

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
 Data File : VY015206.D
 Acq On : 18 Aug 2023 19:21
 Operator : SY/MD
 Sample : 04086-19
 Misc : 5.10g/5.2mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 18 23:16:08 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)

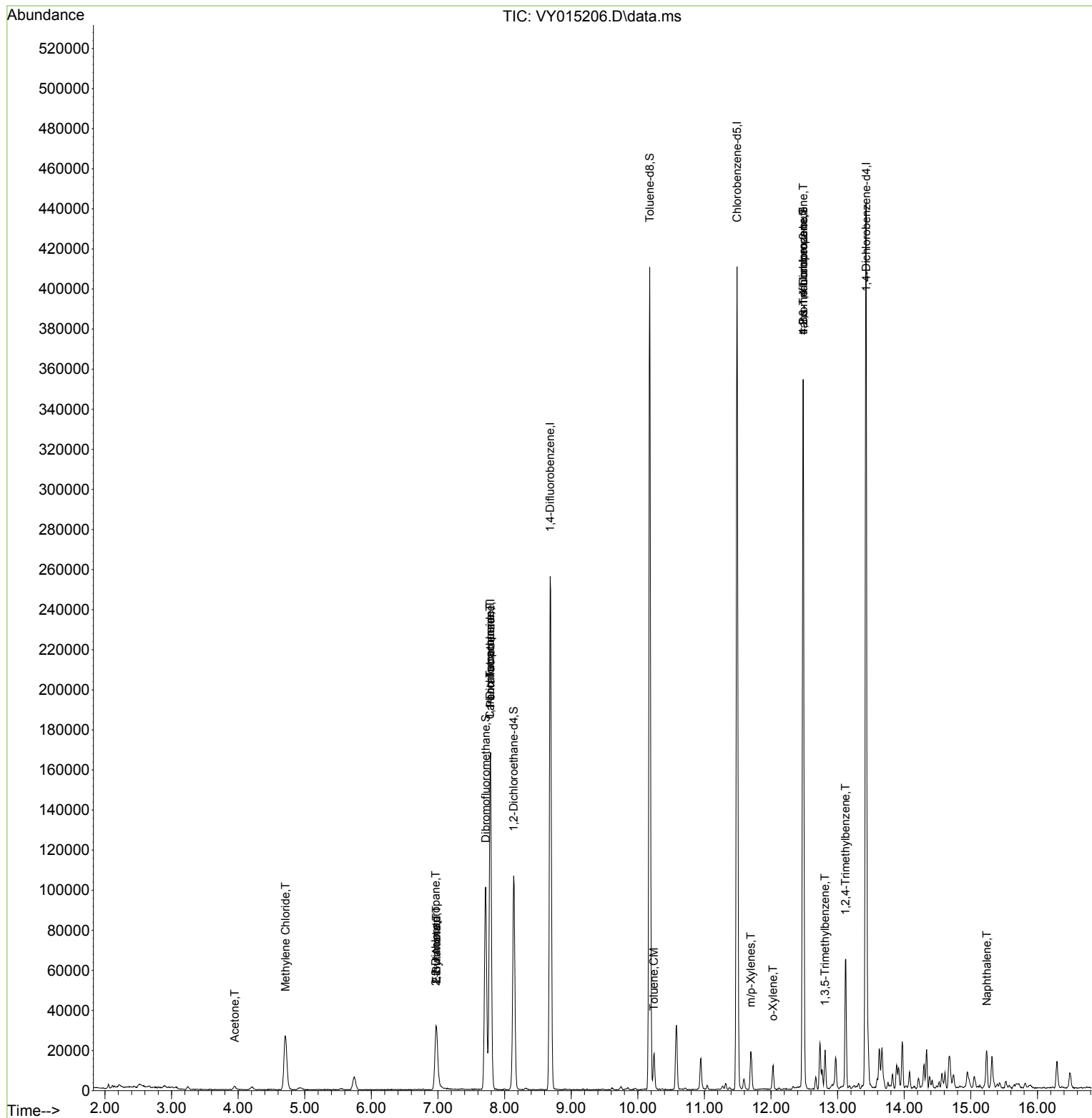
Internal Standards						
1) Pentafluorobenzene	7.789	168	130152	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	224524	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	221575	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	114252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	82960	53.099	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.200%			
35) Dibromofluoromethane	7.716	113	70037	48.487	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.980%			
50) Toluene-d8	10.179	98	264000	49.098	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.200%			
62) 4-Bromofluorobenzene	12.483	95	104040	52.975	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.940%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	27	Below Cal	#	43
3) Chloromethane	2.113	50	322	Below Cal		89
5) Bromomethane	2.650	94	176	Below Cal		94
11) Tert butyl alcohol	4.936	59	1236	Below Cal	#	89
16) Acetone	3.948	43	3048	5.972	ug/l	98
20) Methylene Chloride	4.710	84	21113	14.156	ug/l	88
25) 2-Butanone	6.978	43	2114	2.925	ug/l #	66
26) 2,2-Dichloropropane	6.966	77	2589	1.238	ug/l #	54
31) Cyclohexane	7.783	56	2667	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	10046	6.287	ug/l #	50
37) Ethyl Acetate	6.978	43	2114	1.419	ug/l #	1
38) Carbon Tetrachloride	7.783	117	12648	6.688	ug/l #	16
52) Toluene	10.240	92	7569	2.377	ug/l	90
68) m/p-Xylenes	11.697	106	5657	2.106	ug/l	99
69) o-Xylene	12.032	106	3107	1.161	ug/l	98
76) 1,2,3-Trichloropropane	12.483	75	55207	39.772	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	8659	1.414	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.483	75	55207	87.359	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.117	105	35847	5.858	ug/l	98
95) Naphthalene	15.239	128	15533	2.927	ug/l	99

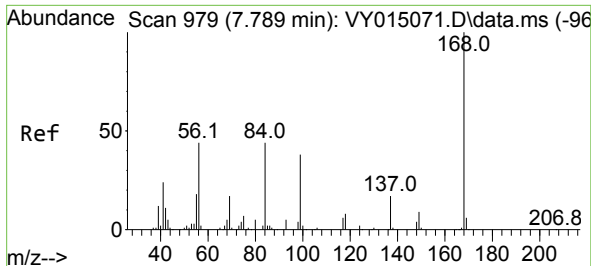
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 18 23:16:08 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

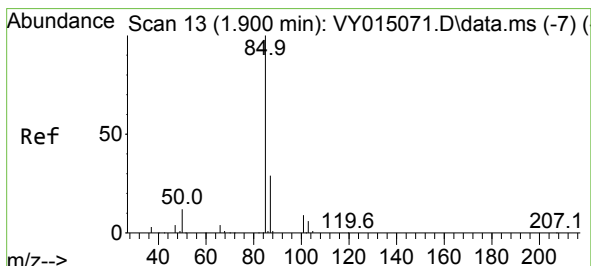
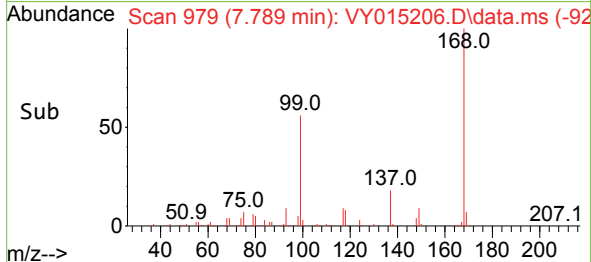
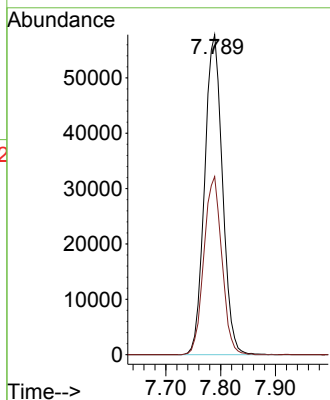
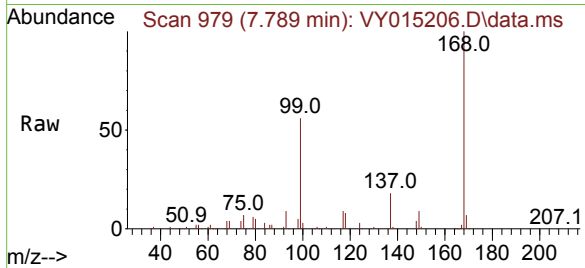




