

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071222\
 Data File : VY009544.D
 Acq On : 12 Jul 2022 19:44
 Operator : KP/MD
 Sample : N3662-05
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220498B-SIM/C4B-COMPOSITE

Quant Time: Jul 13 01:17:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 08 11:00:56 2022
 Response via : Initial Calibration

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

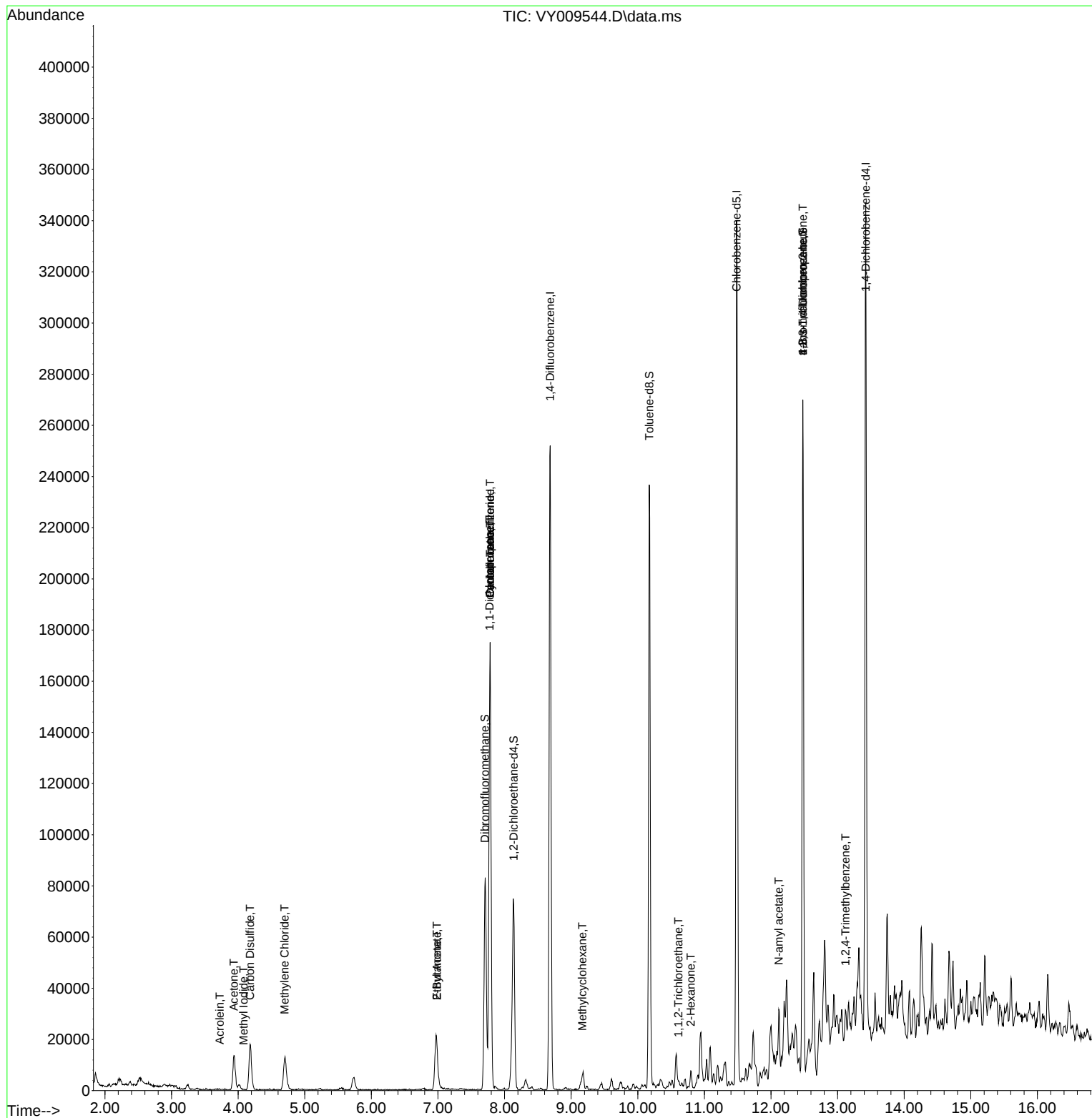
Internal Standards						
1) Pentafluorobenzene	7.783	168	135452	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	217189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.484	117	184679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	84926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	52273	55.497	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.000%
35) Dibromofluoromethane	7.704	113	57645	50.443	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.880%
50) Toluene-d8	10.173	98	146331	46.063	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	92.120%
62) 4-Bromofluorobenzene	12.477	95	72477	44.929	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	89.860%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.082	142	58	4.195	ug/l #	35
11) Tert butyl alcohol	4.948	59	540	Below Cal	#	77
13) Acrolein	3.723	56	184	31.747	ug/l #	81
16) Acetone	3.936	43	22761	69.076	ug/l	96
17) Carbon Disulfide	4.180	76	34618	12.991	ug/l	97
20) Methylene Chloride	4.698	84	9098	1.221	ug/l #	89
23) Vinyl Acetate	6.094	43	22	Below Cal	#	75
25) 2-Butanone	6.984	43	8200	15.384	ug/l #	86
31) Cyclohexane	7.783	56	3279	1.476	ug/l #	51
36) 1,1-Dichloropropene	7.777	75	9909	5.326	ug/l #	52
37) Ethyl Acetate	6.984	43	8200	7.031	ug/l #	89
38) Carbon Tetrachloride	7.783	117	12535	6.300	ug/l #	14
39) Methylcyclohexane	9.167	83	2836	1.270	ug/l #	69
55) 1,1,2-Trichloroethane	10.612	97	1186	1.013	ug/l #	15
59) 2-Hexanone	10.795	43	3226	4.068	ug/l #	29
74) N-amyl acetate	12.118	43	6100	3.691	ug/l #	59
76) 1,2,3-Trichloropropane	12.477	75	37843	42.094	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	37843	86.152	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.117	105	4860	1.006	ug/l	98

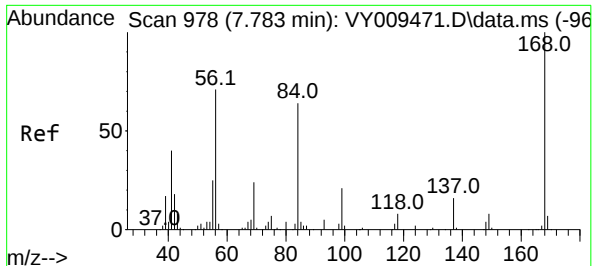
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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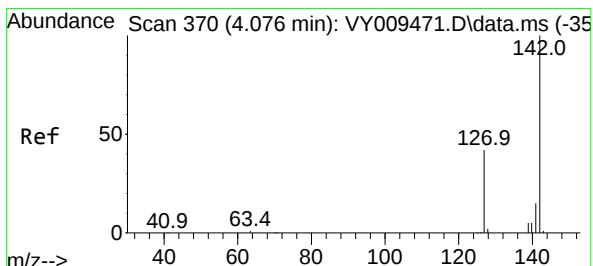
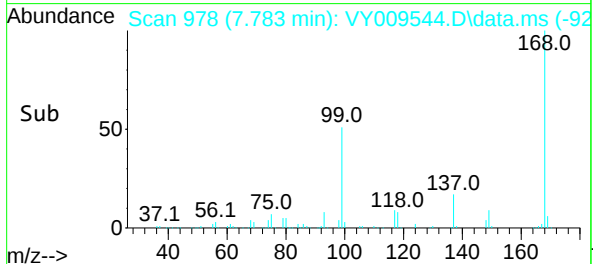
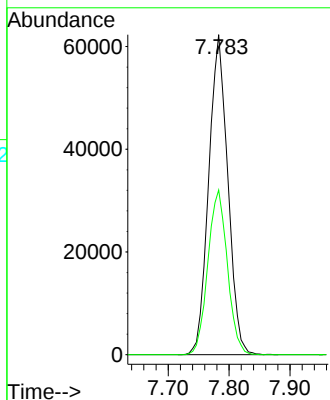
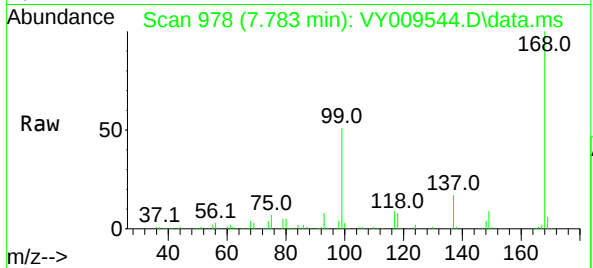




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009544.D
Acq: 12 Jul 2022 19:44

