

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090723\
 Data File : VY015465.D
 Acq On : 07 Sep 2023 13:32
 Operator : SY/MD
 Sample : 04333-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 07 23:08:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

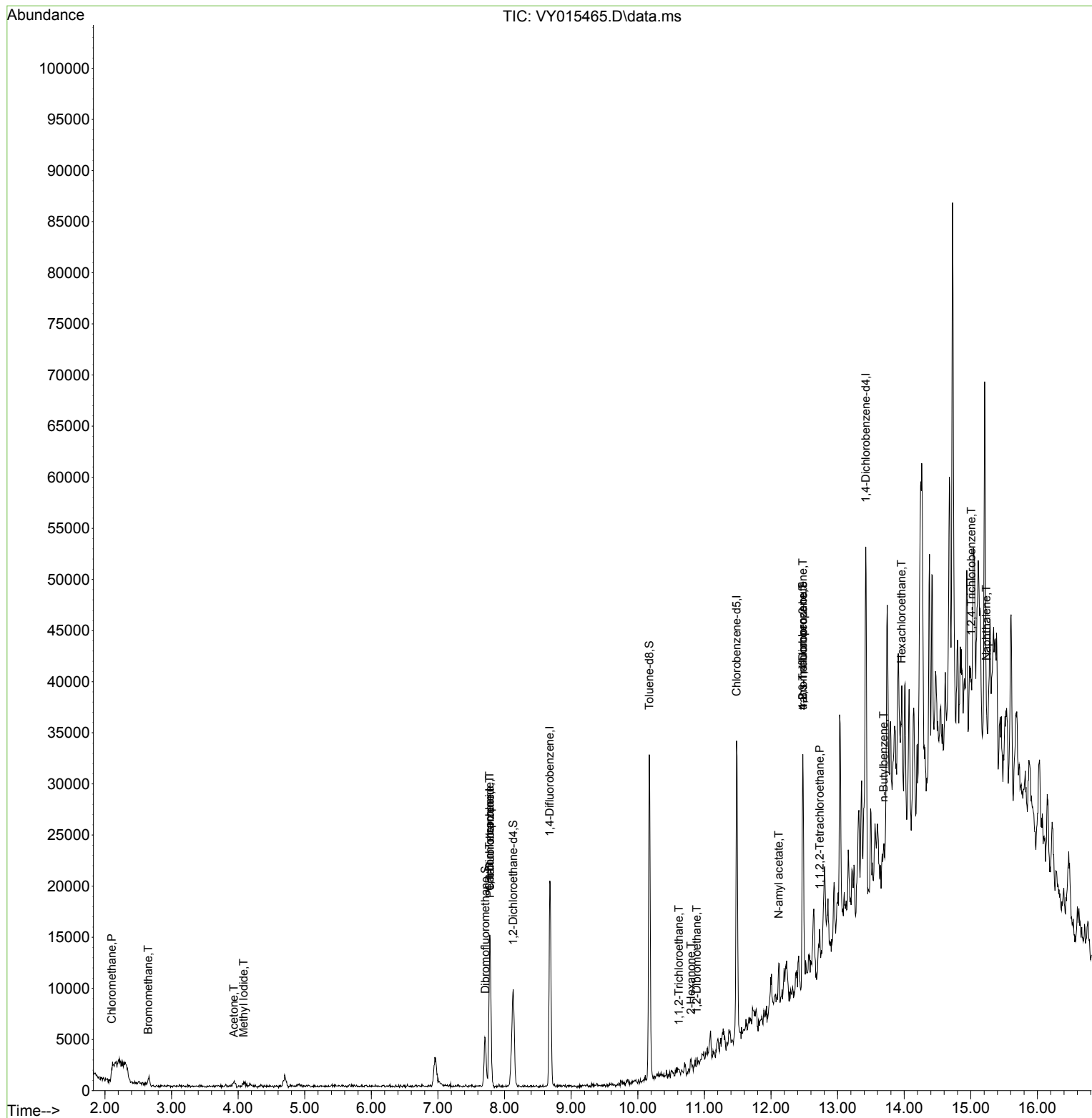
Internal Standards						
1) Pentafluorobenzene	7.783	168	11164	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	17622	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.484	117	15506	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	7513	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	6652	55.583	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.160%
35) Dibromofluoromethane	7.710	113	3434	33.833	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	67.660%
50) Toluene-d8	10.173	98	20780	56.534	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	113.060%
62) 4-Bromofluorobenzene	12.477	95	6969	51.072	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.140%
Target Compounds						
					Qvalue	
3) Chloromethane	2.101	50	343	2.661	ug/l #	43
5) Bromomethane	2.650	94	456	4.272	ug/l #	56
10) Methyl Iodide	4.082	142	721	5.220	ug/l #	67
11) Tert butyl alcohol	4.924	59	51	Below Cal	#	89
16) Acetone	3.936	43	685	13.713	ug/l	97
20) Methylene Chloride	4.698	84	753	Below Cal	#	85
36) 1,1-Dichloropropene	7.777	75	926	5.196	ug/l #	41
38) Carbon Tetrachloride	7.777	117	1228	6.671	ug/l #	12
55) 1,1,2-Trichloroethane	10.618	97	384	3.423	ug/l #	14
59) 2-Hexanone	10.801	43	704	6.791	ug/l #	27
61) 1,2-Dibromoethane	10.886	107	127	1.117	ug/l	85
74) N-amyl acetate	12.118	43	1208	6.372	ug/l #	71
75) 1,1,2,2-Tetrachloroethane	12.733	83	160	1.188	ug/l	68
76) 1,2,3-Trichloropropane	12.477	75	3506	35.190	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	3506	77.626	ug/l #	10
89) n-Butylbenzene	13.690	91	838	1.723	ug/l #	66
90) Hexachloroethane	13.959	117	480	5.193	ug/l #	8
93) 1,2,4-Trichlorobenzene	15.007	180	241	1.594	ug/l #	1
95) Naphthalene	15.233	128	1940	5.179	ug/l #	96

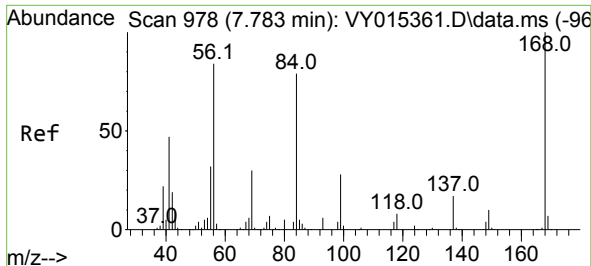
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Aug 31 20:01:47 2023
Response via : Initial Calibration

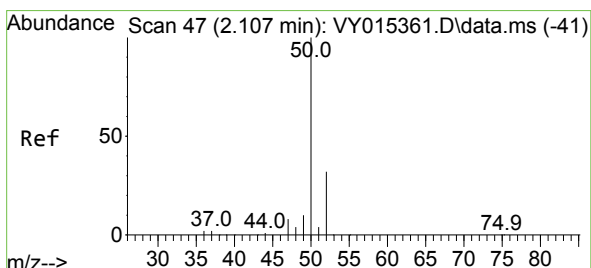
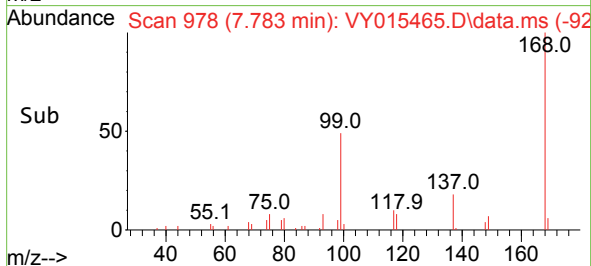
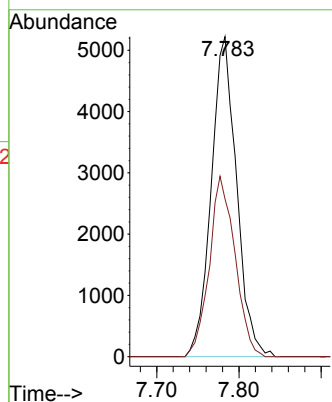
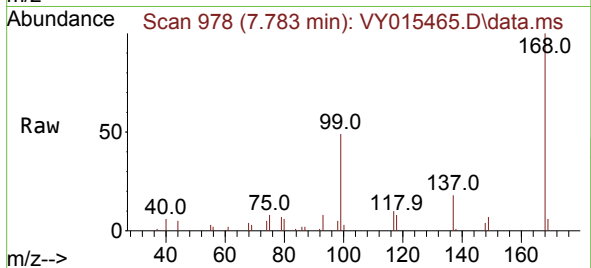