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015206.D
Acq: 18 Aug 2023 19:21

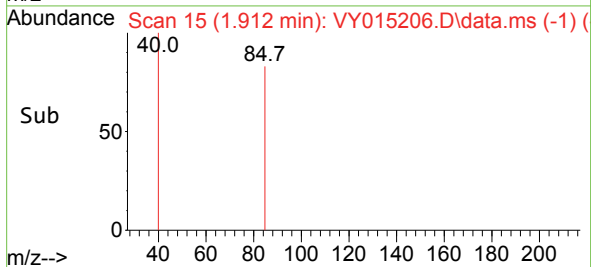
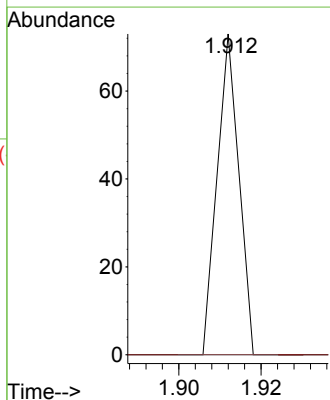
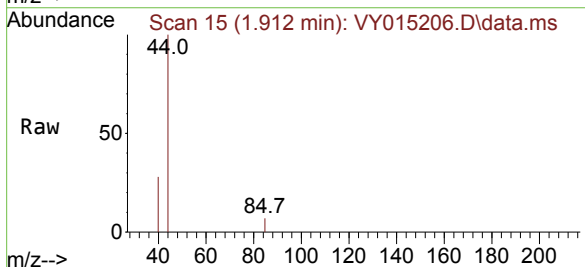
Instrument :
MSVOA_Y
ClientSampleId :

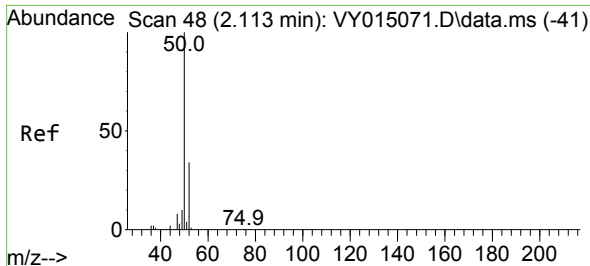
Tgt Ion:168 Resp: 130152
Ion Ratio Lower Upper
168 100
99 55.7 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.012 min
Lab File: VY015206.D
Acq: 18 Aug 2023 19:21

Tgt Ion: 85 Resp: 27
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

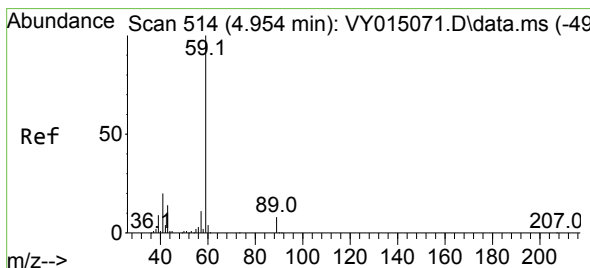
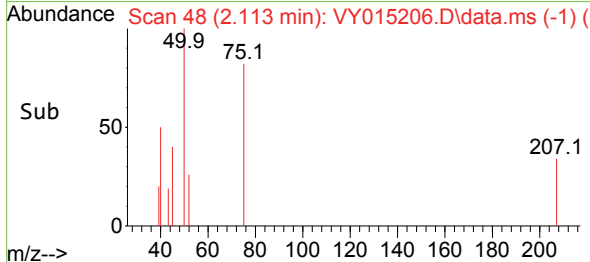
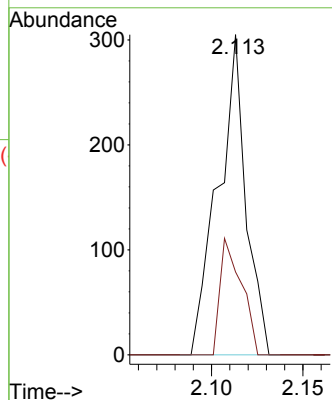
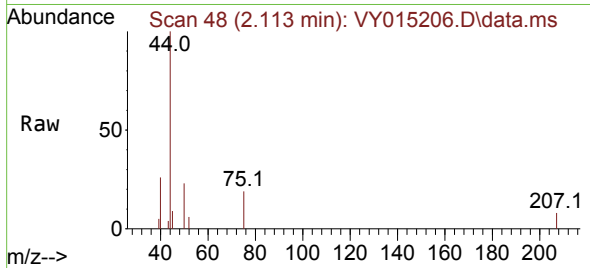




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY015206.D
Acq: 18 Aug 2023 19:21

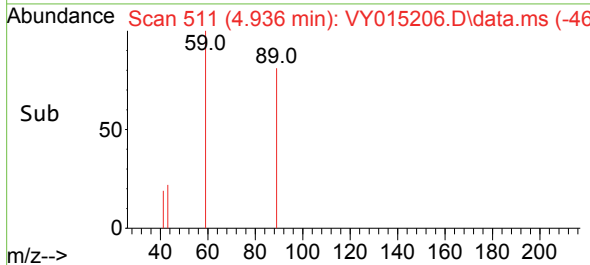
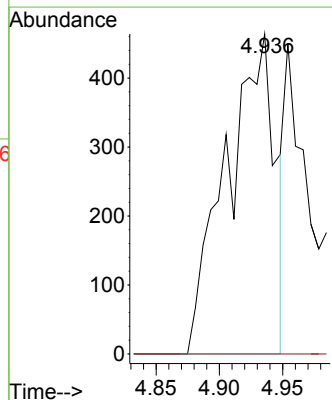
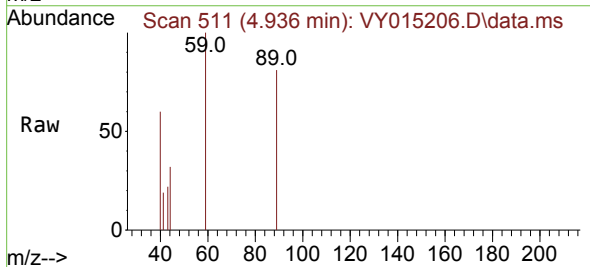
Instrument :
MSVOA_Y
ClientSampleId :

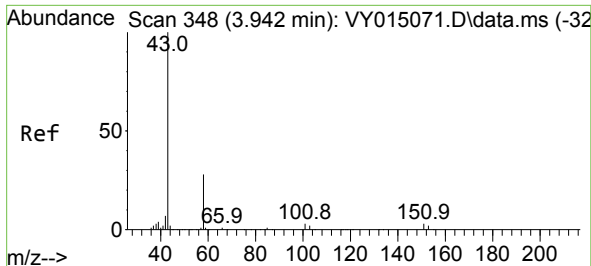
Tgt Ion: 50 Resp: 322
Ion Ratio Lower Upper
50 100
52 25.9 25.4 38.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY015206.D
Acq: 18 Aug 2023 19:21

