

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
 Data File : VY015205.D
 Acq On : 18 Aug 2023 18:57
 Operator : SY/MD
 Sample : 04086-18
 Misc : 5.04g/5.2mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 18 23:15:44 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)

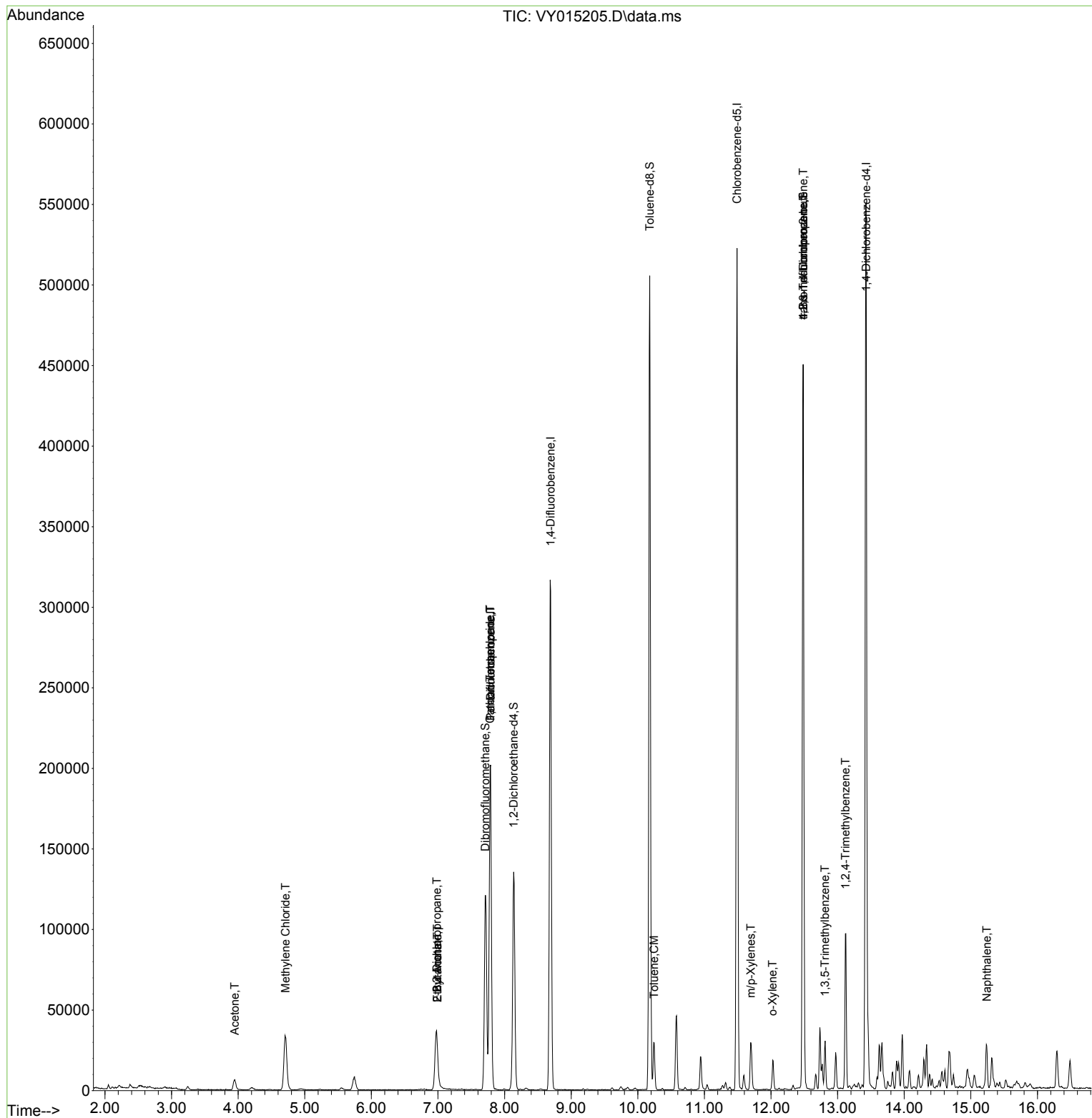
Internal Standards						
1) Pentafluorobenzene	7.789	168	159286	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	275433	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	276304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	145834	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	105846	55.356	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.720%	
35) Dibromofluoromethane	7.710	113	87438	49.345	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.700%	
50) Toluene-d8	10.179	98	327114	49.591	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.180%	
62) 4-Bromofluorobenzene	12.483	95	134175	55.691	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 111.380%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	36	Below Cal	#	43
3) Chloromethane	2.107	50	430	Below Cal	#	74
5) Bromomethane	2.650	94	235	Below Cal		97
11) Tert butyl alcohol	4.960	59	1613	Below Cal	#	89
13) Acrolein	3.723	56	102	Below Cal	#	14
16) Acetone	3.948	43	11552	18.494	ug/l	99
20) Methylene Chloride	4.710	84	26277	14.476	ug/l #	83
25) 2-Butanone	6.990	43	4508	5.097	ug/l	92
26) 2,2-Dichloropropane	6.984	77	2760	1.078	ug/l #	54
31) Cyclohexane	7.783	56	3352	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	12353	6.301	ug/l #	50
37) Ethyl Acetate	6.990	43	4508	2.467	ug/l #	53
38) Carbon Tetrachloride	7.783	117	16065	6.924	ug/l #	16
52) Toluene	10.246	92	12028	3.079	ug/l	100
68) m/p-Xylenes	11.697	106	9410	2.809	ug/l	91
69) o-Xylene	12.026	106	4739	1.420	ug/l	94
76) 1,2,3-Trichloropropane	12.483	75	71056	40.104	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	13148	1.682	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.483	75	71056	88.089	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.117	105	53675	6.872	ug/l	99
95) Naphthalene	15.239	128	22952	3.389	ug/l	99

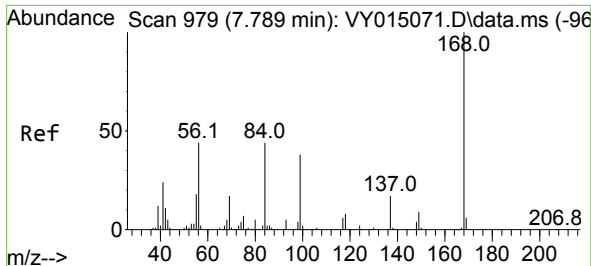
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Aug 14 12:43:26 2023
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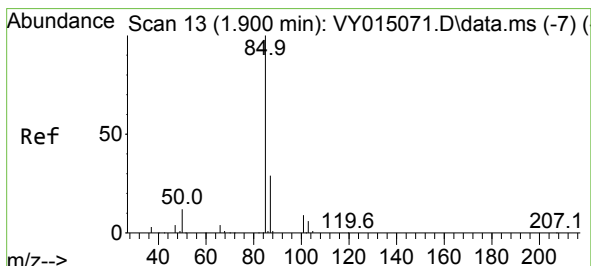
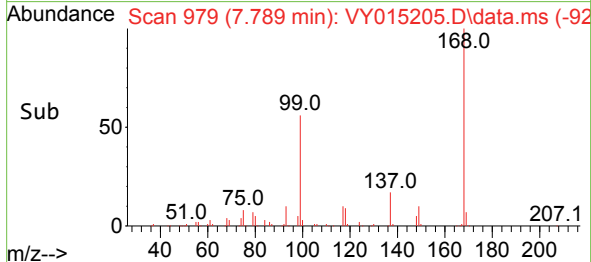
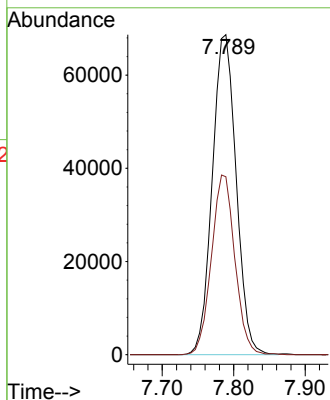
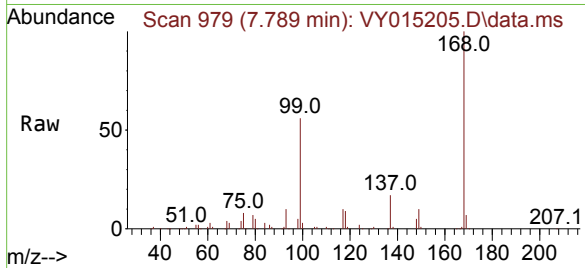




