

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071322\
 Data File : VY009552.D
 Acq On : 13 Jul 2022 12:11
 Operator : KP/MD
 Sample : N3597-01RE
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220506-COMPOSITE-A

Quant Time: Jul 14 02:43:40 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)

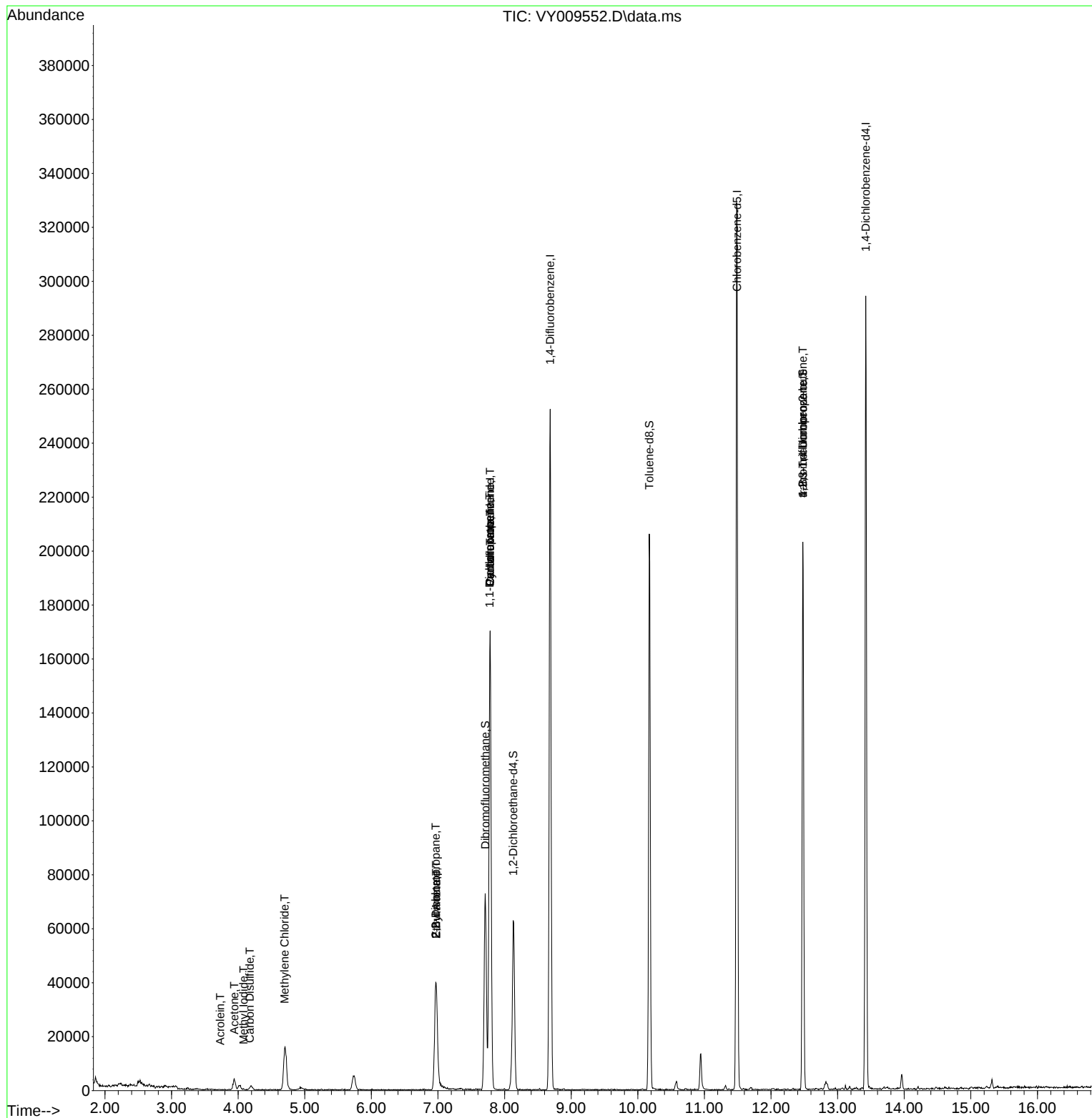
Internal Standards						
1) Pentafluorobenzene	7.783	168	137134	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	211645	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	177199	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	73034	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	46424	47.769	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.540%
35) Dibromofluoromethane	7.710	113	50736	45.560	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.120%
50) Toluene-d8	10.173	98	129663	41.006	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	82.020%
62) 4-Bromofluorobenzene	12.477	95	57362	36.491	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	72.980%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.082	142	288	4.324	ug/l #	42
11) Tert butyl alcohol	4.954	59	1549	Below Cal	#	77
13) Acrolein	3.729	56	26	30.448	ug/l #	71
16) Acetone	3.942	43	6775	20.309	ug/l	97
17) Carbon Disulfide	4.174	76	885	4.638	ug/l #	75
20) Methylene Chloride	4.698	84	11848	3.064	ug/l #	88
23) Vinyl Acetate	6.082	43	19	Below Cal	#	75
25) 2-Butanone	6.972	43	3383	6.269	ug/l #	87
26) 2,2-Dichloropropane	6.966	77	3430	1.504	ug/l #	55
31) Cyclohexane	7.783	56	2887	1.283	ug/l #	5
36) 1,1-Dichloropropene	7.777	75	10060	5.549	ug/l #	52
37) Ethyl Acetate	6.972	43	3383	2.977	ug/l #	14
38) Carbon Tetrachloride	7.783	117	13369	6.895	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	31190	40.343	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	31190	82.567	ug/l #	7

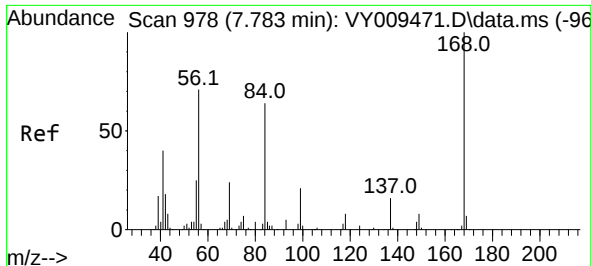
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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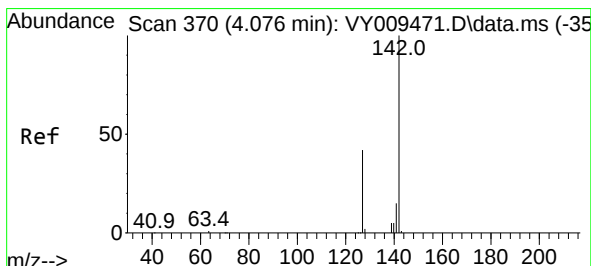
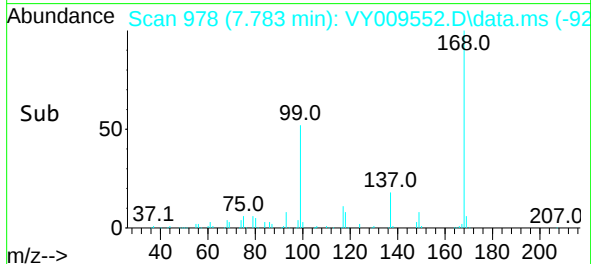
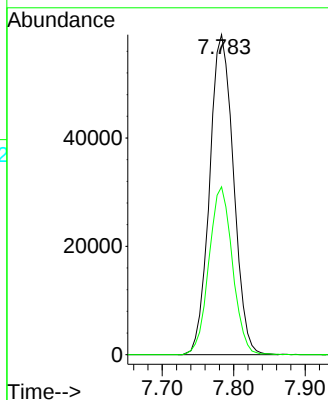
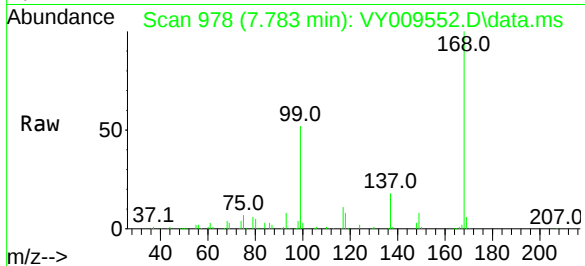