Tgt Ion: 59 Resp: 1236
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

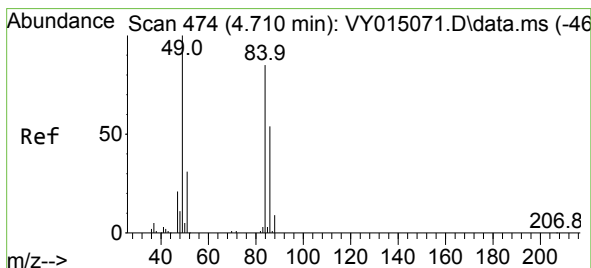
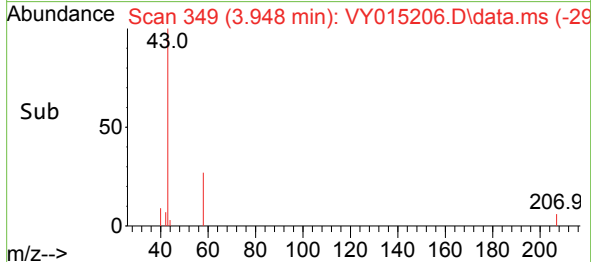
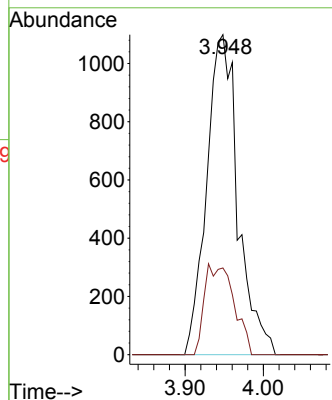
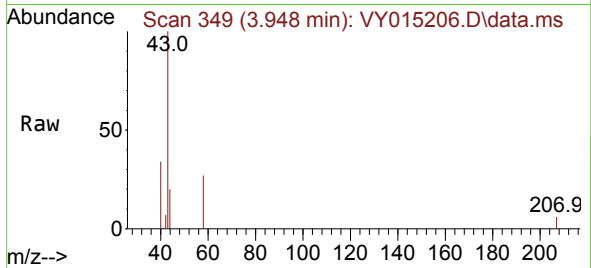




#16
Acetone
Concen: 5.972 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY015206.D
Acq: 18 Aug 2023 19:21

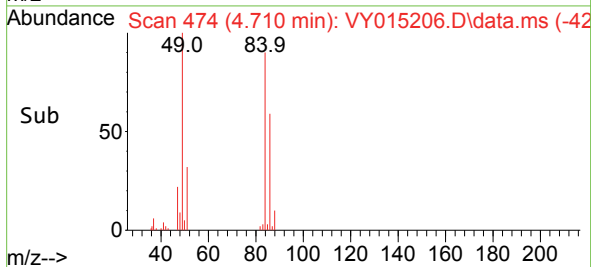
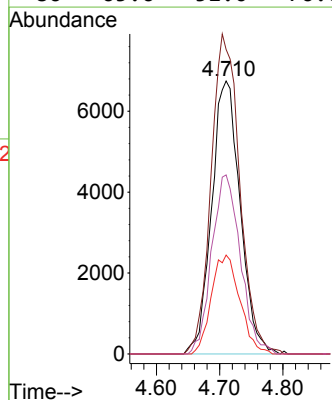
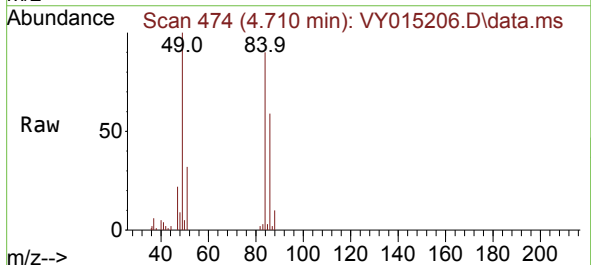
Instrument :
MSVOA_Y
ClientSampleId :

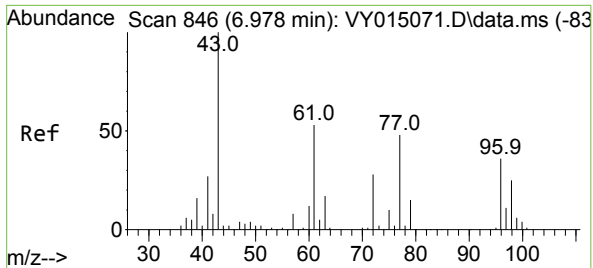
Tgt Ion: 43 Resp: 3048
Ion Ratio Lower Upper
43 100
58 27.1 22.7 34.1



#20
Methylene Chloride
Concen: 14.156 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY015206.D
Acq: 18 Aug 2023 19:21

Tgt Ion: 84 Resp: 21113
Ion Ratio Lower Upper
84 100
49 111.5 106.9 160.3
51 36.2 33.2 49.8
86 65.6 51.0 76.6

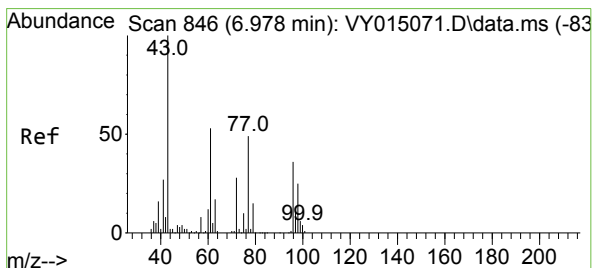
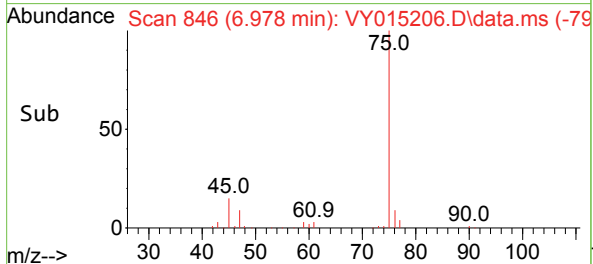
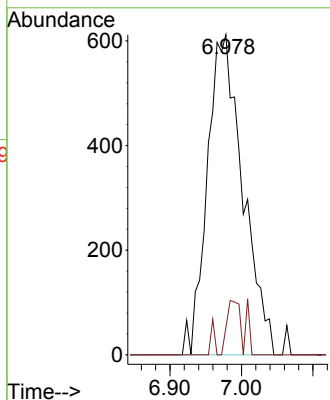
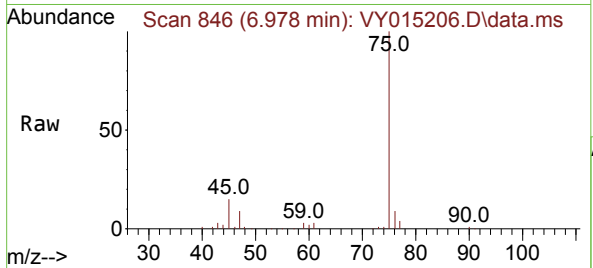




#25
2-Butanone
Concen: 2.925 ug/l
RT: 6.978 min Scan# 844
Delta R.T. 0.000 min
Lab File: VY015206.D
Acq: 18 Aug 2023 19:21

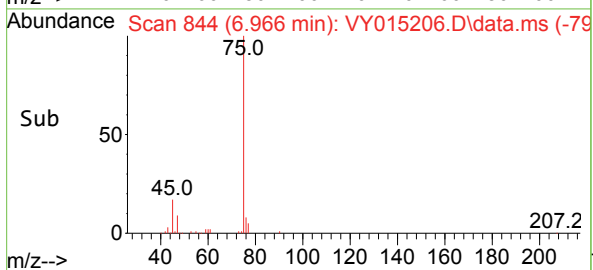
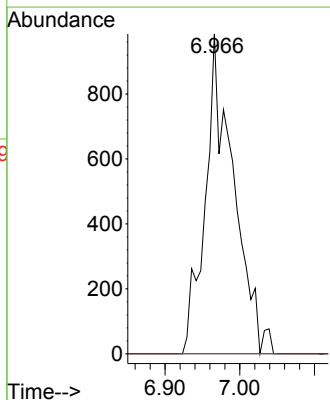
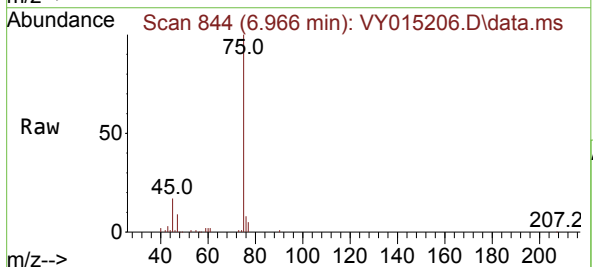
Instrument :
MSVOA_Y
ClientSampleId :