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015205.D
Acq: 18 Aug 2023 18:57

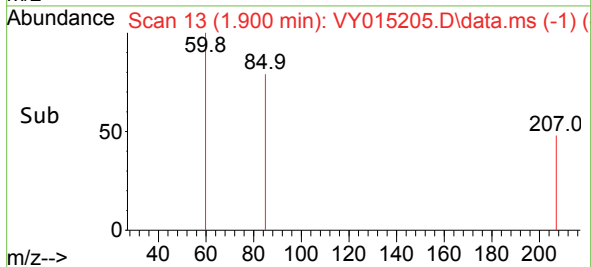
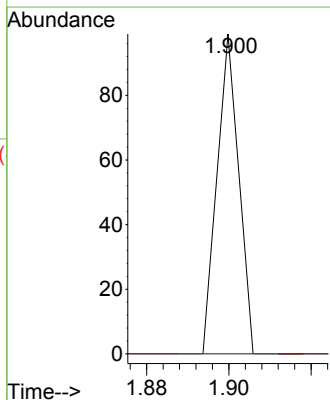
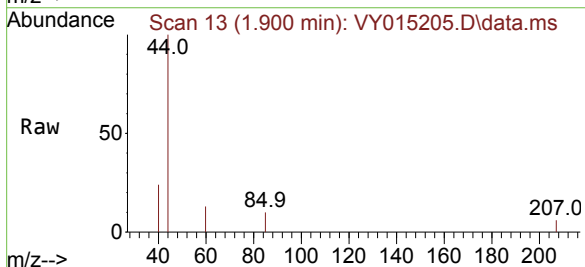
Instrument :
MSVOA_Y
ClientSampleId :

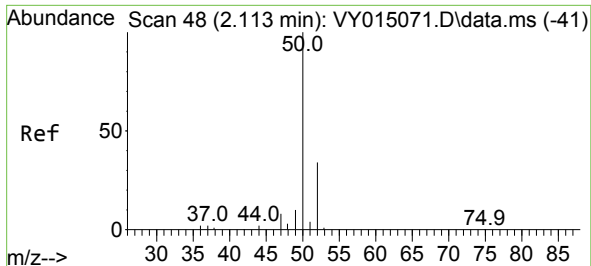
Tgt Ion:168 Resp: 159286
Ion Ratio Lower Upper
168 100
99 55.6 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY015205.D
Acq: 18 Aug 2023 18:57

Tgt Ion: 85 Resp: 36
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

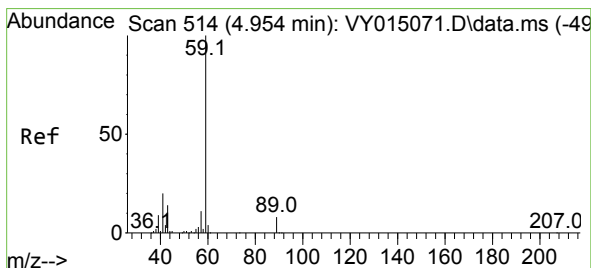
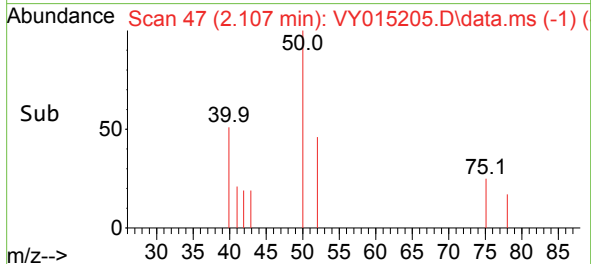
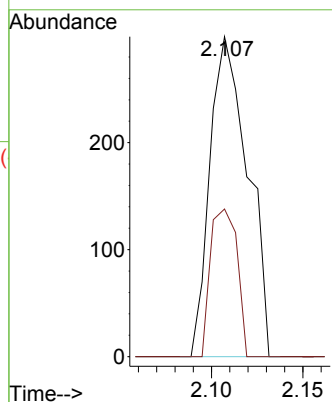
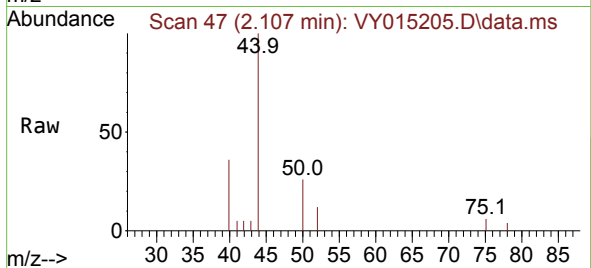




#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY015205.D
Acq: 18 Aug 2023 18:57

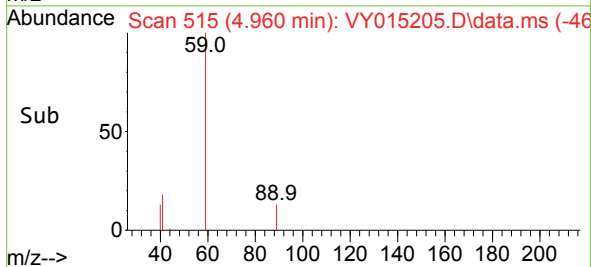
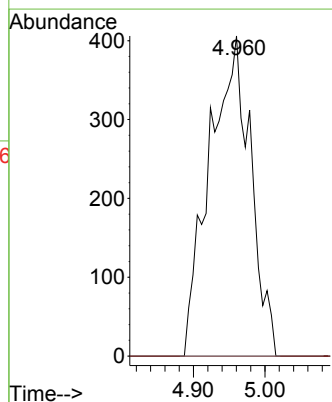
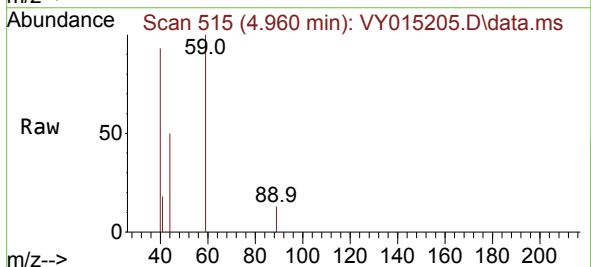
Instrument :
MSVOA_Y
ClientSampleId :

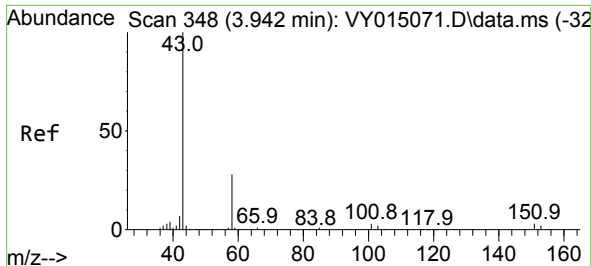
Tgt Ion: 50 Resp: 430
Ion Ratio Lower Upper
50 100
52 46.2 25.4 38.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. 0.012 min
Lab File: VY015205.D
Acq: 18 Aug 2023 18:57

Tgt Ion: 59 Resp: 1613
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 18.494 ug/l

RT: 3.948 min Scan# 348

Delta R.T. 0.006 min

Lab File: VY015205.D

Acq: 18 Aug 2023 18:57

Instrument :

