

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
 Data File : VY015208.D
 Acq On : 18 Aug 2023 20:08
 Operator : SY/MD
 Sample : 04058-01
 Misc : 4.99g/5.2mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 18 23:16:57 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)

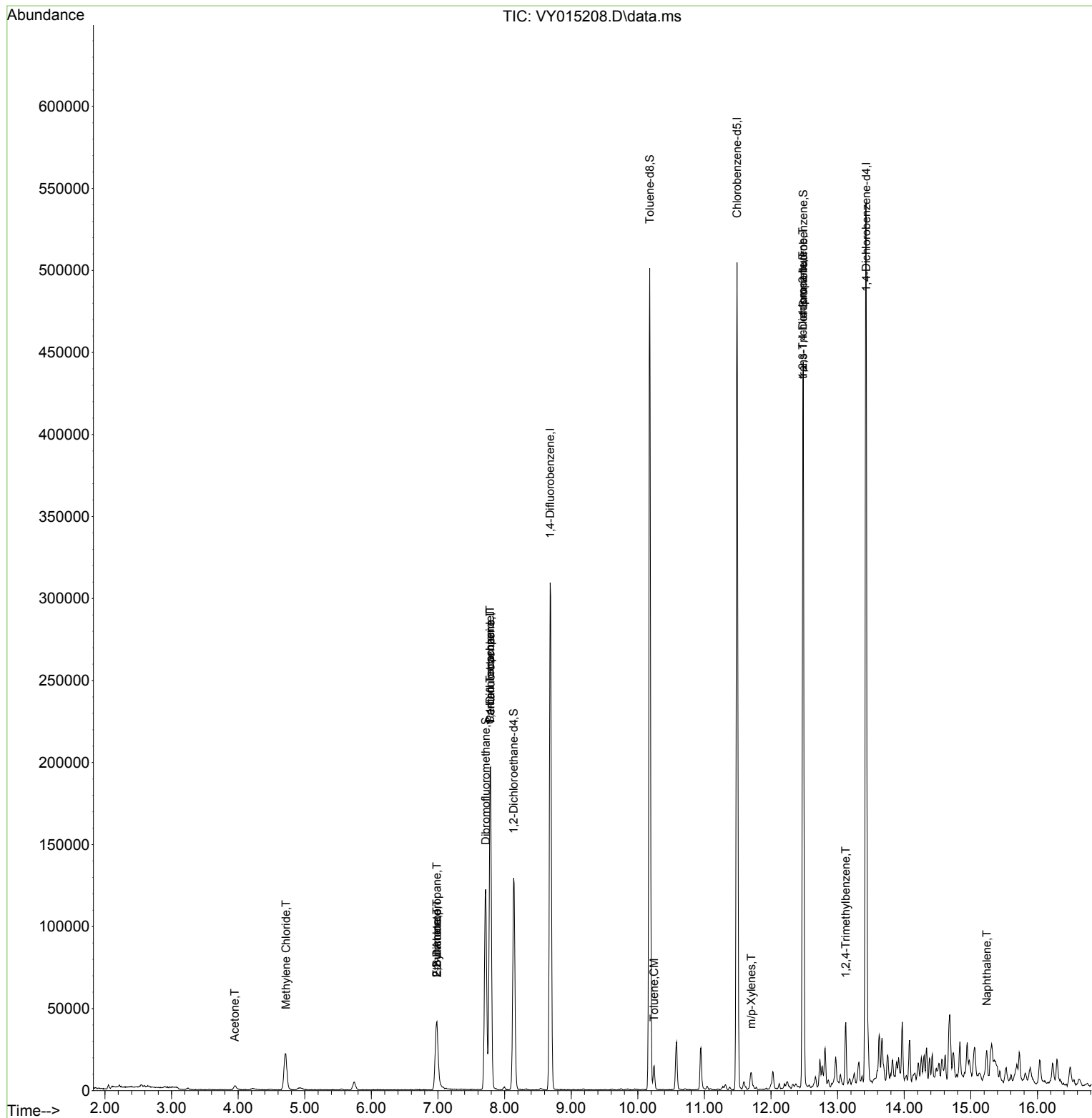
Internal Standards						
1) Pentafluorobenzene	7.789	168	156622	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	271593	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	272662	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	141595	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	103602	55.104	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.200%	
35) Dibromofluoromethane	7.716	113	85544	48.959	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.920%	
50) Toluene-d8	10.179	98	324061	49.823	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.640%	
62) 4-Bromofluorobenzene	12.483	95	128727	54.186	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 108.380%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	54	Below Cal	#	43
3) Chloromethane	2.107	50	454	Below Cal	#	88
5) Bromomethane	2.662	94	242	Below Cal		95
11) Tert butyl alcohol	4.924	59	1034	Below Cal	#	96
16) Acetone	3.948	43	5143	8.374	ug/l	99
20) Methylene Chloride	4.716	84	17497	8.276	ug/l #	84
25) 2-Butanone	6.984	43	2601	2.991	ug/l #	83
26) 2,2-Dichloropropane	6.984	77	3128	1.243	ug/l #	54
31) Cyclohexane	7.789	56	3652	Below Cal	#	3
36) 1,1-Dichloropropene	7.783	75	11874	6.143	ug/l #	50
37) Ethyl Acetate	6.984	43	2601	1.444	ug/l #	1
38) Carbon Tetrachloride	7.783	117	15304	6.690	ug/l #	17
52) Toluene	10.246	92	5768	1.497	ug/l	99
68) m/p-Xylenes	11.703	106	3427	1.037	ug/l	97
76) 1,2,3-Trichloropropane	12.477	75	68736	39.956	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	68736	87.764	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.123	105	20577	2.713	ug/l	99
95) Naphthalene	15.239	128	11531	1.753	ug/l #	94

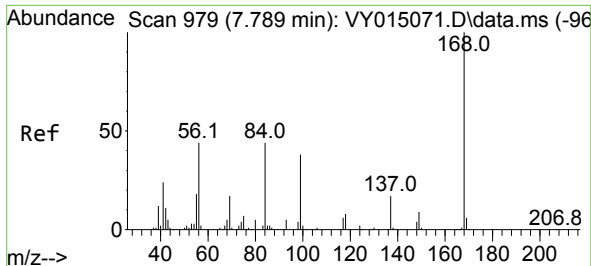
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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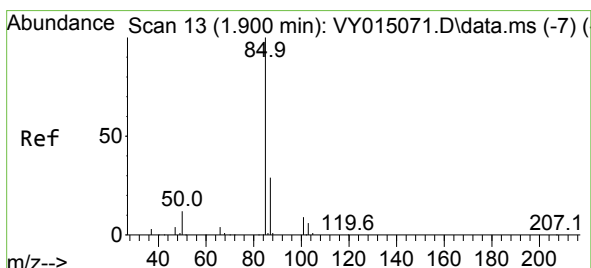
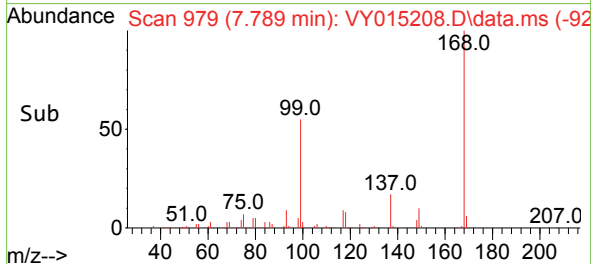
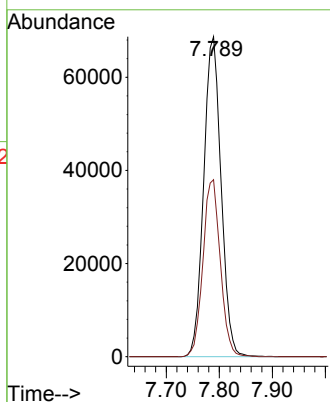
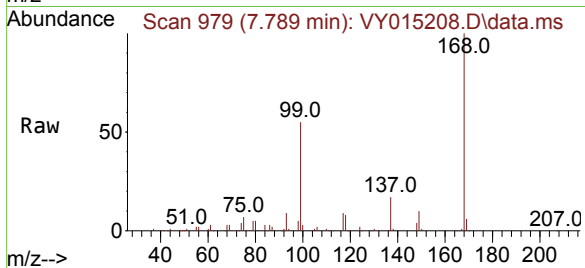