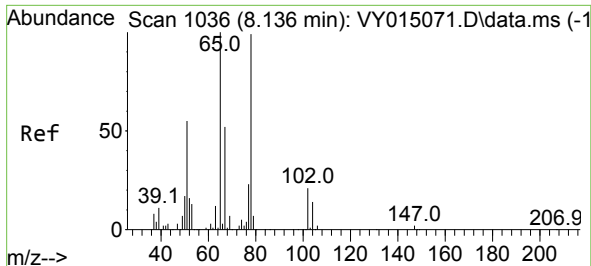
Tgt Ion: 43 Resp: 2114
Ion Ratio Lower Upper
43 100
72 8.5 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.238 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.006 min
Lab File: VY015206.D
Acq: 18 Aug 2023 19:21

Tgt Ion: 77 Resp: 2589
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#





#33

1,2-Dichloroethane-d4

Concen: 53.099 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015206.D

Acq: 18 Aug 2023 19:21

Instrument :

MSVOA_Y

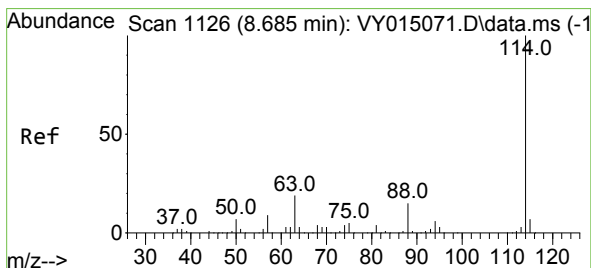
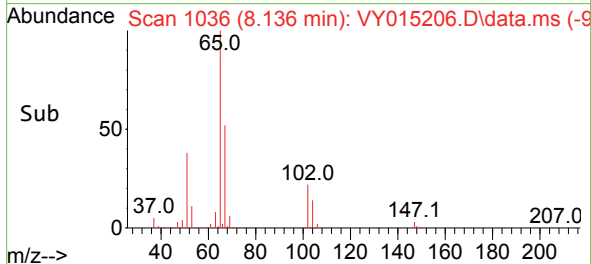
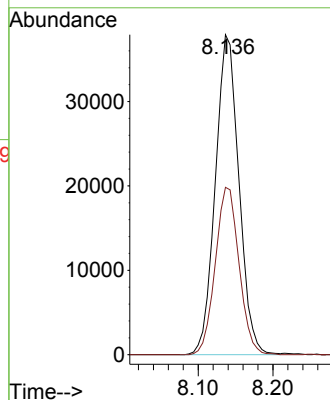
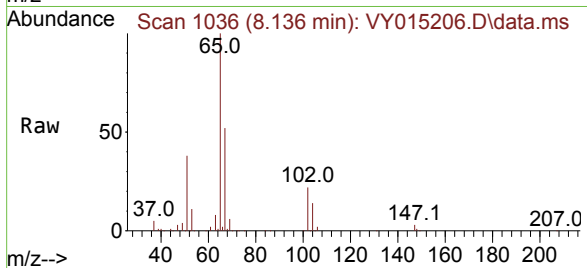
ClientSampleId :

Tgt Ion: 65 Resp: 82960

Ion Ratio Lower Upper

65 100

67 52.7 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: VY015206.D

Acq: 18 Aug 2023 19:21

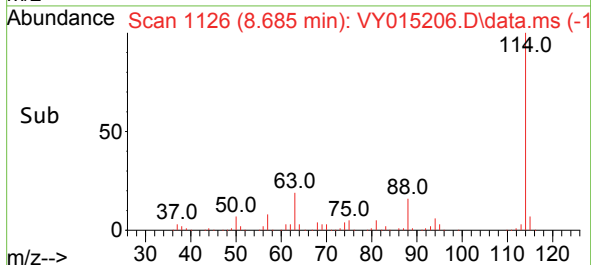
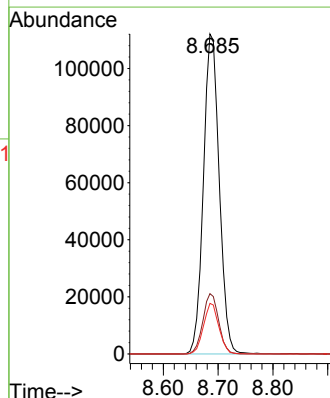
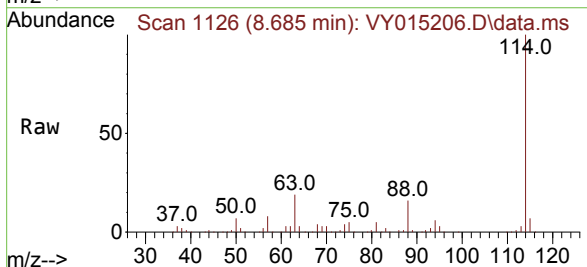
Tgt Ion: 114 Resp: 224524

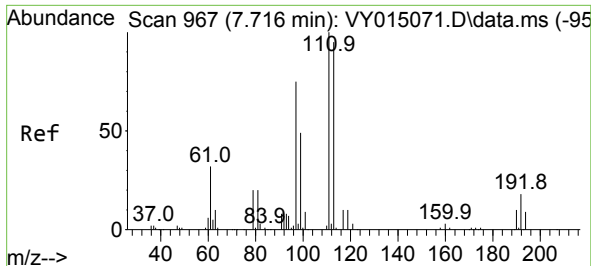
Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.4

88 15.8 0.0 30.6

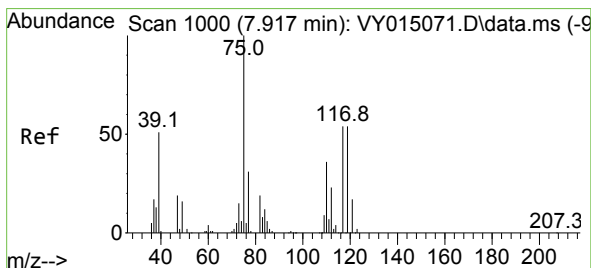
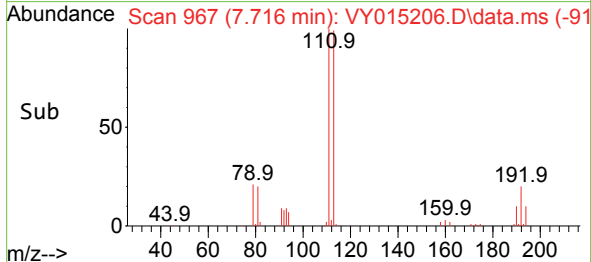
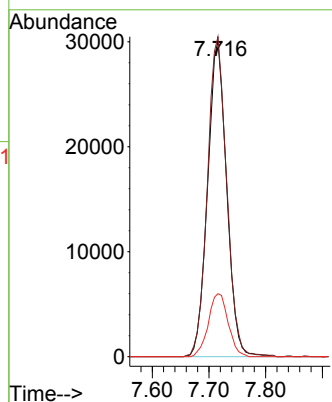
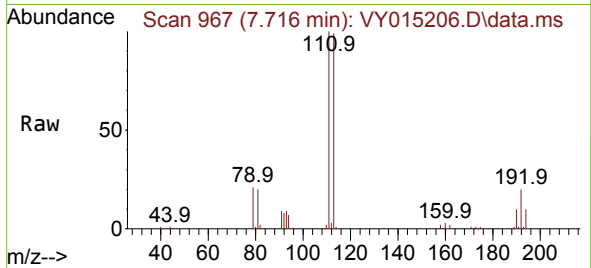




#35
Dibromofluoromethane
Concen: 48.487 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY015206.D
Acq: 18 Aug 2023 19:21