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY015465.D
Acq: 07 Sep 2023 13:32

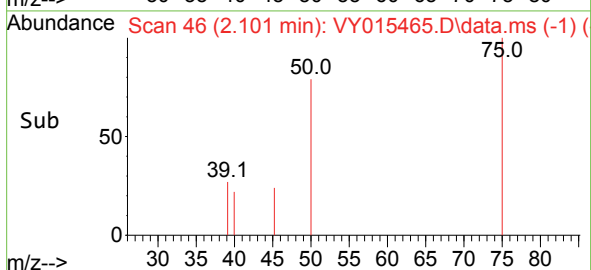
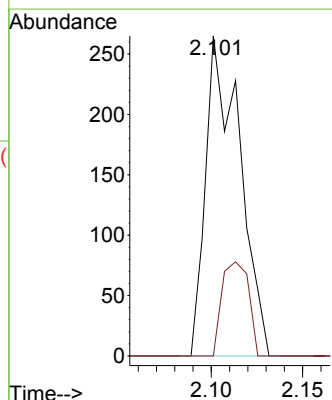
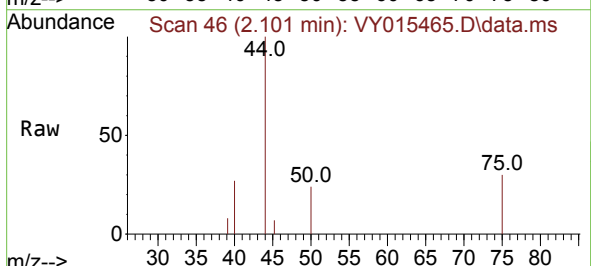
Instrument :
MSVOA_Y
ClientSampleId :

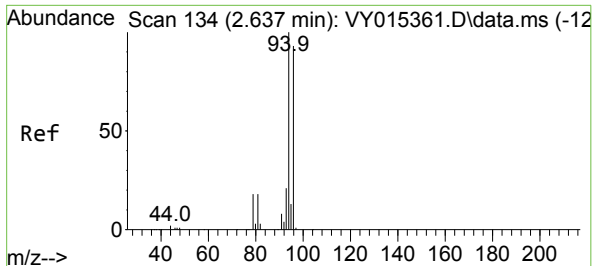
Tgt Ion:168 Resp: 11164
Ion Ratio Lower Upper
168 100
99 49.3 43.4 65.0



#3
Chloromethane
Concen: 2.661 ug/l
RT: 2.101 min Scan# 46
Delta R.T. -0.006 min
Lab File: VY015465.D
Acq: 07 Sep 2023 13:32

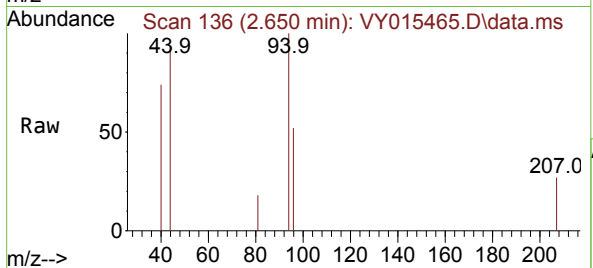
Tgt Ion: 50 Resp: 343
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#



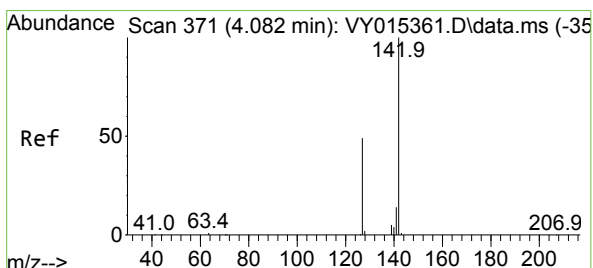
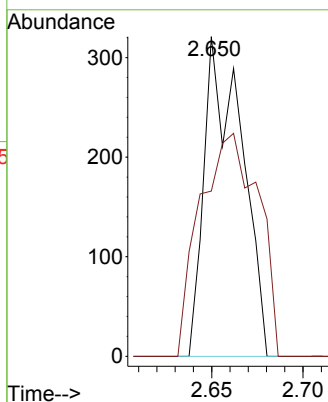
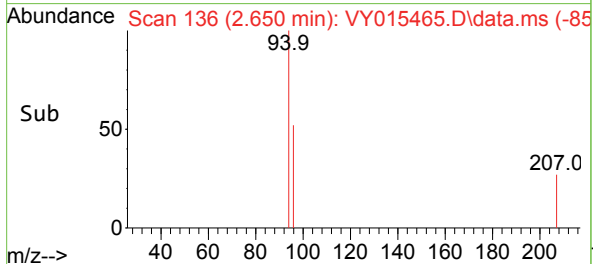


#5
Bromomethane
Concen: 4.272 ug/l
RT: 2.650 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY015465.D
Acq: 07 Sep 2023 13:32

Instrument :
MSVOA_Y
ClientSampleId :

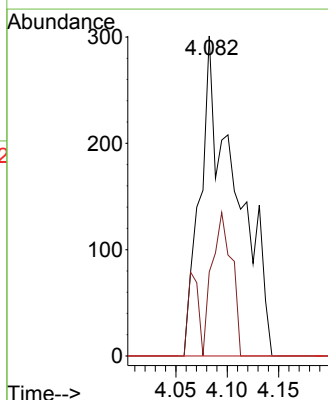
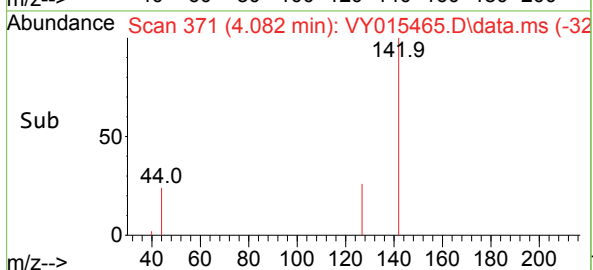
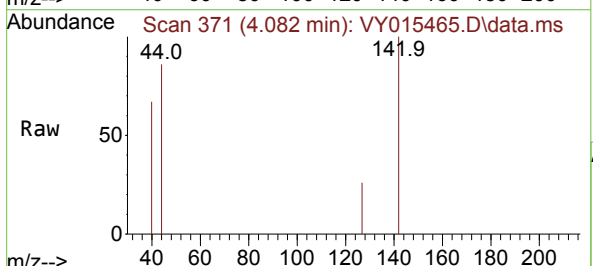


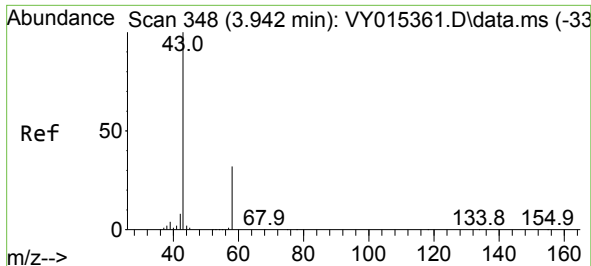
Tgt Ion: 94 Resp: 456
Ion Ratio Lower Upper
94 100
96 51.7 75.8 113.6#



#10
Methyl Iodide
Concen: 5.220 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.000 min
Lab File: VY015465.D
Acq: 07 Sep 2023 13:32

Tgt Ion:142 Resp: 721
Ion Ratio Lower Upper
142 100
127 25.1 37.6 56.4#
141 0.0 11.8 17.8#