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015208.D
Acq: 18 Aug 2023 20:08

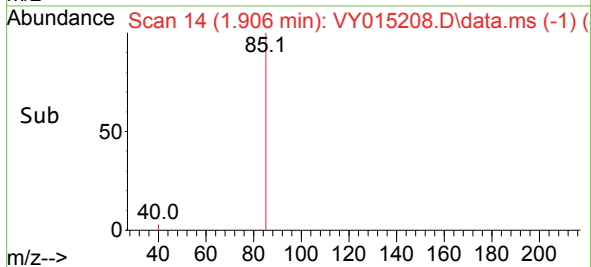
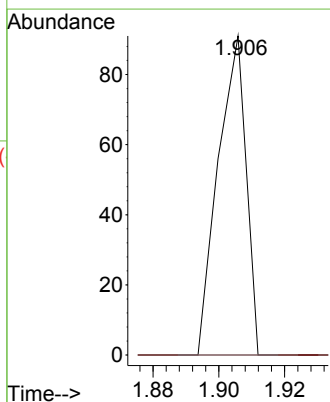
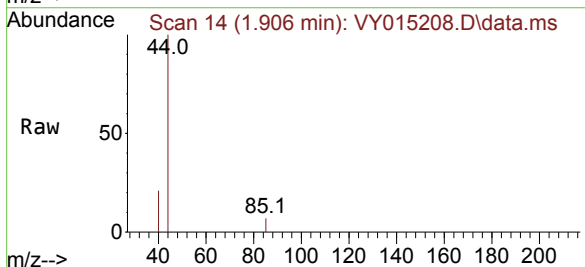
Instrument :
MSVOA_Y
ClientSampleId :

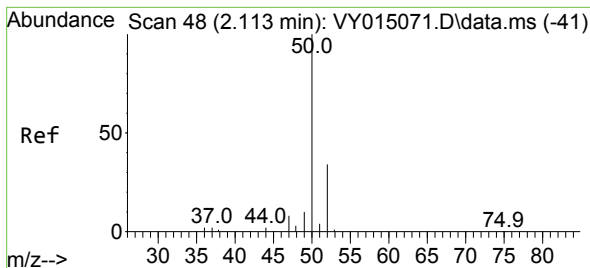
Tgt Ion:168 Resp: 156622
Ion Ratio Lower Upper
168 100
99 55.3 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY015208.D
Acq: 18 Aug 2023 20:08

Tgt Ion: 85 Resp: 54
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: VY015208.D

Acq: 18 Aug 2023 20:08

Instrument :

MSVOA_Y

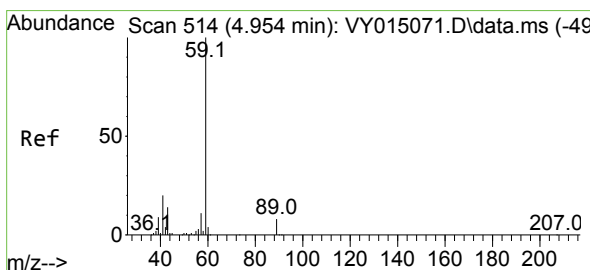
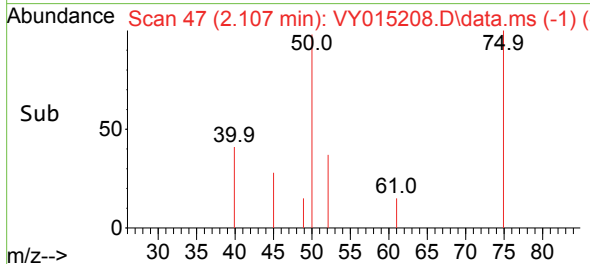
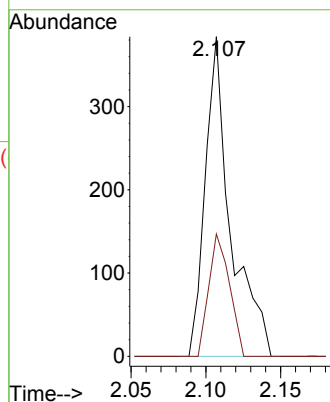
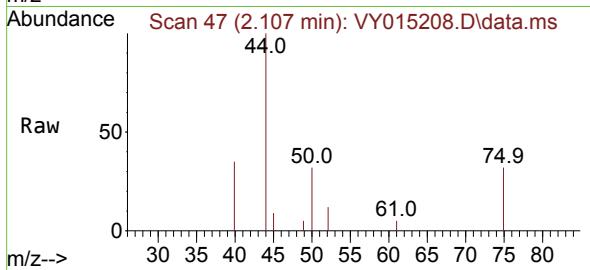
ClientSampleId :

Tgt Ion: 50 Resp: 454

Ion Ratio Lower Upper

50 100

52 38.3 25.4 38.2#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.924 min Scan# 509

Delta R.T. -0.024 min

Lab File: VY015208.D

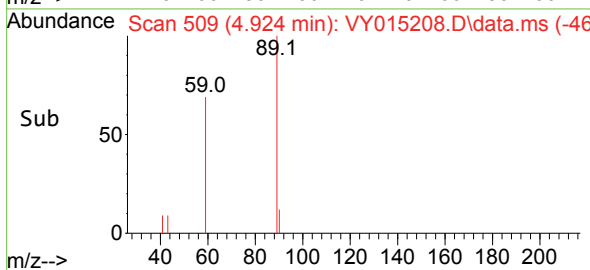
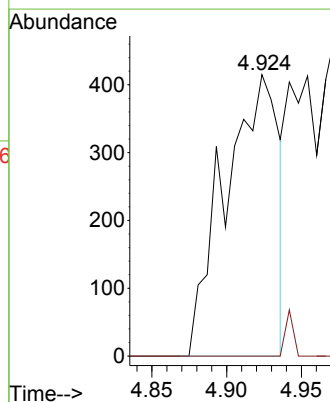
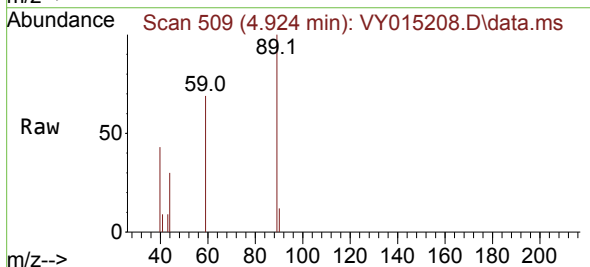
Acq: 18 Aug 2023 20:08