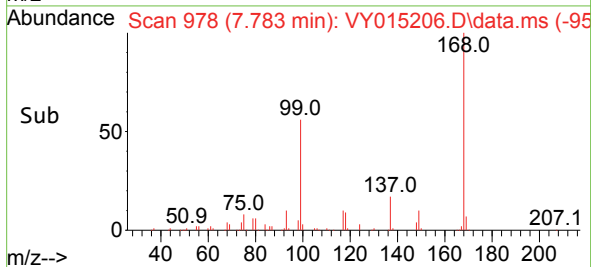
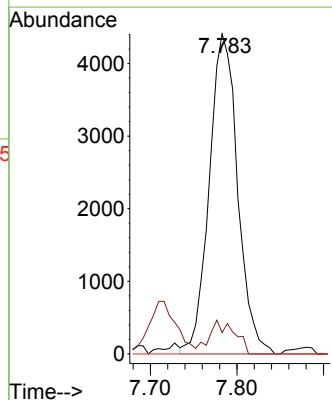
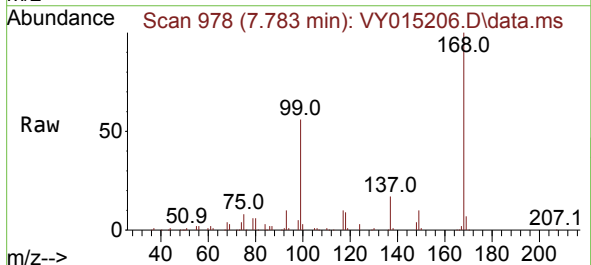
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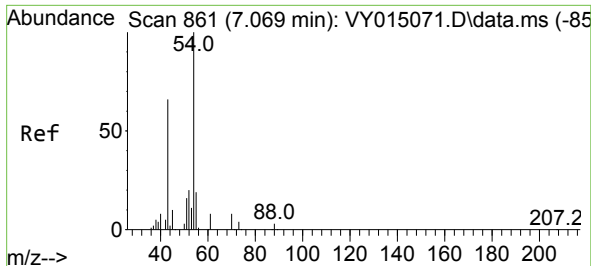
Tgt Ion:113 Resp: 70037
Ion Ratio Lower Upper
113 100
111 102.6 81.3 121.9
192 20.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.287 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015206.D
Acq: 18 Aug 2023 19:21

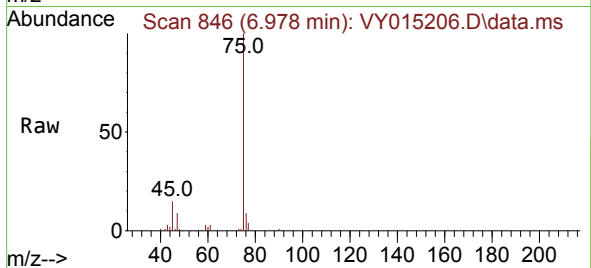
Tgt Ion: 75 Resp: 10046
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.5#
77 0.0 24.4 36.6#



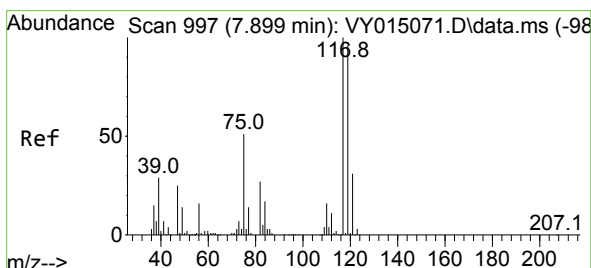
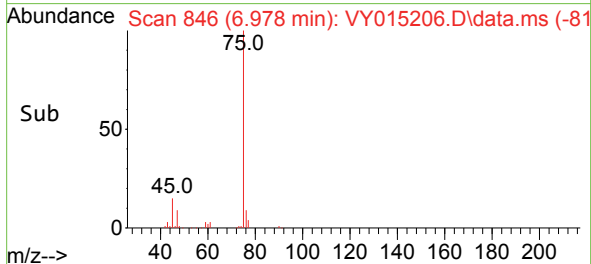
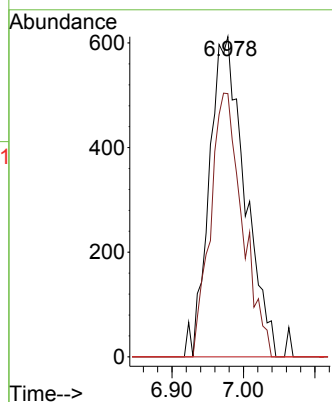


#37
Ethyl Acetate
Concen: 1.419 ug/l
RT: 6.978 min Scan# 84
Delta R.T. -0.091 min
Lab File: VY015206.D
Acq: 18 Aug 2023 19:21

Instrument :
MSVOA_Y
ClientSampleId :

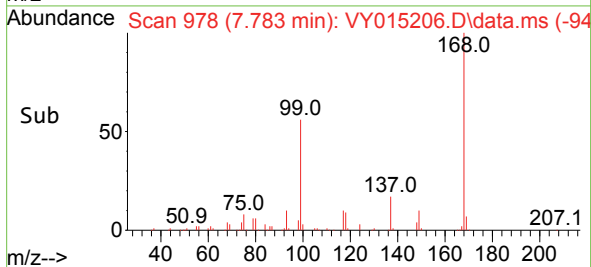
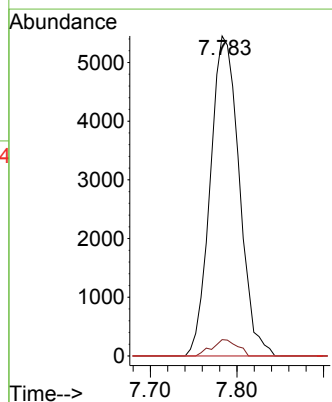
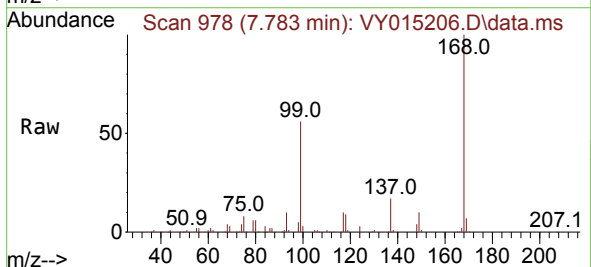


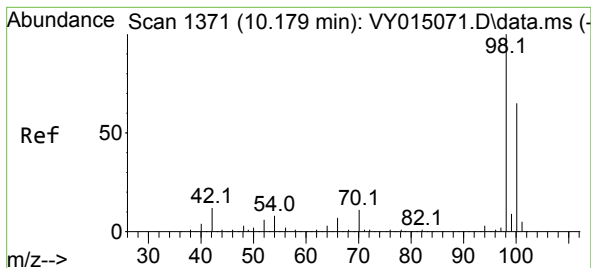
Tgt Ion: 43 Resp: 2114
Ion Ratio Lower Upper
43 100
61 74.1 10.1 15.1#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.688 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY015206.D
Acq: 18 Aug 2023 19:21

Tgt Ion: 117 Resp: 12648
Ion Ratio Lower Upper
117 100
119 5.1 76.4 114.6#
121 0.0 25.8 38.6#

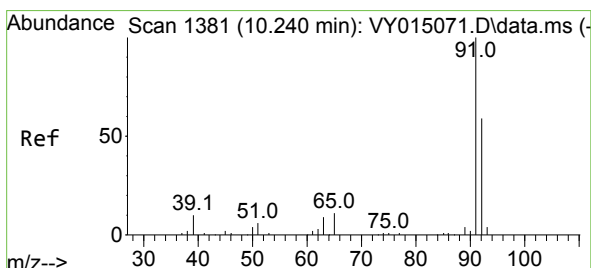
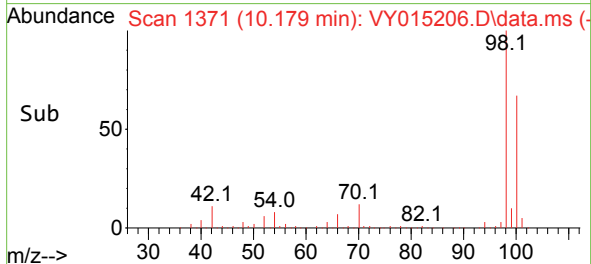
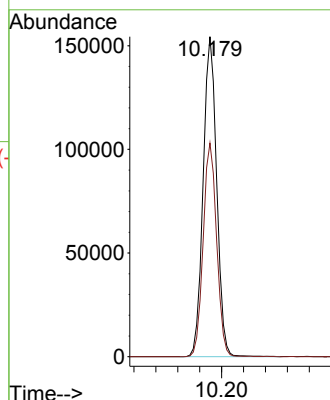
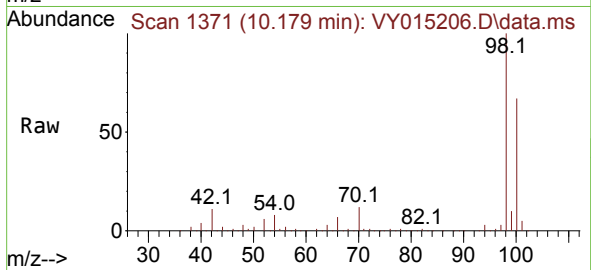