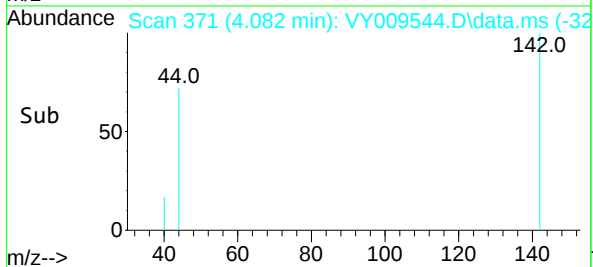
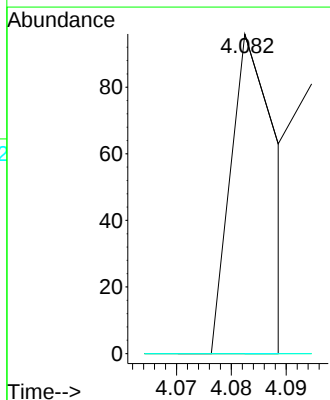
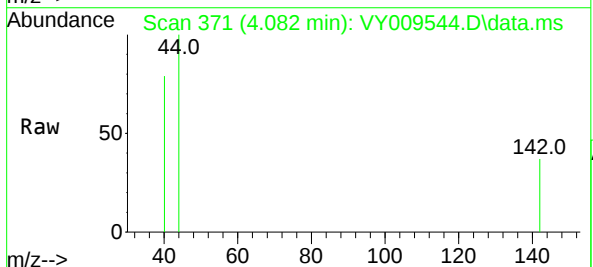
Instrument :
MSVOA_Y
ClientSampleId :
20220498B-SIM/C4B-COMPOSITE

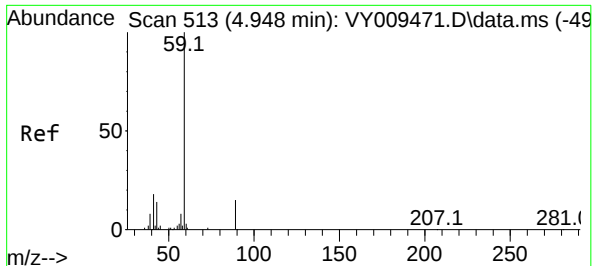
Tgt Ion:168 Resp: 135452
Ion Ratio Lower Upper
168 100
99 51.5 46.9 70.3



#10
Methyl Iodide
Concen: 4.195 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.006 min
Lab File: VY009544.D
Acq: 12 Jul 2022 19:44

Tgt Ion:142 Resp: 58
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.948 min Scan# 513

Delta R.T. 0.000 min

Lab File: VY009544.D

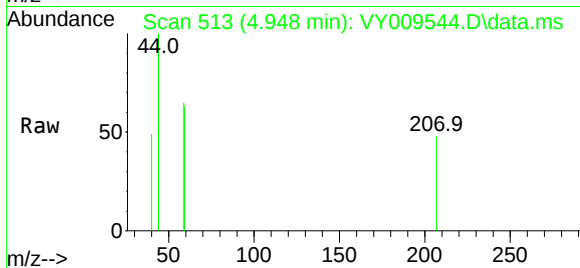
Acq: 12 Jul 2022 19:44

Instrument :

MSVOA_Y

ClientSampleId :

20220498B-SIM/C4B-COMPOSITE

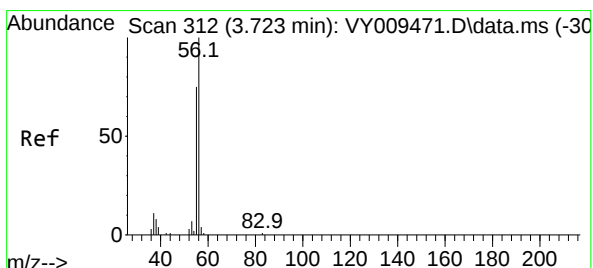
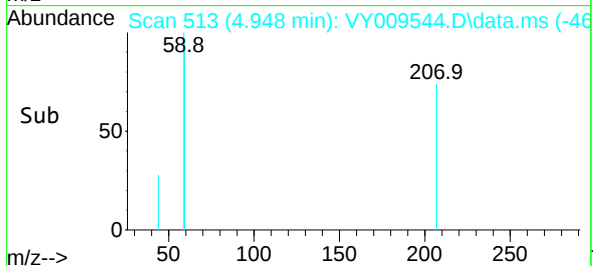
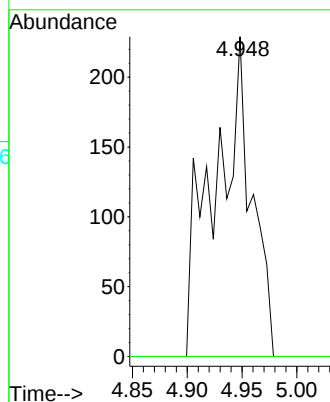


Tgt Ion: 59 Resp: 540

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#13

Acrolein

Concen: 31.747 ug/l

RT: 3.723 min Scan# 312

Delta R.T. -0.000 min

Lab File: VY009544.D

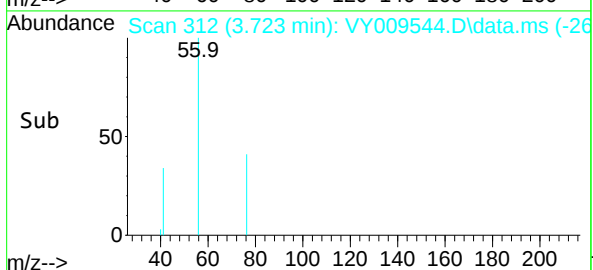
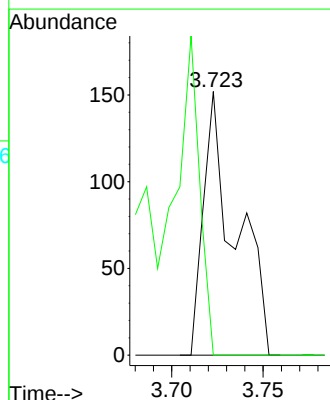
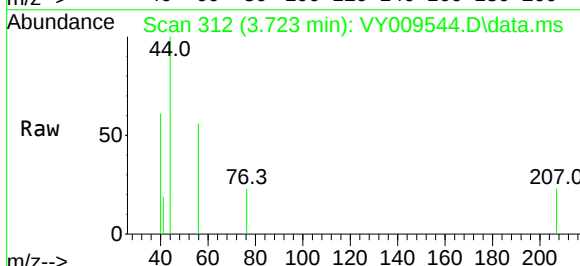
Acq: 12 Jul 2022 19:44

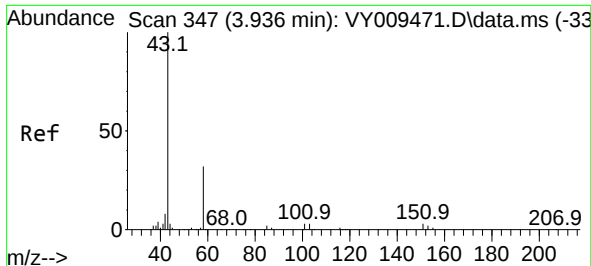
Tgt Ion: 56 Resp: 184

Ion Ratio Lower Upper

56 100

55 88.0 57.6 86.4#

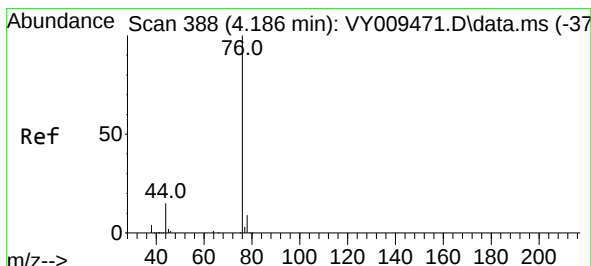
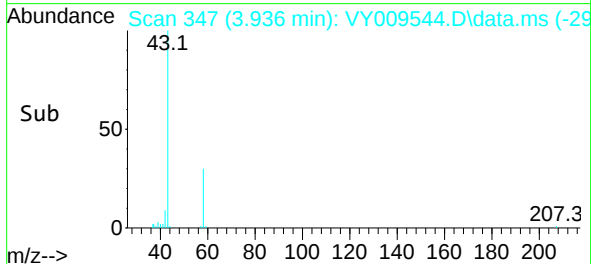
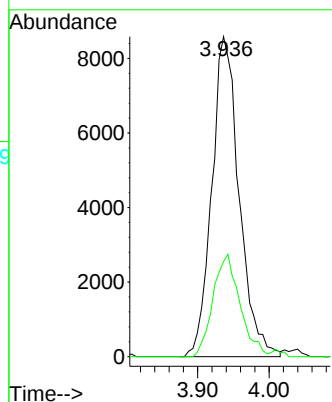
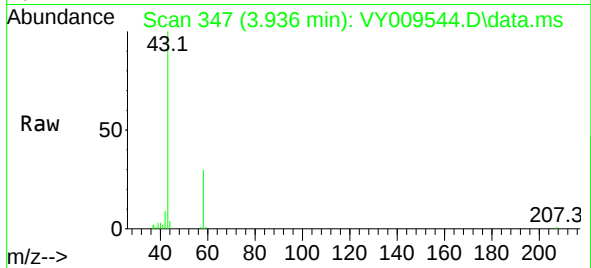