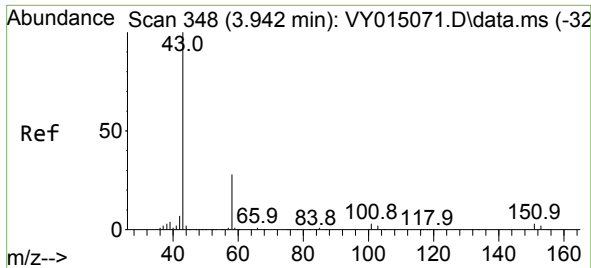
Tgt Ion: 59 Resp: 1034

Ion Ratio Lower Upper

59 100

57 2.4 3.0 4.4#





#16

Acetone

Concen: 8.374 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY015208.D

Acq: 18 Aug 2023 20:08

Instrument :

MSVOA_Y

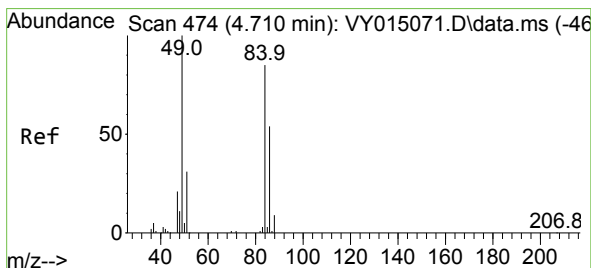
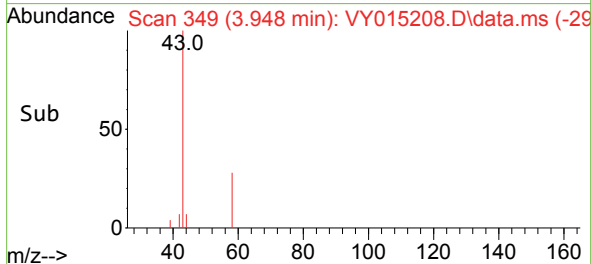
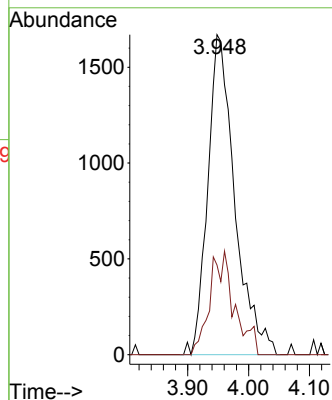
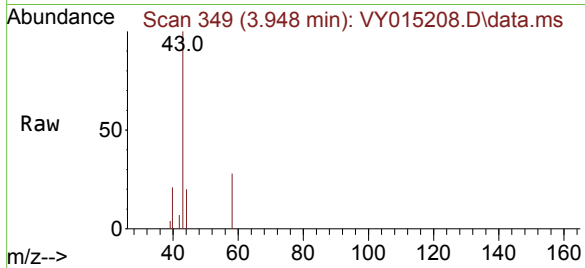
ClientSampleId :

Tgt Ion: 43 Resp: 5143

Ion Ratio Lower Upper

43 100

58 28.0 22.7 34.1



#20

Methylene Chloride

Concen: 8.276 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.006 min

Lab File: VY015208.D

Acq: 18 Aug 2023 20:08

Tgt Ion: 84 Resp: 17497

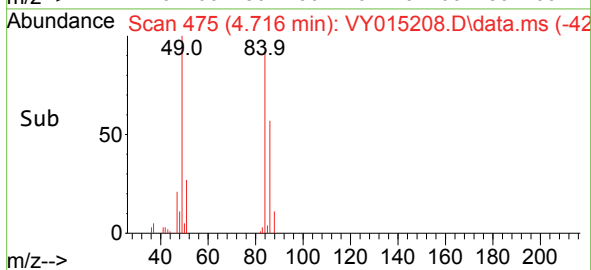
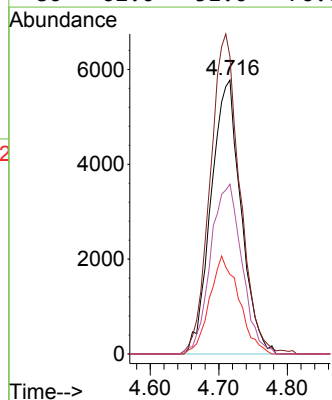
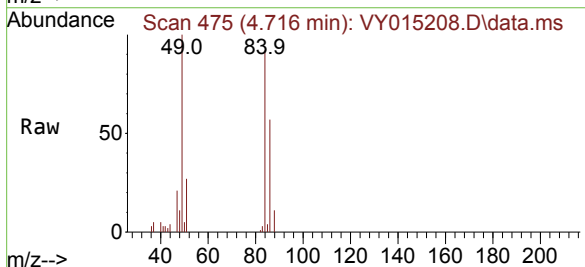
Ion Ratio Lower Upper

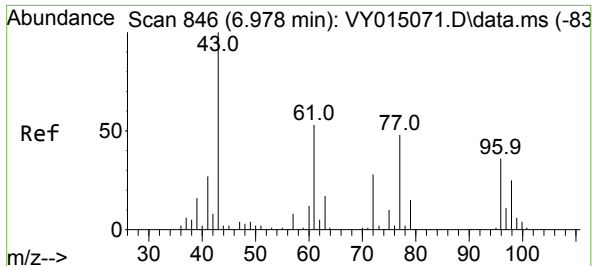
84 100

49 108.5 106.9 160.3

51 29.0 33.2 49.8#

86 62.0 51.0 76.6





#25

2-Butanone

Concen: 2.991 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY015208.D

Acq: 18 Aug 2023 20:08

Instrument :

MSVOA_Y

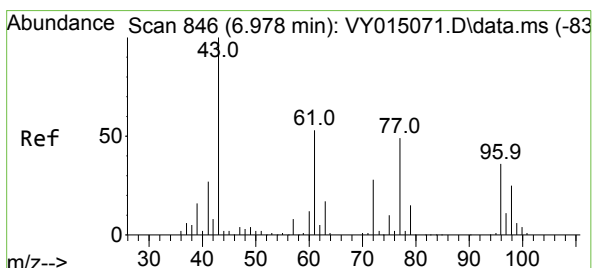
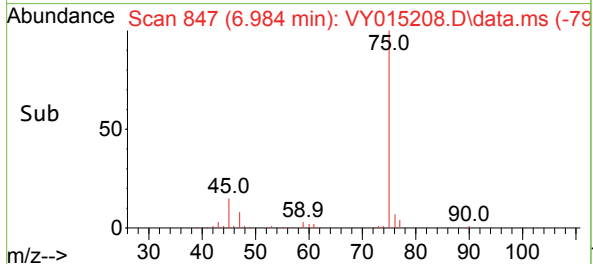
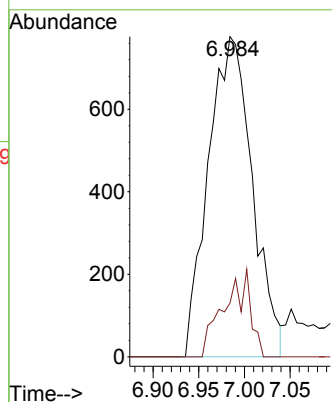
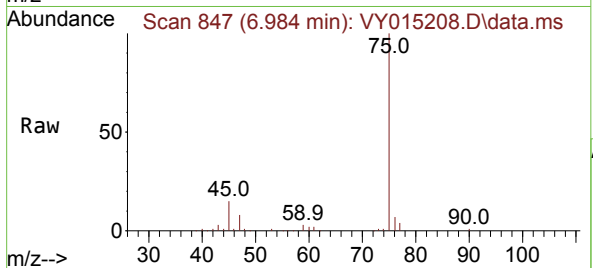
ClientSampleId :