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009552.D
Acq: 13 Jul 2022 12:11

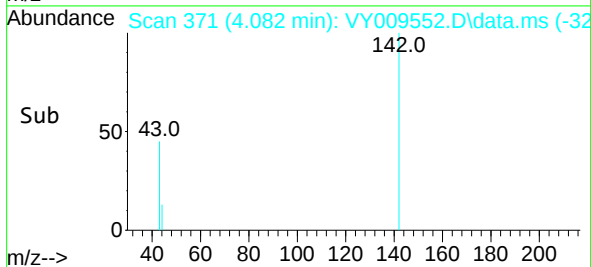
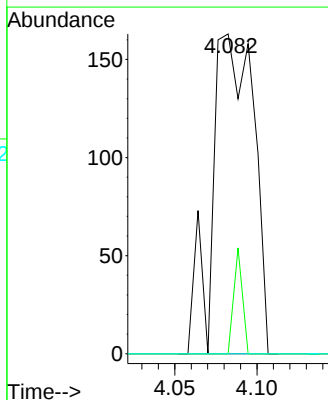
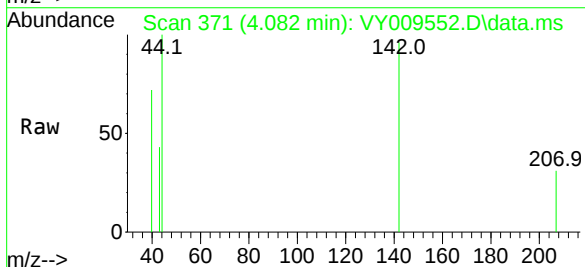
Instrument :
MSVOA_Y
ClientSampleId :
20220506-COMPOSITE-A

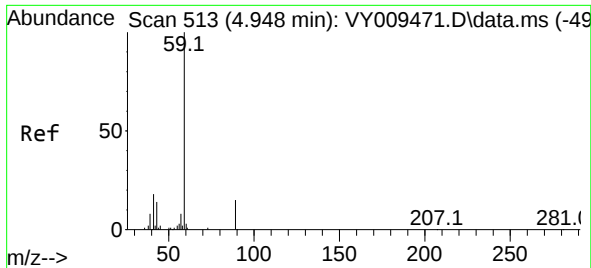
Tgt Ion:168 Resp: 137134
Ion Ratio Lower Upper
168 100
99 52.5 46.9 70.3



#10
Methyl Iodide
Concen: 4.324 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.006 min
Lab File: VY009552.D
Acq: 13 Jul 2022 12:11

Tgt Ion:142 Resp: 288
Ion Ratio Lower Upper
142 100
127 6.9 41.5 62.3#
141 0.0 11.9 17.9#

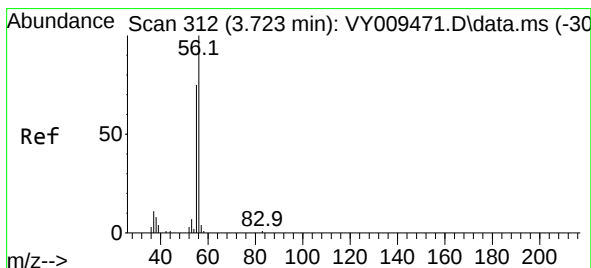
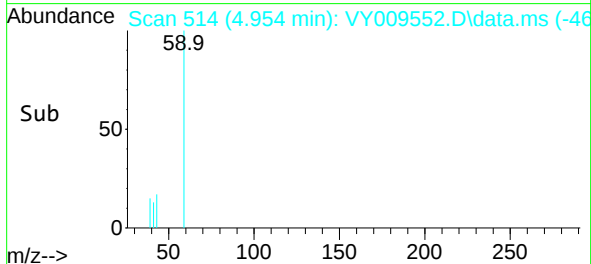
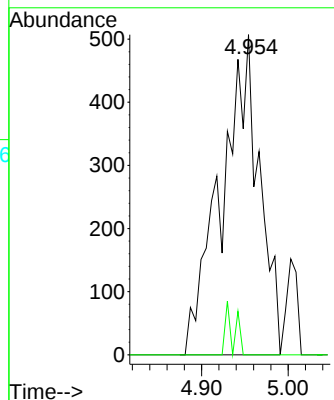
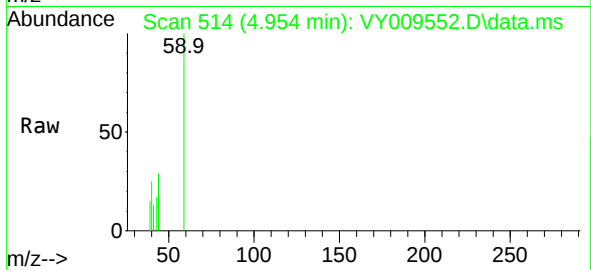




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY009552.D
Acq: 13 Jul 2022 12:11

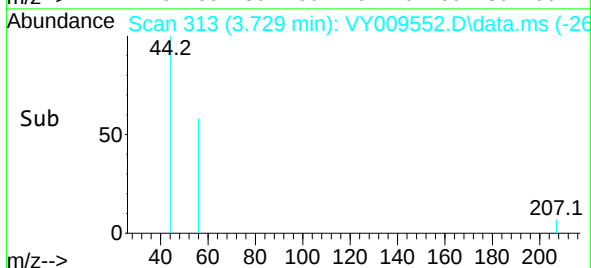
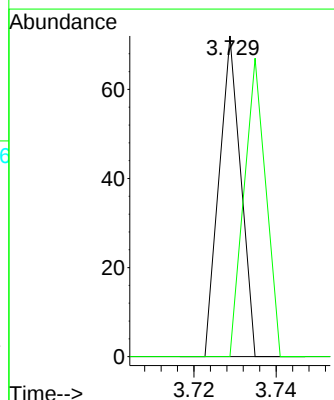
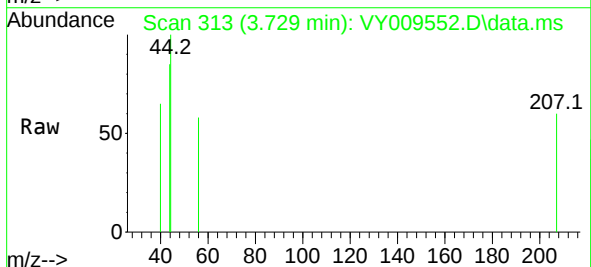
Instrument :
MSVOA_Y
ClientSampleId :
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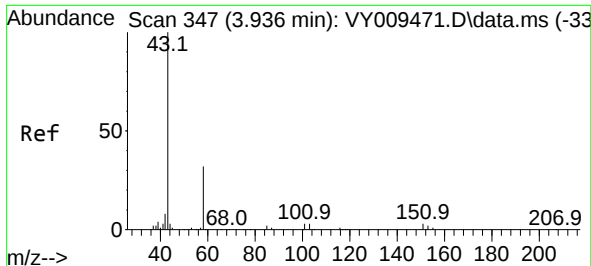
Tgt Ion: 59 Resp: 1549
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#13
Acrolein
Concen: 30.448 ug/l
RT: 3.729 min Scan# 313
Delta R.T. 0.006 min
Lab File: VY009552.D
Acq: 13 Jul 2022 12:11