#16
Acetone
Concen: 69.076 ug/l
RT: 3.936 min Scan# 347
Delta R.T. 0.000 min
Lab File: VY009544.D
Acq: 12 Jul 2022 19:44

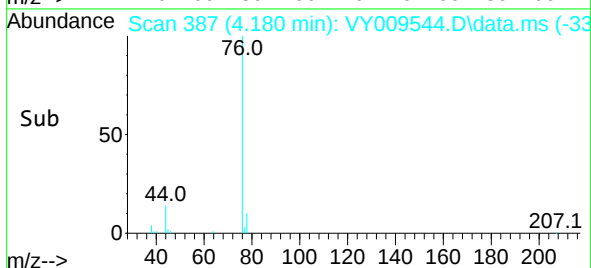
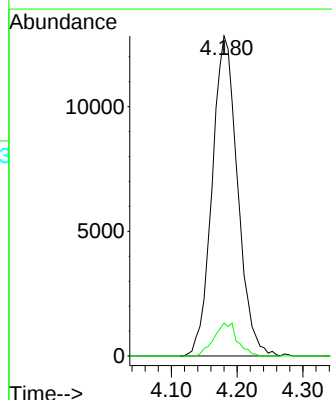
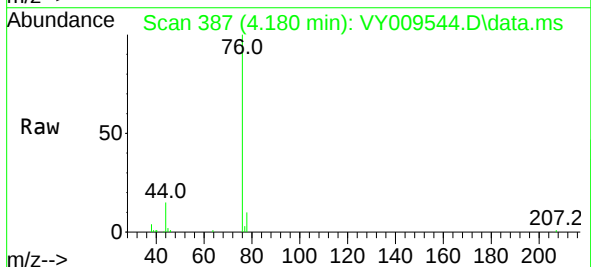
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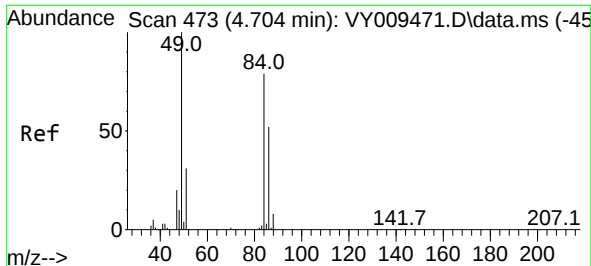
Tgt Ion: 43 Resp: 22761
Ion Ratio Lower Upper
43 100
58 29.7 22.0 33.0



#17
Carbon Disulfide
Concen: 12.991 ug/l
RT: 4.180 min Scan# 387
Delta R.T. -0.006 min
Lab File: VY009544.D
Acq: 12 Jul 2022 19:44

Tgt Ion: 76 Resp: 34618
Ion Ratio Lower Upper
76 100
78 10.3 7.4 11.0

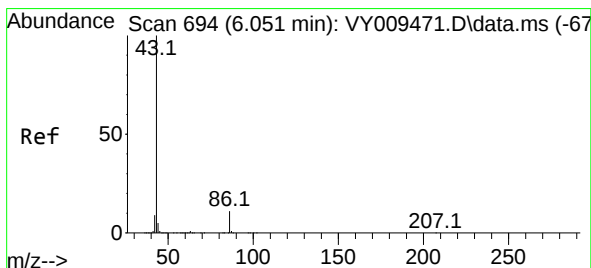
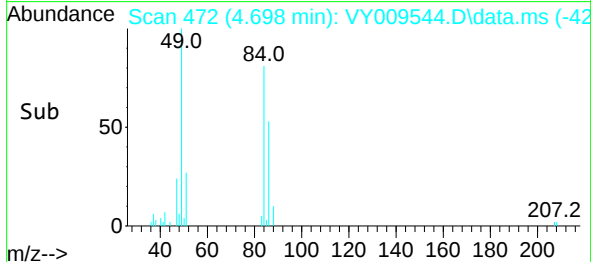
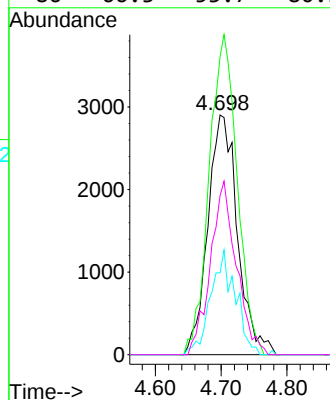
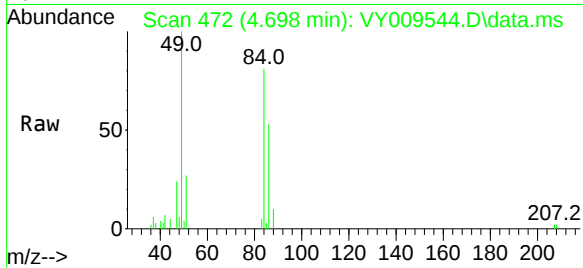




#20
Methylene Chloride
Concen: 1.221 ug/l
RT: 4.698 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY009544.D
Acq: 12 Jul 2022 19:44

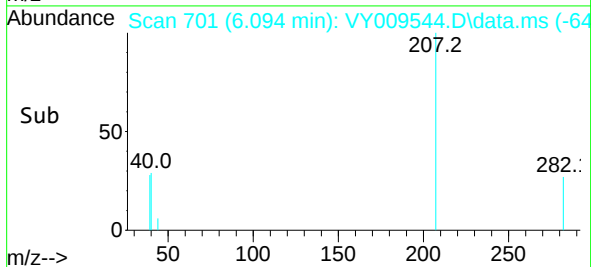
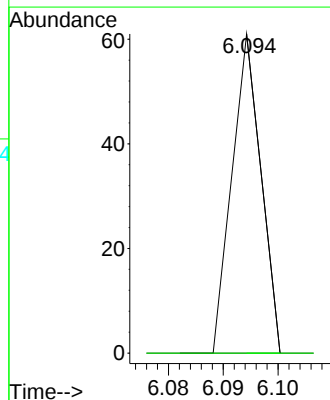
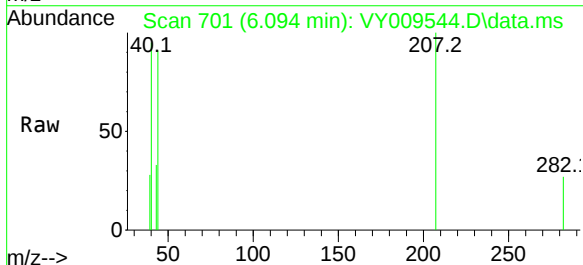
Instrument :
MSVOA_Y
ClientSampleId :
20220498B-SIM/C4B-COMPOSITE

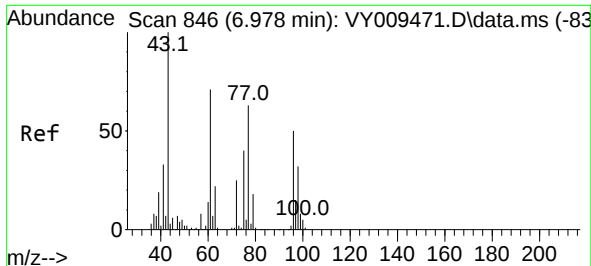
Tgt Ion:	84	Resp:	9098
Ion	Ratio	Lower	Upper
84	100		
49	124.2	114.4	171.6
51	34.1	35.3	52.9#
86	66.3	53.7	80.5



#23
Vinyl Acetate
Concen: Below Cal
RT: 6.094 min Scan# 701
Delta R.T. 0.043 min
Lab File: VY009544.D
Acq: 12 Jul 2022 19:44

Tgt Ion:	43	Resp:	22
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.1	10.7#