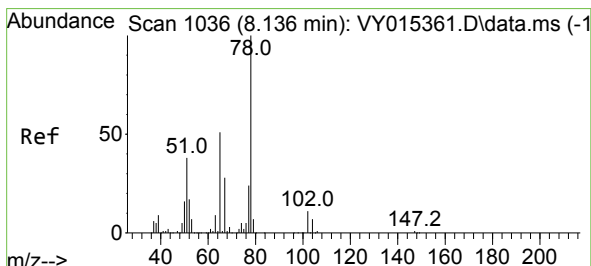
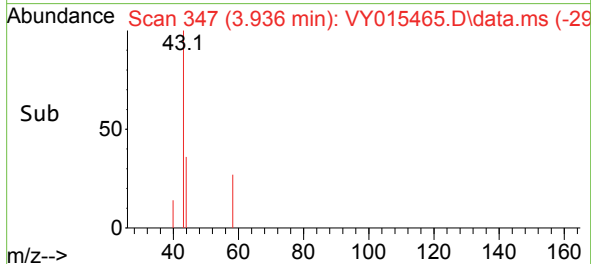
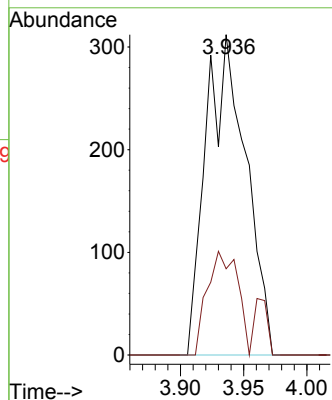
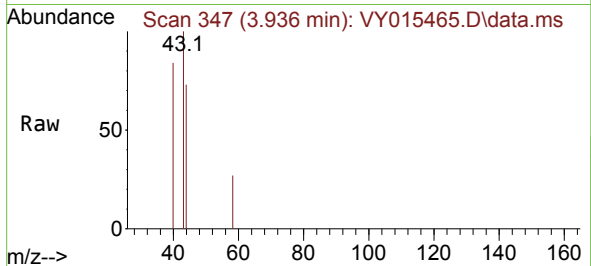




#16
Acetone
Concen: 13.713 ug/l
RT: 3.936 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY015465.D
Acq: 07 Sep 2023 13:32

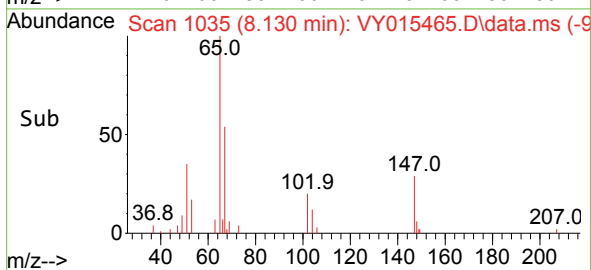
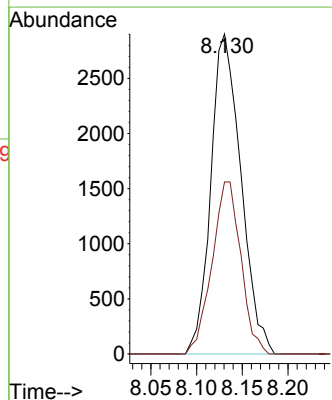
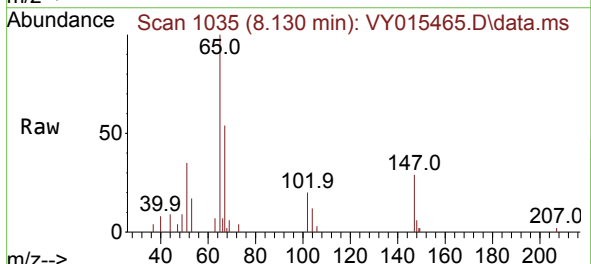
Instrument :
MSVOA_Y
ClientSampleId :

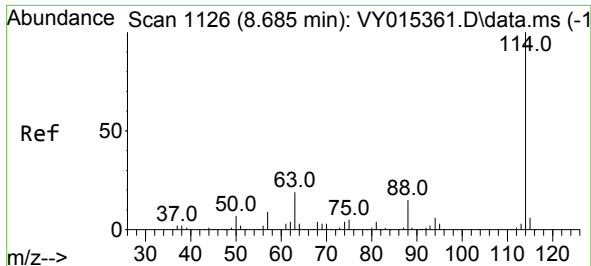
Tgt Ion: 43 Resp: 685
Ion Ratio Lower Upper
43 100
58 26.9 22.7 34.1



#33
1,2-Dichloroethane-d4
Concen: 55.583 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VY015465.D
Acq: 07 Sep 2023 13:32

Tgt Ion: 65 Resp: 6652
Ion Ratio Lower Upper
65 100
67 51.5 0.0 101.8

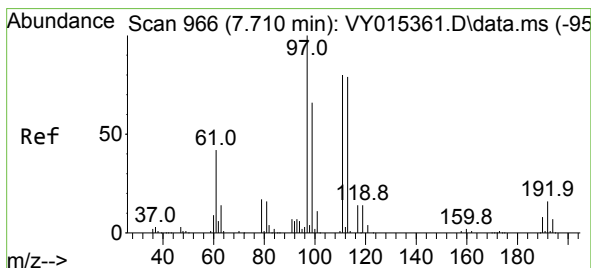
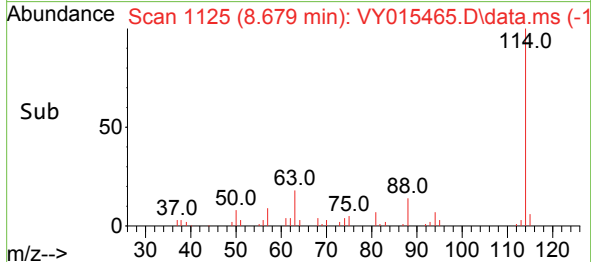
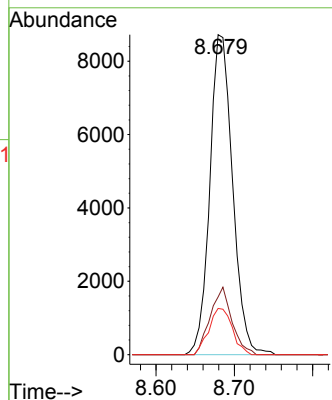
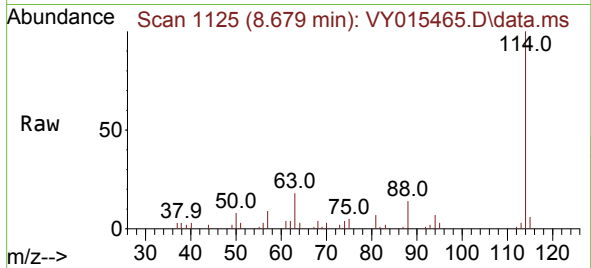




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.679 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY015465.D
Acq: 07 Sep 2023 13:32

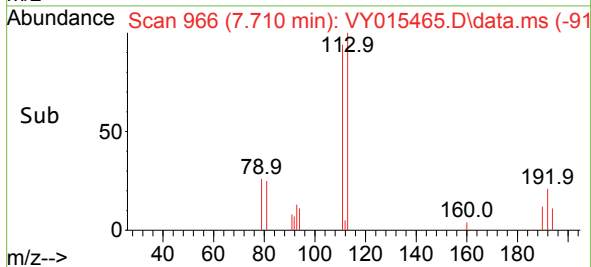
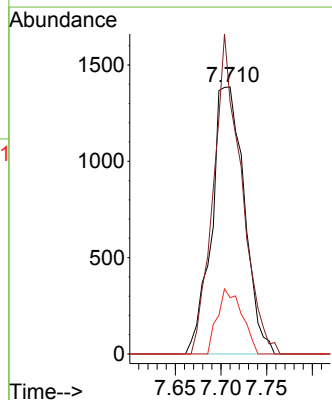
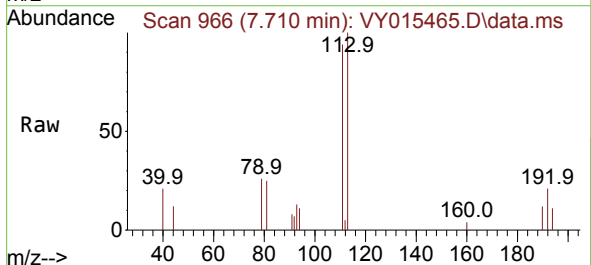
Instrument :
MSVOA_Y
ClientSampleId :

