

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071222\
 Data File : VY009541.D
 Acq On : 12 Jul 2022 18:36
 Operator : KP/MD
 Sample : N3662-02
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220495B-SIM/C1B-COMPOSITE

Quant Time: Jul 13 01:16:43 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)

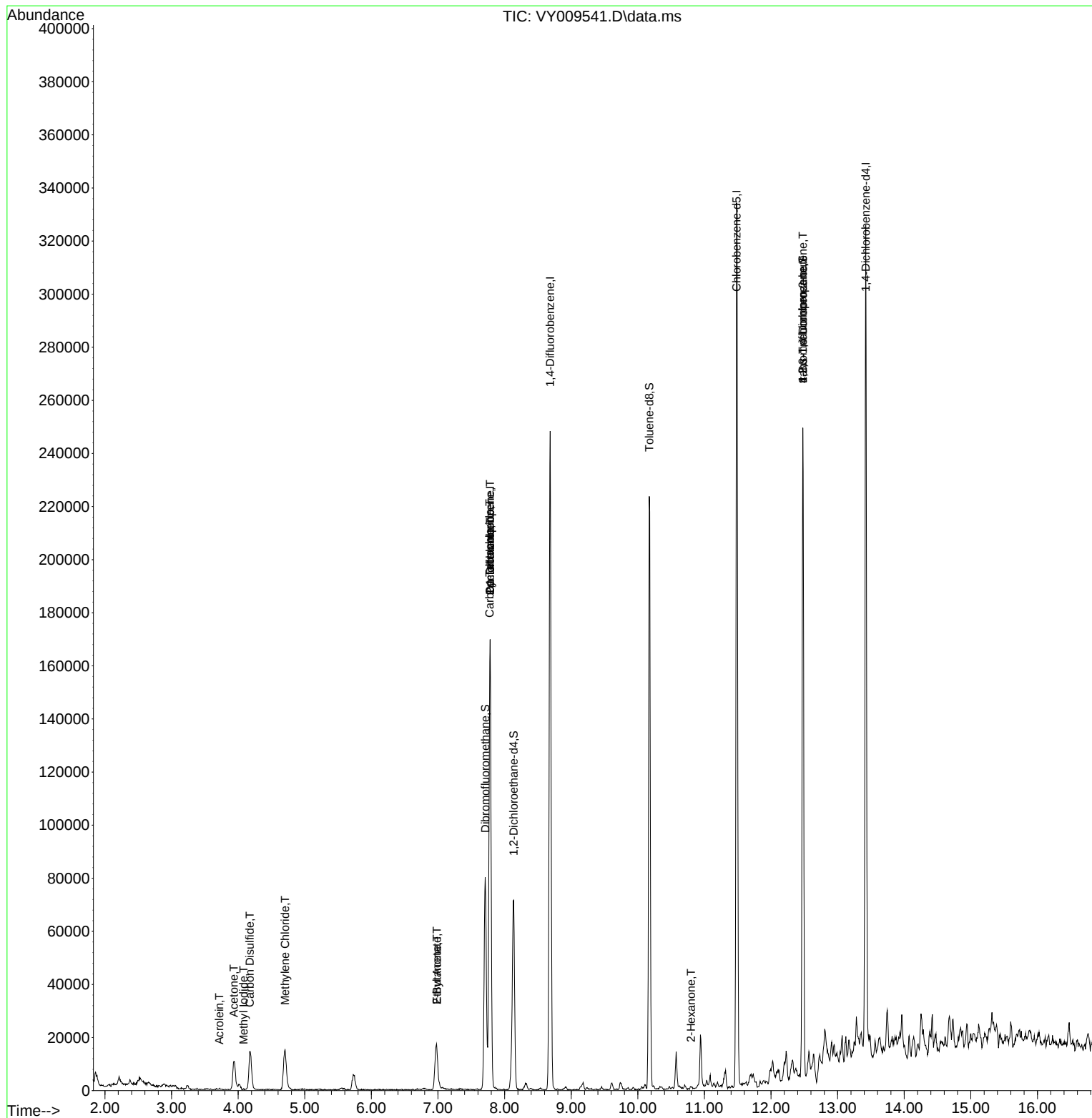
Internal Standards						
1) Pentafluorobenzene	7.783	168	134030	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	210738	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	180491	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	79811	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	51716	55.487	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.980%			
35) Dibromofluoromethane	7.710	113	53938	48.644	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.280%			
50) Toluene-d8	10.173	98	141982	46.062	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery = 92.120%			
62) 4-Bromofluorobenzene	12.477	95	69112	44.155	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery = 88.300%			
Target Compounds						Qvalue
10) Methyl Iodide	4.082	142	90	4.214	ug/l #	21
11) Tert butyl alcohol	4.930	59	135	Below Cal	#	77
13) Acrolein	3.716	56	285	32.600	ug/l #	82
16) Acetone	3.936	43	19901	61.037	ug/l	98
17) Carbon Disulfide	4.174	76	28775	11.620	ug/l	97
20) Methylene Chloride	4.704	84	10802	2.508	ug/l	92
25) 2-Butanone	6.984	43	8166	15.482	ug/l	92
31) Cyclohexane	7.783	56	2906	1.322	ug/l #	23
36) 1,1-Dichloropropene	7.783	75	9564	5.298	ug/l #	50
37) Ethyl Acetate	6.984	43	8166	7.216	ug/l #	83
38) Carbon Tetrachloride	7.777	117	12413	6.429	ug/l #	14
59) 2-Hexanone	10.801	43	817	1.062	ug/l #	28
76) 1,2,3-Trichloropropane	12.477	75	35786	42.357	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	35786	86.690	ug/l #	7

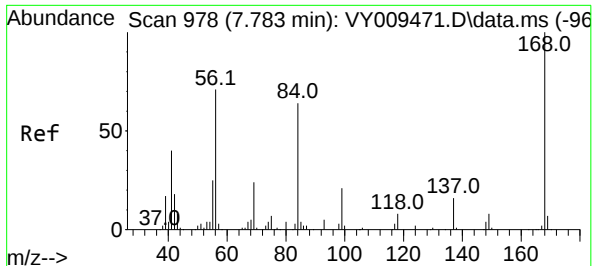
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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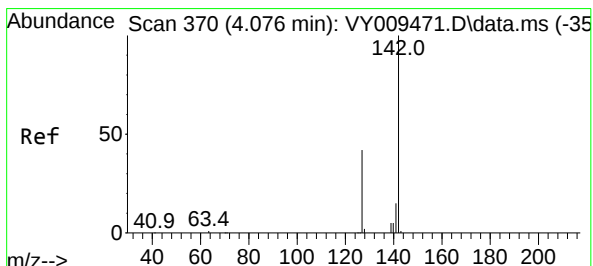
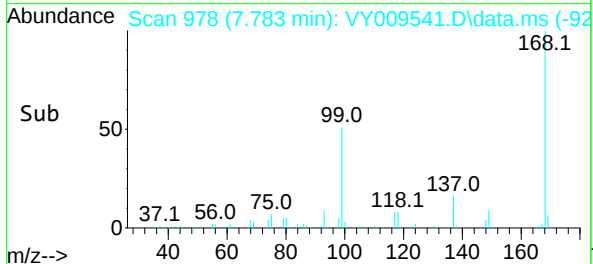
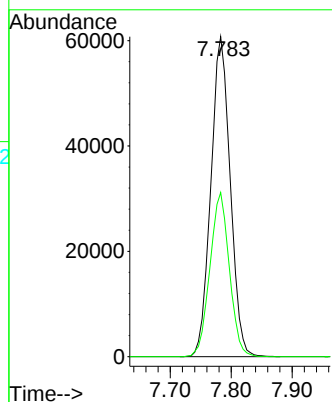
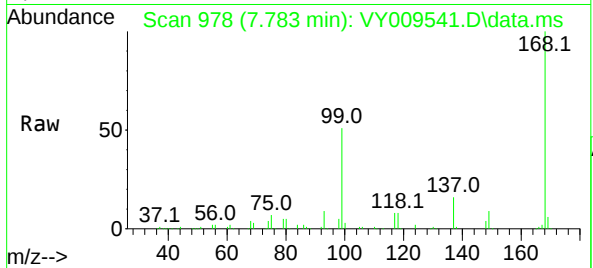