#50
Toluene-d8
Concen: 49.098 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015206.D
Acq: 18 Aug 2023 19:21

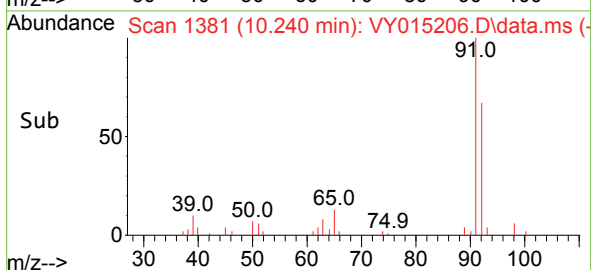
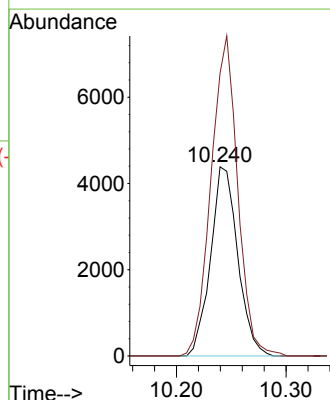
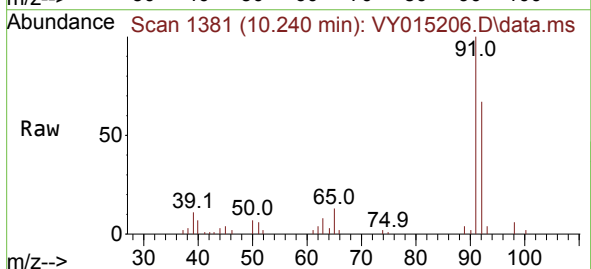
Instrument :
MSVOA_Y
ClientSampleId :

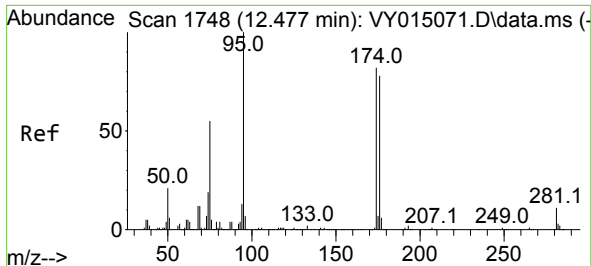
Tgt Ion: 98 Resp: 264000
Ion Ratio Lower Upper
98 100
100 66.3 50.1 75.1



#52
Toluene
Concen: 2.377 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VY015206.D
Acq: 18 Aug 2023 19:21

Tgt Ion: 92 Resp: 7569
Ion Ratio Lower Upper
92 100
91 165.7 143.8 215.6

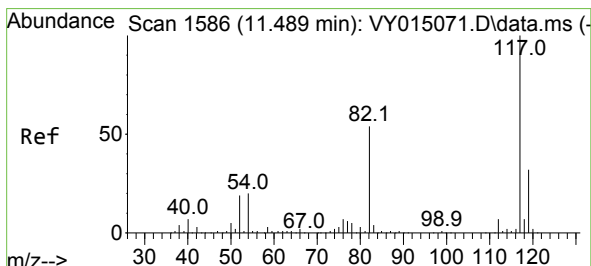
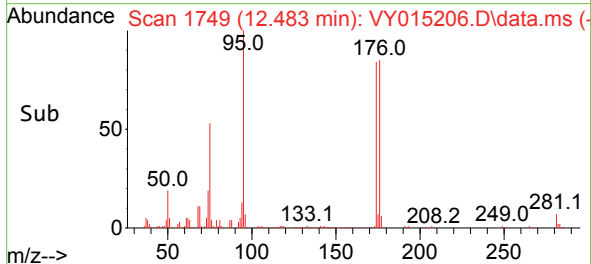
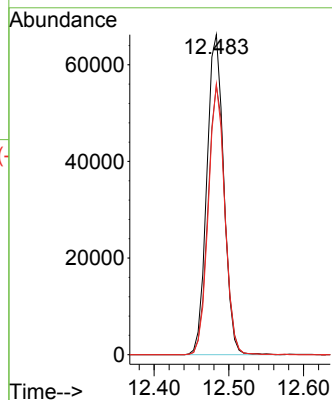
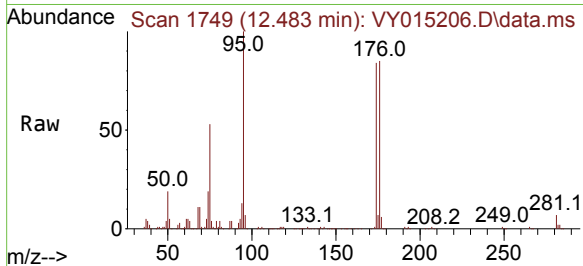




#62
4-Bromofluorobenzene
Concen: 52.975 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015206.D
Acq: 18 Aug 2023 19:21

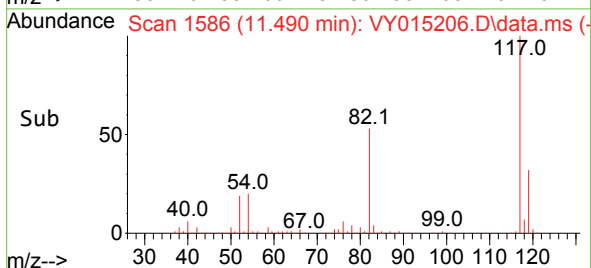
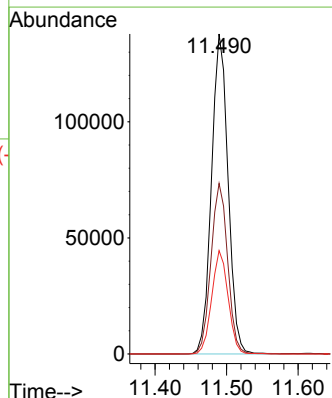
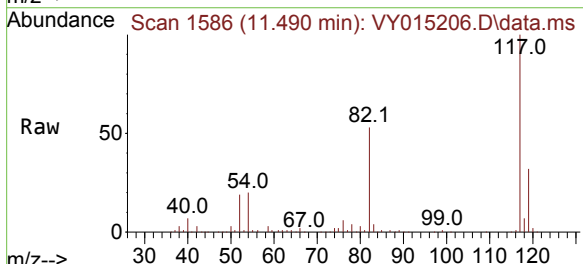
Instrument :
MSVOA_Y
ClientSampleId :

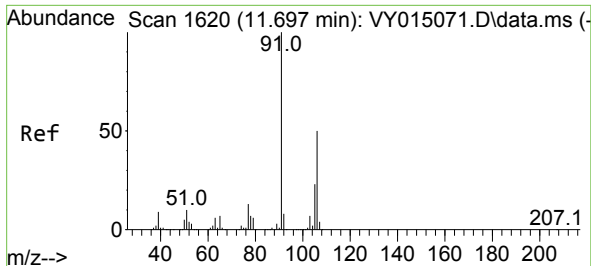
Tgt Ion: 95 Resp: 104040
Ion Ratio Lower Upper
95 100
174 84.6 0.0 178.2
176 82.2 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015206.D
Acq: 18 Aug 2023 19:21

Tgt Ion: 117 Resp: 221575
Ion Ratio Lower Upper
117 100
82 53.3 43.4 65.0
119 32.3 26.3 39.5