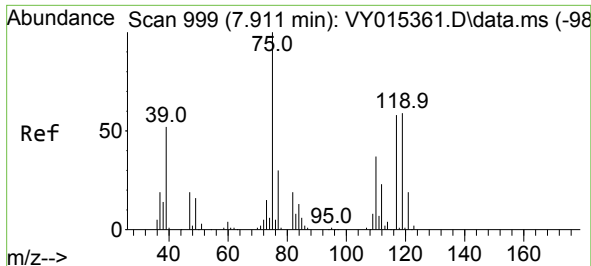
Tgt Ion:114 Resp: 17622
Ion Ratio Lower Upper
114 100
63 18.1 0.0 42.4
88 14.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 33.833 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY015465.D
Acq: 07 Sep 2023 13:32

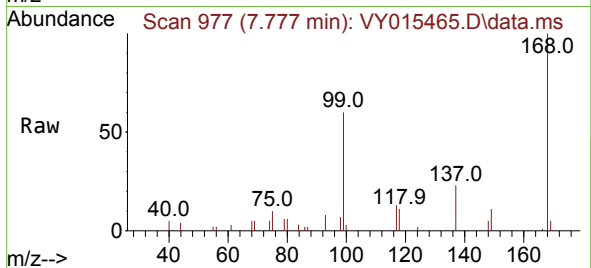
Tgt Ion:113 Resp: 3434
Ion Ratio Lower Upper
113 100
111 102.5 81.3 121.9
192 18.3 16.9 25.3



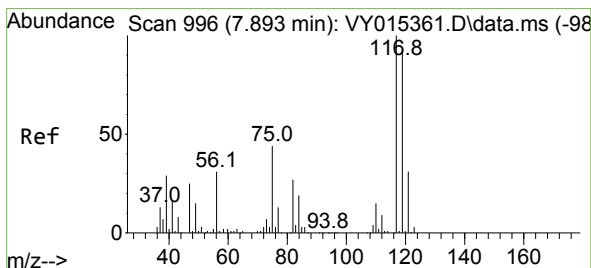
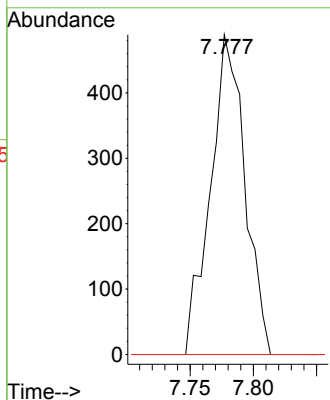
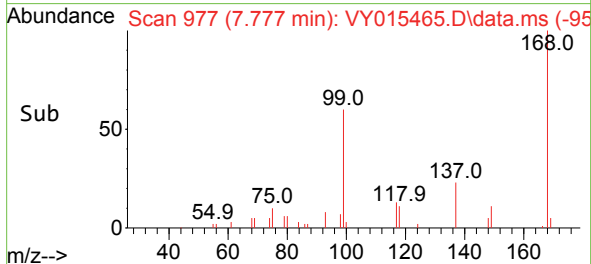


#36
1,1-Dichloropropene
Concen: 5.196 ug/l
RT: 7.777 min Scan# 911
Delta R.T. -0.134 min
Lab File: VY015465.D
Acq: 07 Sep 2023 13:32

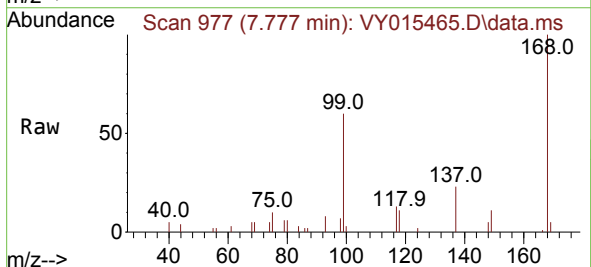
Instrument :
MSVOA_Y
ClientSampleId :



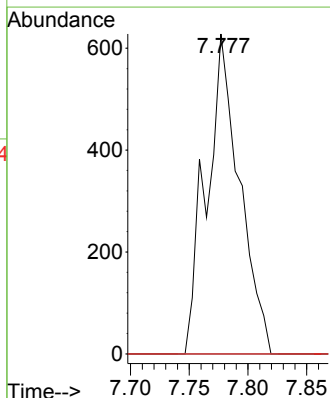
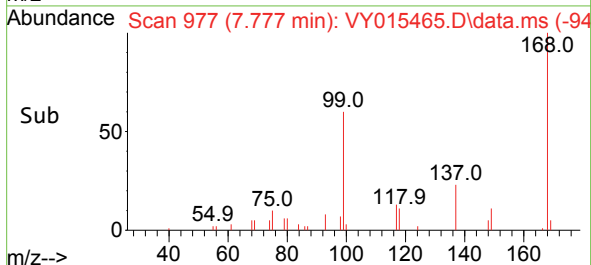
Tgt Ion: 75 Resp: 926
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.5#
77 0.0 24.4 36.6#

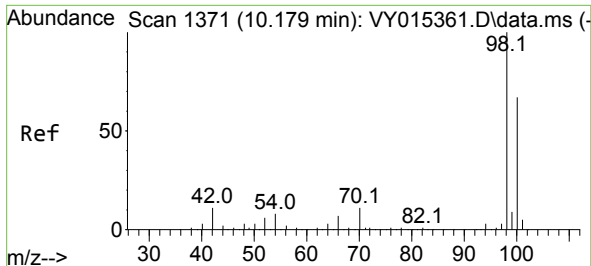


#38
Carbon Tetrachloride
Concen: 6.671 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.116 min
Lab File: VY015465.D
Acq: 07 Sep 2023 13:32



Tgt Ion: 117 Resp: 1228
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#

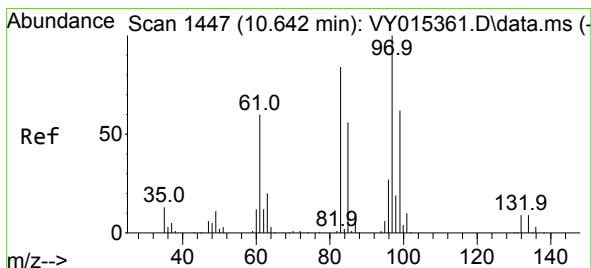
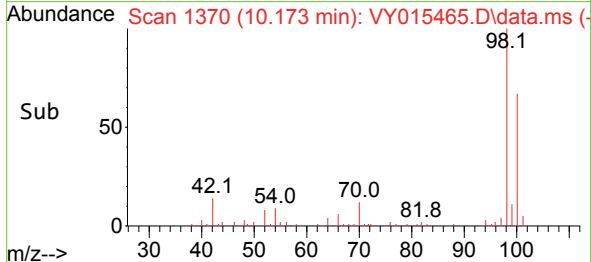
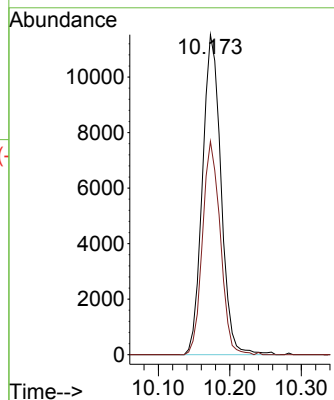
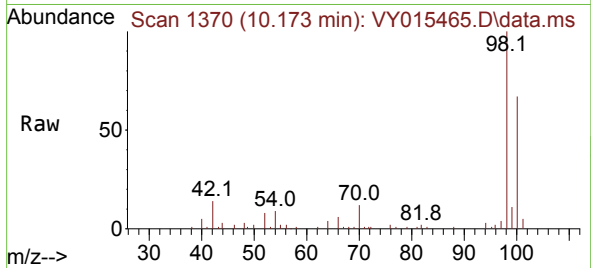