Tgt Ion: 43 Resp: 2601

Ion Ratio Lower Upper

43 100

72 16.8 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 1.243 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.012 min

Lab File: VY015208.D

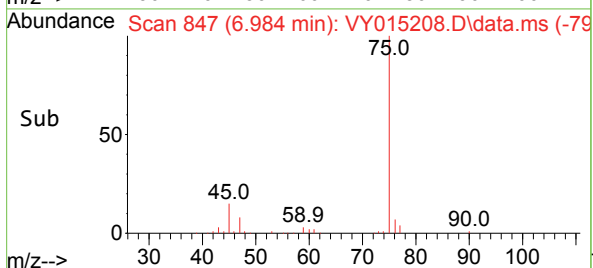
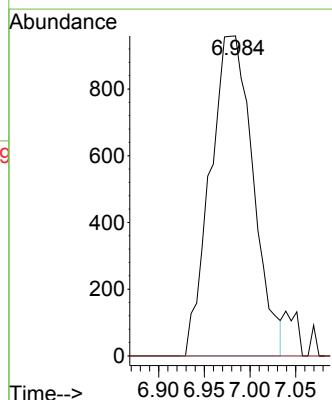
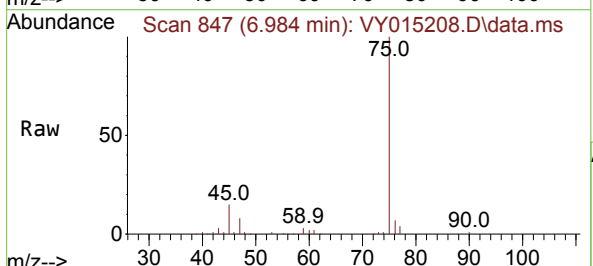
Acq: 18 Aug 2023 20:08

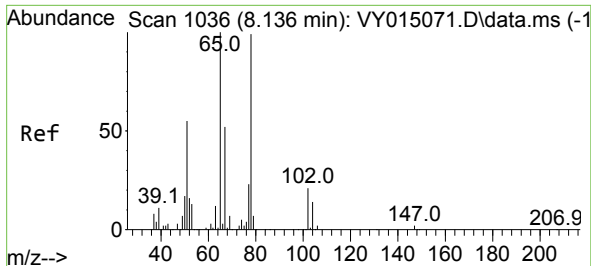
Tgt Ion: 77 Resp: 3128

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#





#33

1,2-Dichloroethane-d4

Concen: 55.104 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015208.D

Acq: 18 Aug 2023 20:08

Instrument :

MSVOA_Y

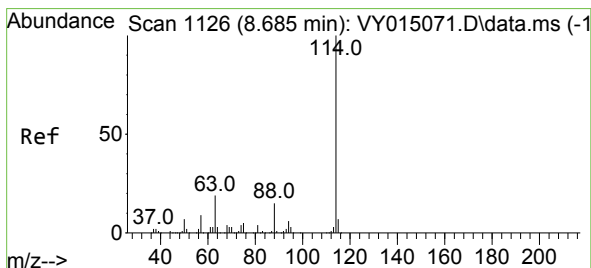
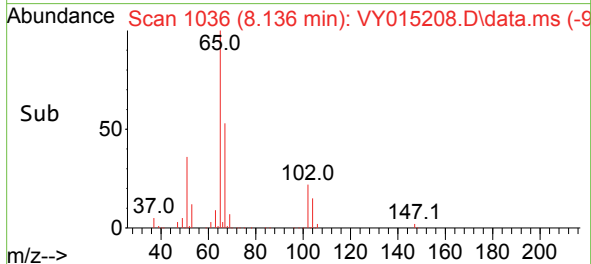
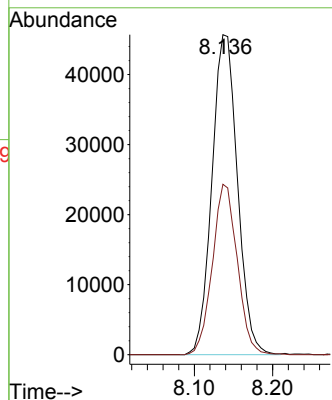
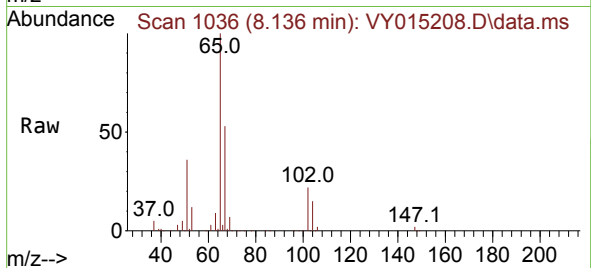
ClientSampleId :

Tgt Ion: 65 Resp: 103602

Ion Ratio Lower Upper

65 100

67 51.9 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: VY015208.D

Acq: 18 Aug 2023 20:08

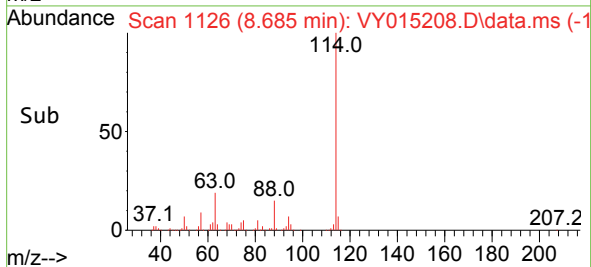
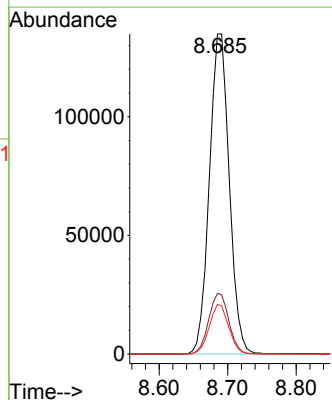
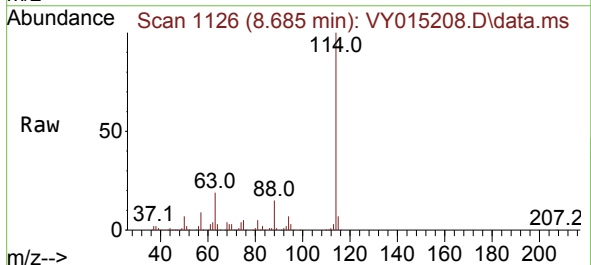
Tgt Ion: 114 Resp: 271593

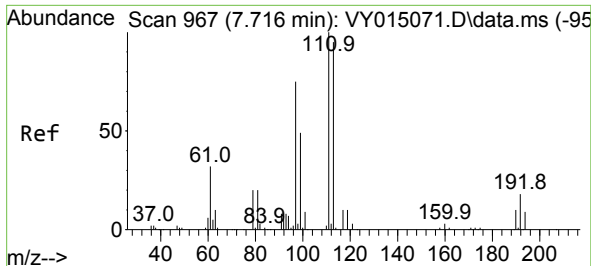
Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 15.4 0.0 30.6