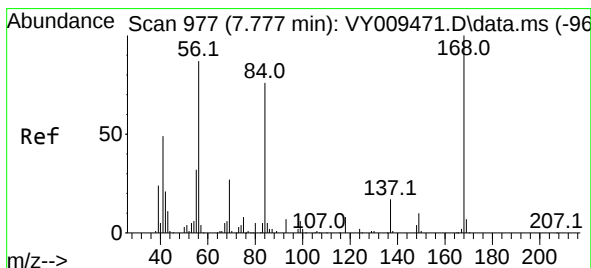
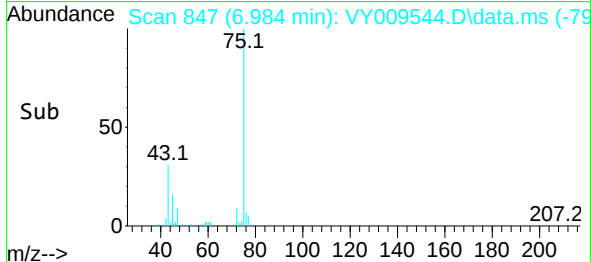
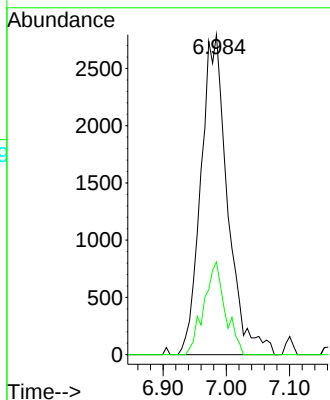
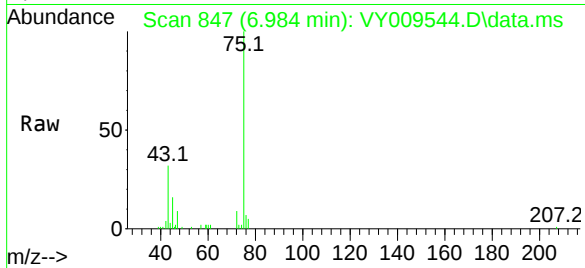




#25
2-Butanone
Concen: 15.384 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY009544.D
Acq: 12 Jul 2022 19:44

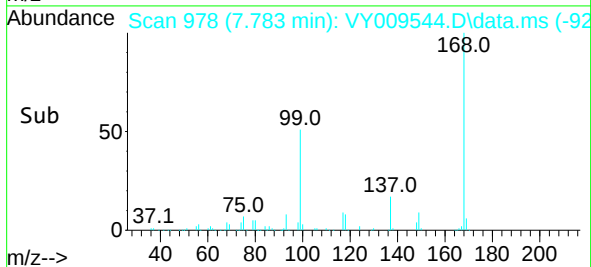
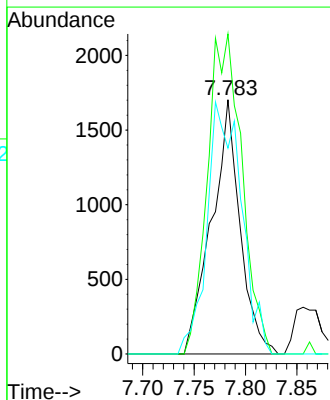
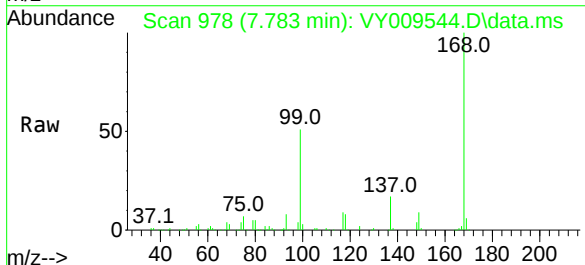
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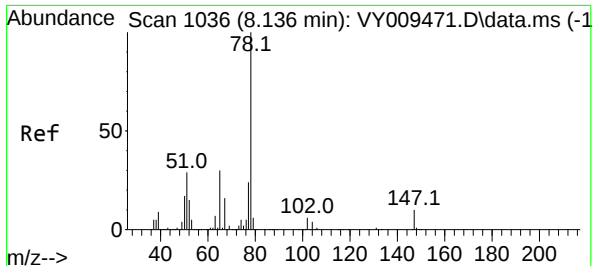
Tgt Ion: 43 Resp: 8200
Ion Ratio Lower Upper
43 100
72 29.0 17.7 26.5#



#31
Cyclohexane
Concen: 1.476 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY009544.D
Acq: 12 Jul 2022 19:44

Tgt Ion: 56 Resp: 3279
Ion Ratio Lower Upper
56 100
69 125.8 26.7 40.1#
84 80.9 67.2 100.8





#33

1,2-Dichloroethane-d4

Concen: 55.497 ug/l

RT: 8.137 min Scan# 1103

Delta R.T. 0.001 min

Lab File: VY009544.D

Acq: 12 Jul 2022 19:44

Instrument :

MSVOA_Y

ClientSampleId :

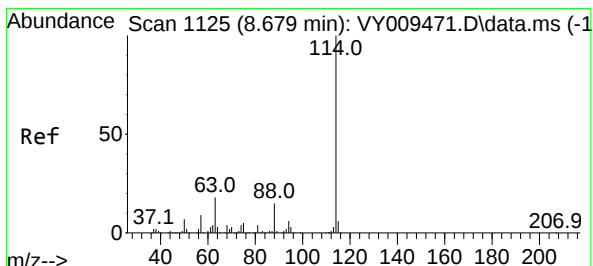
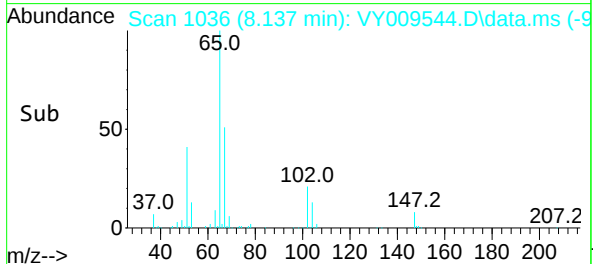
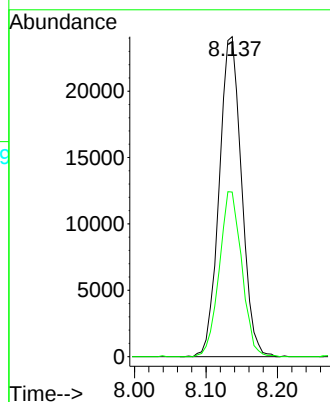
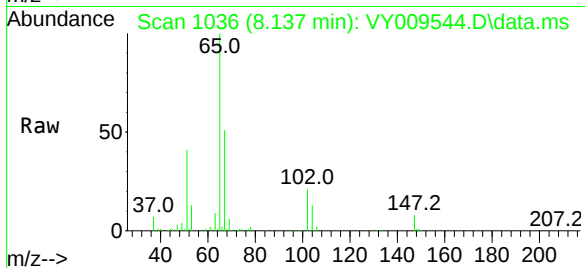
20220498B-SIM/C4B-COMPOSITE

Tgt Ion: 65 Resp: 52273

Ion Ratio Lower Upper

65 100

67 52.0 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY009544.D

Acq: 12 Jul 2022 19:44

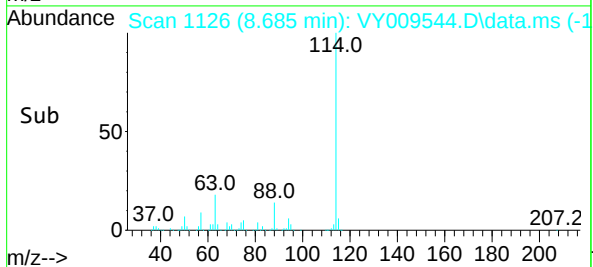
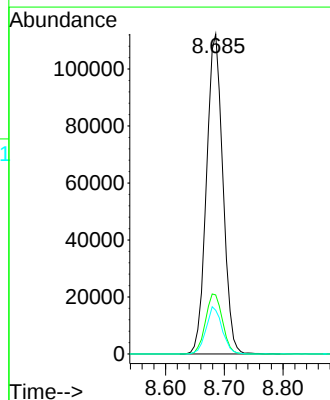
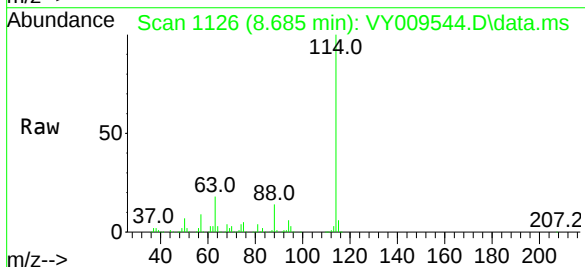
Tgt Ion: 114 Resp: 217189