MSVOA_Y

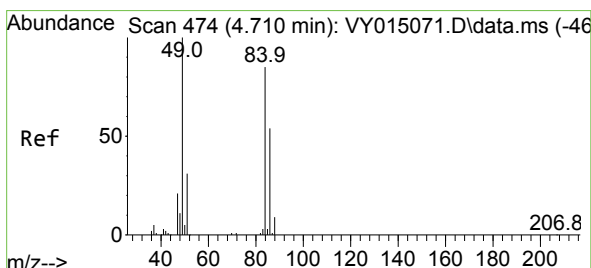
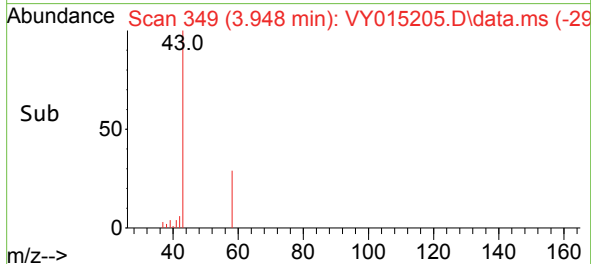
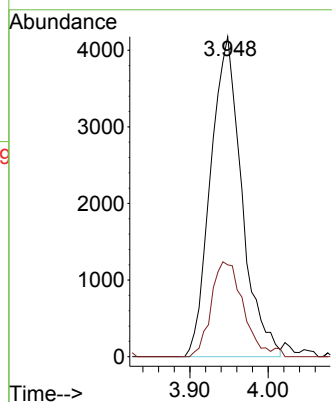
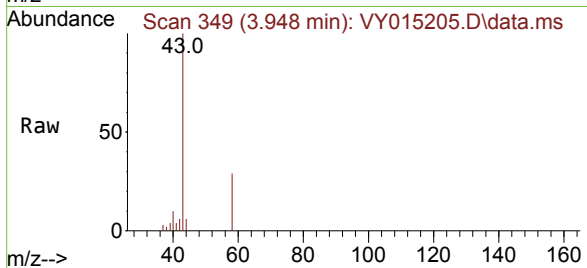
ClientSampleId :

Tgt Ion: 43 Resp: 11552

Ion Ratio Lower Upper

43 100

58 28.7 22.7 34.1



#20

Methylene Chloride

Concen: 14.476 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.000 min

Lab File: VY015205.D

Acq: 18 Aug 2023 18:57

Tgt Ion: 84 Resp: 26277

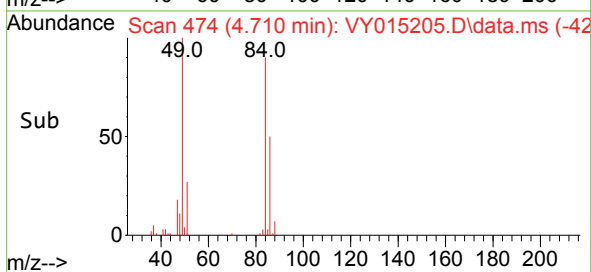
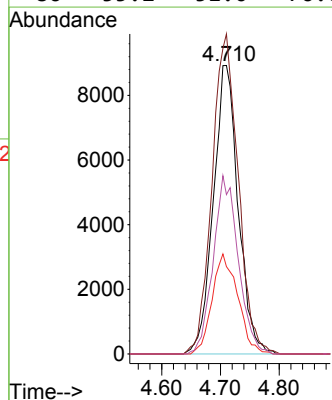
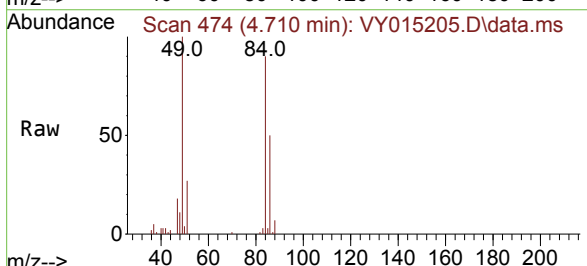
Ion Ratio Lower Upper

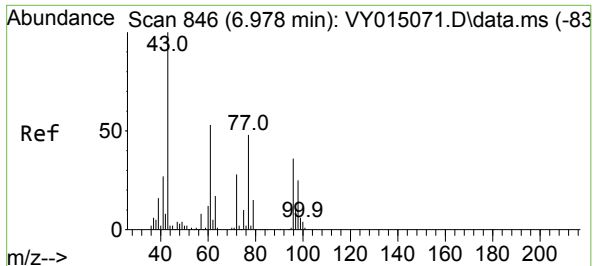
84 100

49 110.9 106.9 160.3

51 30.3 33.2 49.8#

86 55.2 51.0 76.6

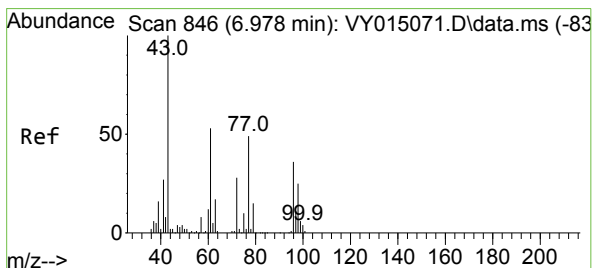
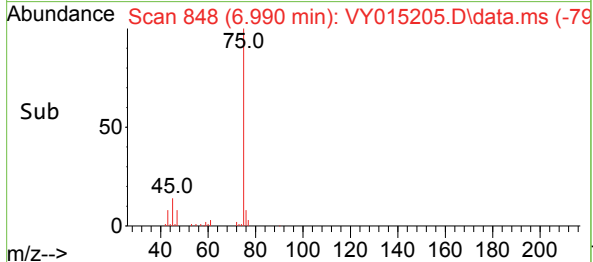
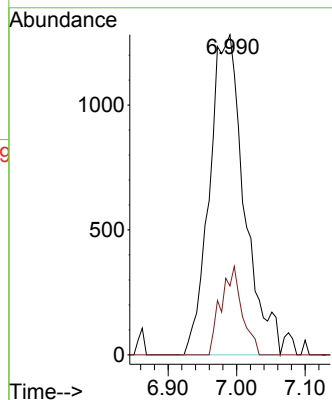
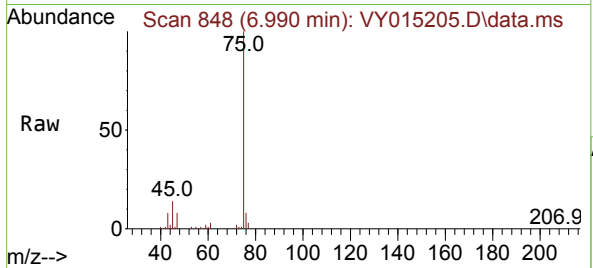




#25
2-Butanone
Concen: 5.097 ug/l
RT: 6.990 min Scan# 846
Delta R.T. 0.012 min
Lab File: VY015205.D
Acq: 18 Aug 2023 18:57

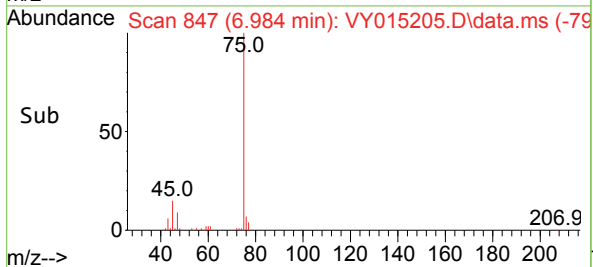
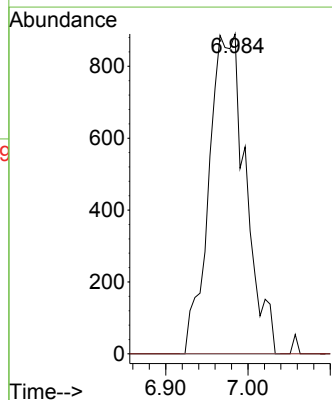
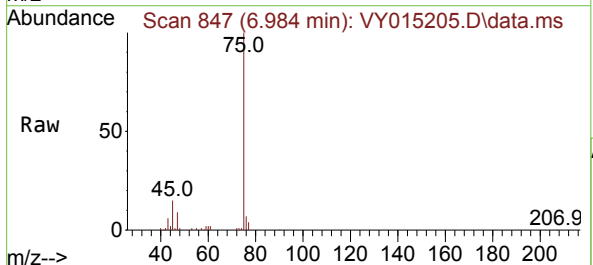
Instrument :
MSVOA_Y
ClientSampleId :