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009541.D
Acq: 12 Jul 2022 18:36

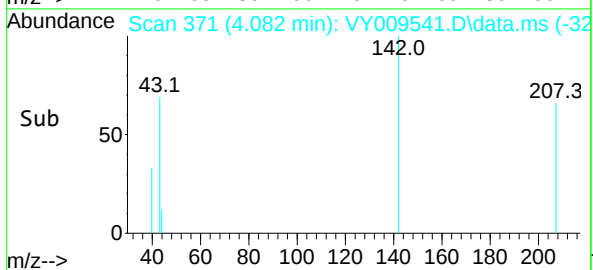
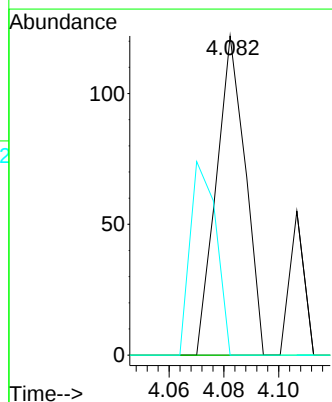
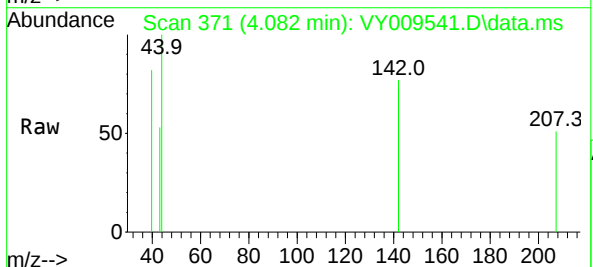
Instrument :
MSVOA_Y
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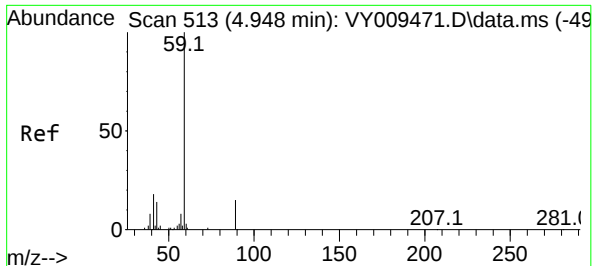
Tgt Ion:168 Resp: 134030
Ion Ratio Lower Upper
168 100
99 51.3 46.9 70.3



#10
Methyl Iodide
Concen: 4.214 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.006 min
Lab File: VY009541.D
Acq: 12 Jul 2022 18:36

Tgt Ion:142 Resp: 90
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 54.4 11.9 17.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.930 min Scan# 51

Delta R.T. -0.018 min

Lab File: VY009541.D

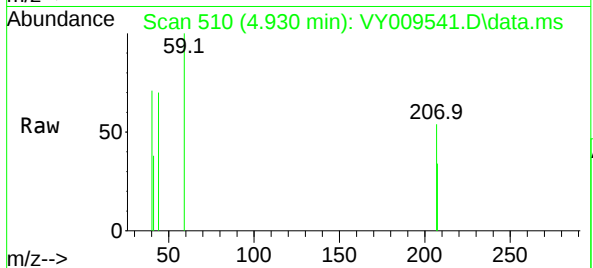
Acq: 12 Jul 2022 18:36

Instrument :

MSVOA_Y

ClientSampleId :

20220495B-SIM/C1B-COMPOSITE

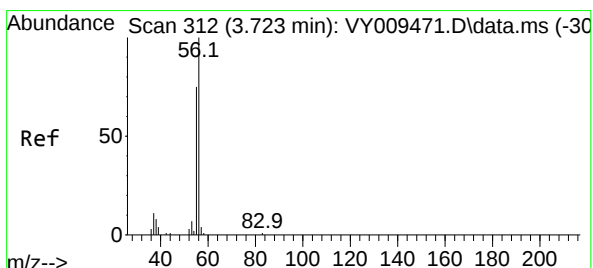
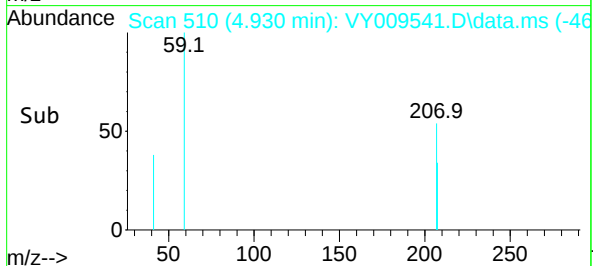
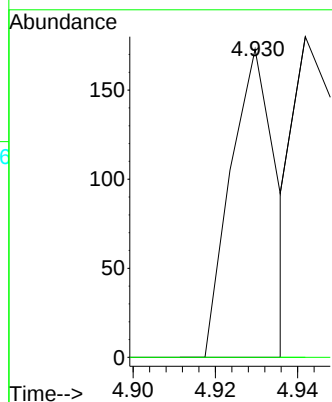