#50
Toluene-d8
Concen: 56.534 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY015465.D
Acq: 07 Sep 2023 13:32

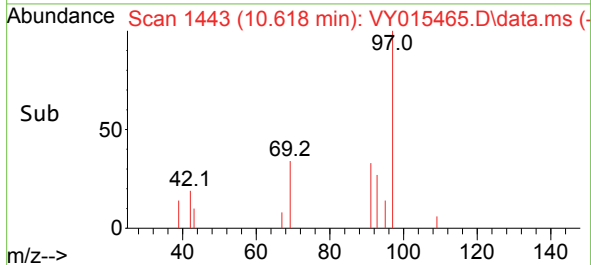
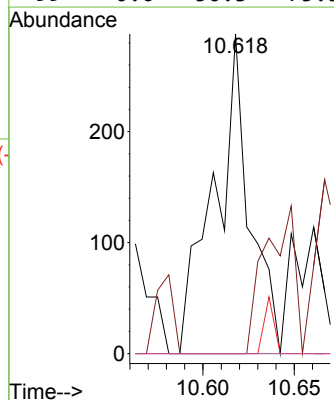
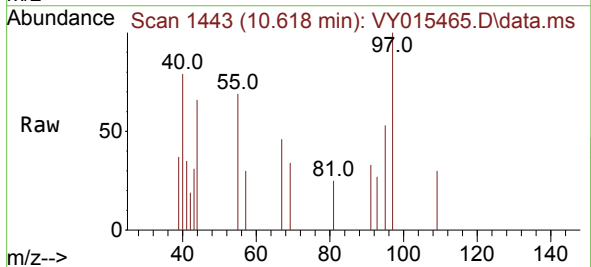
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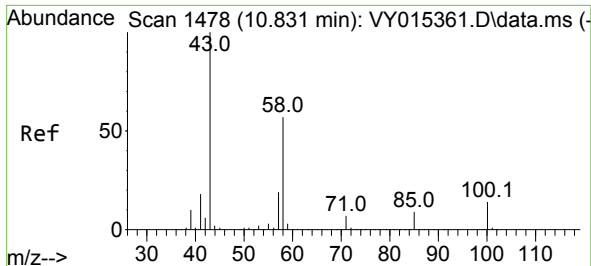
Tgt Ion: 98 Resp: 20780
Ion Ratio Lower Upper
98 100
100 63.7 50.1 75.1



#55
1,1,2-Trichloroethane
Concen: 3.423 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.024 min
Lab File: VY015465.D
Acq: 07 Sep 2023 13:32

Tgt Ion: 97 Resp: 384
Ion Ratio Lower Upper
97 100
83 0.0 72.0 108.0#
85 0.0 45.4 68.0#
99 0.0 50.3 75.5#





#59

2-Hexanone

Concen: 6.791 ug/l

RT: 10.801 min Scan# 1478

Delta R.T. -0.030 min

Lab File: VY015465.D

Acq: 07 Sep 2023 13:32

Instrument :

MSVOA_Y

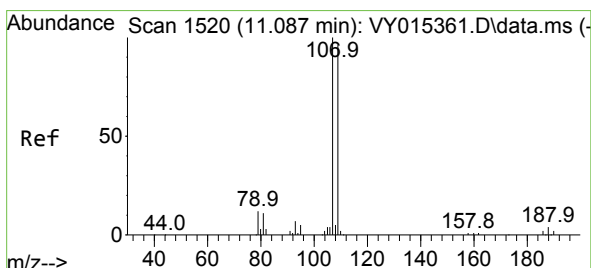
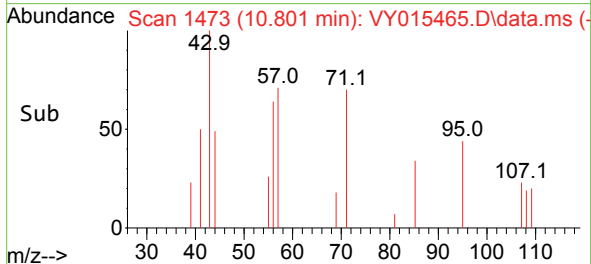
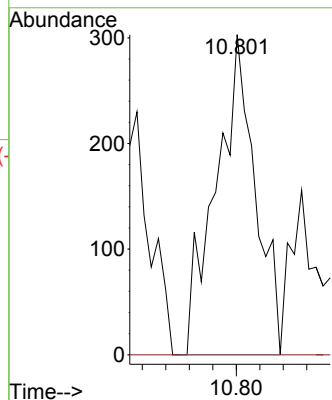
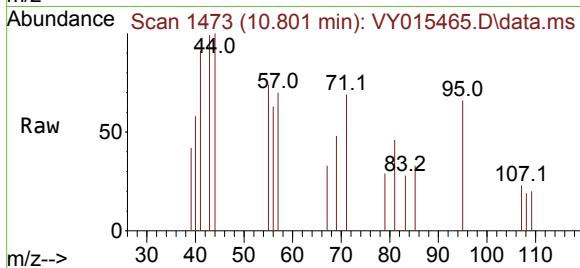
ClientSampleId :

Tgt Ion: 43 Resp: 704

Ion Ratio Lower Upper

43 100

58 0.0 25.1 75.3#



#61

1,2-Dibromoethane

Concen: 1.117 ug/l

RT: 10.886 min Scan# 1487

Delta R.T. -0.201 min

Lab File: VY015465.D

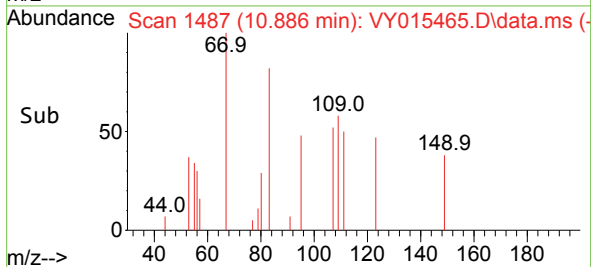
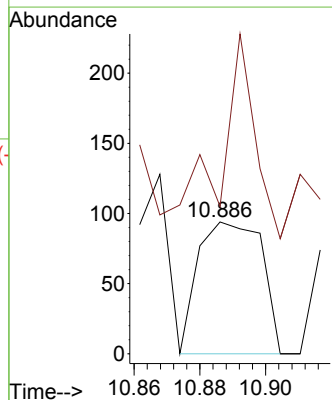
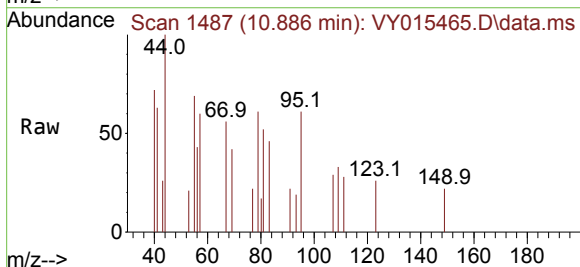
Acq: 07 Sep 2023 13:32