Tgt Ion: 56 Resp: 26
Ion Ratio Lower Upper
56 100
55 96.2 57.6 86.4#

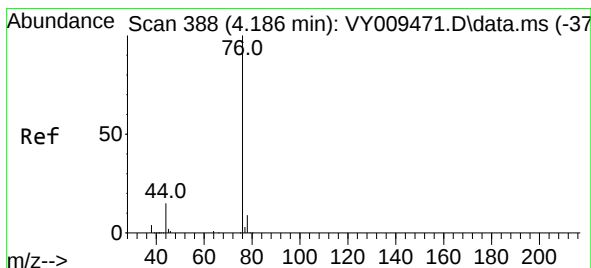
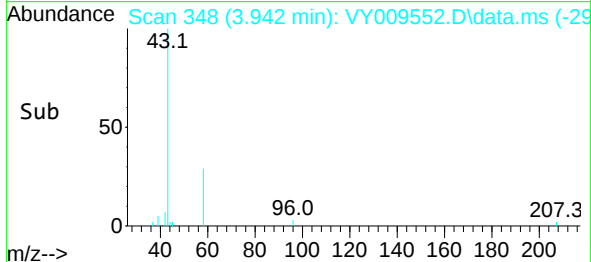
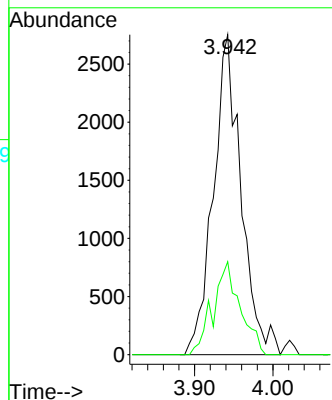
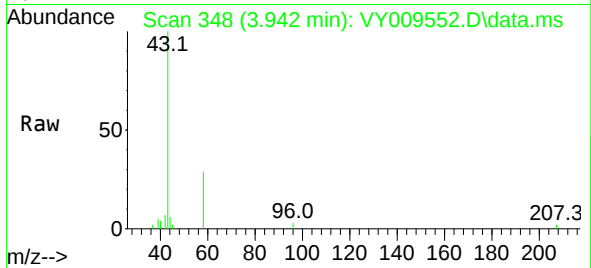




#16
Acetone
Concen: 20.309 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY009552.D
Acq: 13 Jul 2022 12:11

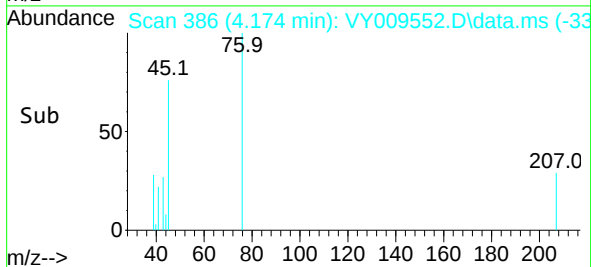
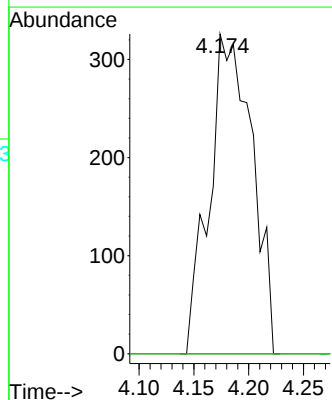
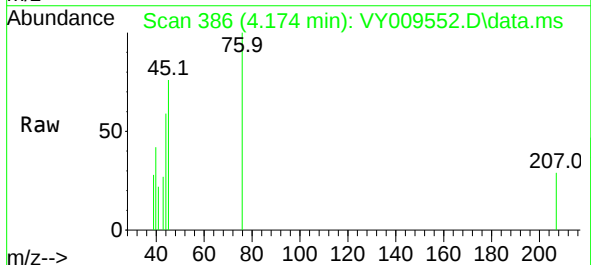
Instrument :
MSVOA_Y
ClientSampleId :
20220506-COMPOSITE-A

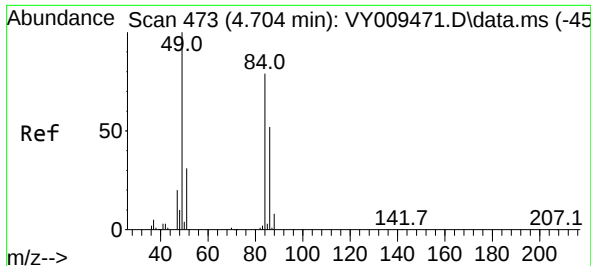
Tgt Ion: 43 Resp: 6775
Ion Ratio Lower Upper
43 100
58 29.0 22.0 33.0



#17
Carbon Disulfide
Concen: 4.638 ug/l
RT: 4.174 min Scan# 386
Delta R.T. -0.012 min
Lab File: VY009552.D
Acq: 13 Jul 2022 12:11

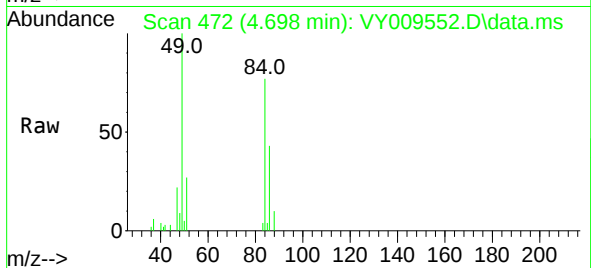
Tgt Ion: 76 Resp: 885
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#





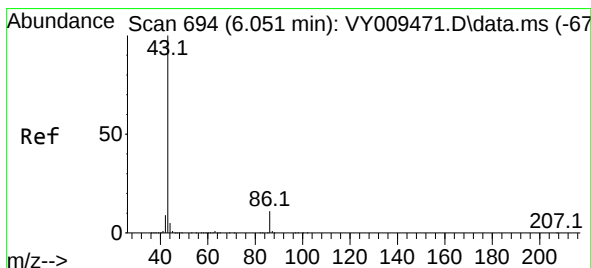
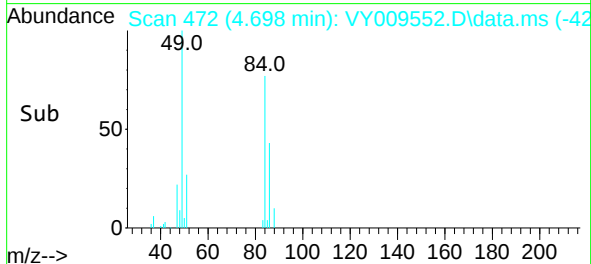
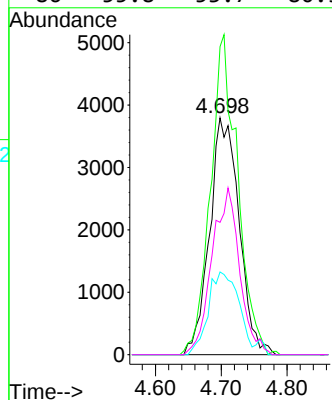
#20
Methylene Chloride
Concen: 3.064 ug/l
RT: 4.698 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY009552.D
Acq: 13 Jul 2022 12:11