Tgt Ion: 59 Resp: 135

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#13

Acrolein

Concen: 32.600 ug/l

RT: 3.716 min Scan# 311

Delta R.T. -0.007 min

Lab File: VY009541.D

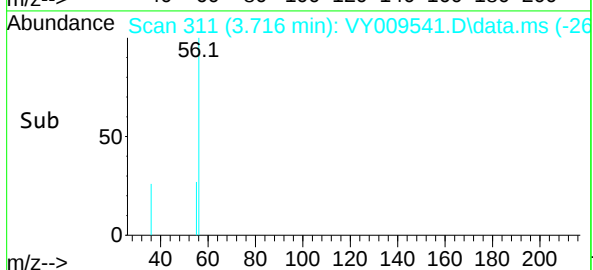
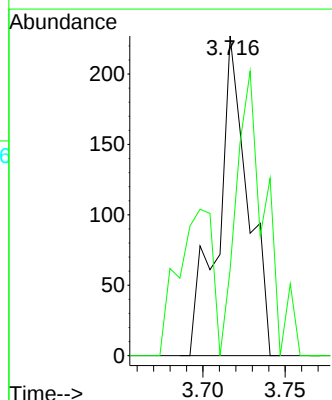
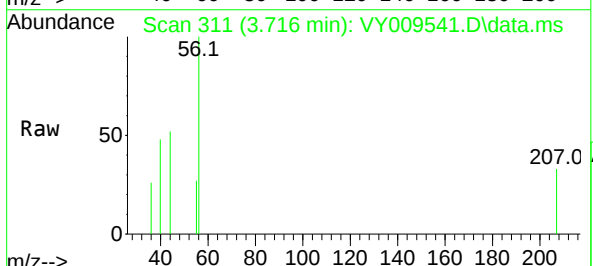
Acq: 12 Jul 2022 18:36

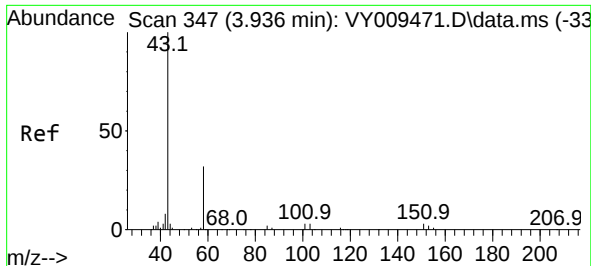
Tgt Ion: 56 Resp: 285

Ion Ratio Lower Upper

56 100

55 86.7 57.6 86.4#

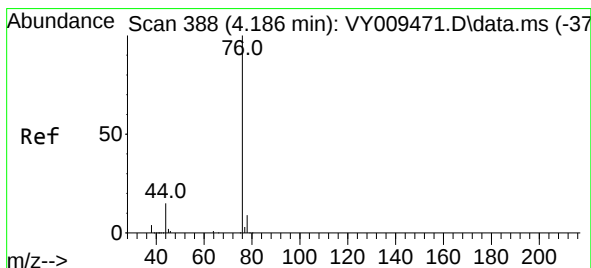
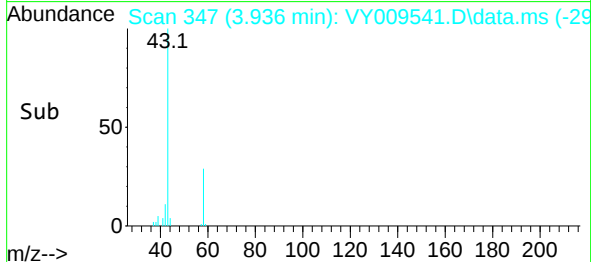
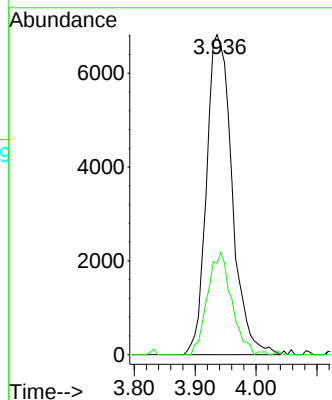
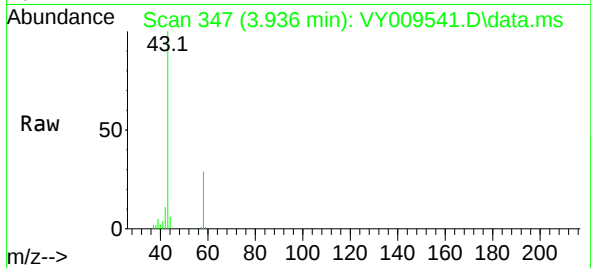




#16
Acetone
Concen: 61.037 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.000 min
Lab File: VY009541.D
Acq: 12 Jul 2022 18:36

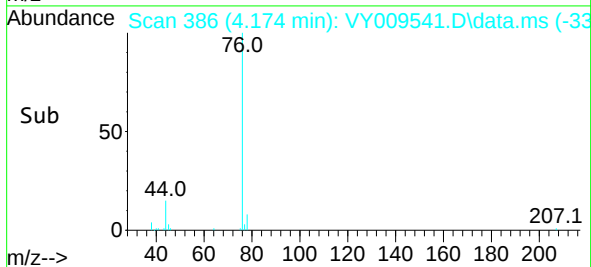
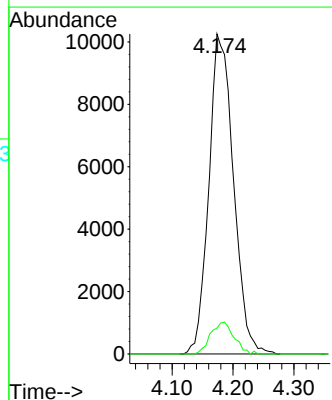
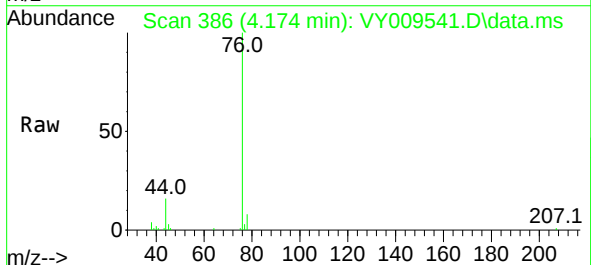
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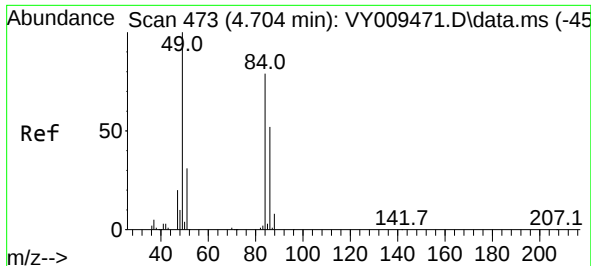
Tgt Ion: 43 Resp: 19901
Ion Ratio Lower Upper
43 100
58 28.6 22.0 33.0



#17
Carbon Disulfide
Concen: 11.620 ug/l
RT: 4.174 min Scan# 386
Delta R.T. -0.012 min
Lab File: VY009541.D
Acq: 12 Jul 2022 18:36