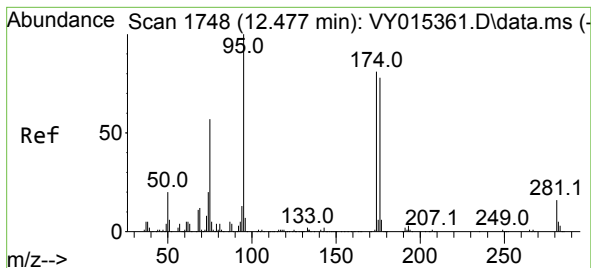
Tgt Ion: 107 Resp: 127

Ion Ratio Lower Upper

107 100

109 80.3 75.6 113.4

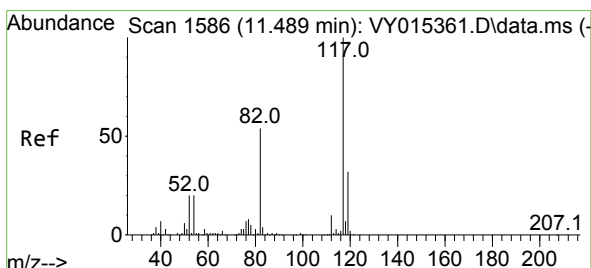
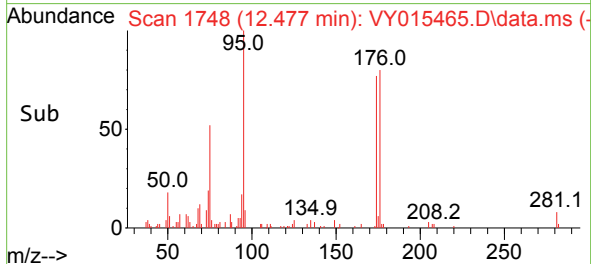
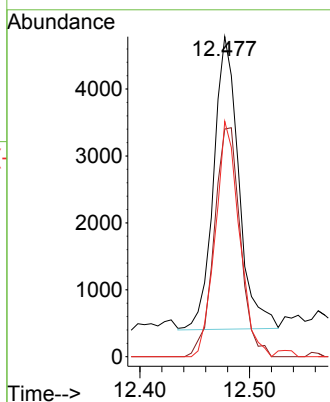
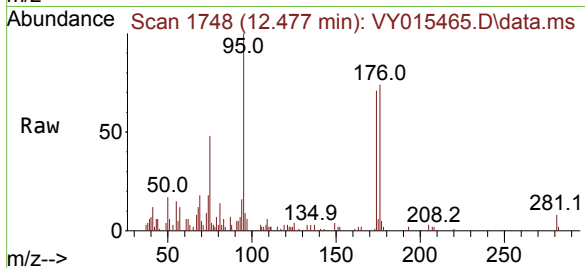




#62
4-Bromofluorobenzene
Concen: 51.072 ug/l
RT: 12.477 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY015465.D
Acq: 07 Sep 2023 13:32

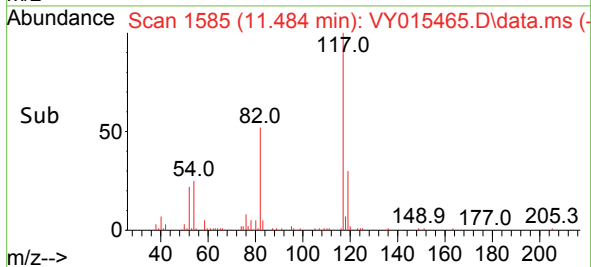
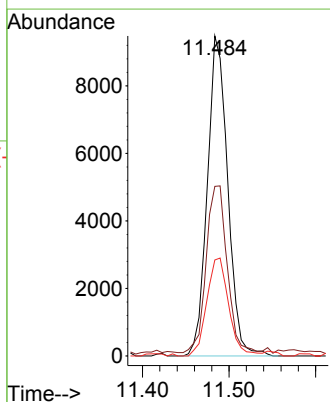
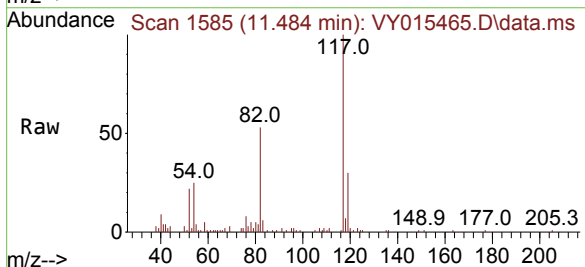
Instrument :
MSVOA_Y
ClientSampleId :

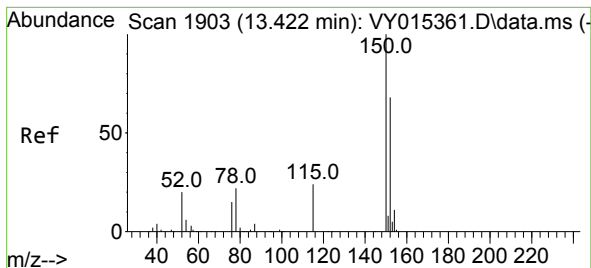
Tgt Ion: 95 Resp: 6969
Ion Ratio Lower Upper
95 100
174 81.4 0.0 178.2
176 77.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.484 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY015465.D
Acq: 07 Sep 2023 13:32

Tgt Ion: 117 Resp: 15506
Ion Ratio Lower Upper
117 100
82 51.9 43.4 65.0
119 30.0 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

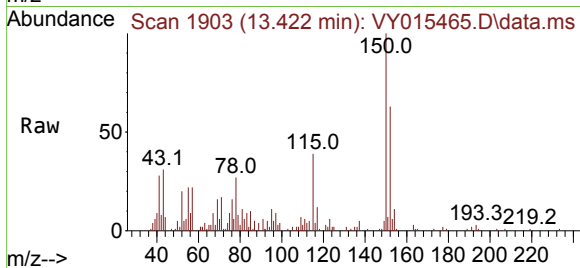
Lab File: VY015465.D

Acq: 07 Sep 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :



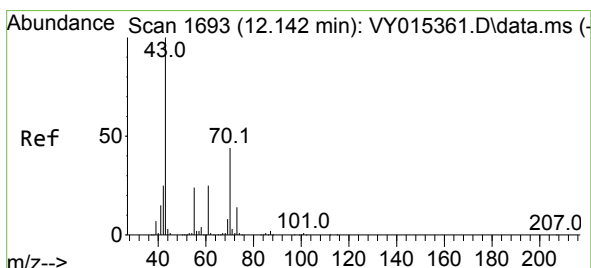
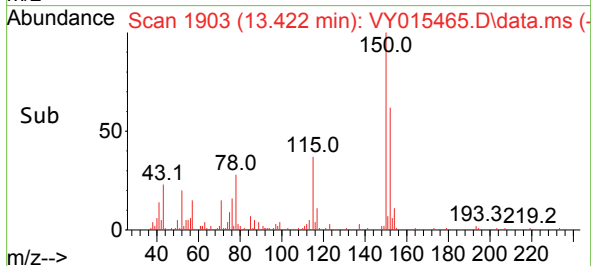
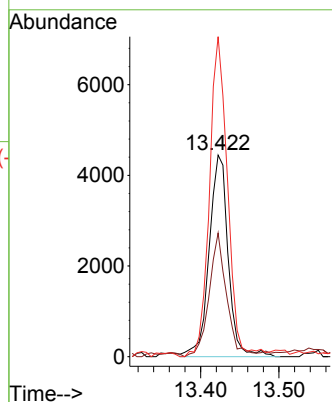
Tgt Ion:152 Resp: 7513

Ion Ratio Lower Upper

152 100

115 56.3 28.8 86.5

150 150.3 0.0 348.8



#74

N-ethyl acetate

Concen: 6.372 ug/l

RT: 12.118 min Scan# 1689

Delta R.T. -0.024 min

Lab File: VY015465.D

Acq: 07 Sep 2023 13:32

Tgt Ion: 43 Resp: 1208

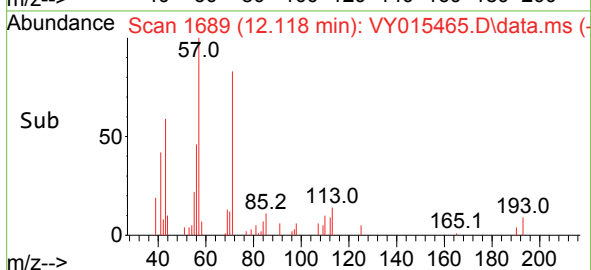
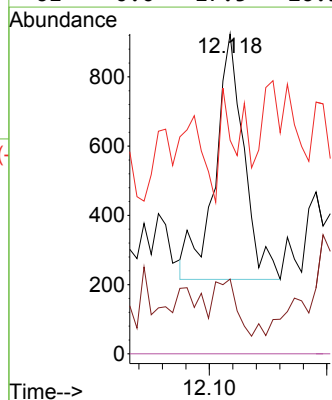
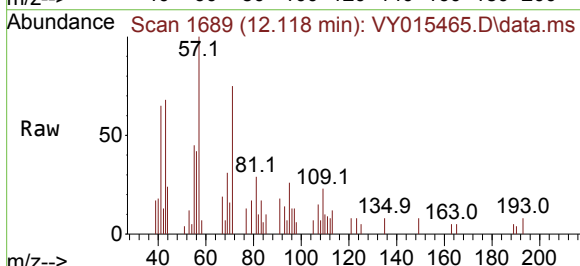
Ion Ratio Lower Upper