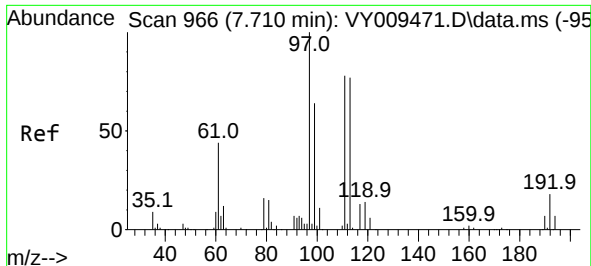
Ion Ratio Lower Upper

114 100

63 18.4 0.0 43.2

88 13.7 0.0 31.8

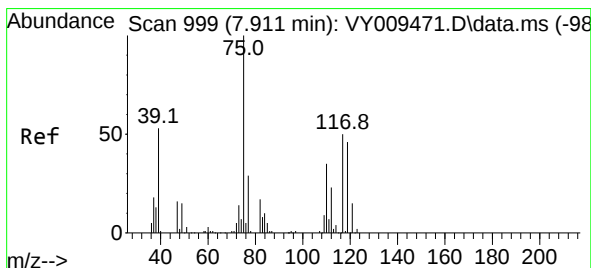
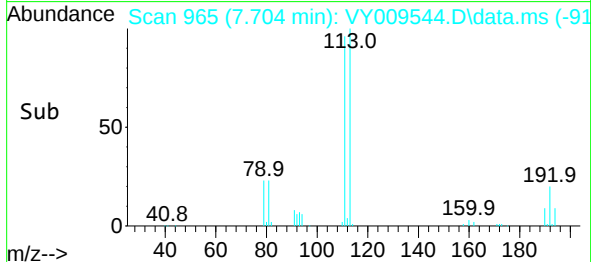
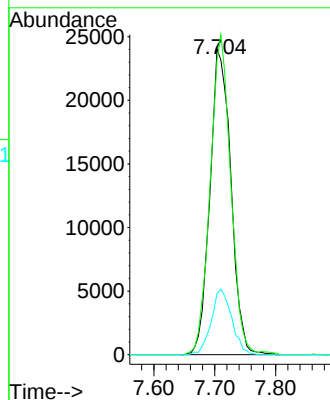
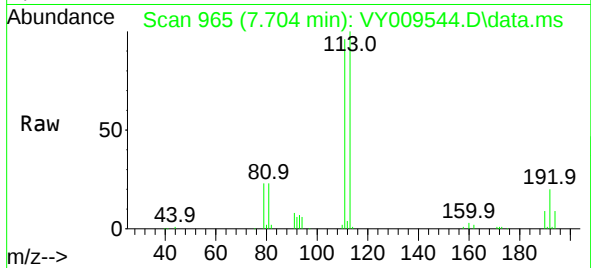




#35
Dibromofluoromethane
Concen: 50.443 ug/l
RT: 7.704 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY009544.D
Acq: 12 Jul 2022 19:44

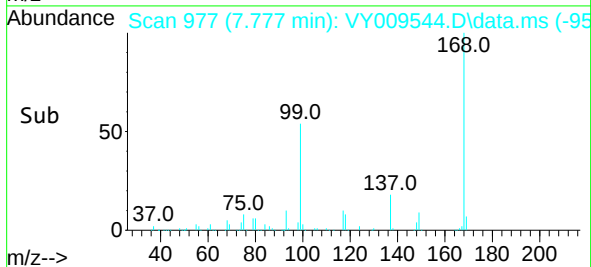
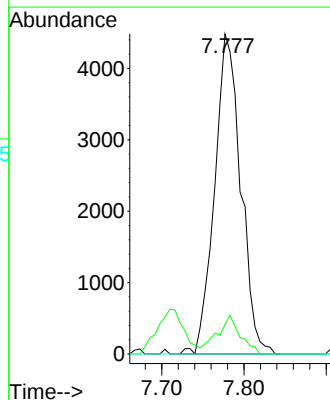
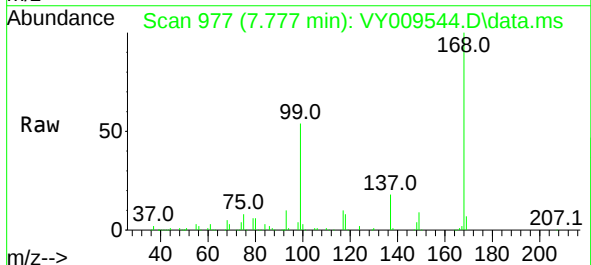
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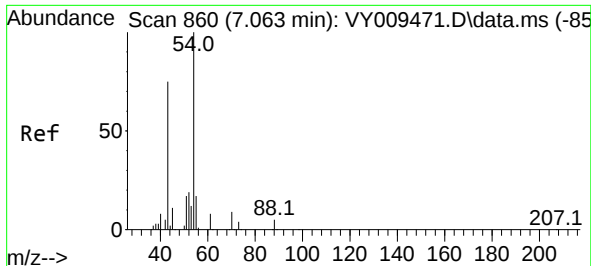
Tgt Ion:113 Resp: 57645
Ion Ratio Lower Upper
113 100
111 101.8 82.6 124.0
192 20.9 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.326 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY009544.D
Acq: 12 Jul 2022 19:44

Tgt Ion: 75 Resp: 9909
Ion Ratio Lower Upper
75 100
110 10.7 17.1 51.2#
77 0.0 24.4 36.6#

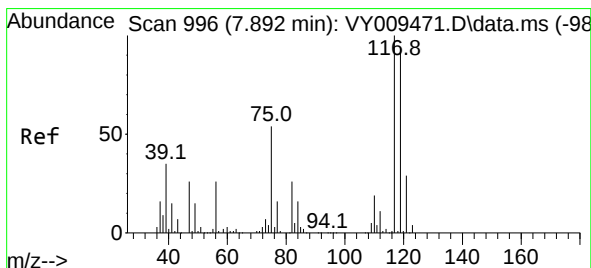
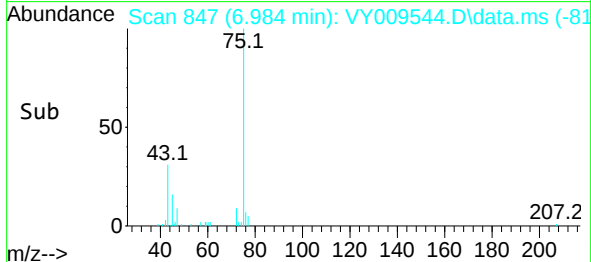
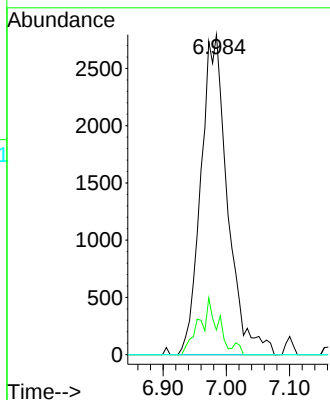
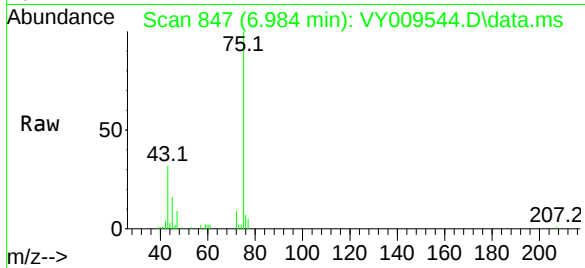




#37
Ethyl Acetate
Concen: 7.031 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.079 min
Lab File: VY009544.D
Acq: 12 Jul 2022 19:44

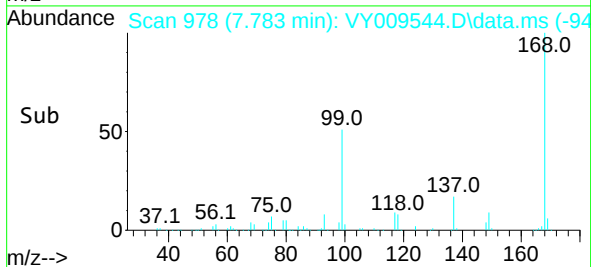
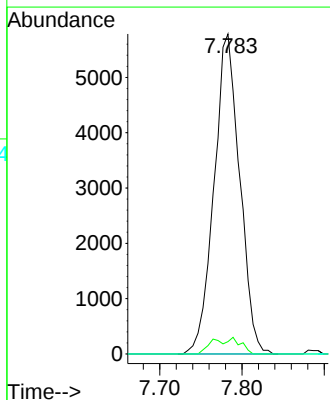
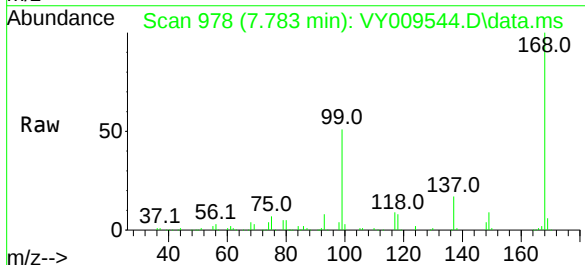
Instrument :
MSVOA_Y
ClientSampleId :
20220498B-SIM/C4B-COMPOSITE