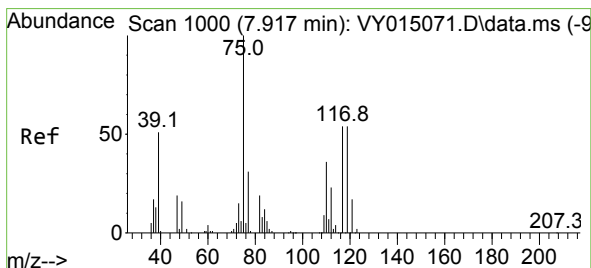
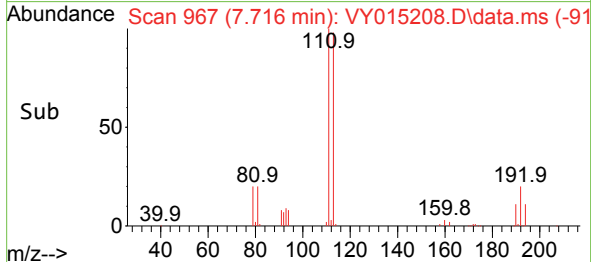
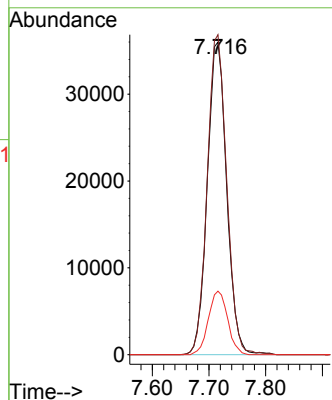
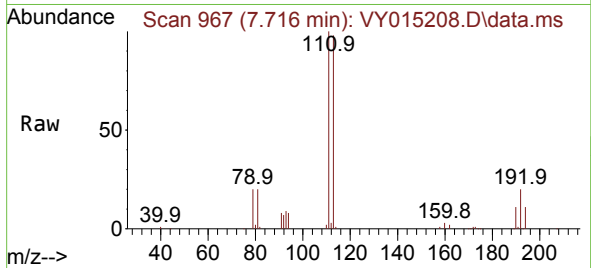




#35
Dibromofluoromethane
Concen: 48.959 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY015208.D
Acq: 18 Aug 2023 20:08

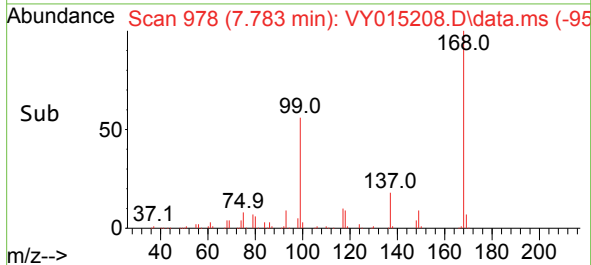
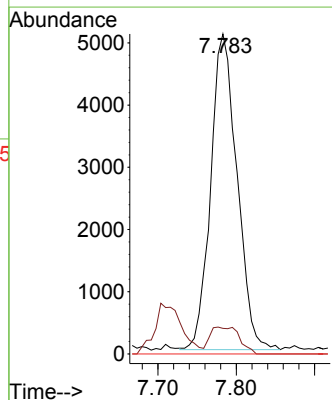
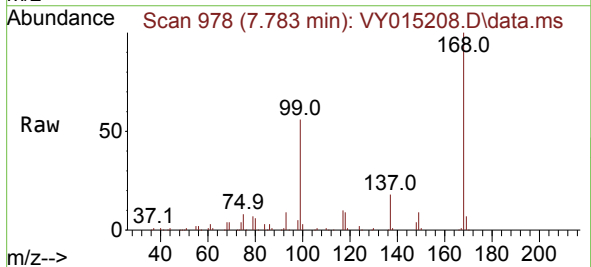
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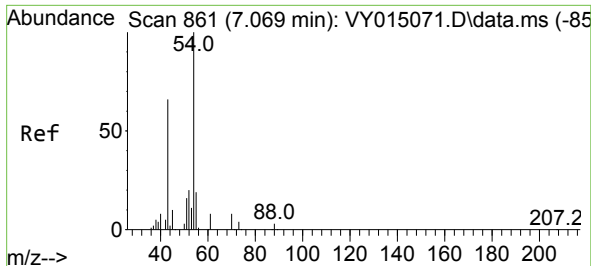
Tgt Ion:113 Resp: 85544
Ion Ratio Lower Upper
113 100
111 102.6 81.3 121.9
192 20.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.143 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015208.D
Acq: 18 Aug 2023 20:08

Tgt Ion: 75 Resp: 11874
Ion Ratio Lower Upper
75 100
110 9.4 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.444 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.085 min

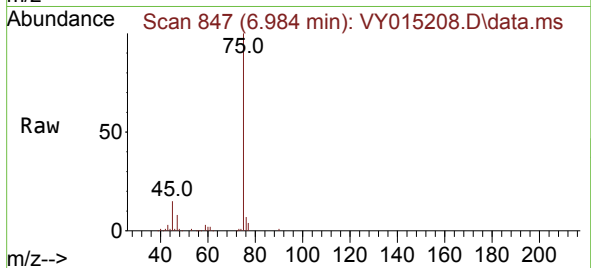
Lab File: VY015208.D

Acq: 18 Aug 2023 20:08

Instrument :

MSVOA_Y

ClientSampleId :



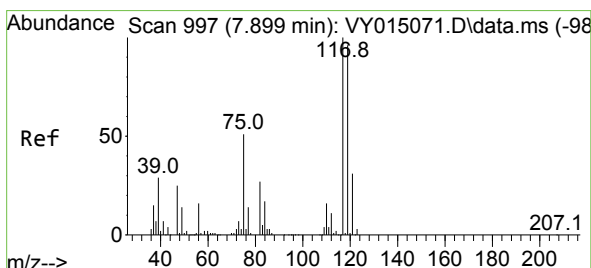
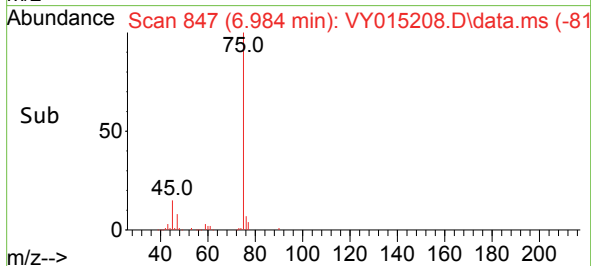
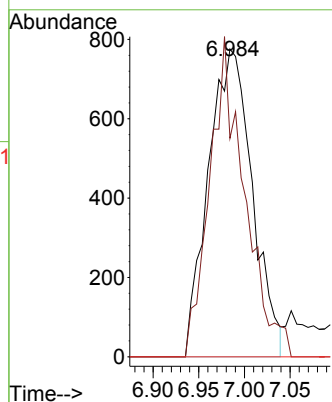
Tgt Ion: 43 Resp: 2601

Ion Ratio Lower Upper

43 100

61 82.4 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.690 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY015208.D

Acq: 18 Aug 2023 20:08

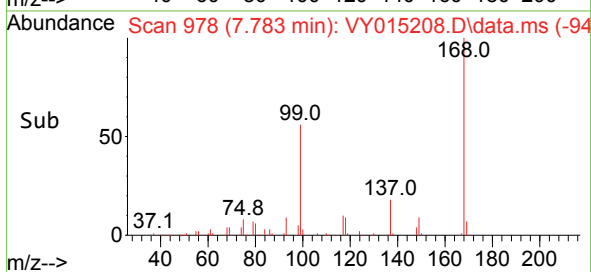
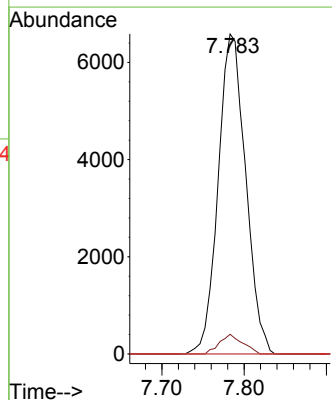
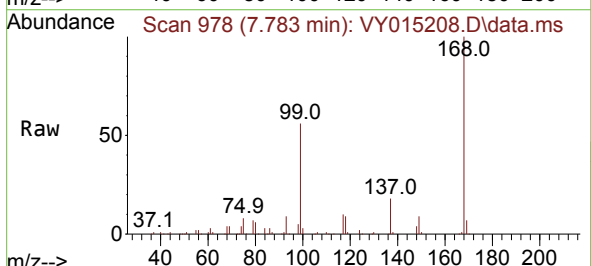
Tgt Ion: 117 Resp: 15304