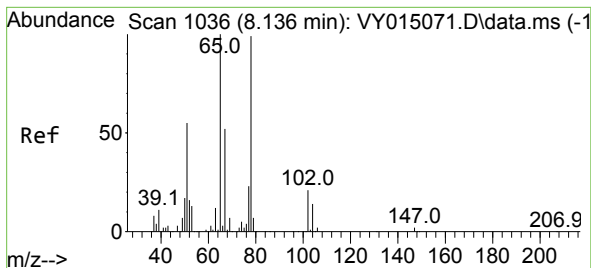
Tgt Ion: 43 Resp: 4508
Ion Ratio Lower Upper
43 100
72 21.5 20.5 30.7



#26
2,2-Dichloropropane
Concen: 1.078 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.012 min
Lab File: VY015205.D
Acq: 18 Aug 2023 18:57

Tgt Ion: 77 Resp: 2760
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#





#33

1,2-Dichloroethane-d4

Concen: 55.356 ug/l

RT: 8.136 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY015205.D

Acq: 18 Aug 2023 18:57

Instrument :

MSVOA_Y

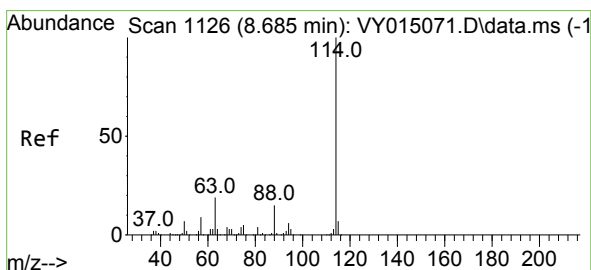
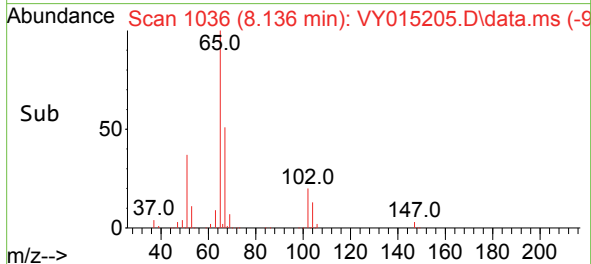
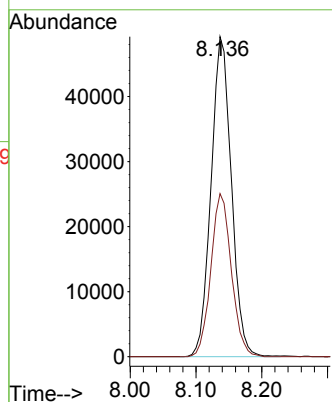
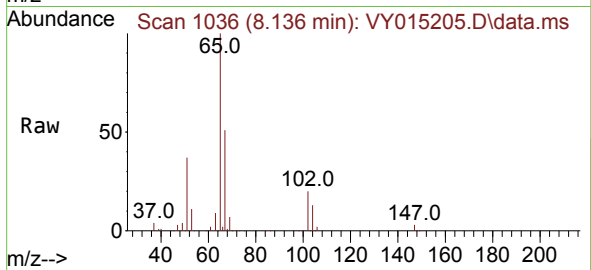
ClientSampleId :

Tgt Ion: 65 Resp: 105846

Ion Ratio Lower Upper

65 100

67 51.3 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: VY015205.D

Acq: 18 Aug 2023 18:57

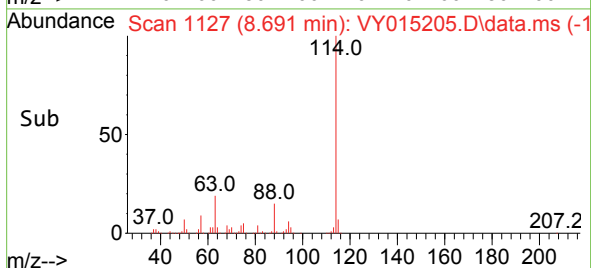
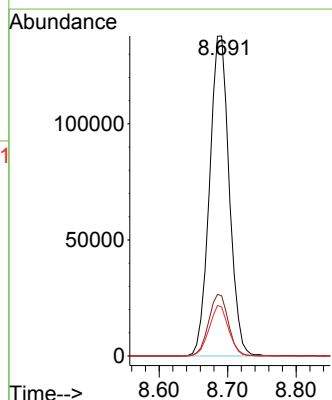
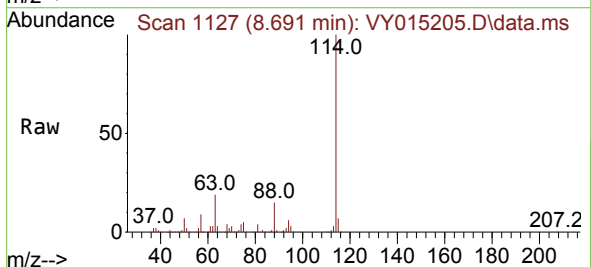
Tgt Ion: 114 Resp: 275433

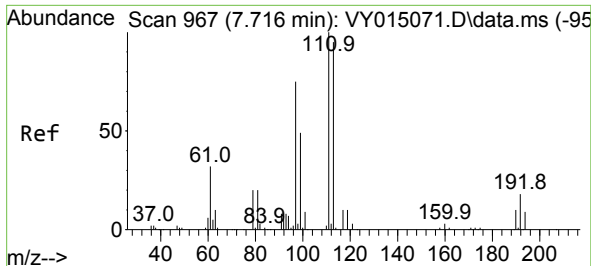
Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.4

88 15.3 0.0 30.6

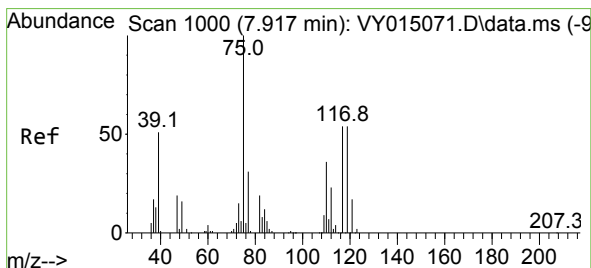
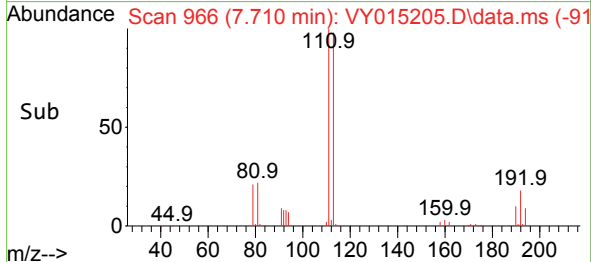
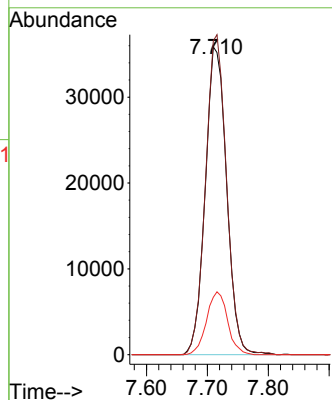
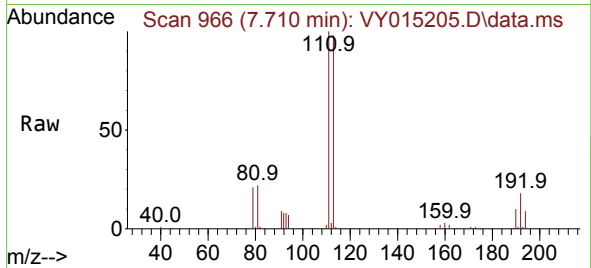




#35
Dibromofluoromethane
Concen: 49.345 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY015205.D
Acq: 18 Aug 2023 18:57