Instrument :
MSVOA_Y
ClientSampleId :
20220506-COMPOSITE-A



Tgt Ion: 84 Resp: 11848

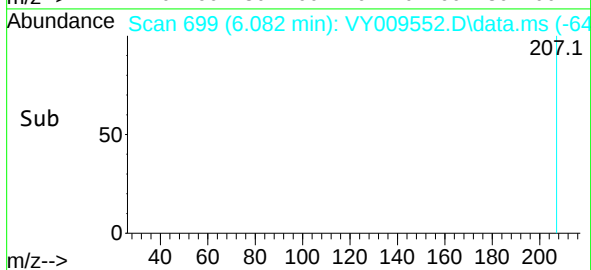
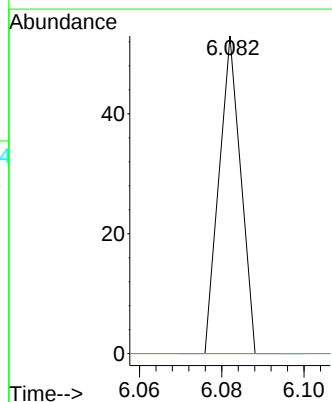
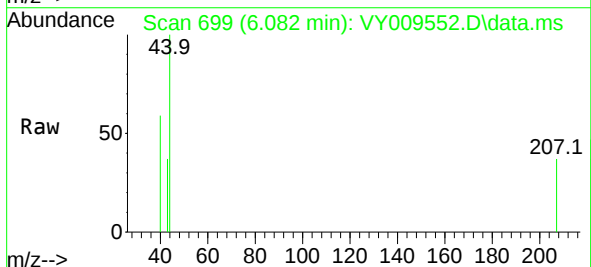
Ion	Ratio	Lower	Upper
84	100		
49	130.1	114.4	171.6
51	35.0	35.3	52.9#
86	55.8	53.7	80.5

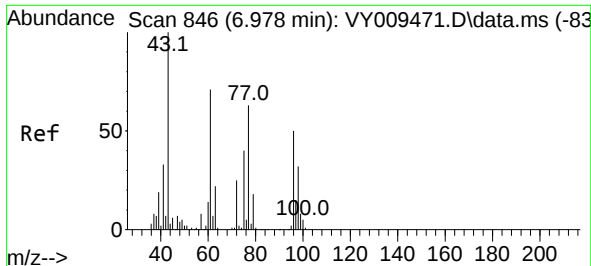


#23
Vinyl Acetate
Concen: Below Cal
RT: 6.082 min Scan# 699
Delta R.T. 0.031 min
Lab File: VY009552.D
Acq: 13 Jul 2022 12:11

Tgt Ion: 43 Resp: 19

Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.1	10.7#

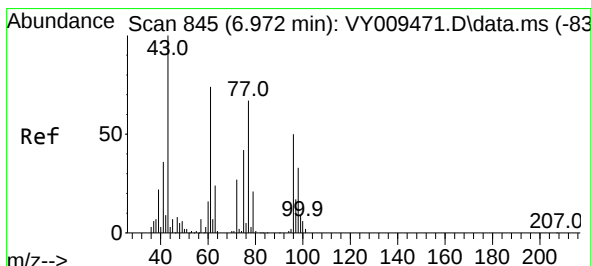
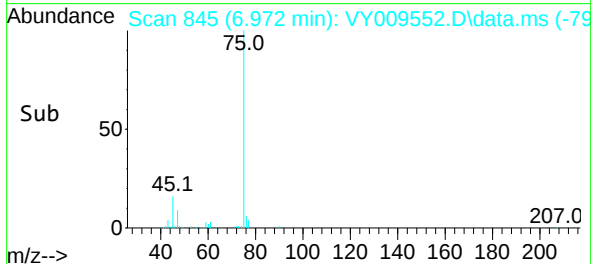
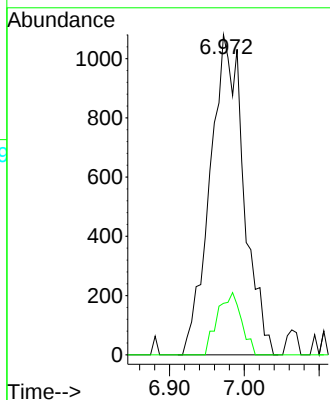
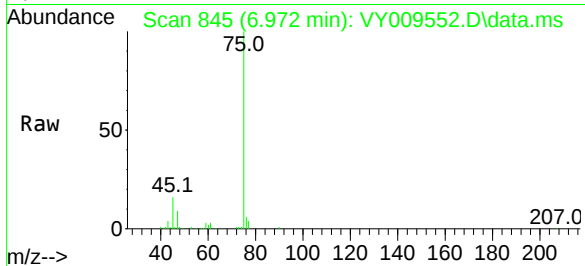




#25
2-Butanone
Concen: 6.269 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY009552.D
Acq: 13 Jul 2022 12:11

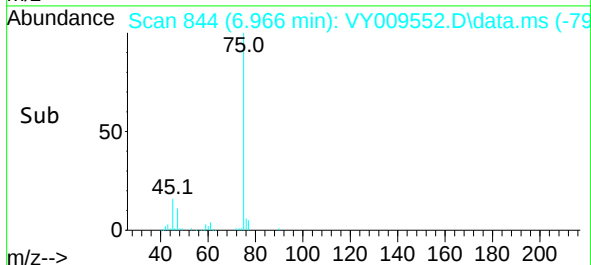
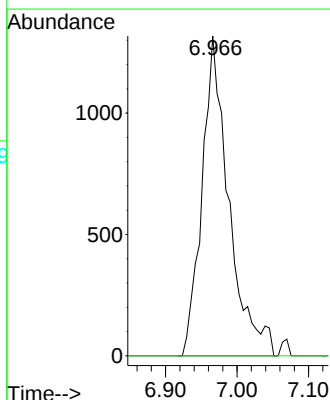
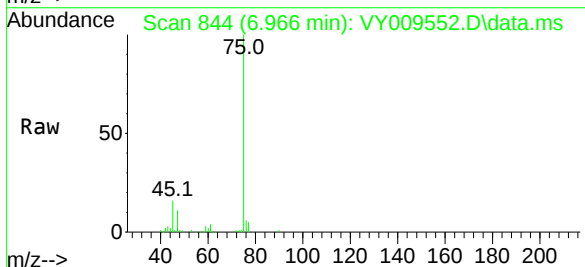
Instrument :
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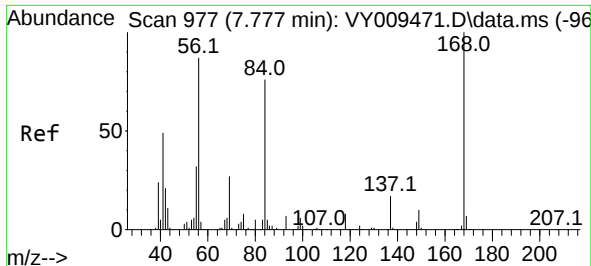
Tgt Ion: 43 Resp: 3383
Ion Ratio Lower Upper
43 100
72 16.1 17.7 26.5#