Tgt Ion: 76 Resp: 28775
Ion Ratio Lower Upper
76 100
78 8.1 7.4 11.0

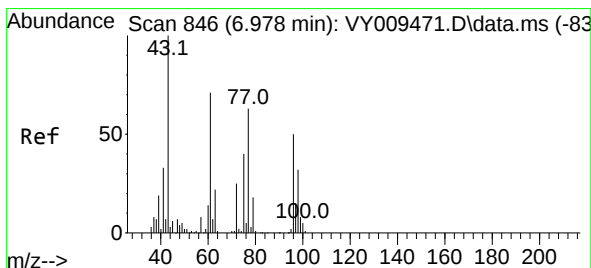
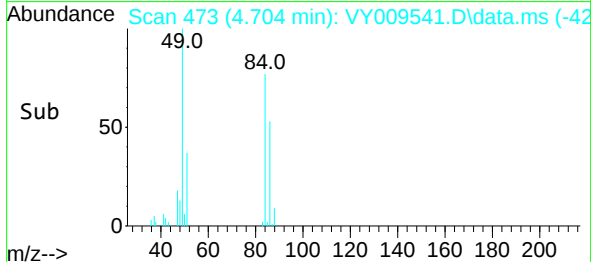
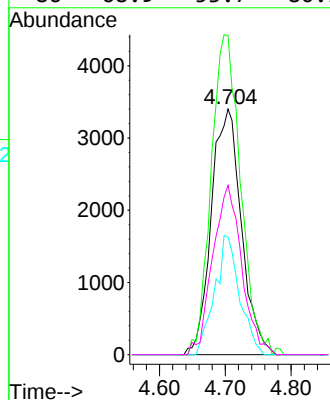
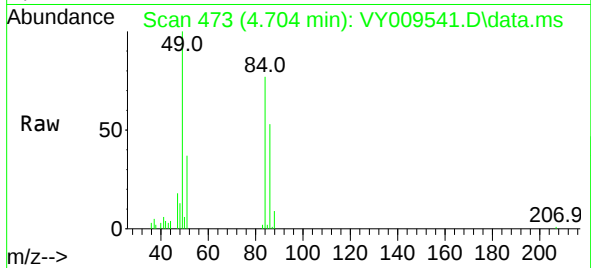




#20
Methylene Chloride
Concen: 2.508 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY009541.D
Acq: 12 Jul 2022 18:36

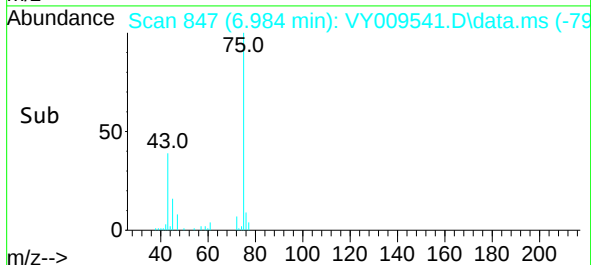
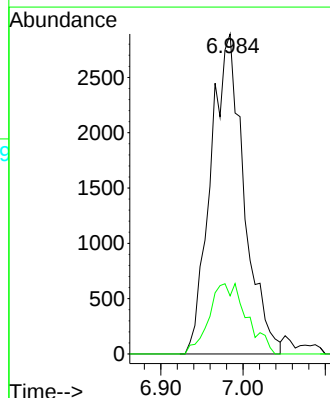
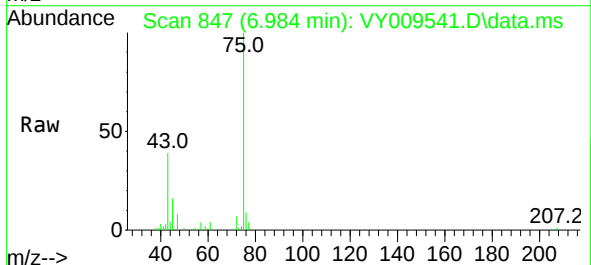
Instrument :
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ClientSampleId :
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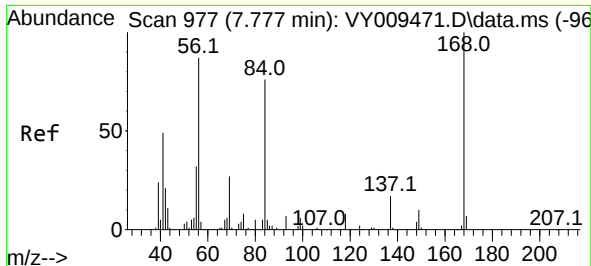
Tgt Ion:	84	Resp:	10802
Ion	Ratio	Lower	Upper
84	100		
49	129.9	114.4	171.6
51	48.0	35.3	52.9
86	68.9	53.7	80.5



#25
2-Butanone
Concen: 15.482 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY009541.D
Acq: 12 Jul 2022 18:36

Tgt Ion:	43	Resp:	8166
Ion	Ratio	Lower	Upper
43	100		
72	18.1	17.7	26.5

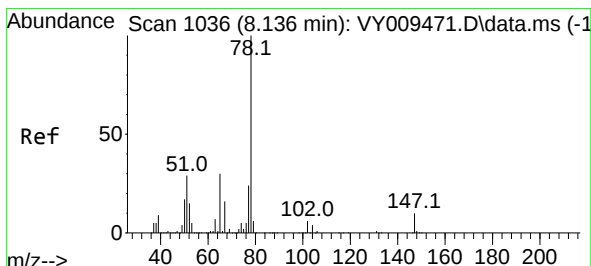
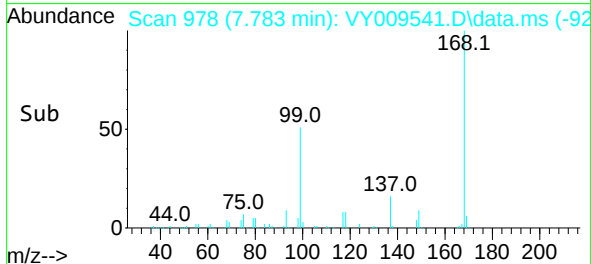
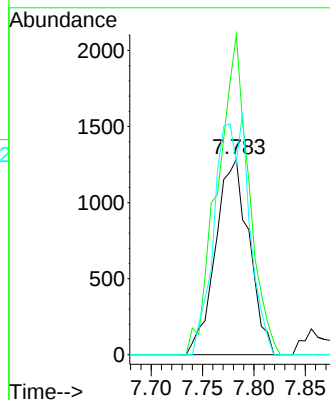
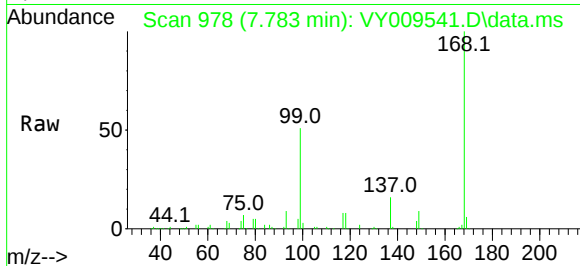




#31
Cyclohexane
Concen: 1.322 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009541.D
Acq: 12 Jul 2022 18:36