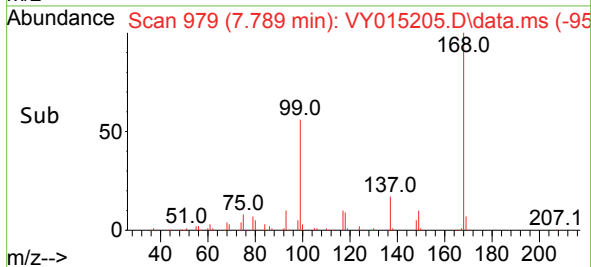
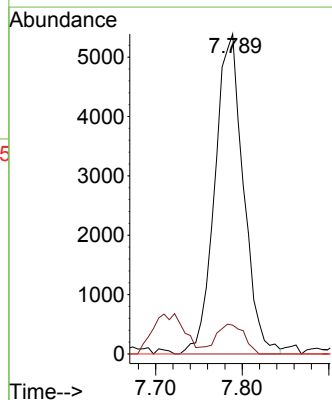
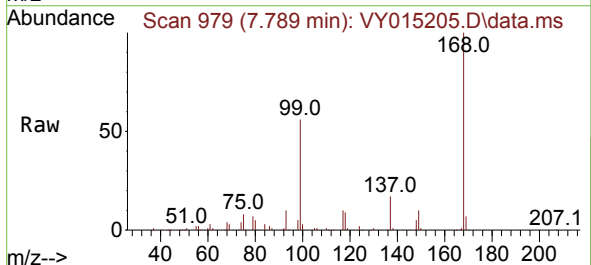
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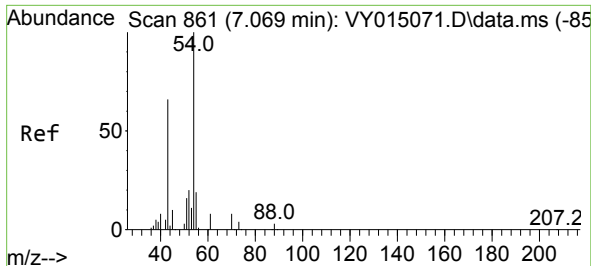
Tgt Ion:113 Resp: 87438
Ion Ratio Lower Upper
113 100
111 102.0 81.3 121.9
192 20.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.301 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY015205.D
Acq: 18 Aug 2023 18:57

Tgt Ion: 75 Resp: 12353
Ion Ratio Lower Upper
75 100
110 9.2 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.467 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.079 min

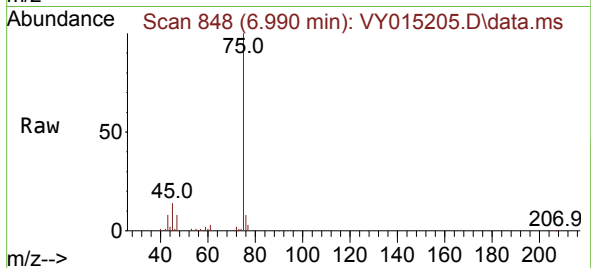
Lab File: VY015205.D

Acq: 18 Aug 2023 18:57

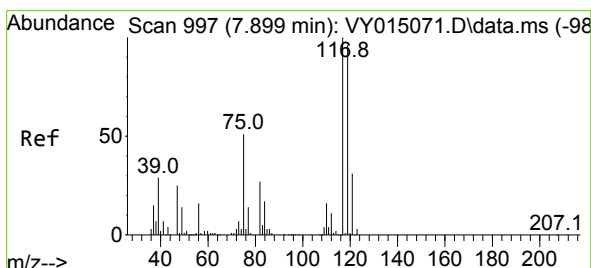
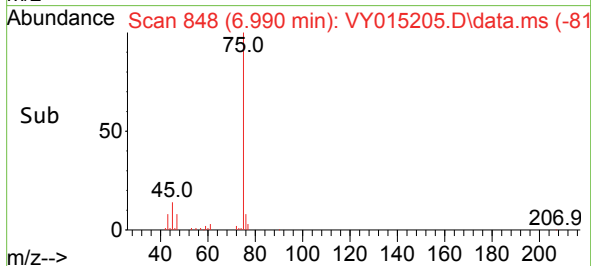
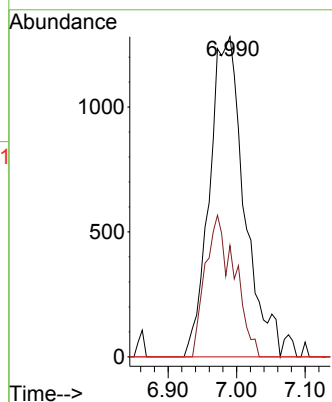
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	4508
Ion	Ratio	Lower	Upper
43	100		
61	37.3	10.1	15.1#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 6.924 ug/l

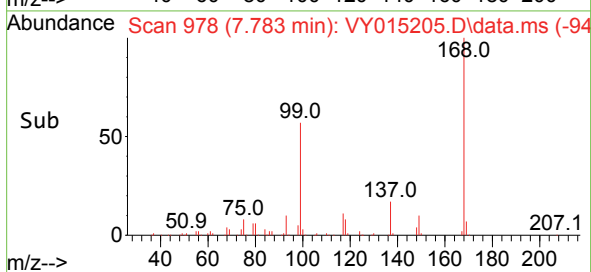
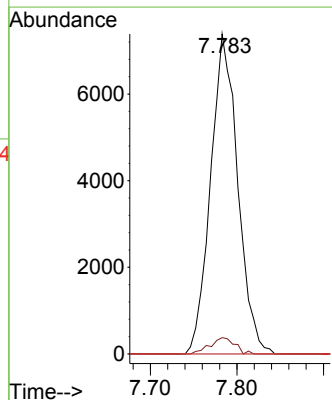
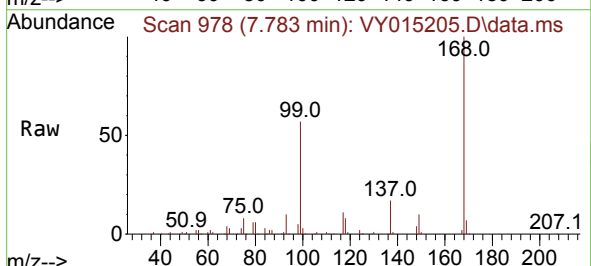
RT: 7.783 min Scan# 978

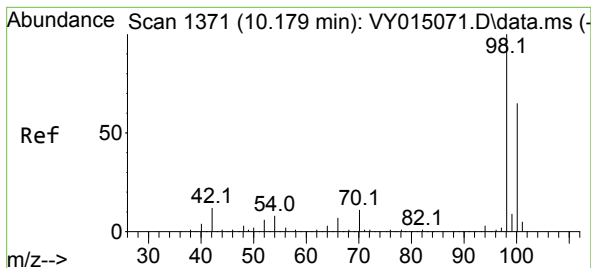
Delta R.T. -0.116 min

Lab File: VY015205.D

Acq: 18 Aug 2023 18:57

Tgt Ion:	117	Resp:	16065
Ion	Ratio	Lower	Upper
117	100		
119	5.1	76.4	114.6#
121	0.0	25.8	38.6#





#50

Toluene-d8

Concen: 49.591 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY015205.D

Acq: 18 Aug 2023 18:57

Instrument :

MSVOA_Y

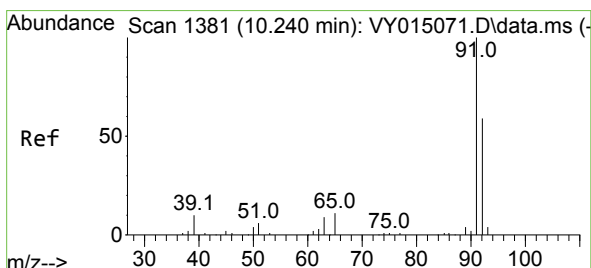
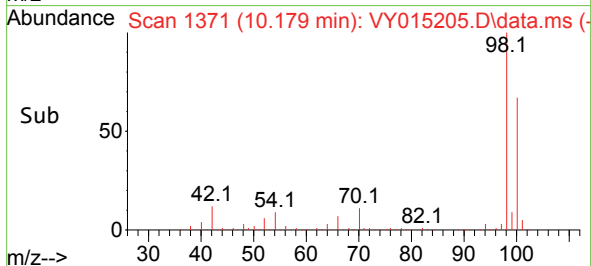
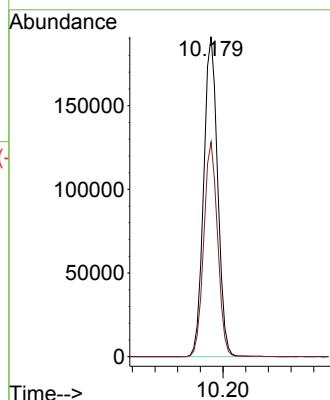
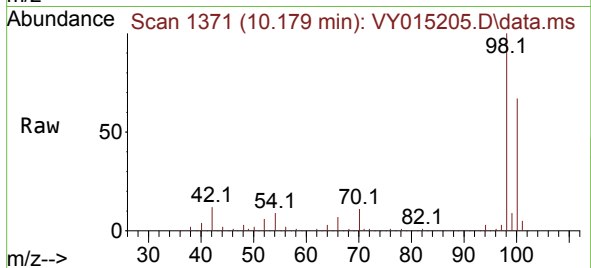
ClientSampleId :