#26
2,2-Dichloropropane
Concen: 1.504 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.006 min
Lab File: VY009552.D
Acq: 13 Jul 2022 12:11

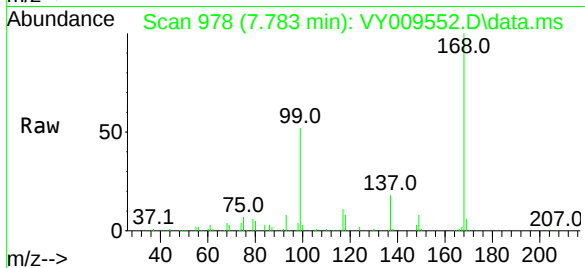
Tgt Ion: 77 Resp: 3430
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#



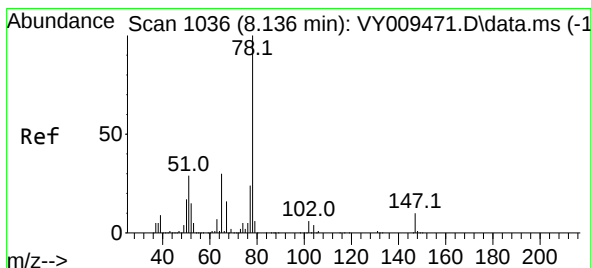
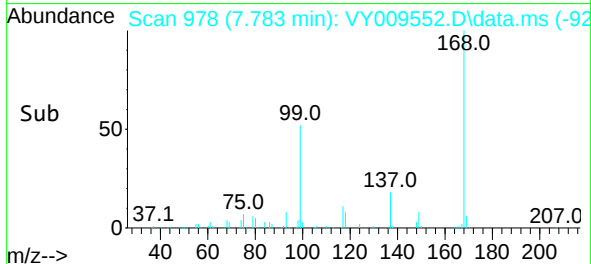
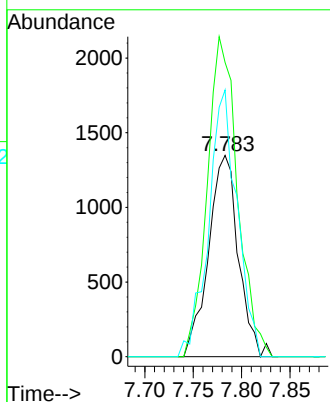


#31
Cyclohexane
Concen: 1.283 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009552.D
Acq: 13 Jul 2022 12:11

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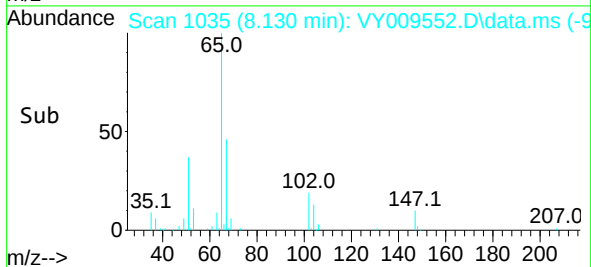
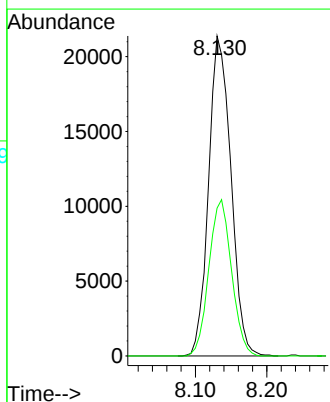
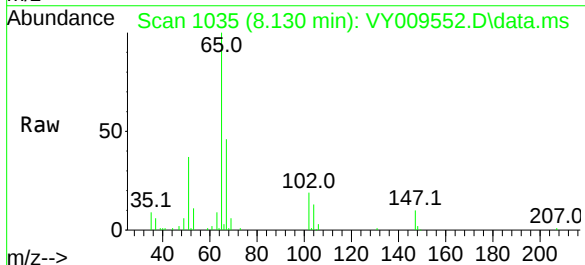


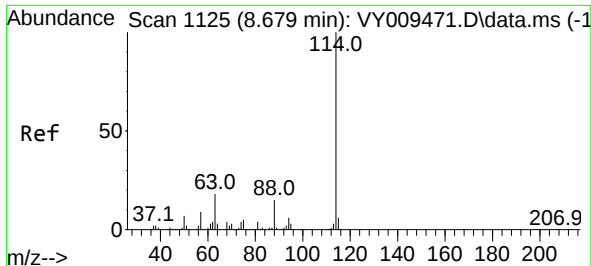
Tgt Ion: 56 Resp: 2887
Ion Ratio Lower Upper
56 100
69 146.2 26.7 40.1#
84 132.5 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 47.769 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VY009552.D
Acq: 13 Jul 2022 12:11

Tgt Ion: 65 Resp: 46424
Ion Ratio Lower Upper
65 100
67 49.5 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: VY009552.D

Acq: 13 Jul 2022 12:11

Instrument :

MSVOA_Y

ClientSampleId :

20220506-COMPOSITE-A

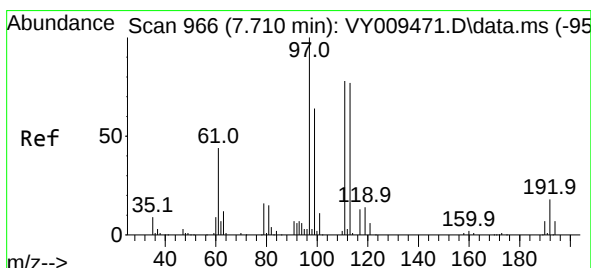
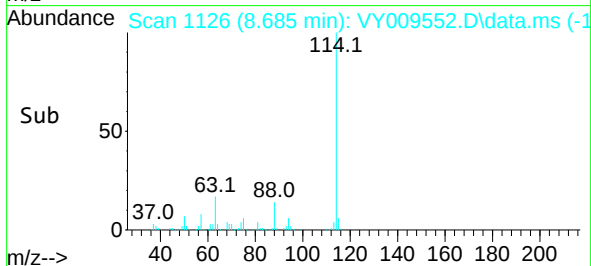
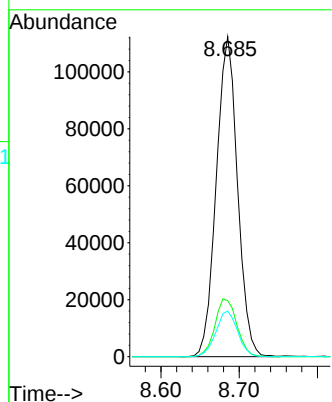
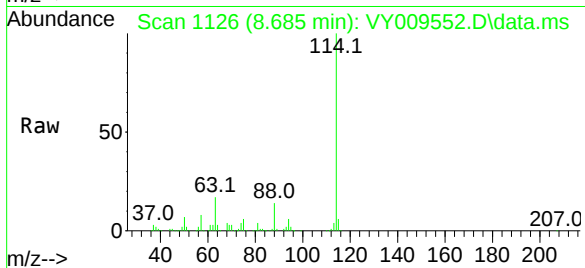
Tgt Ion:114 Resp: 211645