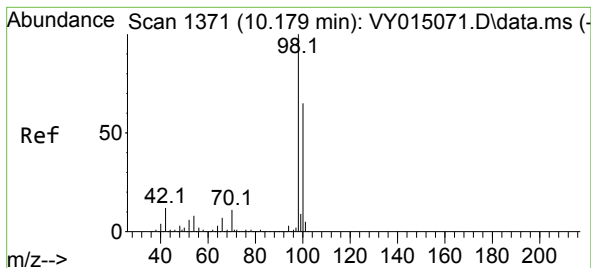
Ion Ratio Lower Upper

117 100

119 6.1 76.4 114.6#

121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 49.823 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY015208.D

Acq: 18 Aug 2023 20:08

Instrument :

MSVOA_Y

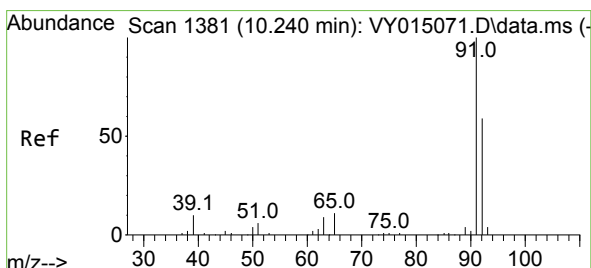
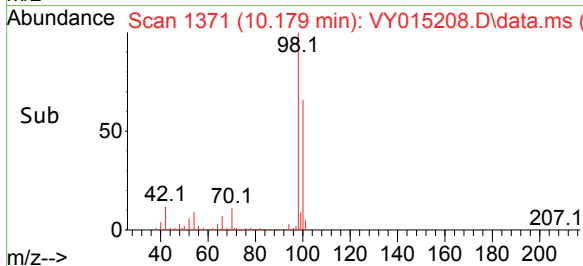
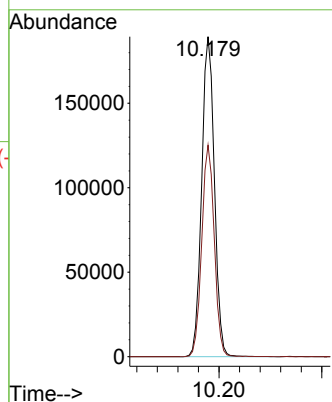
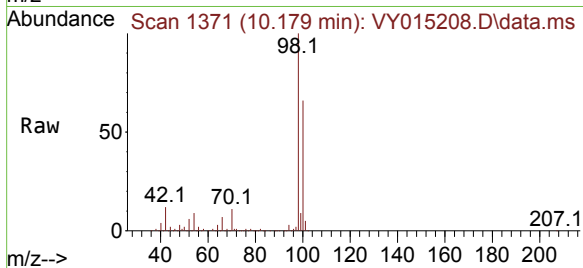
ClientSampleId :

Tgt Ion: 98 Resp: 324061

Ion Ratio Lower Upper

98 100

100 65.2 50.1 75.1



#52

Toluene

Concen: 1.497 ug/l

RT: 10.246 min Scan# 1382

Delta R.T. 0.006 min

Lab File: VY015208.D

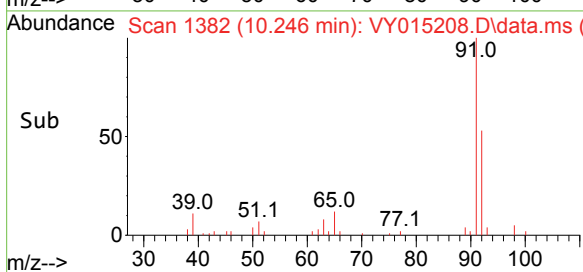
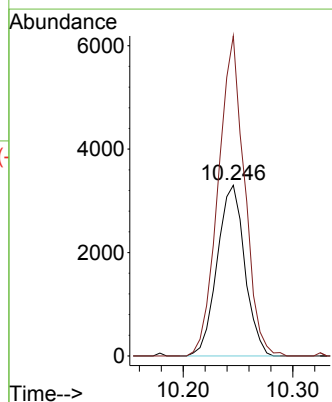
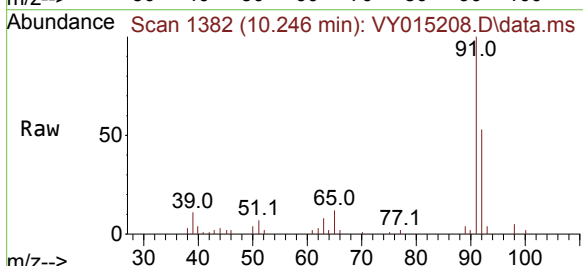
Acq: 18 Aug 2023 20:08

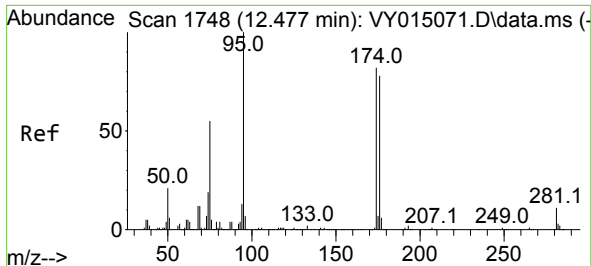
Tgt Ion: 92 Resp: 5768

Ion Ratio Lower Upper

92 100

91 178.7 143.8 215.6

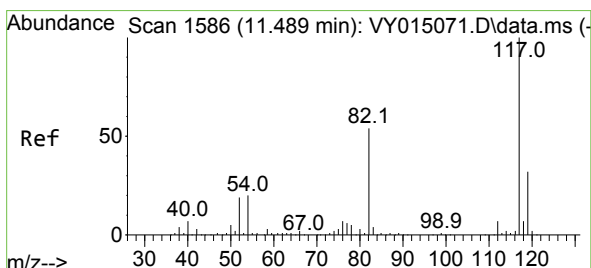
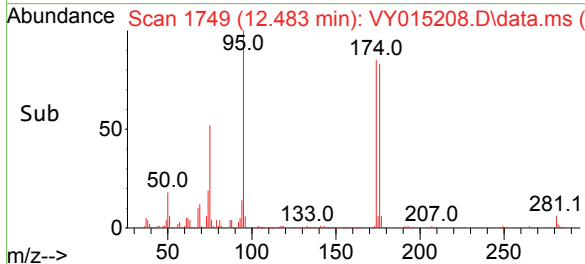
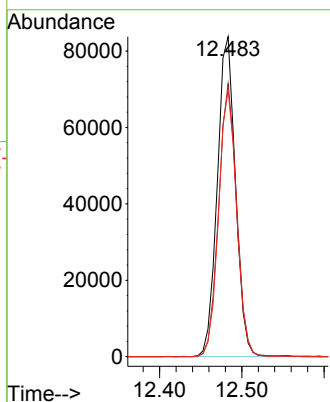
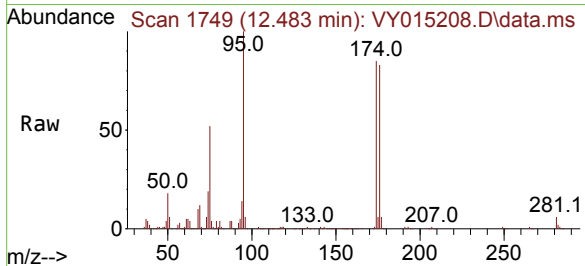