Tgt Ion: 98 Resp: 327114

Ion Ratio Lower Upper

98 100

100 66.4 50.1 75.1



#52

Toluene

Concen: 3.079 ug/l

RT: 10.246 min Scan# 1382

Delta R.T. 0.006 min

Lab File: VY015205.D

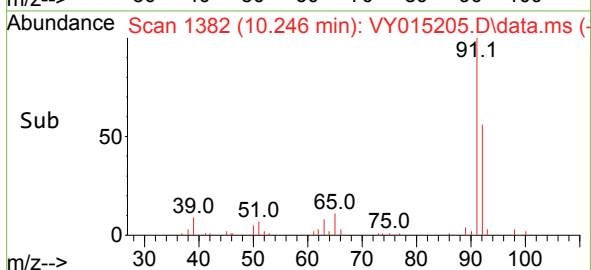
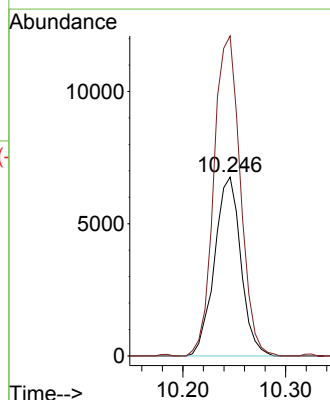
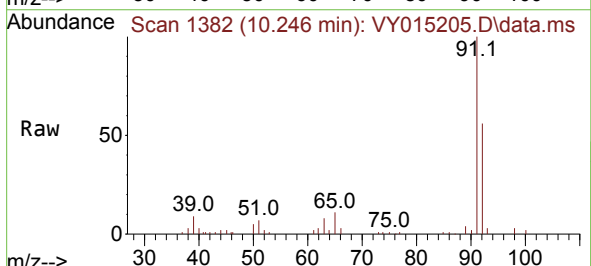
Acq: 18 Aug 2023 18:57

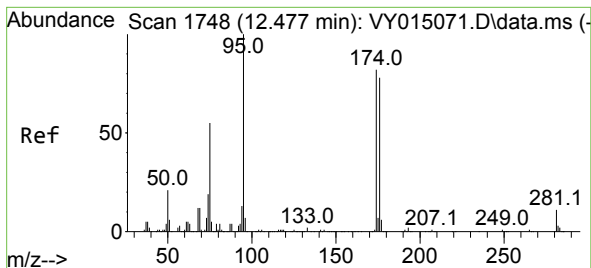
Tgt Ion: 92 Resp: 12028

Ion Ratio Lower Upper

92 100

91 179.5 143.8 215.6

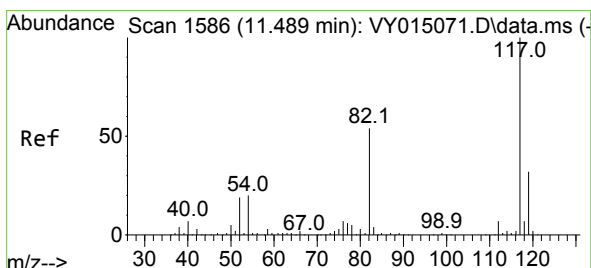
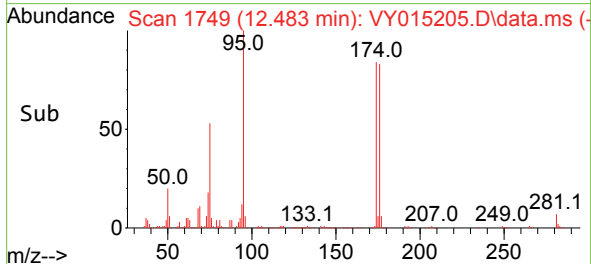
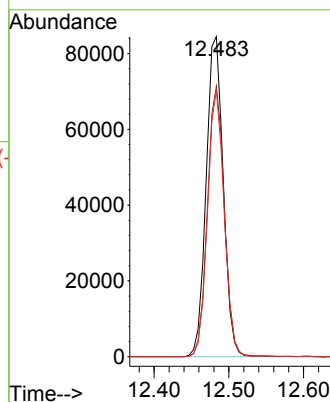
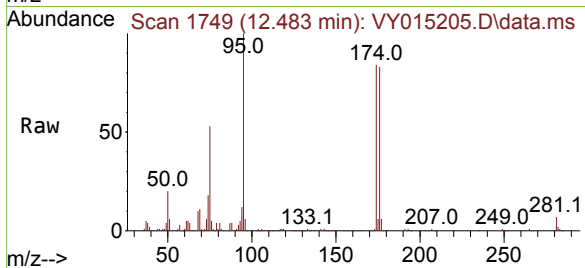




#62
4-Bromofluorobenzene
Concen: 55.691 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015205.D
Acq: 18 Aug 2023 18:57

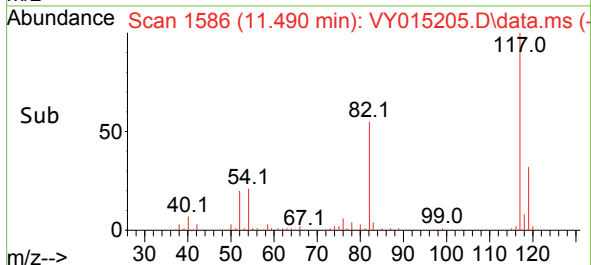
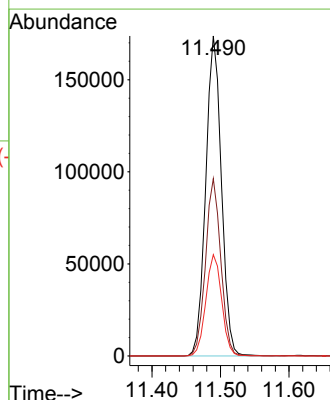
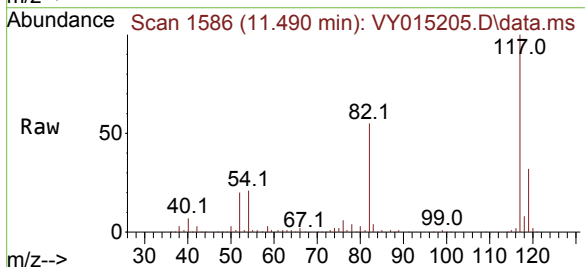
Instrument :
MSVOA_Y
ClientSampleId :

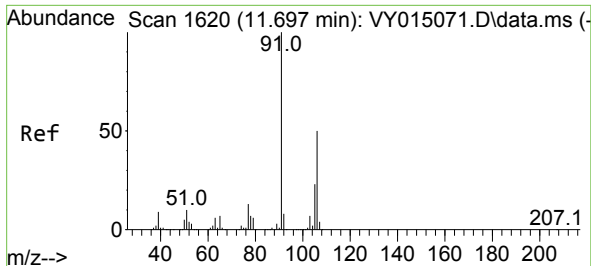
Tgt Ion: 95 Resp: 134175
Ion Ratio Lower Upper
95 100
174 83.5 0.0 178.2
176 80.6 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015205.D
Acq: 18 Aug 2023 18:57

Tgt Ion: 117 Resp: 276304
Ion Ratio Lower Upper
117 100
82 55.4 43.4 65.0
119 31.7 26.3 39.5