Ion Ratio Lower Upper

114 100

63 17.5 0.0 43.2

88 14.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 45.560 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009552.D

Acq: 13 Jul 2022 12:11

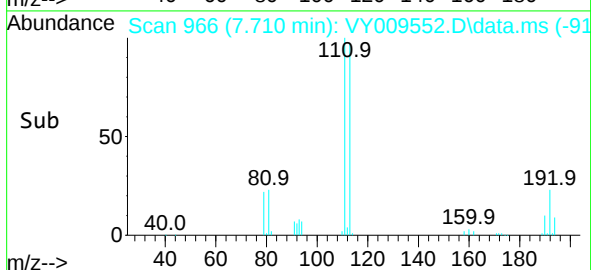
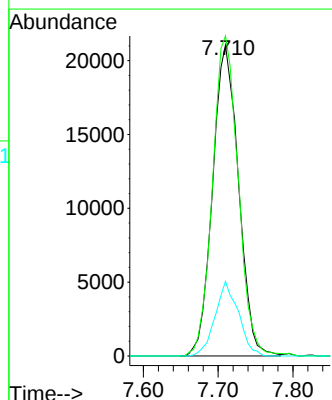
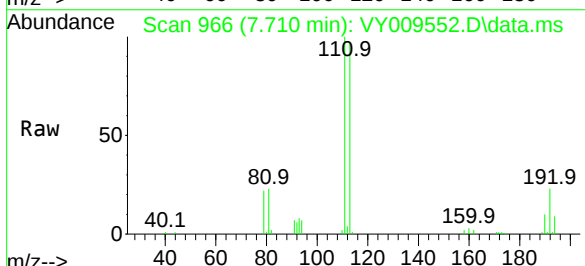
Tgt Ion:113 Resp: 50736

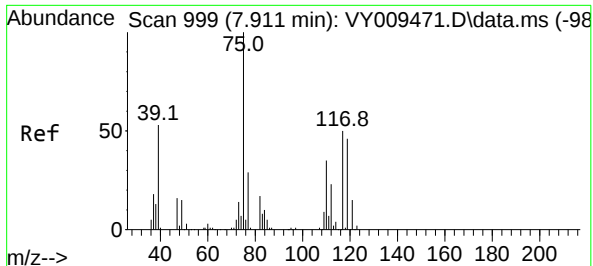
Ion Ratio Lower Upper

113 100

111 102.0 82.6 124.0

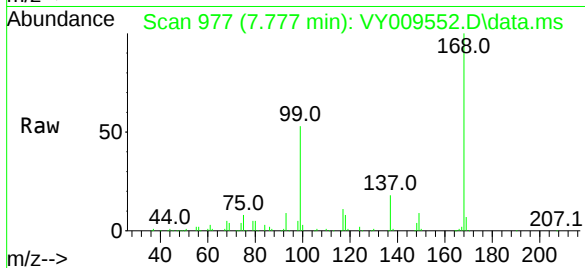
192 21.6 17.6 26.4



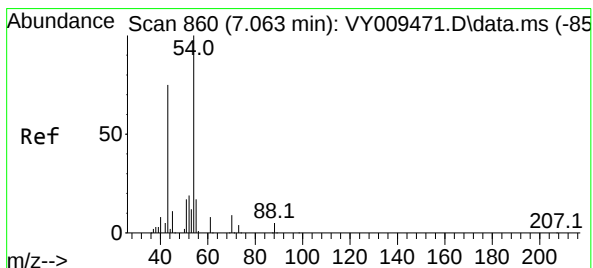
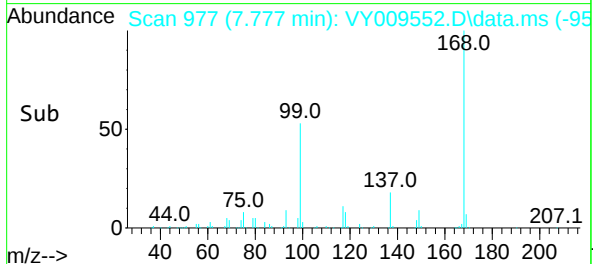
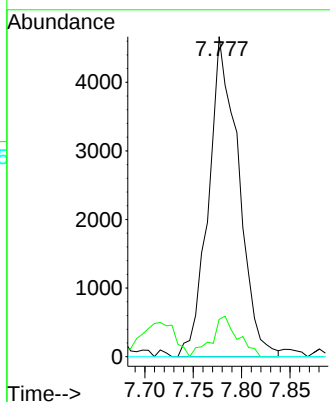


#36
1,1-Dichloropropene
Concen: 5.549 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY009552.D
Acq: 13 Jul 2022 12:11

Instrument :
MSVOA_Y
ClientSampleId :
20220506-COMPOSITE-A

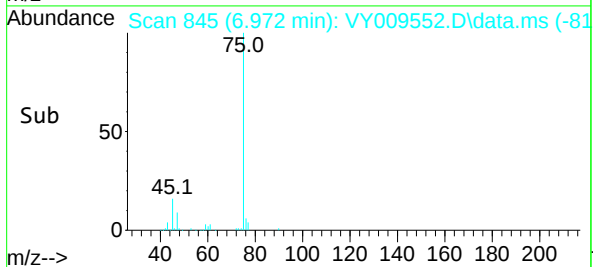
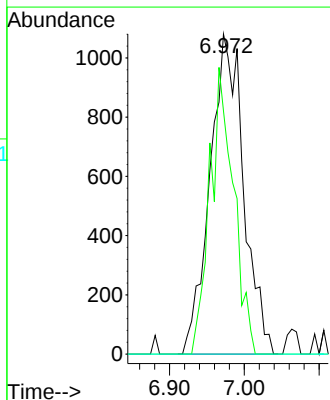
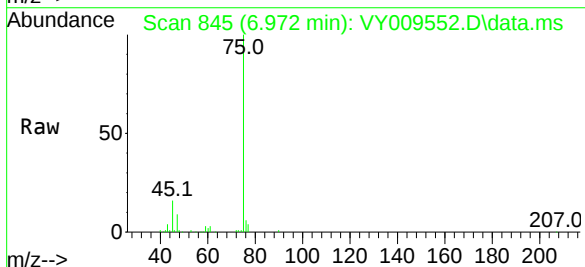


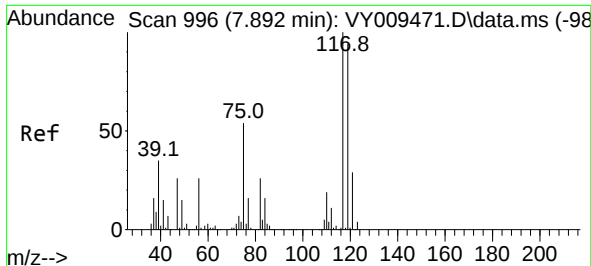
Tgt Ion: 75 Resp: 10060
Ion Ratio Lower Upper
75 100
110 10.9 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 2.977 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.091 min
Lab File: VY009552.D
Acq: 13 Jul 2022 12:11

Tgt Ion: 43 Resp: 3383
Ion Ratio Lower Upper
43 100
61 63.3 9.7 14.5#
70 0.0 7.1 10.7#

