. 0.006 min
Lab File: VY015166.D
Acq: 17 Aug 2023 12:55

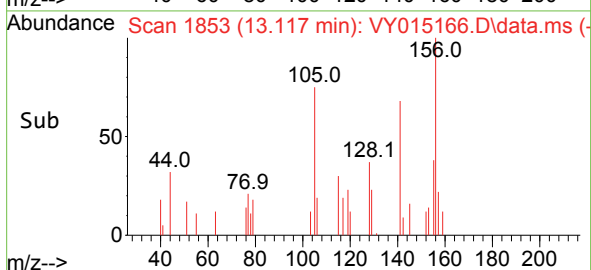
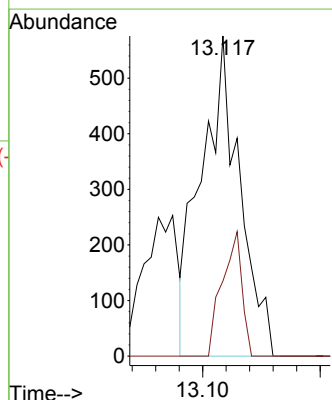
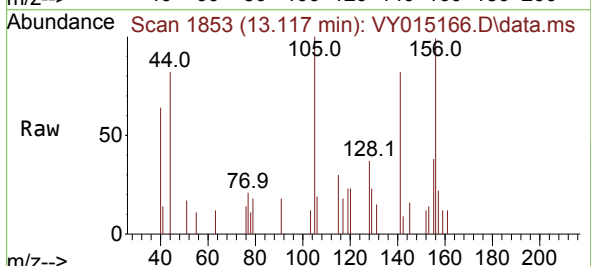
Instrument :
MSVOA_Y
ClientSampleId :

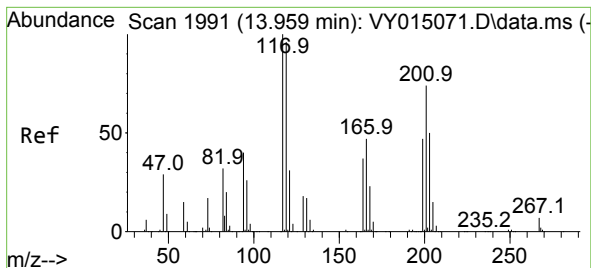
Tgt Ion: 91 Resp: 952
Ion Ratio Lower Upper
91 100
126 2.0 17.2 51.6#



#84
1,2,4-Trimethylbenzene
Concen: 2.468 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY015166.D
Acq: 17 Aug 2023 12:55

Tgt Ion: 105 Resp: 1304
Ion Ratio Lower Upper
105 100
120 20.2 22.2 66.6#

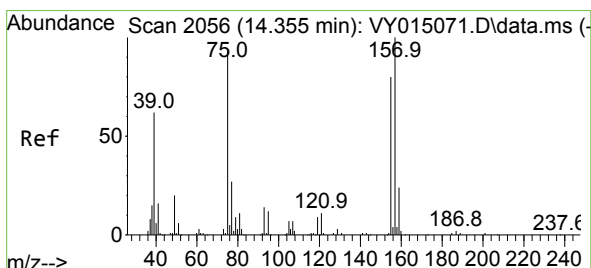
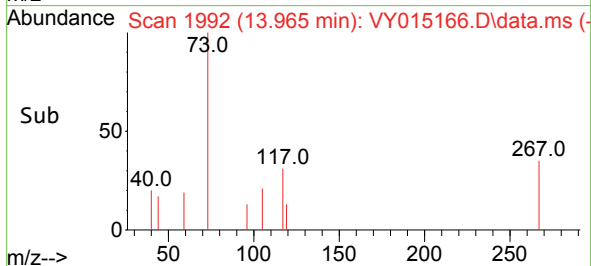
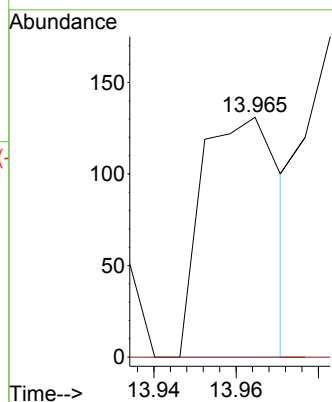
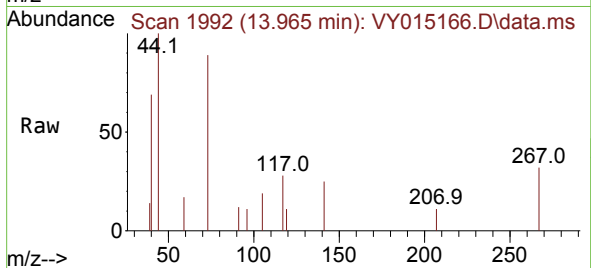




#90
Hexachloroethane
Concen: 1.484 ug/l
RT: 13.965 min Scan# 1991
Delta R.T. 0.006 min
Lab File: VY015166.D
Acq: 17 Aug 2023 12:55