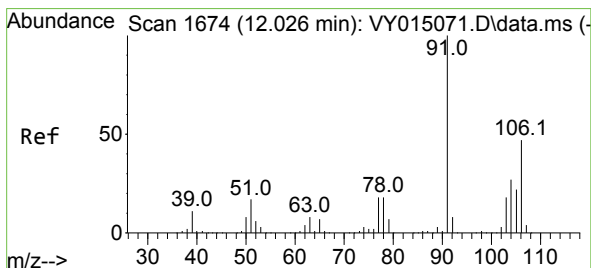
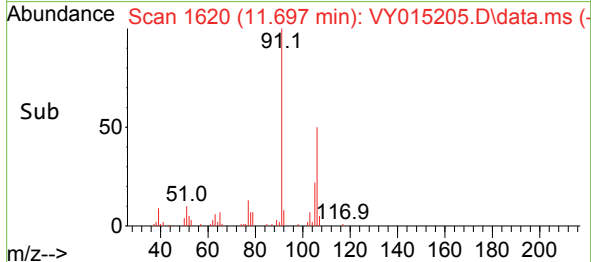
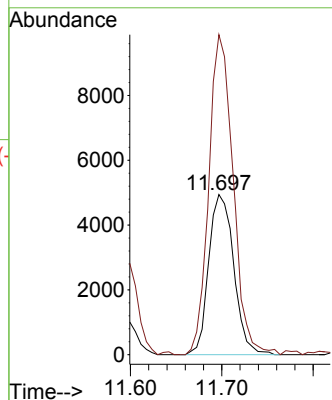
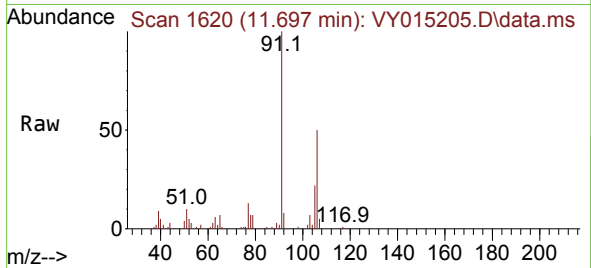




#68
m/p-Xylenes
Concen: 2.809 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VY015205.D
Acq: 18 Aug 2023 18:57

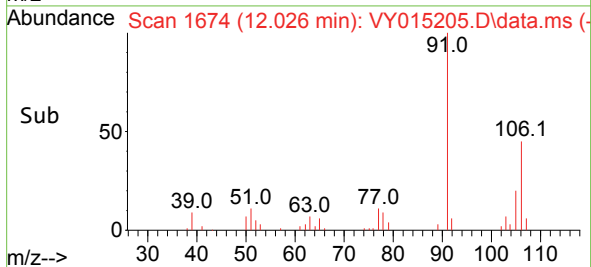
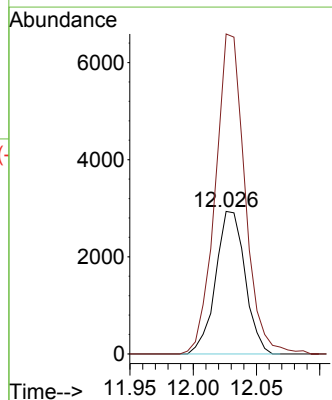
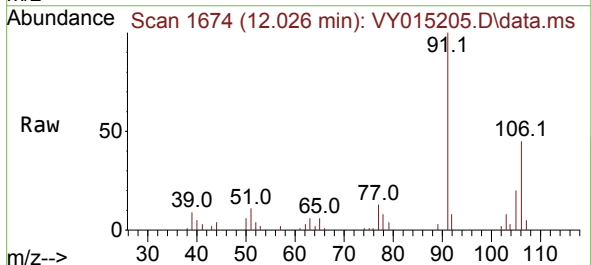
Instrument :
MSVOA_Y
ClientSampleId :

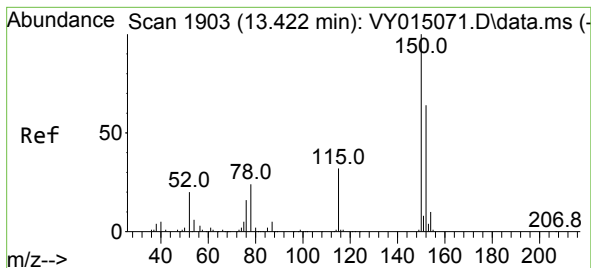
Tgt Ion:106 Resp: 9410
Ion Ratio Lower Upper
106 100
91 194.4 166.1 249.1



#69
o-Xylene
Concen: 1.420 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY015205.D
Acq: 18 Aug 2023 18:57

Tgt Ion:106 Resp: 4739
Ion Ratio Lower Upper
106 100
91 226.2 108.1 324.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

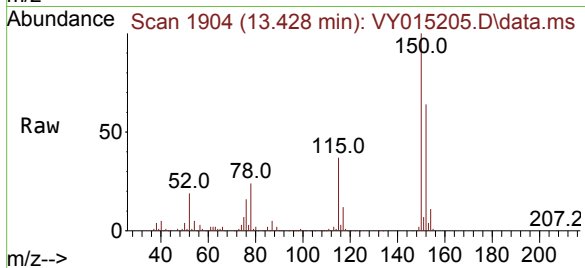
Lab File: VY015205.D

Acq: 18 Aug 2023 18:57

Instrument :

MSVOA_Y

ClientSampleId :



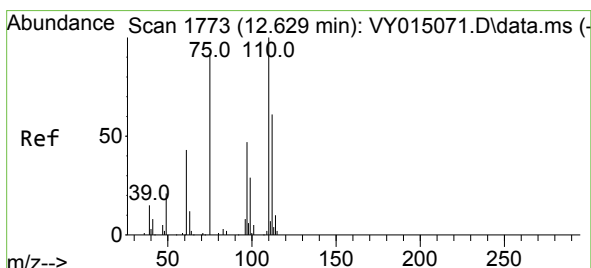
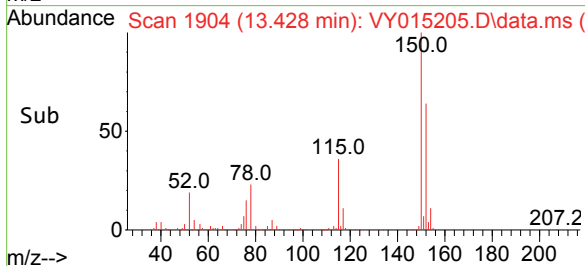
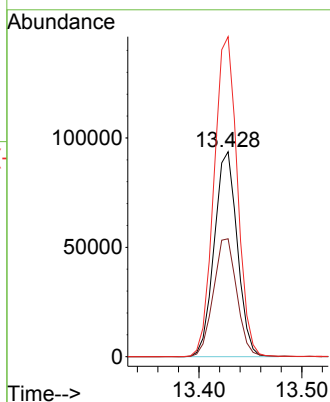
Tgt Ion:152 Resp: 145834

Ion Ratio Lower Upper

152 100

115 58.8 28.8 86.5

150 157.8 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 40.104 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015205.D

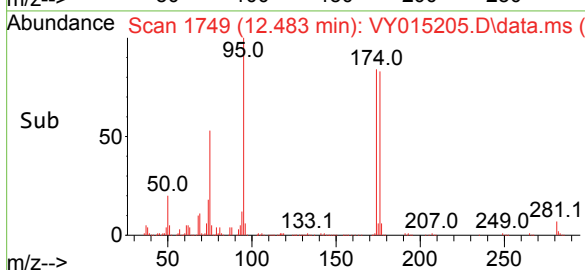
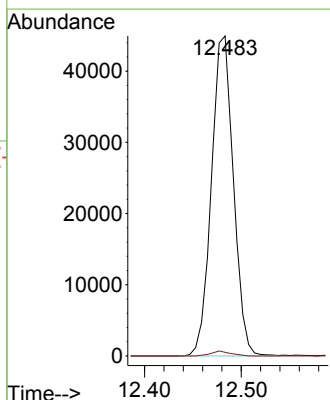
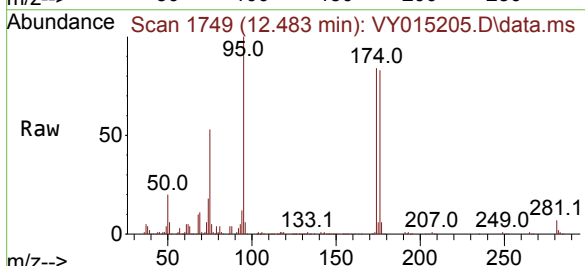
Acq: 18 Aug 2023 18:57