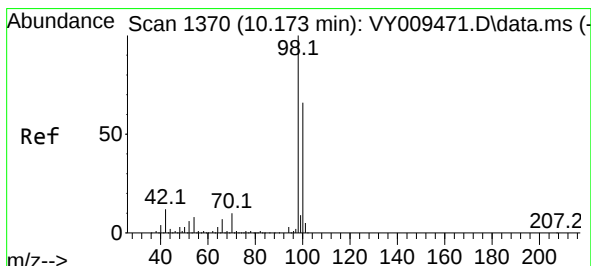
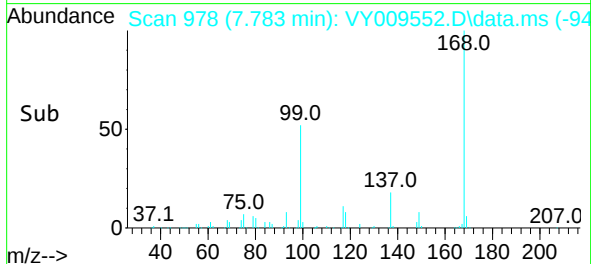
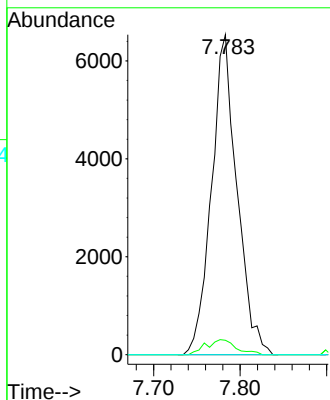
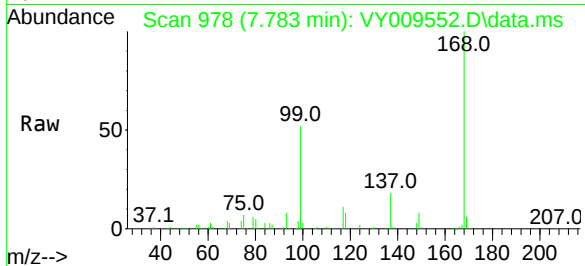




#38
Carbon Tetrachloride
Concen: 6.895 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY009552.D
Acq: 13 Jul 2022 12:11

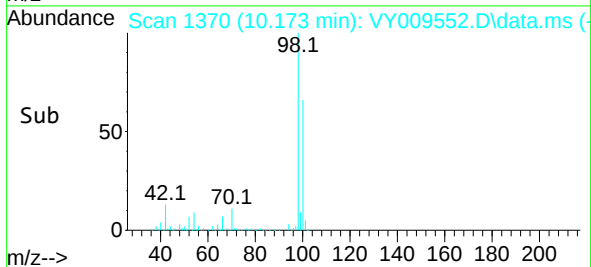
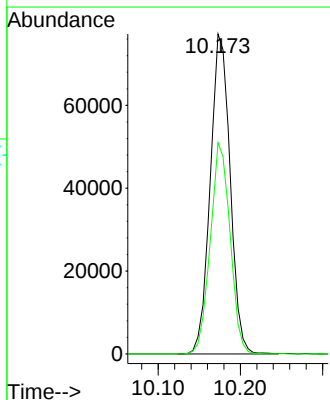
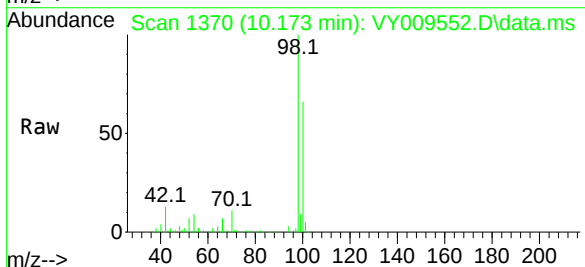
Instrument :
MSVOA_Y
ClientSampleId :
20220506-COMPOSITE-A

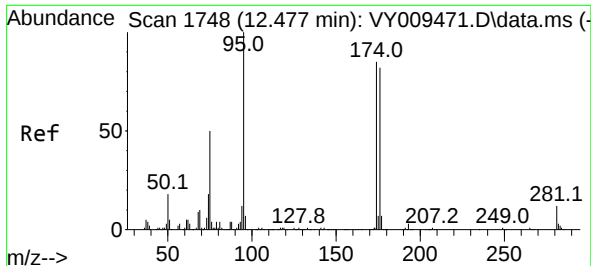
Tgt Ion:117 Resp: 13369
Ion Ratio Lower Upper
117 100
119 4.5 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 41.006 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY009552.D
Acq: 13 Jul 2022 12:11

Tgt Ion: 98 Resp: 129663
Ion Ratio Lower Upper
98 100
100 65.7 50.2 75.2

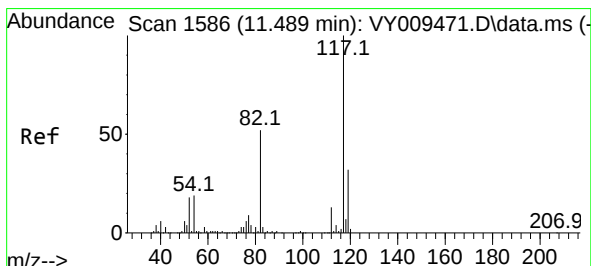
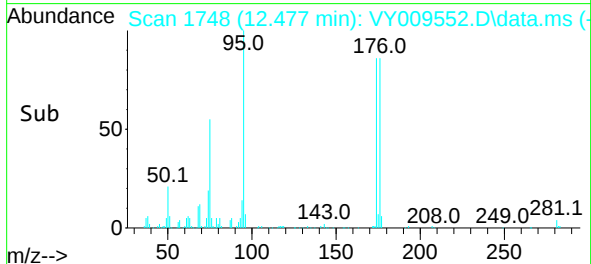
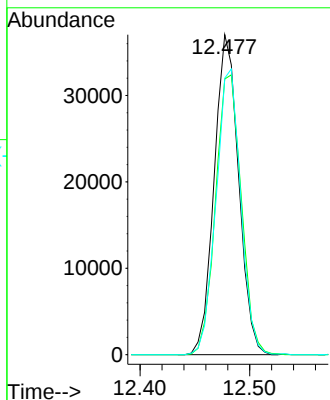
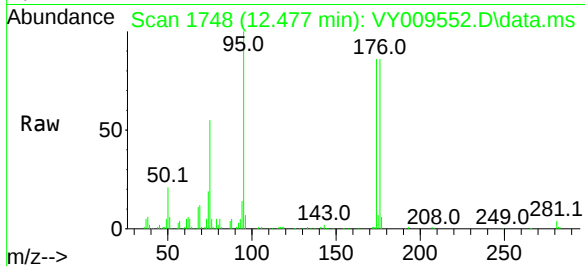




#62
4-Bromofluorobenzene
Concen: 36.491 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009552.D
Acq: 13 Jul 2022 12:11