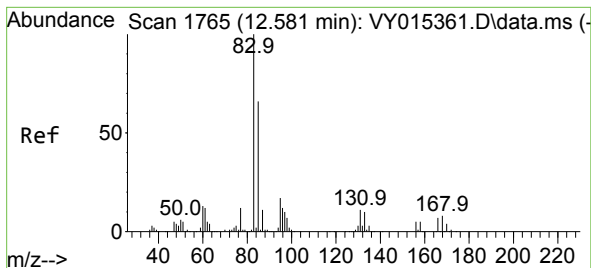
43 100

70 17.4 29.7 44.5#

55 19.5 18.3 27.5

61 0.0 17.5 26.3#





#75

1,1,2,2-Tetrachloroethane

Concen: 1.188 ug/l

RT: 12.733 min Scan# 1790

Delta R.T. 0.153 min

Lab File: VY015465.D

Acq: 07 Sep 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :

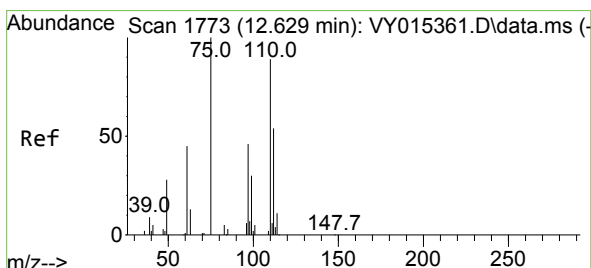
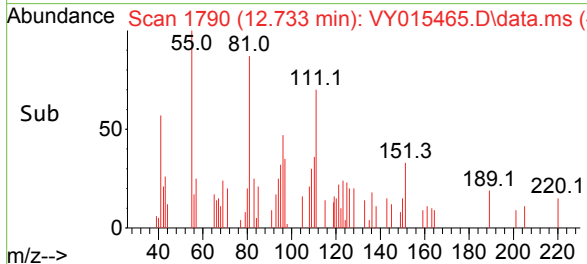
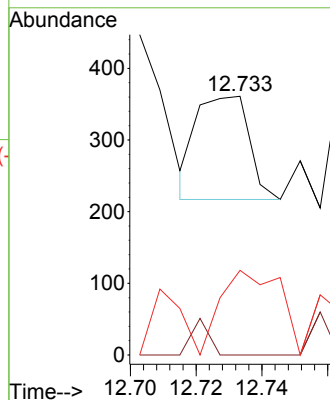
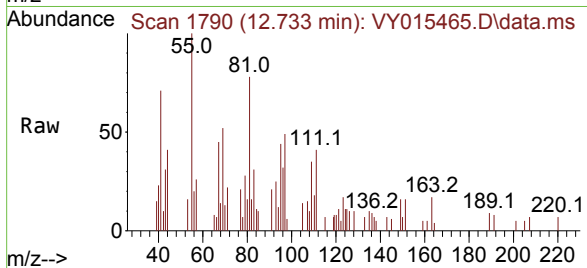
Tgt Ion: 83 Resp: 160

Ion Ratio Lower Upper

83 100

131 11.9 5.4 16.2

85 92.5 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 35.190 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015465.D

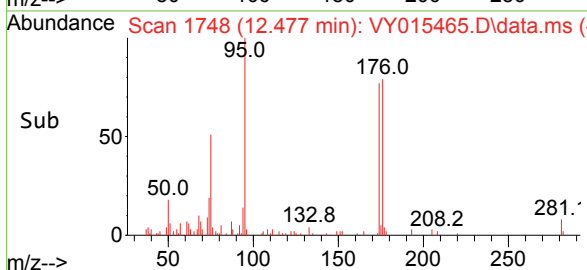
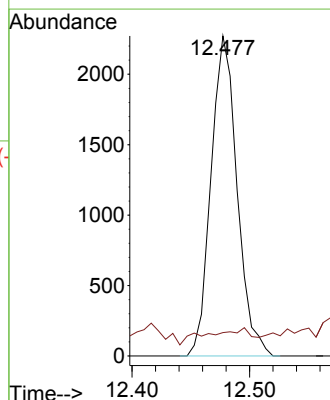
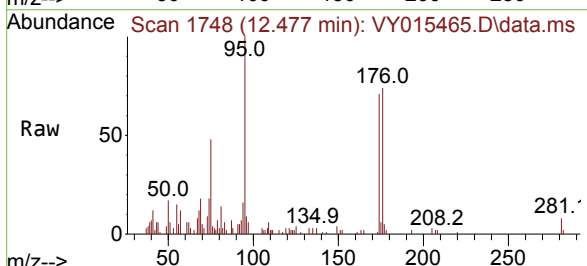
Acq: 07 Sep 2023 13:32

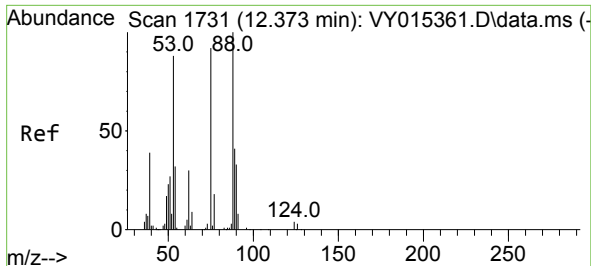
Tgt Ion: 75 Resp: 3506

Ion Ratio Lower Upper

75 100

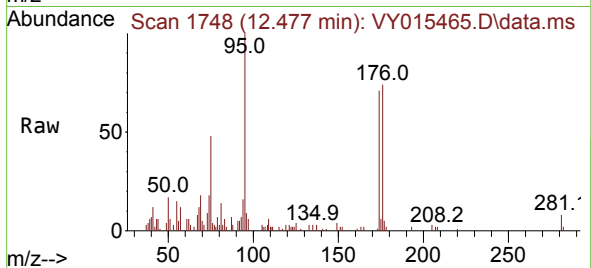
77 2.2 0.0 0.0#



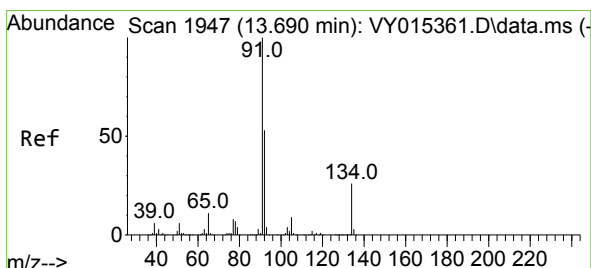
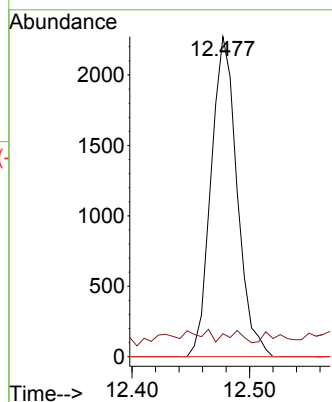
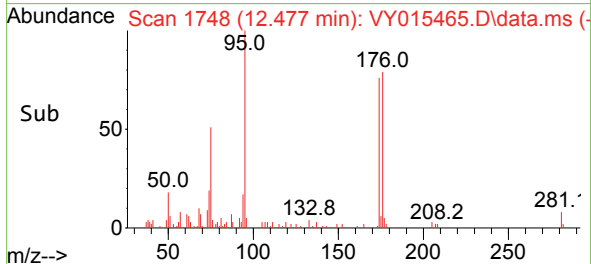


#81
trans-1,4-Dichloro-2-butene
Concen: 77.626 ug/l
RT: 12.477 min Scan# 1731
Delta R.T. 0.098 min
Lab File: VY015465.D
Acq: 07 Sep 2023 13:32