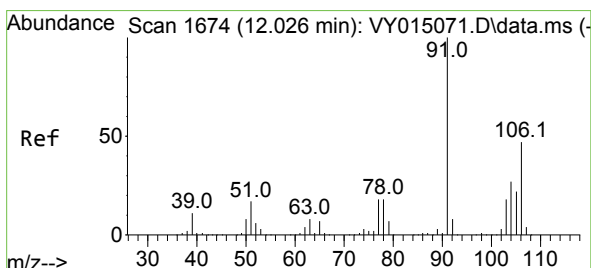
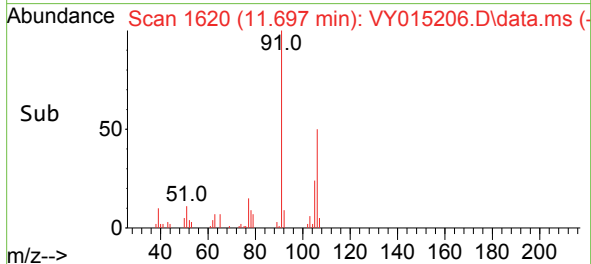
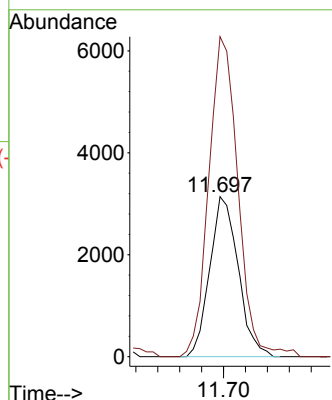
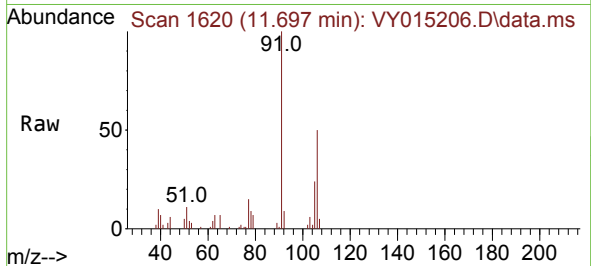




#68
m/p-Xylenes
Concen: 2.106 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VY015206.D
Acq: 18 Aug 2023 19:21

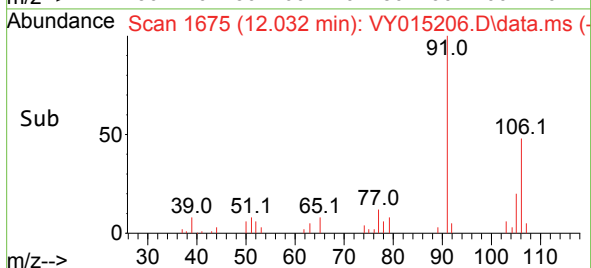
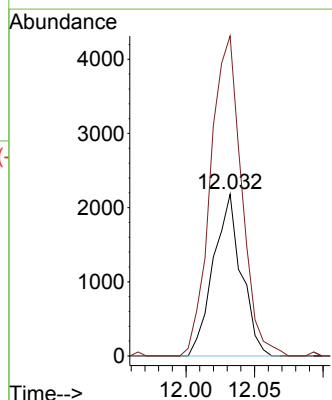
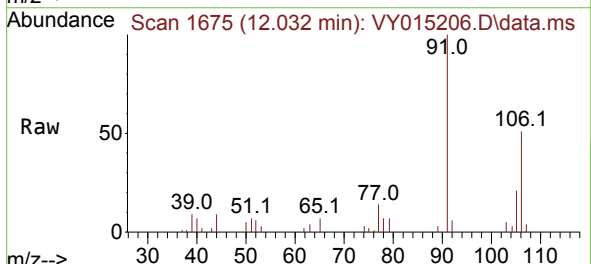
Instrument :
MSVOA_Y
ClientSampleId :

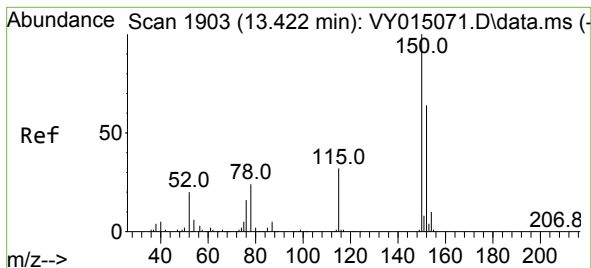
Tgt Ion:106 Resp: 5657
Ion Ratio Lower Upper
106 100
91 205.5 166.1 249.1



#69
o-Xylene
Concen: 1.161 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VY015206.D
Acq: 18 Aug 2023 19:21

Tgt Ion:106 Resp: 3107
Ion Ratio Lower Upper
106 100
91 218.7 108.1 324.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY015206.D

Acq: 18 Aug 2023 19:21

Instrument :

MSVOA_Y

ClientSampleId :

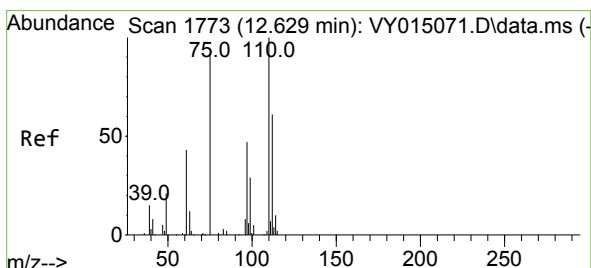
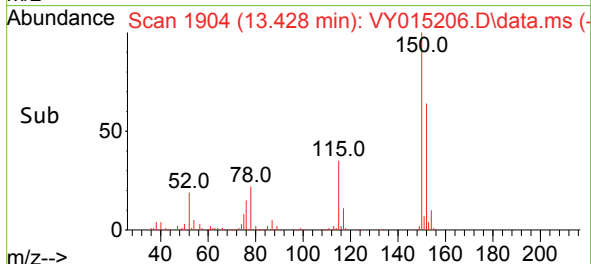
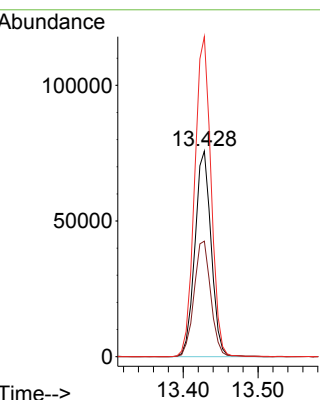
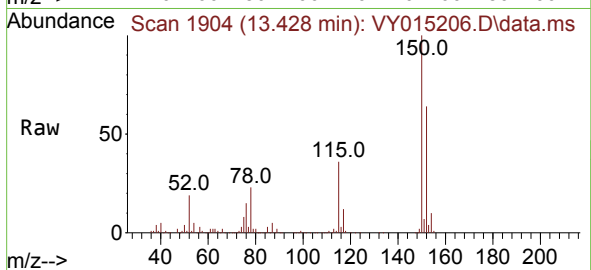
Tgt Ion:152 Resp: 114252

Ion Ratio Lower Upper

152 100

115 58.0 28.8 86.5

150 157.0 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 39.772 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015206.D

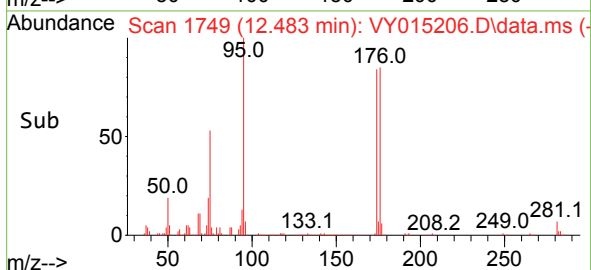
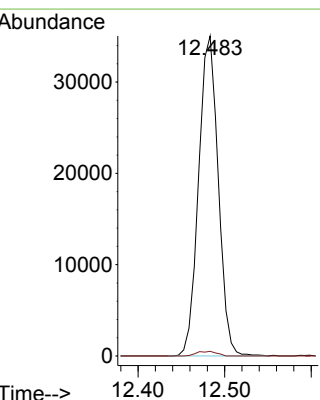
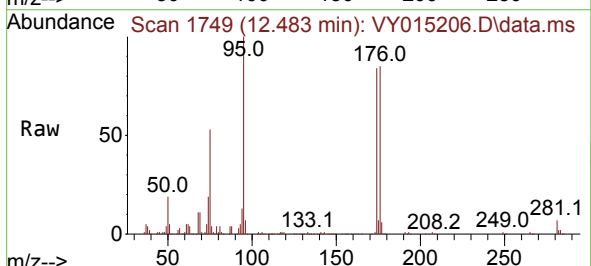
Acq: 18 Aug 2023 19:21