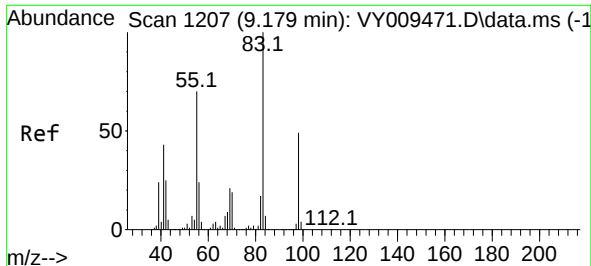
Tgt Ion: 43 Resp: 8200
Ion Ratio Lower Upper
43 100
61 12.4 9.7 14.5
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.300 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.109 min
Lab File: VY009544.D
Acq: 12 Jul 2022 19:44

Tgt Ion: 117 Resp: 12535
Ion Ratio Lower Upper
117 100
119 3.9 77.9 116.9#
121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 1.270 ug/l

RT: 9.167 min Scan# 11

Delta R.T. -0.012 min

Lab File: VY009544.D

Acq: 12 Jul 2022 19:44

Instrument :

MSVOA_Y

ClientSampleId :

20220498B-SIM/C4B-COMPOSITE

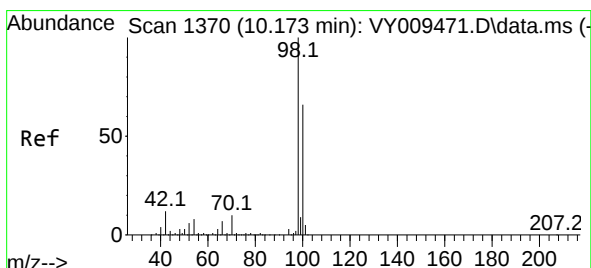
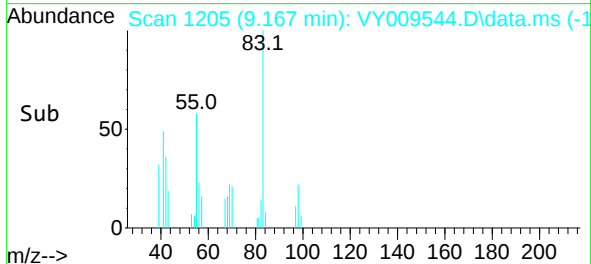
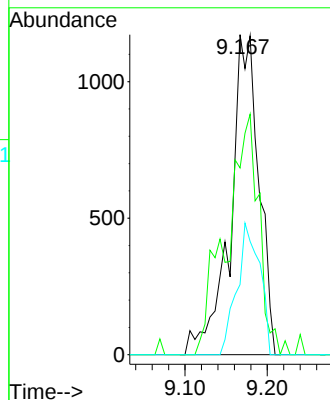
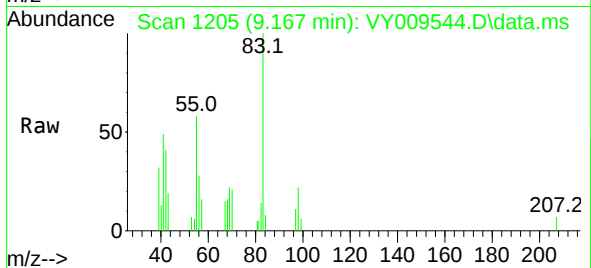
Tgt Ion: 83 Resp: 2836

Ion Ratio Lower Upper

83 100

55 58.4 66.5 99.7#

98 21.9 37.9 56.9#



#50

Toluene-d8

Concen: 46.063 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. -0.000 min

Lab File: VY009544.D

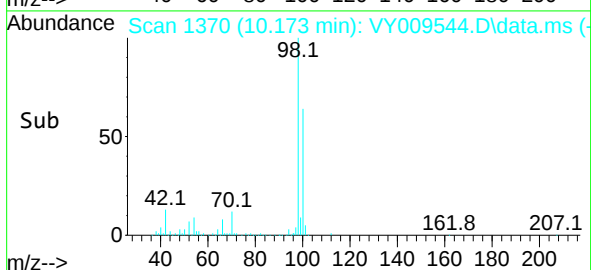
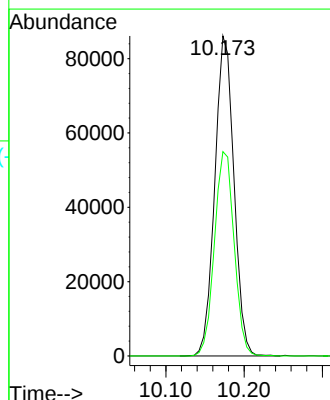
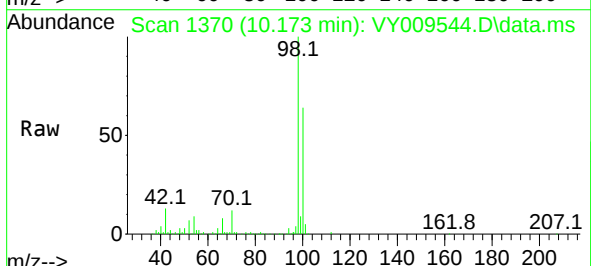
Acq: 12 Jul 2022 19:44

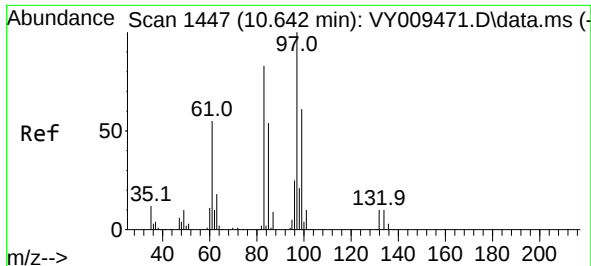
Tgt Ion: 98 Resp: 146331

Ion Ratio Lower Upper

98 100

100 65.7 50.2 75.2

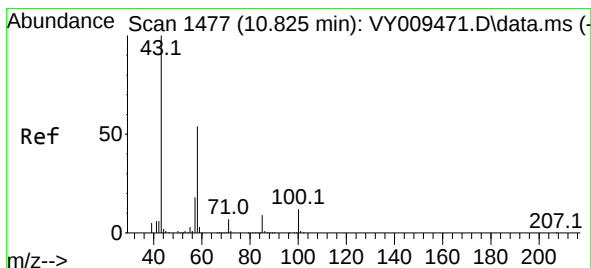
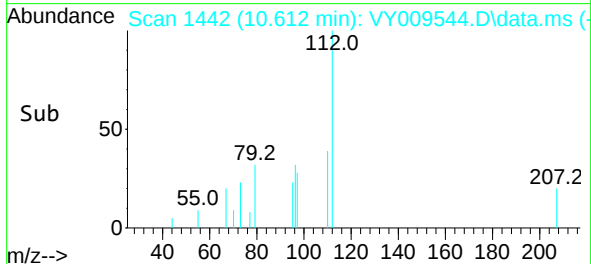
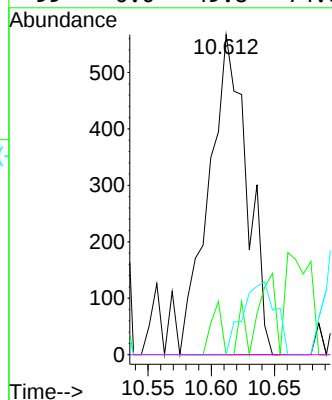
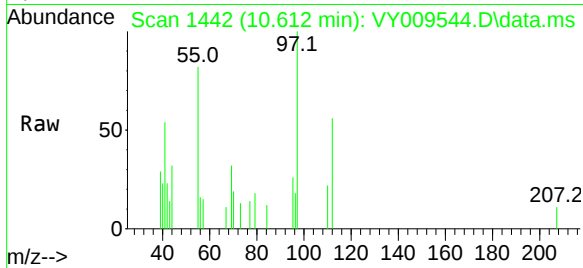




#55
1,1,2-Trichloroethane
Concen: 1.013 ug/l
RT: 10.612 min Scan# 1442
Delta R.T. -0.030 min
Lab File: VY009544.D
Acq: 12 Jul 2022 19:44