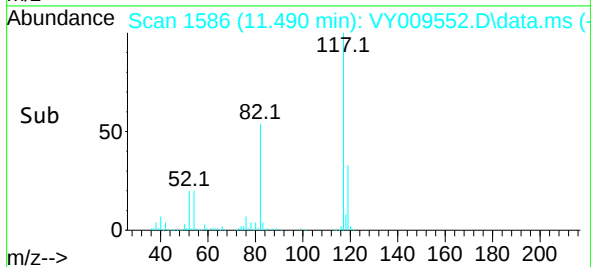
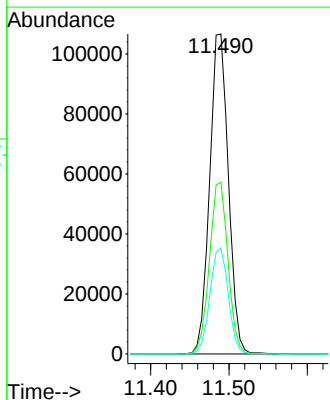
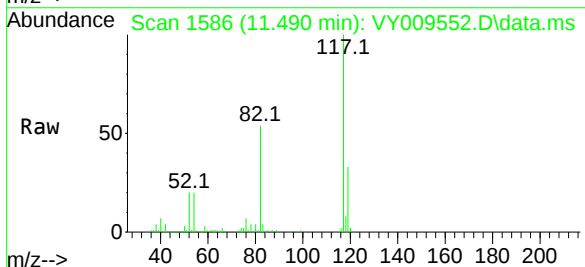
Instrument :
MSVOA_Y
ClientSampleId :
20220506-COMPOSITE-A

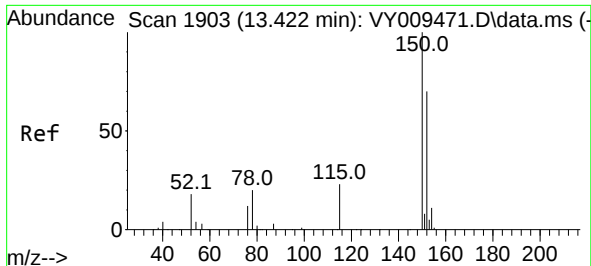
Tgt Ion: 95 Resp: 57362
Ion Ratio Lower Upper
95 100
174 91.9 0.0 177.0
176 90.1 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY009552.D
Acq: 13 Jul 2022 12:11

Tgt Ion: 117 Resp: 177199
Ion Ratio Lower Upper
117 100
82 53.7 43.0 64.4
119 33.2 25.4 38.0

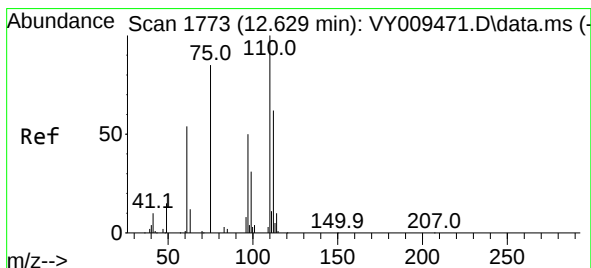
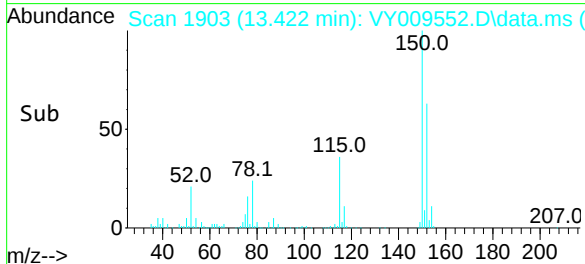
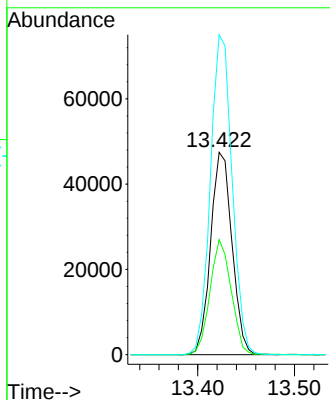
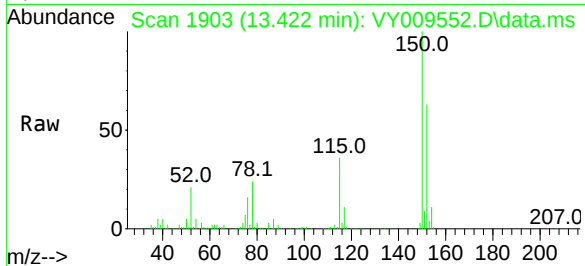




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009552.D
Acq: 13 Jul 2022 12:11

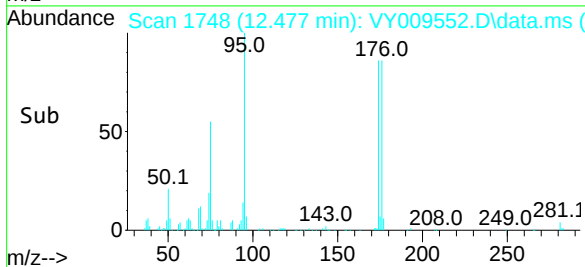
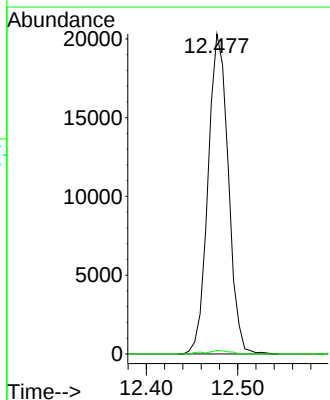
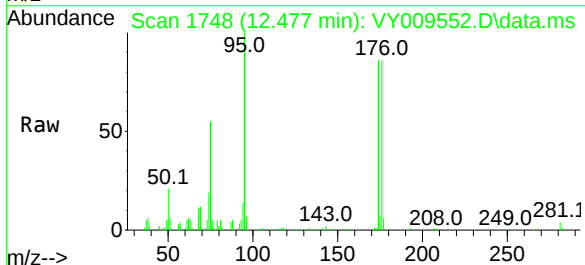
Instrument :
MSVOA_Y
ClientSampleId :
20220506-COMPOSITE-A

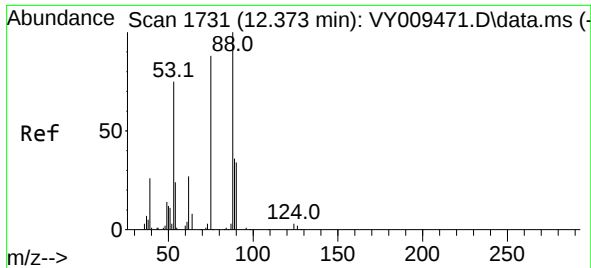
Tgt Ion:152 Resp: 73034
Ion Ratio Lower Upper
152 100
115 56.3 28.2 84.7
150 160.2 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 40.343 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY009552.D
Acq: 13 Jul 2022 12:11

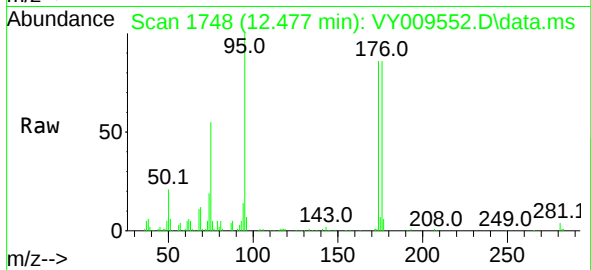
Tgt Ion: 75 Resp: 31190
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.567 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY009552.D
 Acq: 13 Jul 2022 12:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220506-COMPOSITE-A



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	85.3	127.9#
89	0.0	37.0	55.4#