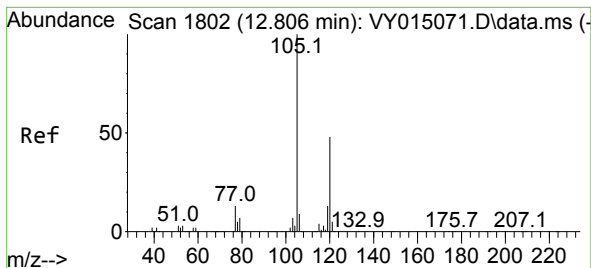
Tgt Ion: 75 Resp: 55207

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#80

1,3,5-Trimethylbenzene

Concen: 1.414 ug/l

RT: 12.812 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY015206.D

Acq: 18 Aug 2023 19:21

Instrument :

MSVOA_Y

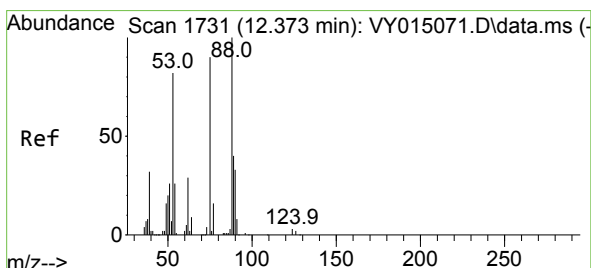
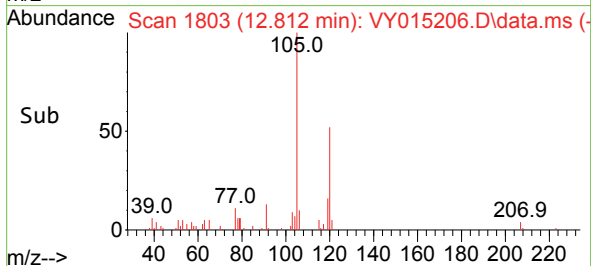
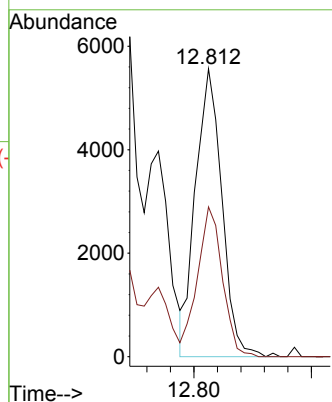
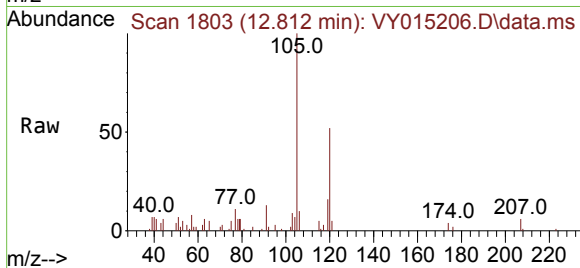
ClientSampleId :

Tgt Ion:105 Resp: 8659

Ion Ratio Lower Upper

105 100

120 49.4 23.9 71.7



#81

trans-1,4-Dichloro-2-butene

Concen: 87.359 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.110 min

Lab File: VY015206.D

Acq: 18 Aug 2023 19:21

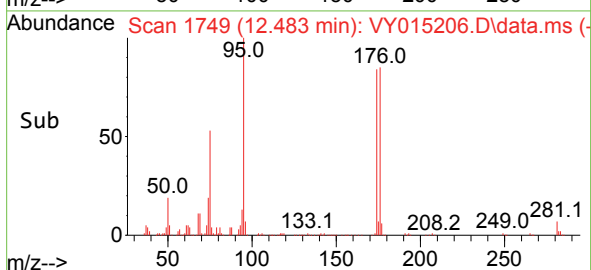
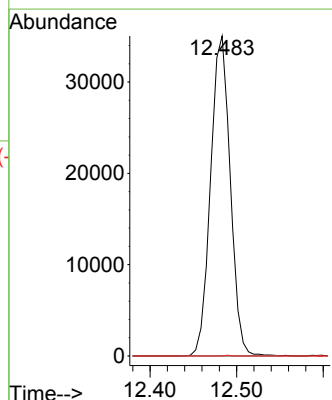
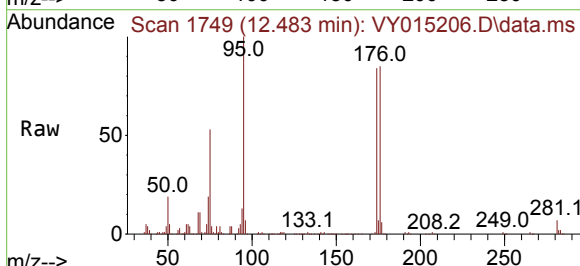
Tgt Ion: 75 Resp: 55207

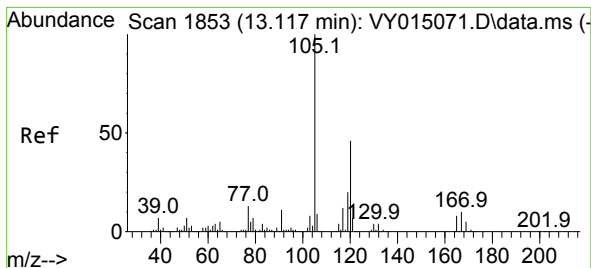
Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.1 37.4 56.0#





#84

1,2,4-Trimethylbenzene

Concen: 5.858 ug/l

RT: 13.117 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015206.D

Acq: 18 Aug 2023 19:21

Instrument :

MSVOA_Y

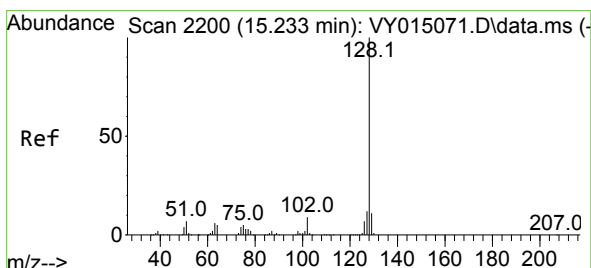
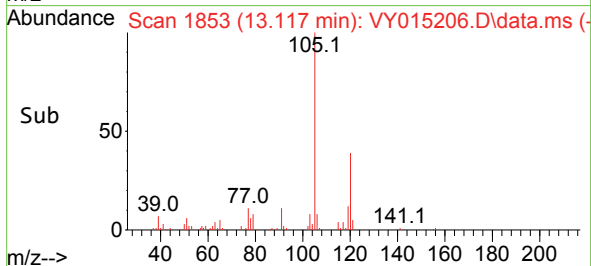
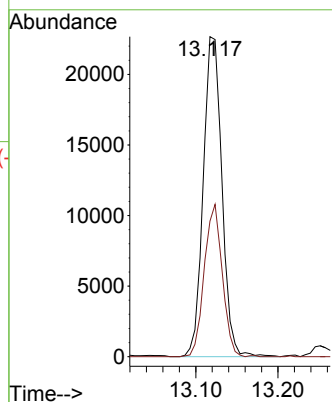
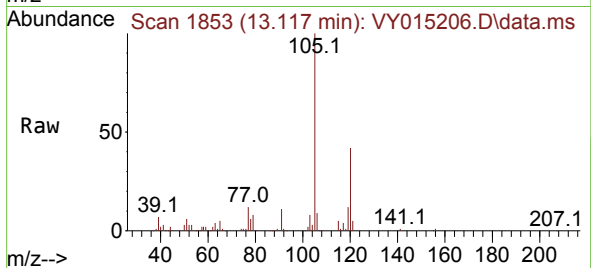
ClientSampleId :

Tgt Ion:105 Resp: 35847

Ion Ratio Lower Upper

105 100

120 45.7 22.2 66.6



#95

Naphthalene

Concen: 2.927 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY015206.D

Acq: 18 Aug 2023 19:21

Tgt Ion:128 Resp: 15533

Ion Ratio Lower Upper

128 100

127 13.2 10.8 16.2

129 11.3 8.6 13.0