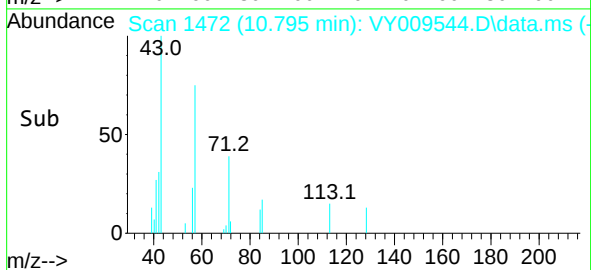
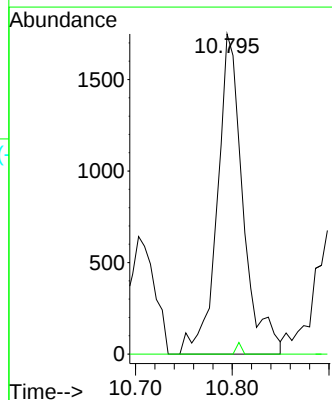
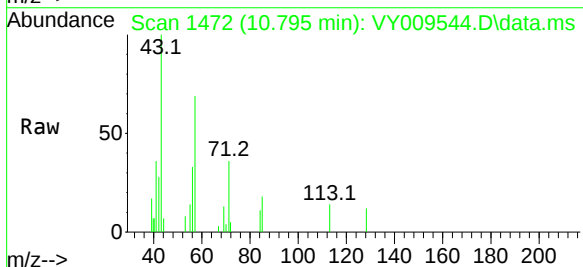
Instrument : MSVOA_Y
ClientSampleId : 20220498B-SIM/C4B-COMPOSITE

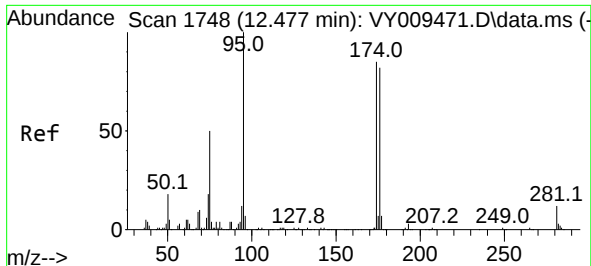
Tgt Ion: 97	Resp: 1186
Ion Ratio	Lower Upper
97 100	
83 0.0	69.8 104.8#
85 0.0	44.3 66.5#
99 0.0	49.8 74.6#



#59
2-Hexanone
Concen: 4.068 ug/l
RT: 10.795 min Scan# 1472
Delta R.T. -0.030 min
Lab File: VY009544.D
Acq: 12 Jul 2022 19:44

Tgt Ion: 43	Resp: 3226		
Ion Ratio	Lower	Upper	
43 100			
58 0.7	24.4	73.4#	

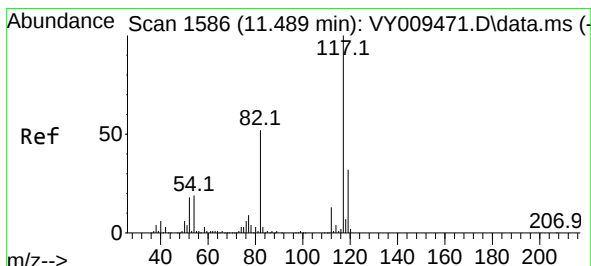
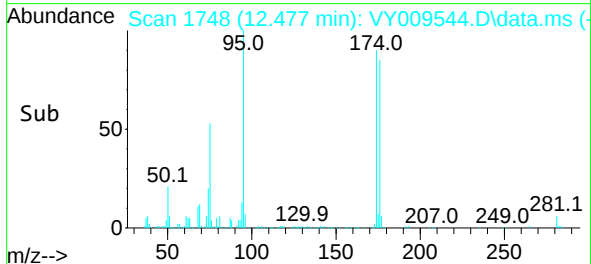
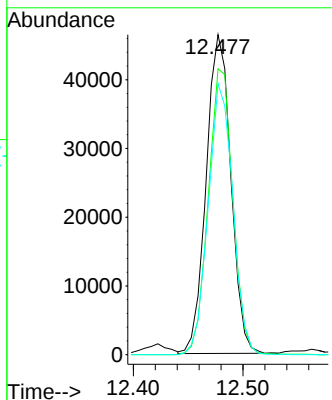
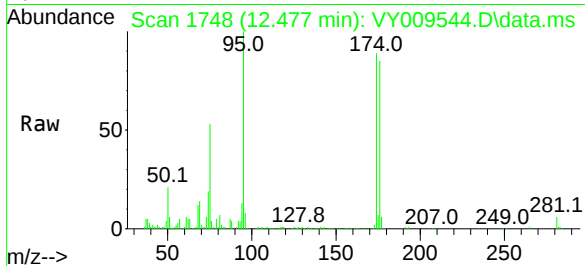




#62
4-Bromofluorobenzene
Concen: 44.929 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009544.D
Acq: 12 Jul 2022 19:44

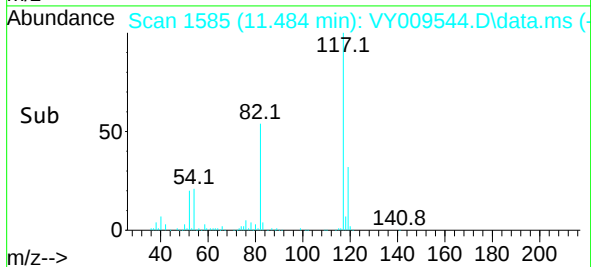
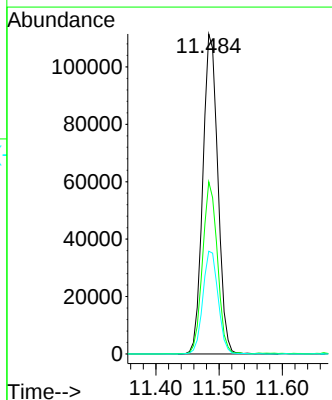
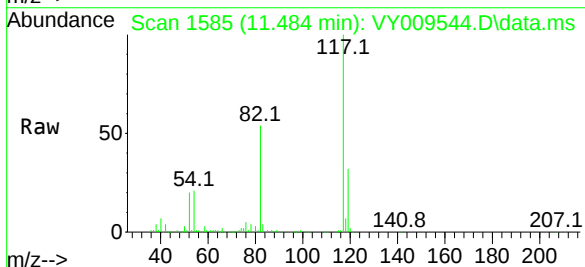
Instrument :
MSVOA_Y
ClientSampleId :
20220498B-SIM/C4B-COMPOSITE

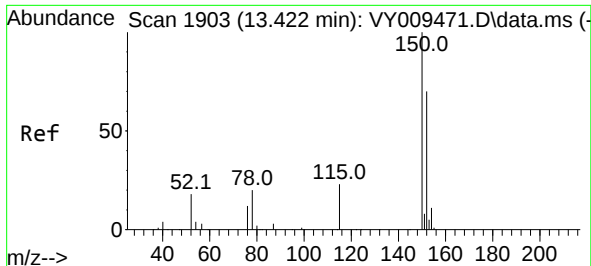
Tgt Ion:	95	Resp:	72477
Ion	Ratio	Lower	Upper
95	100		
174	89.6	0.0	177.0
176	85.1	0.0	175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.484 min Scan# 1585
Delta R.T. -0.005 min
Lab File: VY009544.D
Acq: 12 Jul 2022 19:44

Tgt Ion:	117	Resp:	184679
Ion	Ratio	Lower	Upper
117	100		
82	53.7	43.0	64.4
119	32.1	25.4	38.0

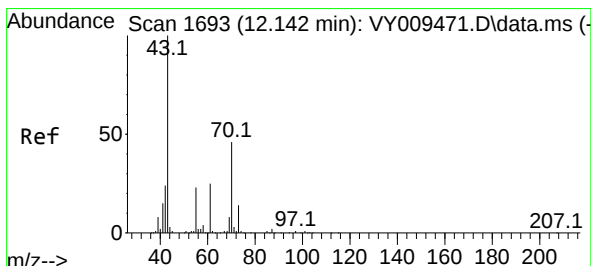
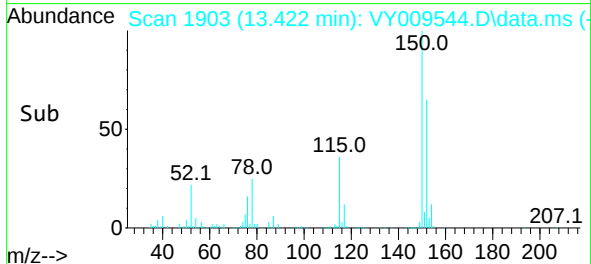
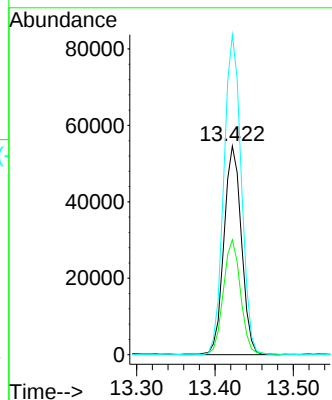
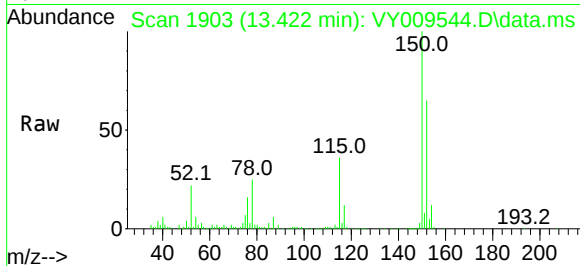