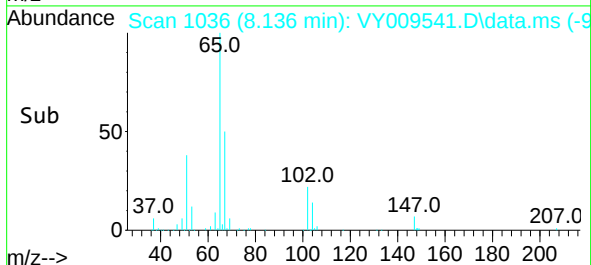
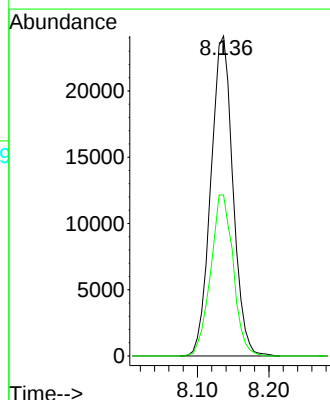
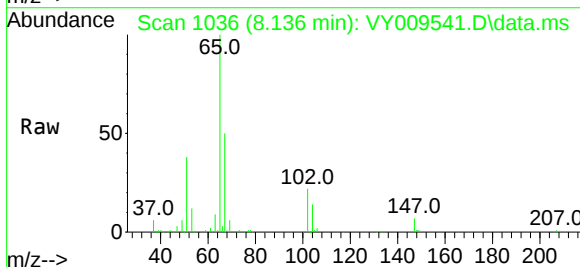
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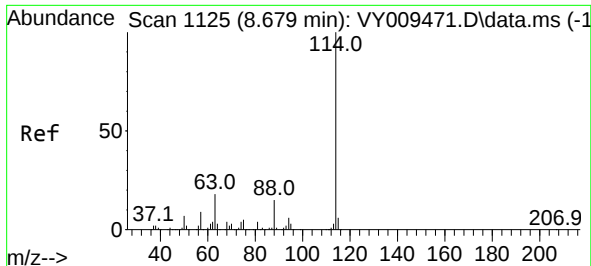
Tgt Ion: 56 Resp: 2906
Ion Ratio Lower Upper
56 100
69 163.7 26.7 40.1#
84 98.6 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 55.487 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY009541.D
Acq: 12 Jul 2022 18:36

Tgt Ion: 65 Resp: 51716
Ion Ratio Lower Upper
65 100
67 51.5 0.0 99.4

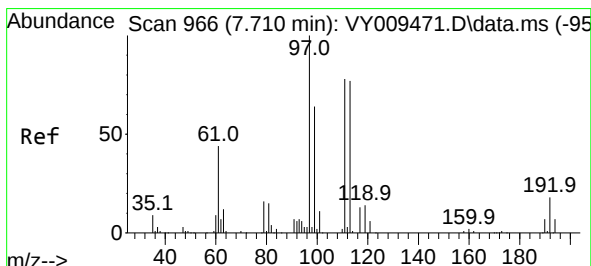
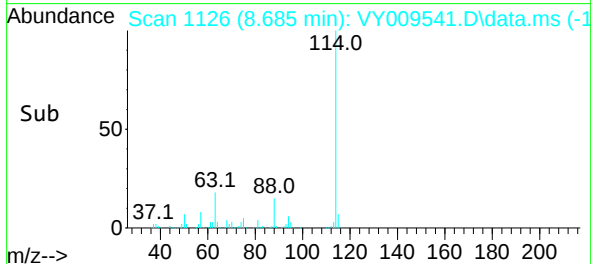
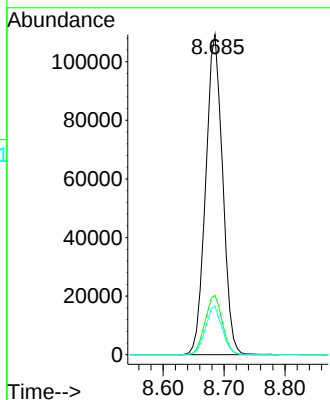
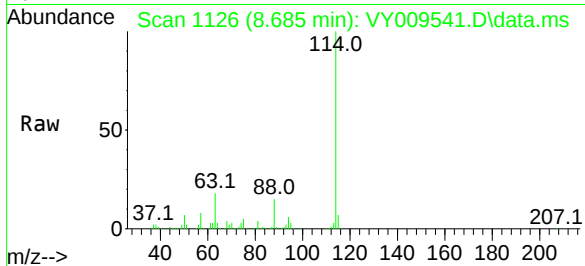




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1125
Delta R.T. 0.006 min
Lab File: VY009541.D
Acq: 12 Jul 2022 18:36

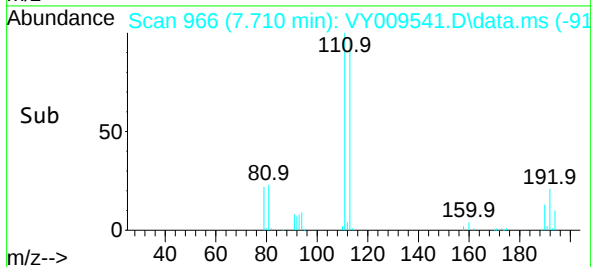
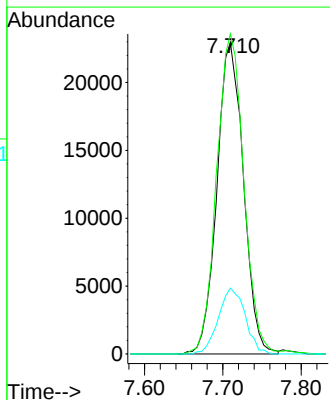
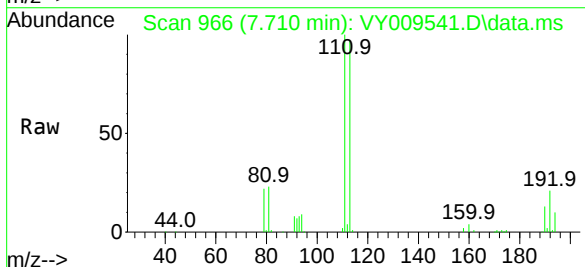
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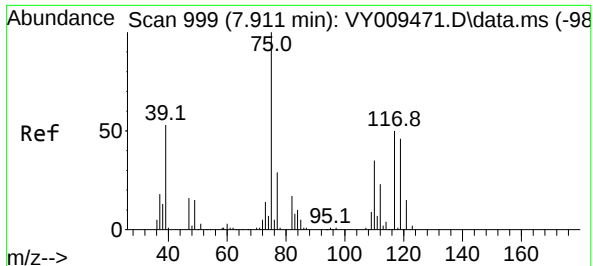
Tgt Ion:114 Resp: 210738
Ion Ratio Lower Upper
114 100
63 18.5 0.0 43.2
88 15.2 0.0 31.8



#35
Dibromofluoromethane
Concen: 48.644 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY009541.D
Acq: 12 Jul 2022 18:36

Tgt Ion:113 Resp: 53938
Ion Ratio Lower Upper
113 100
111 105.6 82.6 124.0
192 21.4 17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.298 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY009541.D

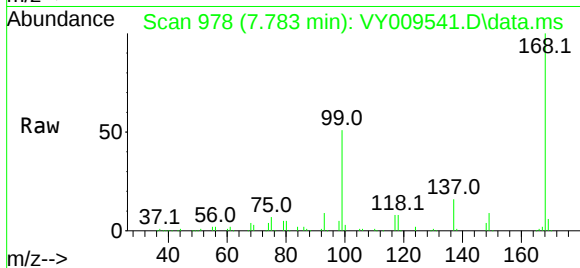
Acq: 12 Jul 2022 18:36

Instrument :