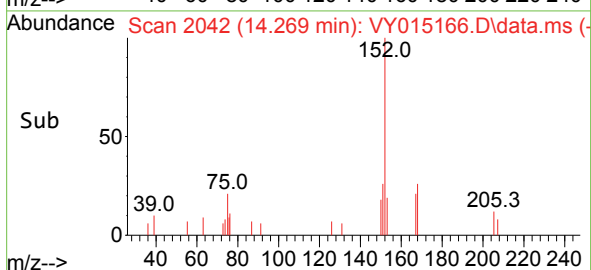
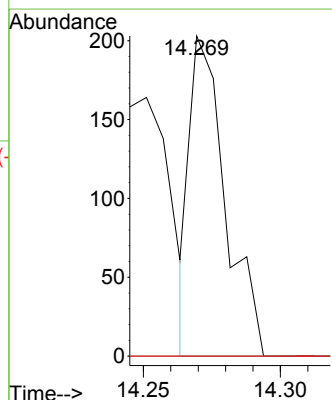
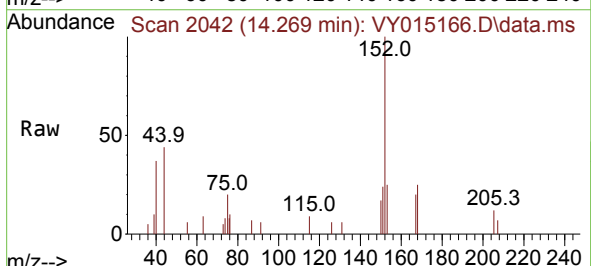
Instrument :
MSVOA_Y
ClientSampleId :

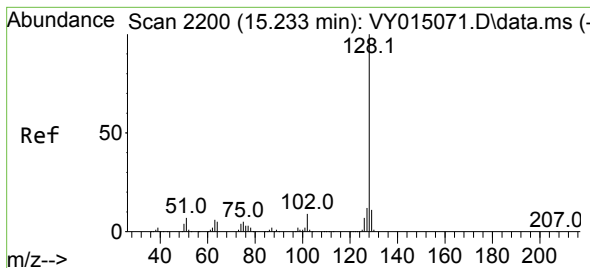
Tgt Ion:117 Resp: 173
Ion Ratio Lower Upper
117 100
201 0.0 41.6 124.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 5.687 ug/l
RT: 14.269 min Scan# 2042
Delta R.T. -0.085 min
Lab File: VY015166.D
Acq: 17 Aug 2023 12:55

Tgt Ion: 75 Resp: 182
Ion Ratio Lower Upper
75 100
155 0.0 41.5 124.6#
157 0.0 51.8 155.5#





#95

Naphthalene

Concen: 51.899 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. 0.006 min

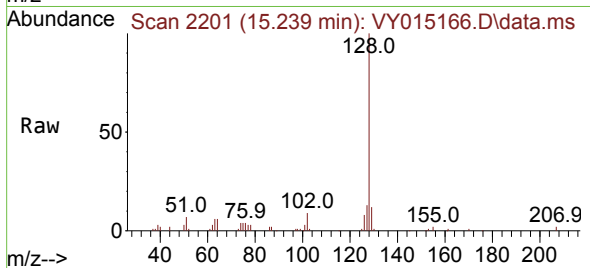
Lab File: VY015166.D

Acq: 17 Aug 2023 12:55

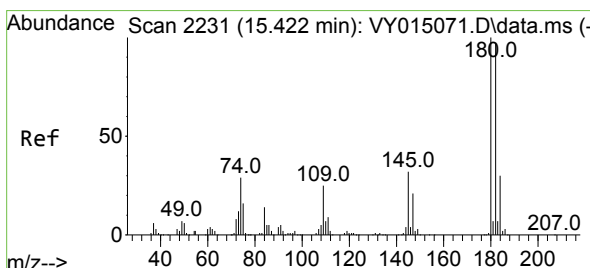
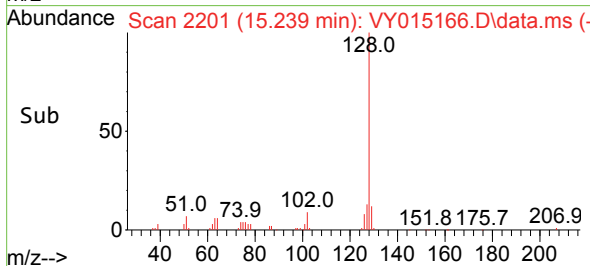
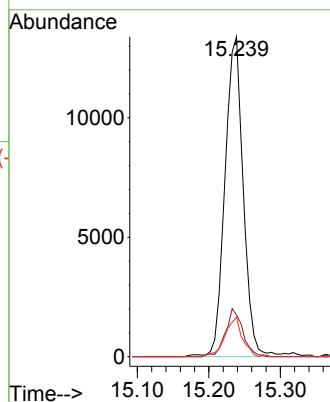
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	128	Resp:	23780
Ion Ratio	Lower	Upper	
128	100		
127	14.2	10.8	16.2
129	11.7	8.6	13.0



#96

1,2,3-Trichlorobenzene

Concen: 1.403 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY015166.D

Acq: 17 Aug 2023 12:55

Tgt Ion:	180	Resp:	233
Ion Ratio	Lower	Upper	
180	100		
182	71.7	47.3	141.8
145	0.0	15.4	46.2