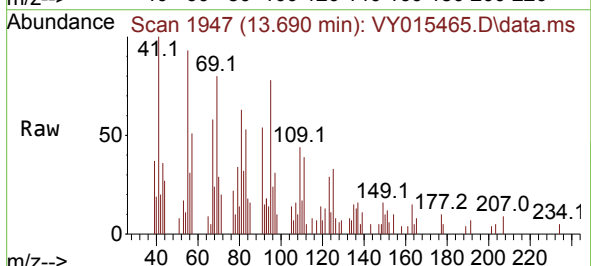
Instrument :
MSVOA_Y
ClientSampleId :



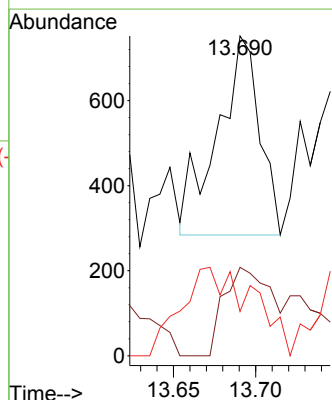
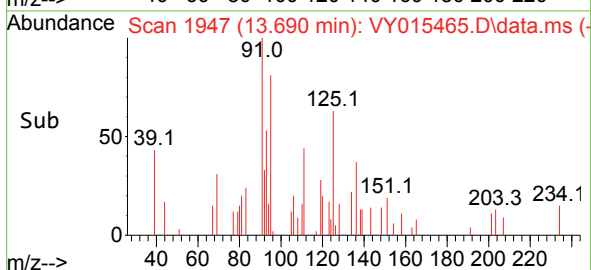
Tgt Ion: 75 Resp: 3506
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

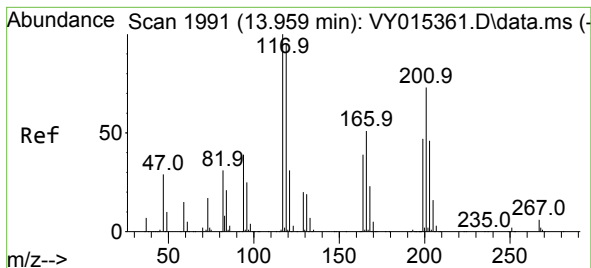


#89
n-Butylbenzene
Concen: 1.723 ug/l
RT: 13.690 min Scan# 1947
Delta R.T. -0.006 min
Lab File: VY015465.D
Acq: 07 Sep 2023 13:32



Tgt Ion: 91 Resp: 838
Ion Ratio Lower Upper
91 100
92 49.2 25.4 76.0
134 75.1 12.6 37.6#





#90

Hexachloroethane

Concen: 5.193 ug/l

RT: 13.959 min Scan# 1991

Delta R.T. 0.000 min

Lab File: VY015465.D

Acq: 07 Sep 2023 13:32

Instrument :

MSVOA_Y

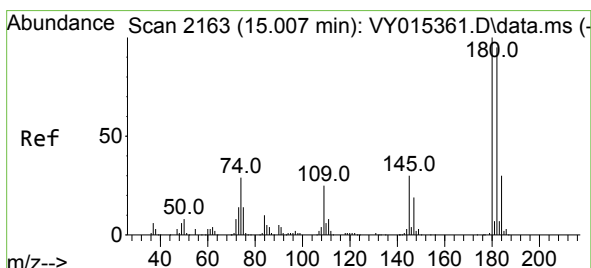
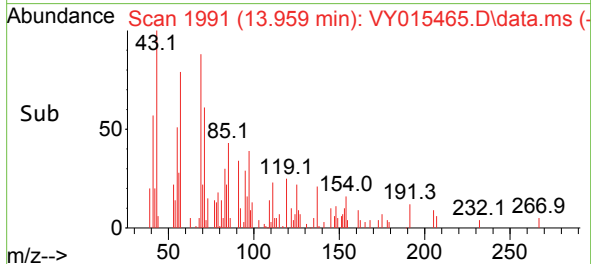
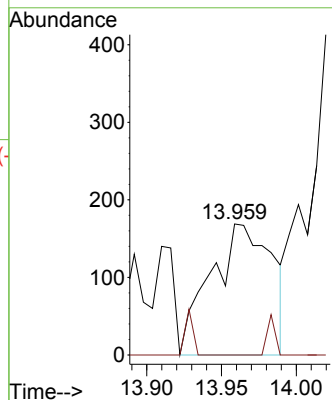
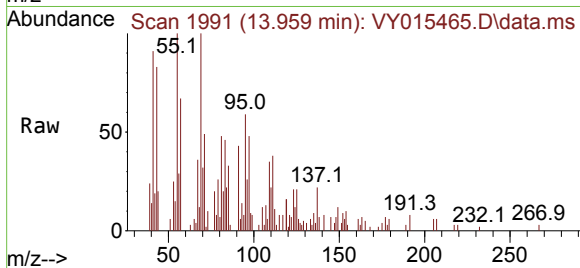
ClientSampleId :

Tgt Ion:117 Resp: 480

Ion Ratio Lower Upper

117 100

201 0.0 41.6 124.8#



#93

1,2,4-Trichlorobenzene

Concen: 1.594 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.006 min

Lab File: VY015465.D

Acq: 07 Sep 2023 13:32

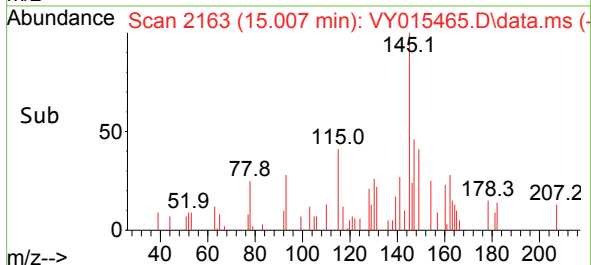
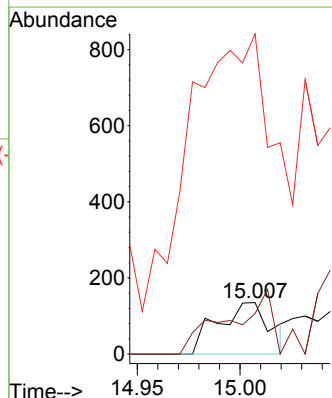
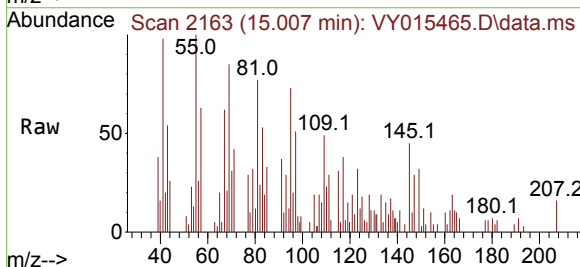
Tgt Ion:180 Resp: 241

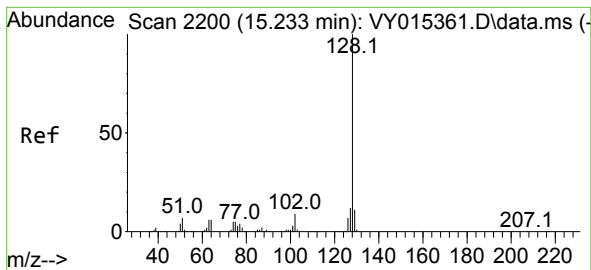
Ion Ratio Lower Upper

180 100

182 111.6 47.0 141.2

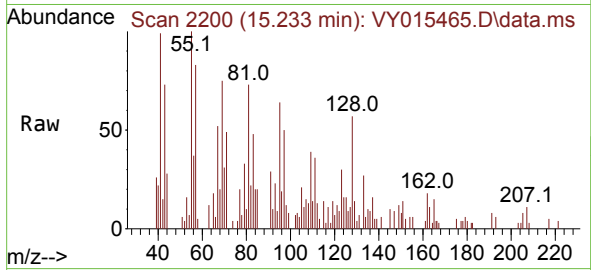
145 1001.7 14.5 43.5#





#95
Naphthalene
Concen: 5.179 ug/l
RT: 15.233 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY015465.D
Acq: 07 Sep 2023 13:32

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 1940
Ion Ratio Lower Upper
128 100
127 14.3 10.8 16.2
129 8.5 8.6 13.0#