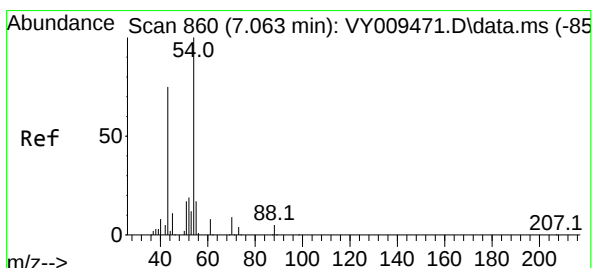
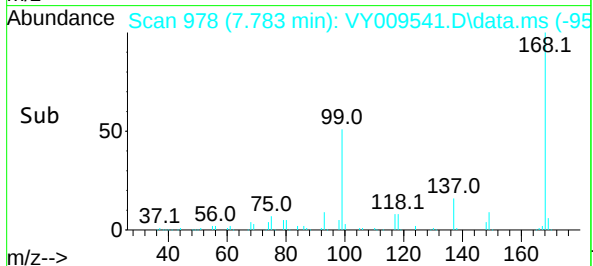
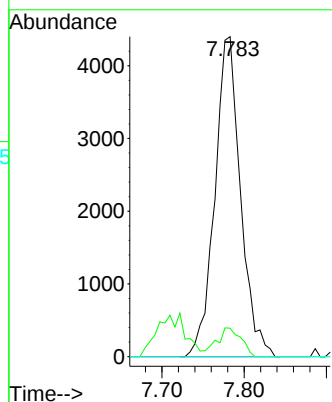
MSVOA_Y

ClientSampleId :

20220495B-SIM/C1B-COMPOSITE



Tgt Ion:	75	Resp:	9564
Ion	Ratio	Lower	Upper
75	100		
110	8.7	17.1	51.2#
77	0.0	24.4	36.6#



#37

Ethyl Acetate

Concen: 7.216 ug/l

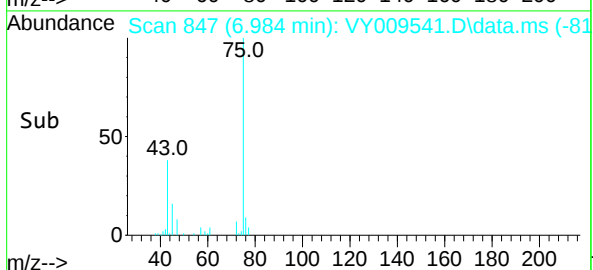
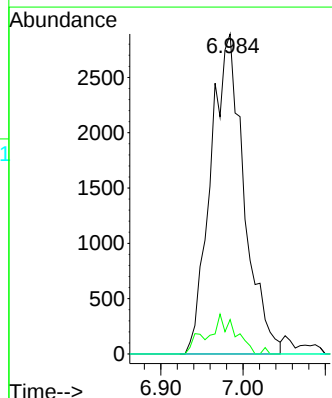
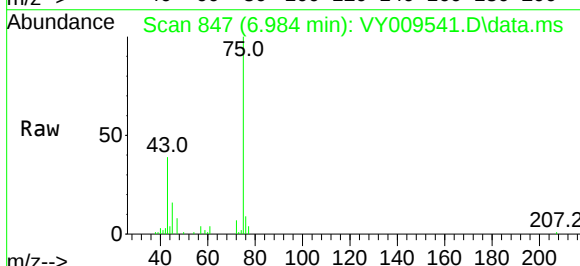
RT: 6.984 min Scan# 847

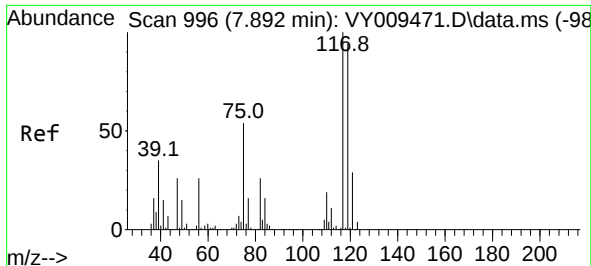
Delta R.T. -0.079 min

Lab File: VY009541.D

Acq: 12 Jul 2022 18:36

Tgt Ion:	43	Resp:	8166
Ion	Ratio	Lower	Upper
43	100		
61	7.8	9.7	14.5#
70	0.0	7.1	10.7#

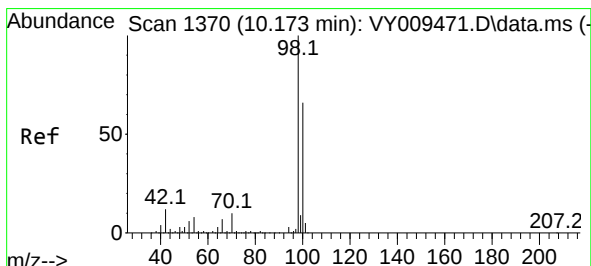
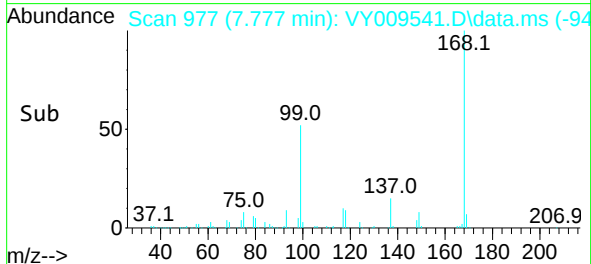
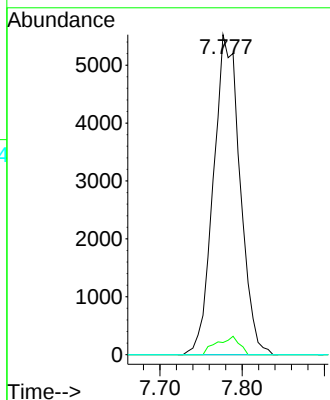
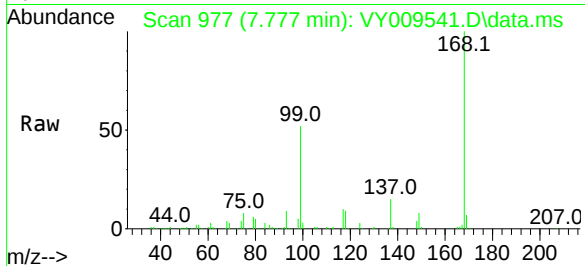




#38
Carbon Tetrachloride
Concen: 6.429 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY009541.D
Acq: 12 Jul 2022 18:36