#62
4-Bromofluorobenzene
Concen: 54.186 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015208.D
Acq: 18 Aug 2023 20:08

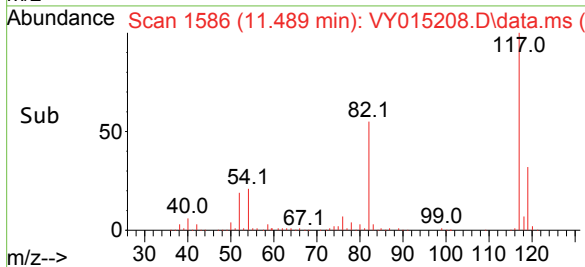
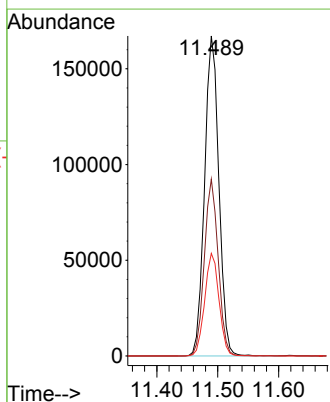
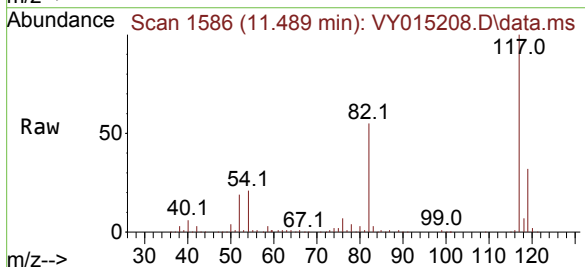
Instrument :
MSVOA_Y
ClientSampleId :

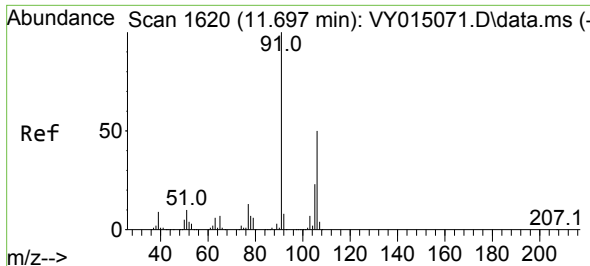
Tgt Ion: 95 Resp: 128727
Ion Ratio Lower Upper
95 100
174 84.6 0.0 178.2
176 82.6 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015208.D
Acq: 18 Aug 2023 20:08

Tgt Ion: 117 Resp: 272662
Ion Ratio Lower Upper
117 100
82 55.2 43.4 65.0
119 32.1 26.3 39.5

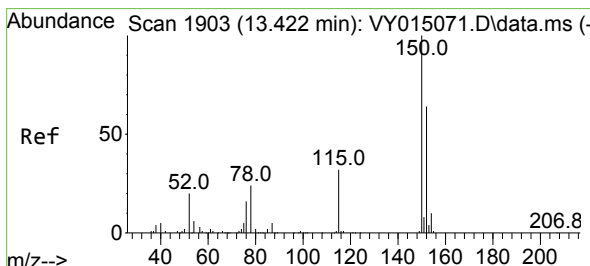
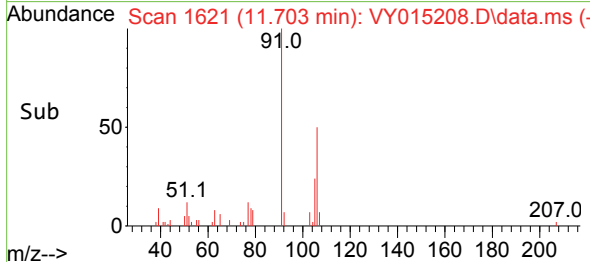
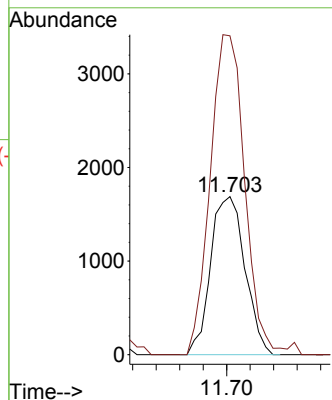
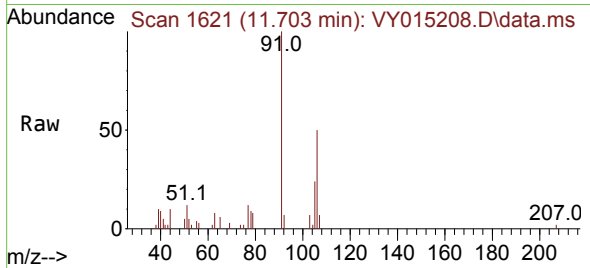




#68
m/p-Xylenes
Concen: 1.037 ug/l
RT: 11.703 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015208.D
Acq: 18 Aug 2023 20:08

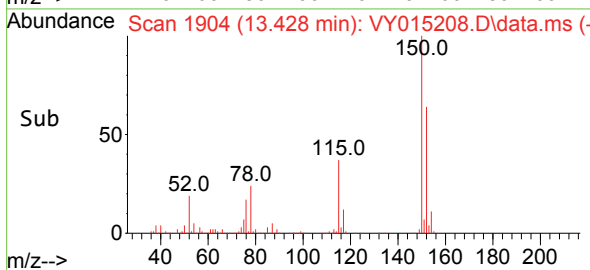
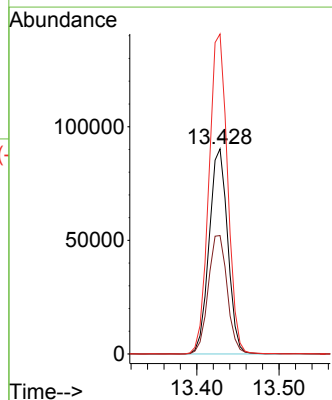
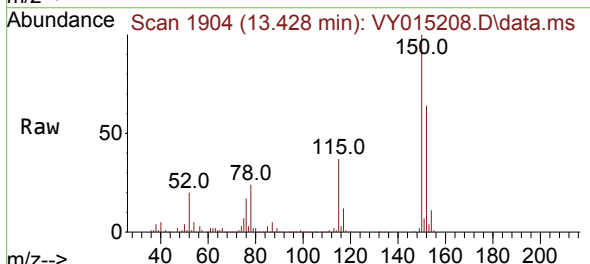
Instrument :
MSVOA_Y
ClientSampleId :

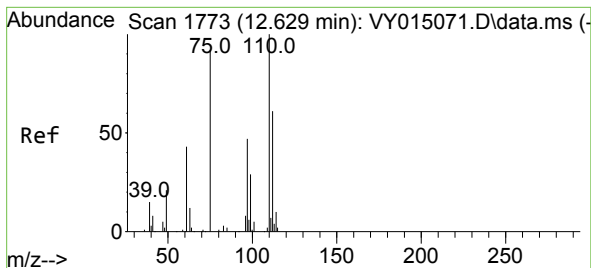
Tgt Ion:106 Resp: 3427
Ion Ratio Lower Upper
106 100
91 203.2 166.1 249.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015208.D
Acq: 18 Aug 2023 20:08