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009544.D
Acq: 12 Jul 2022 19:44

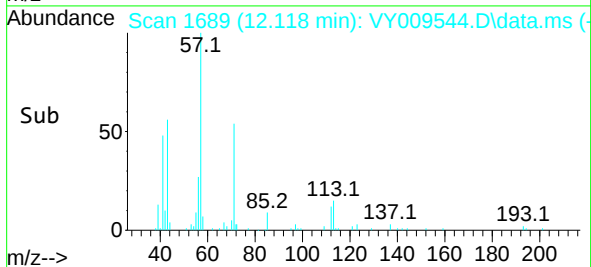
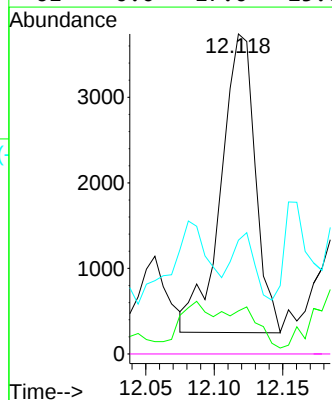
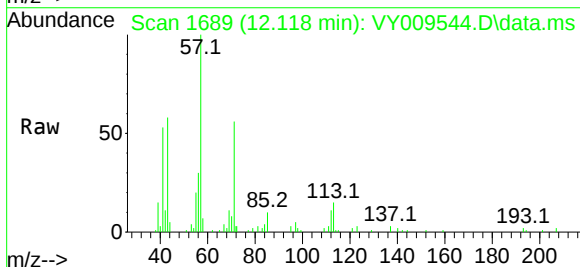
Instrument : MSVOA_Y
ClientSampleId : 20220498B-SIM/C4B-COMPOSITE

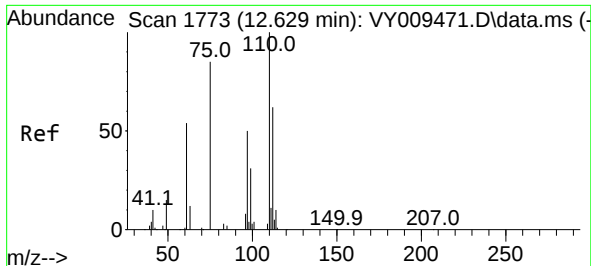
Tgt Ion:152 Resp: 84926
Ion Ratio Lower Upper
152 100
115 54.3 28.2 84.7
150 152.9 0.0 347.6



#74
N-ethyl acetate
Concen: 3.691 ug/l
RT: 12.118 min Scan# 1689
Delta R.T. -0.024 min
Lab File: VY009544.D
Acq: 12 Jul 2022 19:44

Tgt Ion: 43 Resp: 6100
Ion Ratio Lower Upper
43 100
70 0.0 28.7 43.1#
55 23.9 17.3 25.9
61 0.0 17.0 25.6#

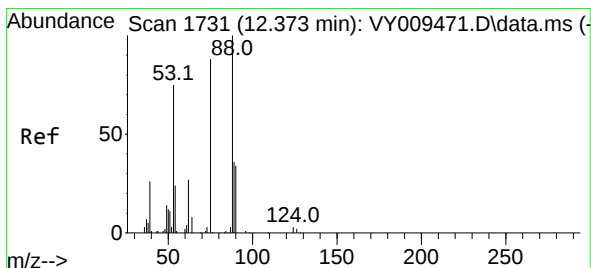
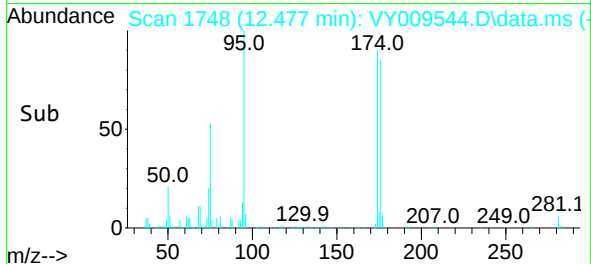
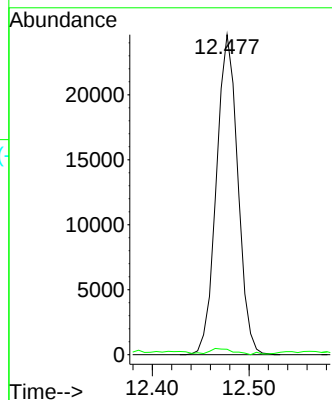
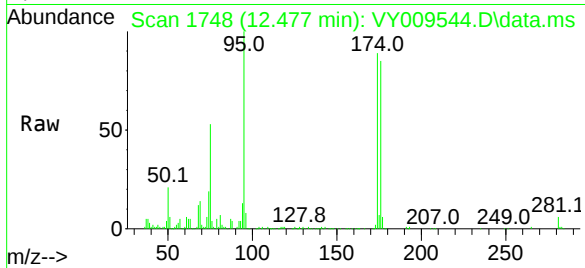




#76
1,2,3-Trichloropropane
Concen: 42.094 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.152 min
Lab File: VY009544.D
Acq: 12 Jul 2022 19:44

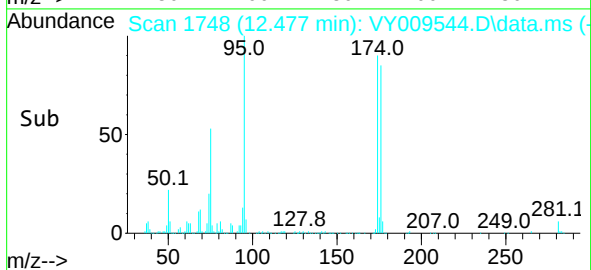
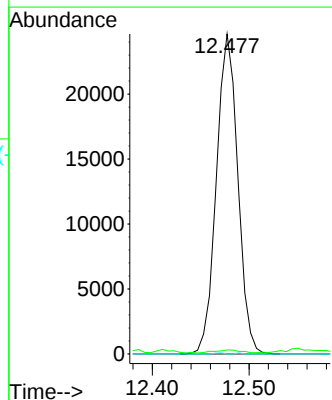
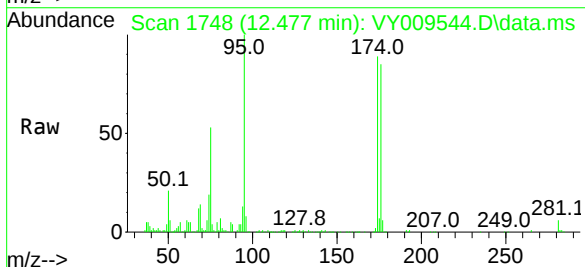
Instrument : MSVOA_Y
ClientSampleId : 20220498B-SIM/C4B-COMPOSITE

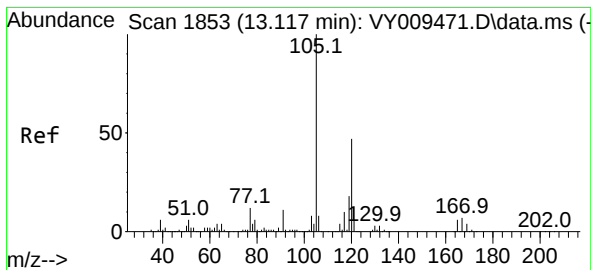
Tgt Ion: 75 Resp: 37843
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.152 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009544.D
Acq: 12 Jul 2022 19:44

Tgt Ion: 75 Resp: 37843
Ion Ratio Lower Upper
75 100
53 1.1 85.3 127.9#
89 0.1 37.0 55.4#





#84

1,2,4-Trimethylbenzene

Concen: 1.006 ug/l

RT: 13.117 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY009544.D

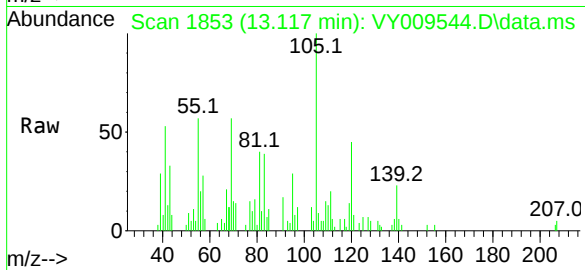
Acq: 12 Jul 2022 19:44

Instrument :

MSVOA_Y

ClientSampleId :

20220498B-SIM/C4B-COMPOSITE



Tgt Ion:105 Resp: 4860

Ion Ratio Lower Upper

105 100

120 45.9 22.3 66.9