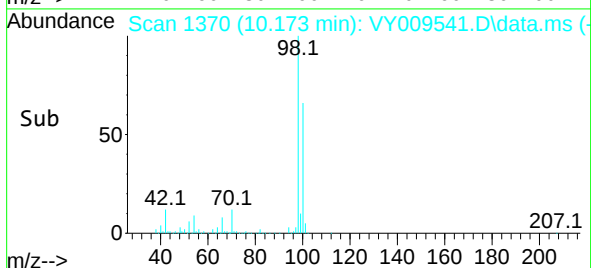
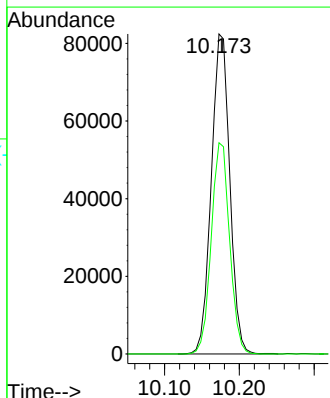
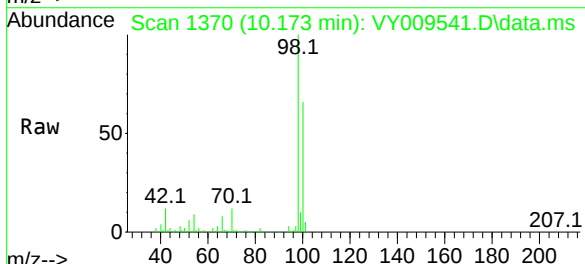
Instrument :
MSVOA_Y
ClientSampleId :
20220495B-SIM/C1B-COMPOSITE

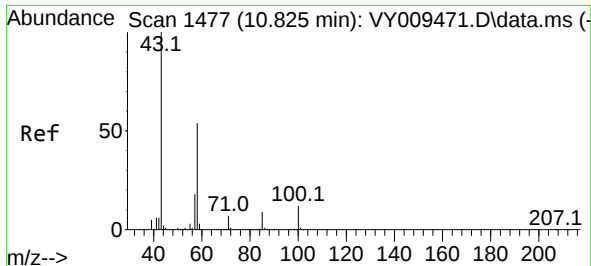
Tgt Ion:117 Resp: 12413
Ion Ratio Lower Upper
117 100
119 3.8 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 46.062 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY009541.D
Acq: 12 Jul 2022 18:36

Tgt Ion: 98 Resp: 141982
Ion Ratio Lower Upper
98 100
100 65.4 50.2 75.2

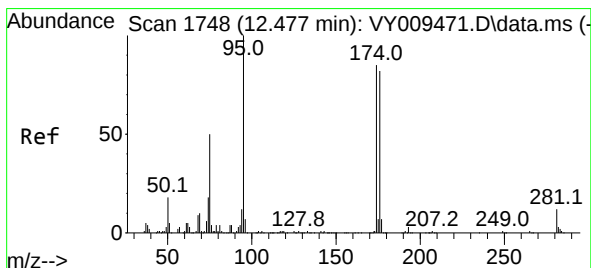
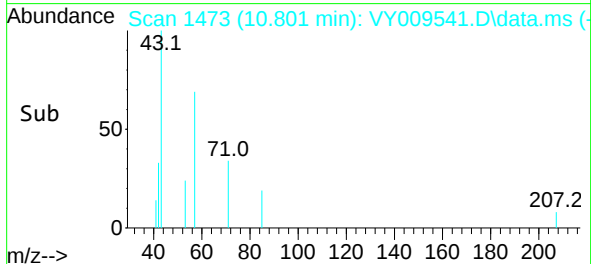
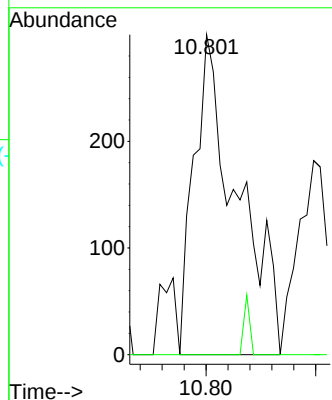
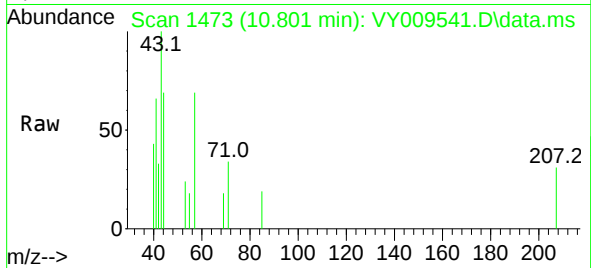




#59
2-Hexanone
Concen: 1.062 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.024 min
Lab File: VY009541.D
Acq: 12 Jul 2022 18:36

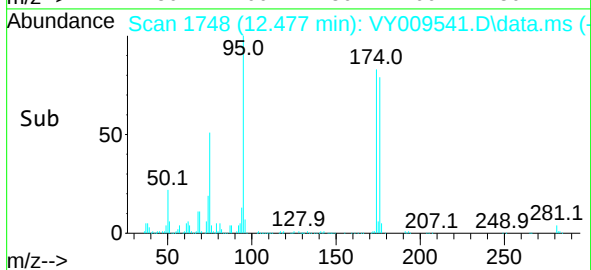
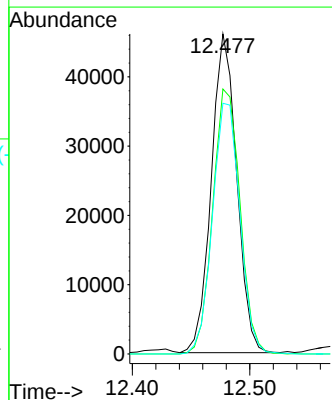
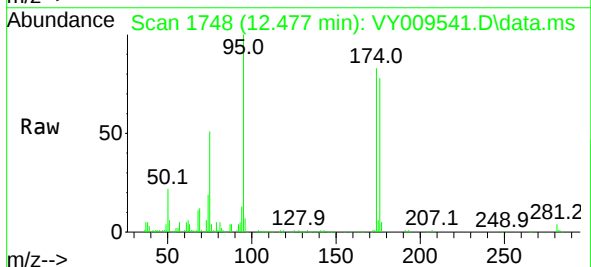
Instrument : MSVOA_Y
ClientSampleId : 20220495B-SIM/C1B-COMPOSITE

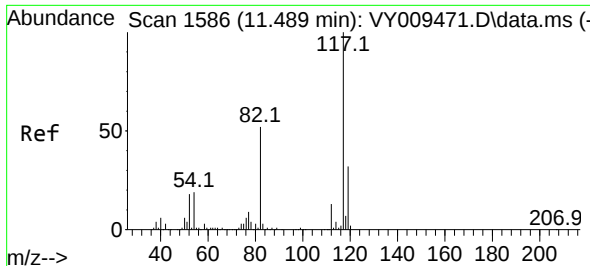
Tgt Ion: 43 Resp: 817
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#



#62
4-Bromofluorobenzene
Concen: 44.155 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009541.D
Acq: 12 Jul 2022 18:36

Tgt Ion: 95 Resp: 69112
Ion Ratio Lower Upper
95 100
174 89.1 0.0 177.0
176 85.0 0.0 175.8