Tgt Ion:152 Resp: 141595
Ion Ratio Lower Upper
152 100
115 59.2 28.8 86.5
150 156.7 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 39.956 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015208.D

Acq: 18 Aug 2023 20:08

Instrument :

MSVOA_Y

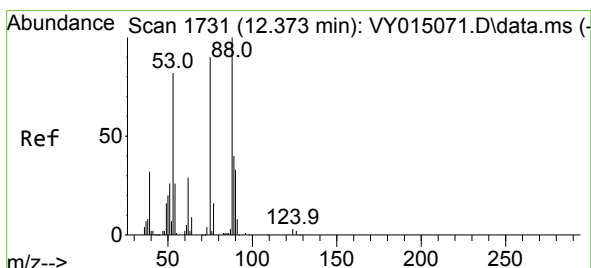
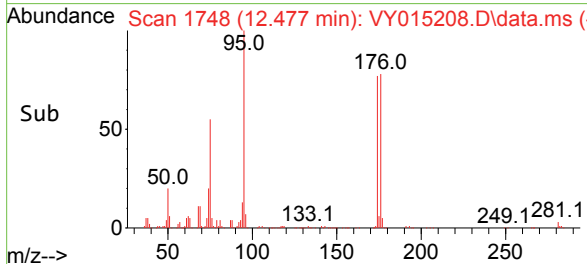
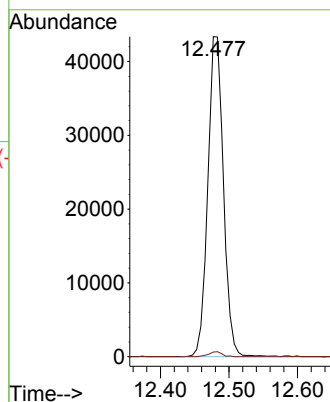
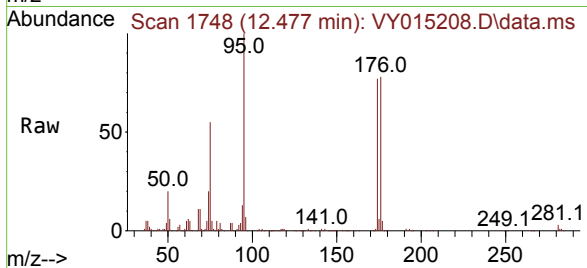
ClientSampleId :

Tgt Ion: 75 Resp: 68736

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 87.764 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.104 min

Lab File: VY015208.D

Acq: 18 Aug 2023 20:08

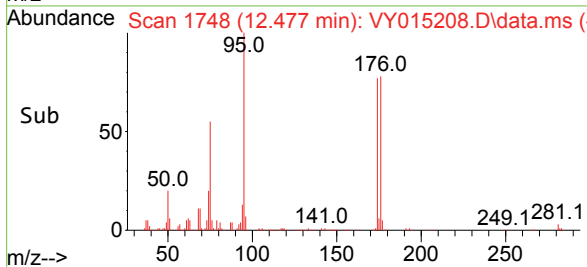
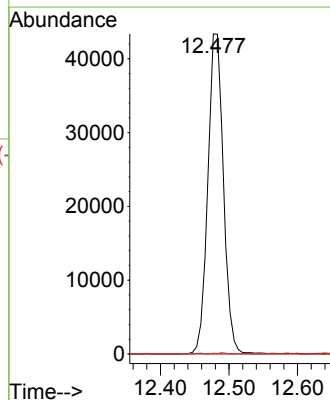
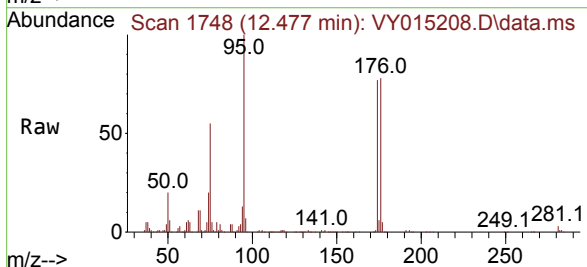
Tgt Ion: 75 Resp: 68736

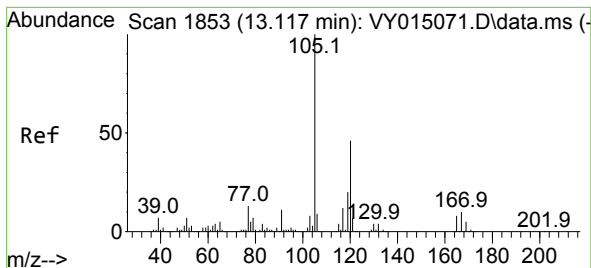
Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.2 37.4 56.0#





#84

1,2,4-Trimethylbenzene

Concen: 2.713 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VY015208.D

Acq: 18 Aug 2023 20:08

Instrument :

MSVOA_Y

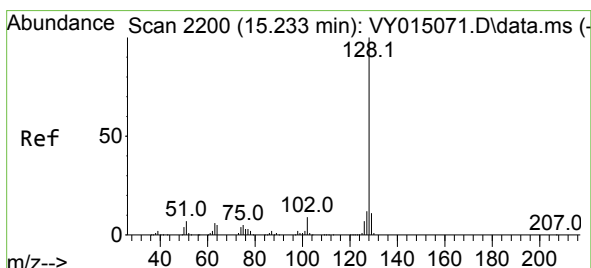
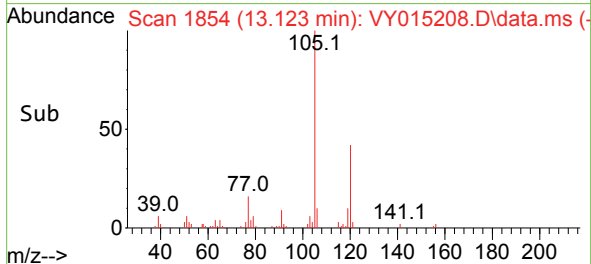
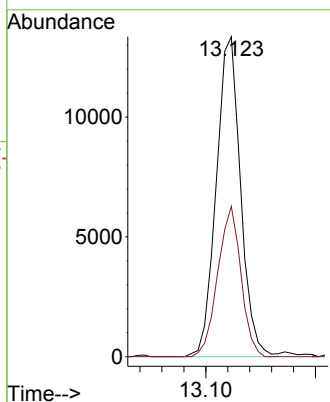
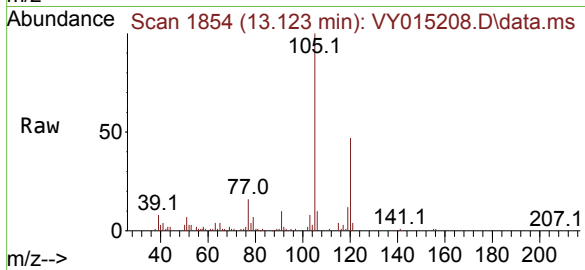
ClientSampleId :

Tgt Ion:105 Resp: 20577

Ion Ratio Lower Upper

105 100

120 44.8 22.2 66.6



#95

Naphthalene

Concen: 1.753 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY015208.D

Acq: 18 Aug 2023 20:08

Tgt Ion:128 Resp: 11531

Ion Ratio Lower Upper

128 100

127 15.0 10.8 16.2

129 14.1 8.6 13.0#