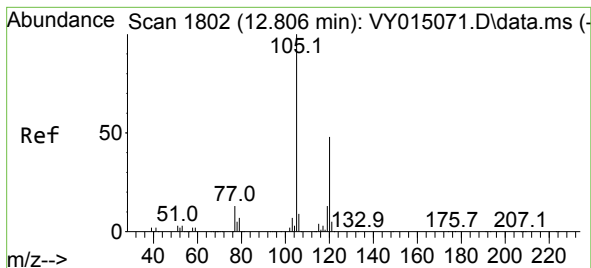
Tgt Ion: 75 Resp: 71056

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#80

1,3,5-Trimethylbenzene

Concen: 1.682 ug/l

RT: 12.812 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY015205.D

Acq: 18 Aug 2023 18:57

Instrument :

MSVOA_Y

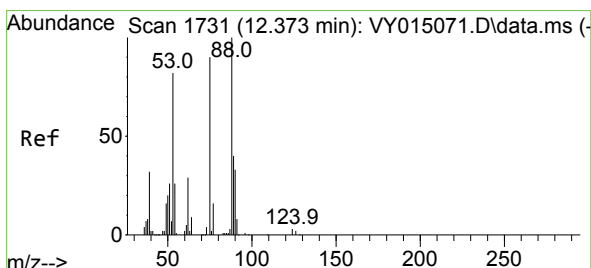
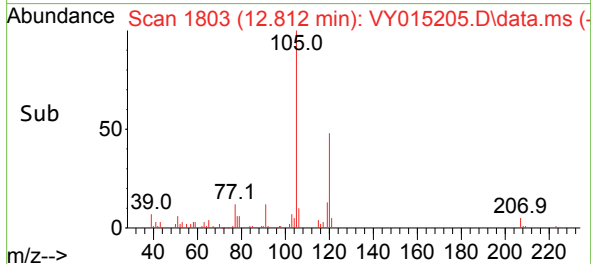
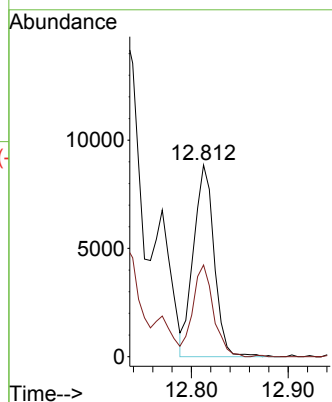
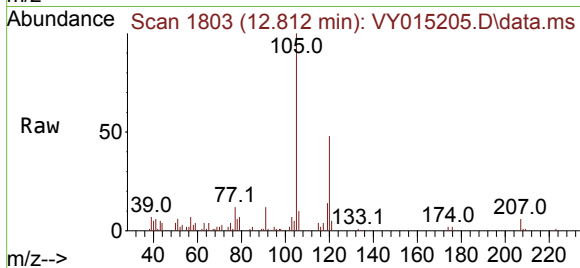
ClientSampleId :

Tgt Ion:105 Resp: 13148

Ion Ratio Lower Upper

105 100

120 47.8 23.9 71.7



#81

trans-1,4-Dichloro-2-butene

Concen: 88.089 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.110 min

Lab File: VY015205.D

Acq: 18 Aug 2023 18:57

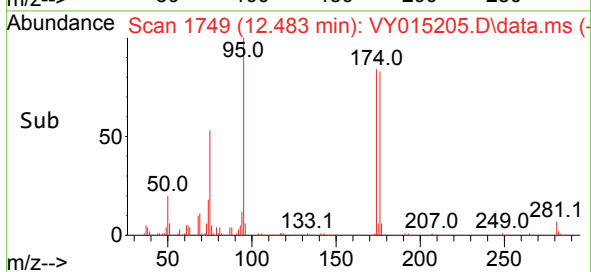
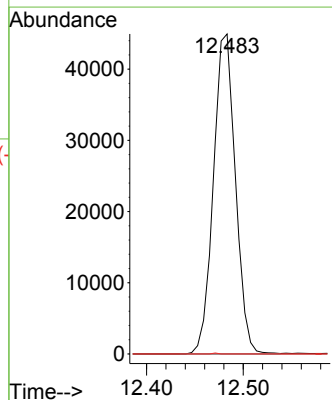
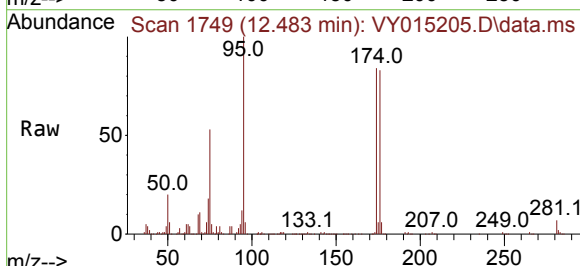
Tgt Ion: 75 Resp: 71056

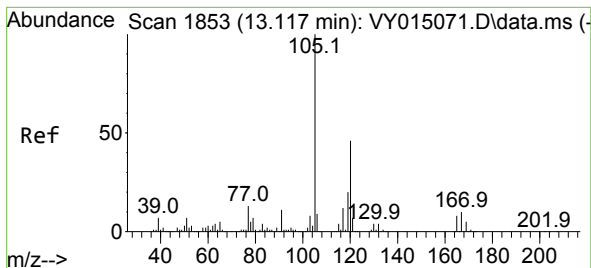
Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.1 37.4 56.0#





#84

1,2,4-Trimethylbenzene

Concen: 6.872 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY015205.D

Acq: 18 Aug 2023 18:57

Instrument :

MSVOA_Y

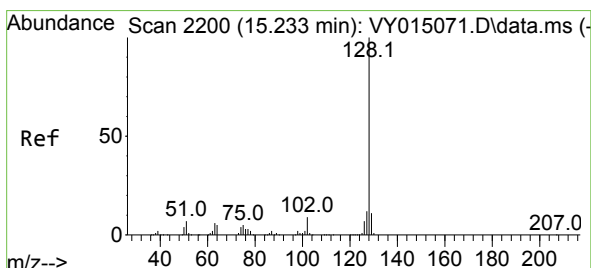
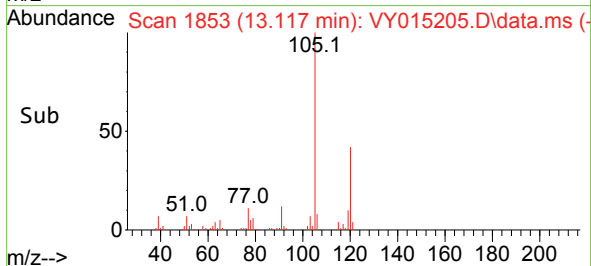
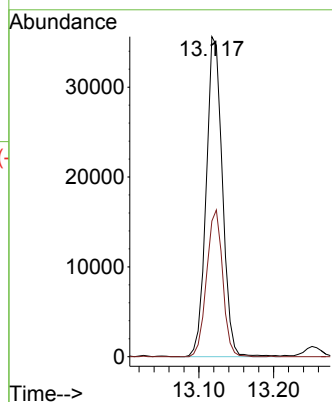
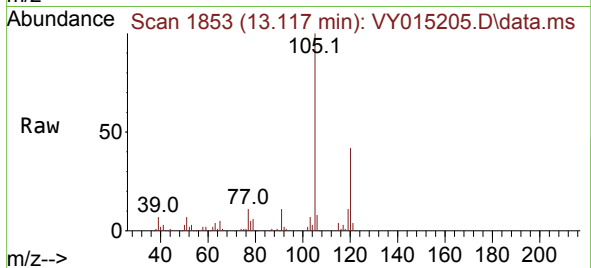
ClientSampleId :

Tgt Ion:105 Resp: 53675

Ion Ratio Lower Upper

105 100

120 45.2 22.2 66.6



#95

Naphthalene

Concen: 3.389 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY015205.D

Acq: 18 Aug 2023 18:57

Tgt Ion:128 Resp: 22952

Ion Ratio Lower Upper

128 100

127 13.7 10.8 16.2

129 10.5 8.6 13.0