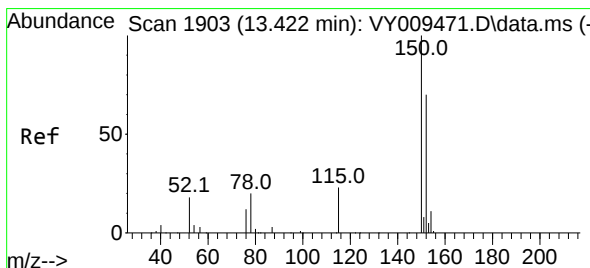
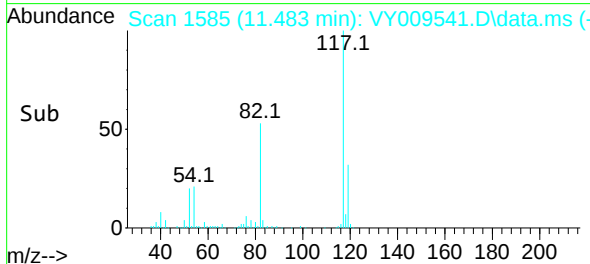
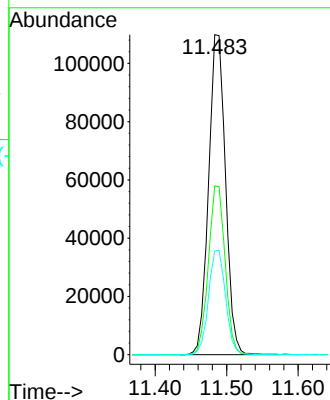
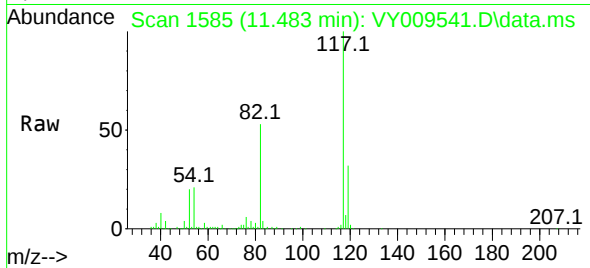




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY009541.D
Acq: 12 Jul 2022 18:36

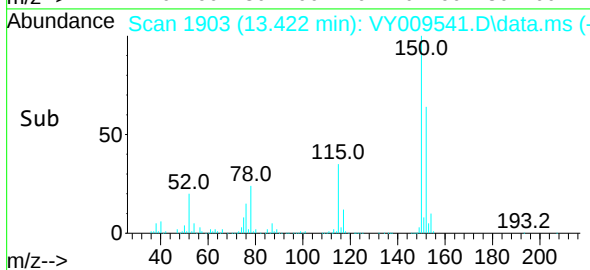
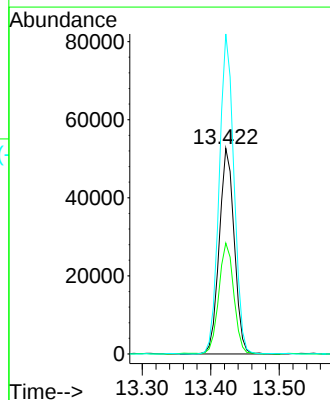
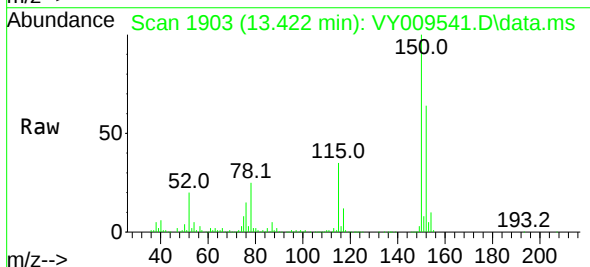
Instrument :
MSVOA_Y
ClientSampleId :
20220495B-SIM/C1B-COMPOSITE

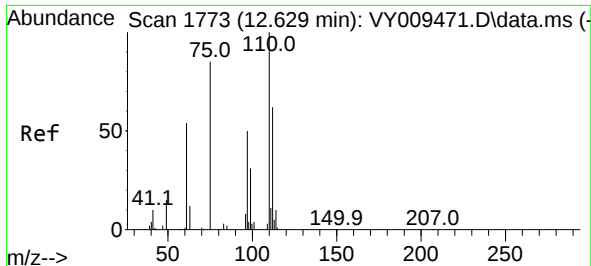
Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.7	43.0	64.4
119	32.3	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009541.D
Acq: 12 Jul 2022 18:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.9	28.2	84.7
150	153.0	0.0	347.6

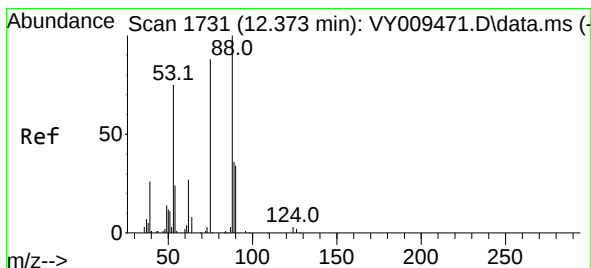
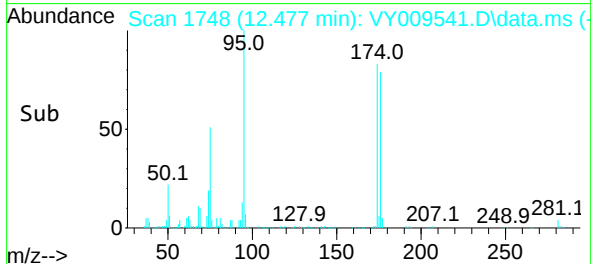
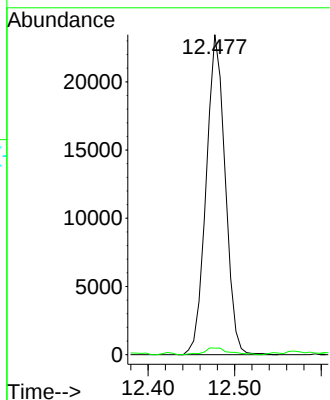
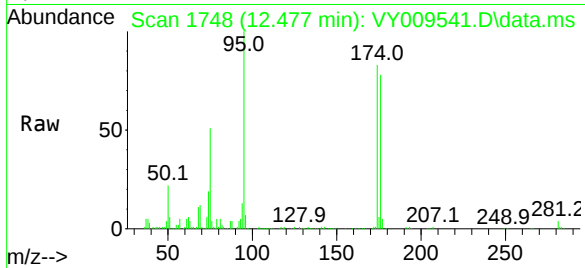




#76
1,2,3-Trichloropropane
Concen: 42.357 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY009541.D
Acq: 12 Jul 2022 18:36

Instrument :
MSVOA_Y
ClientSampleId :
20220495B-SIM/C1B-COMPOSITE

Tgt Ion: 75 Resp: 35786
Ion Ratio Lower Upper
75 100
77 2.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.690 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009541.D
Acq: 12 Jul 2022 18:36

Tgt Ion: 75 Resp: 35786
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.2 37.0 55.4#

