

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071222\
 Data File : VY009528.D
 Acq On : 12 Jul 2022 13:32
 Operator : KP/MD
 Sample : N3622-07RE
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220496A-SIM-C2A-COMPOSITERE

Quant Time: Jul 13 01:14:22 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)

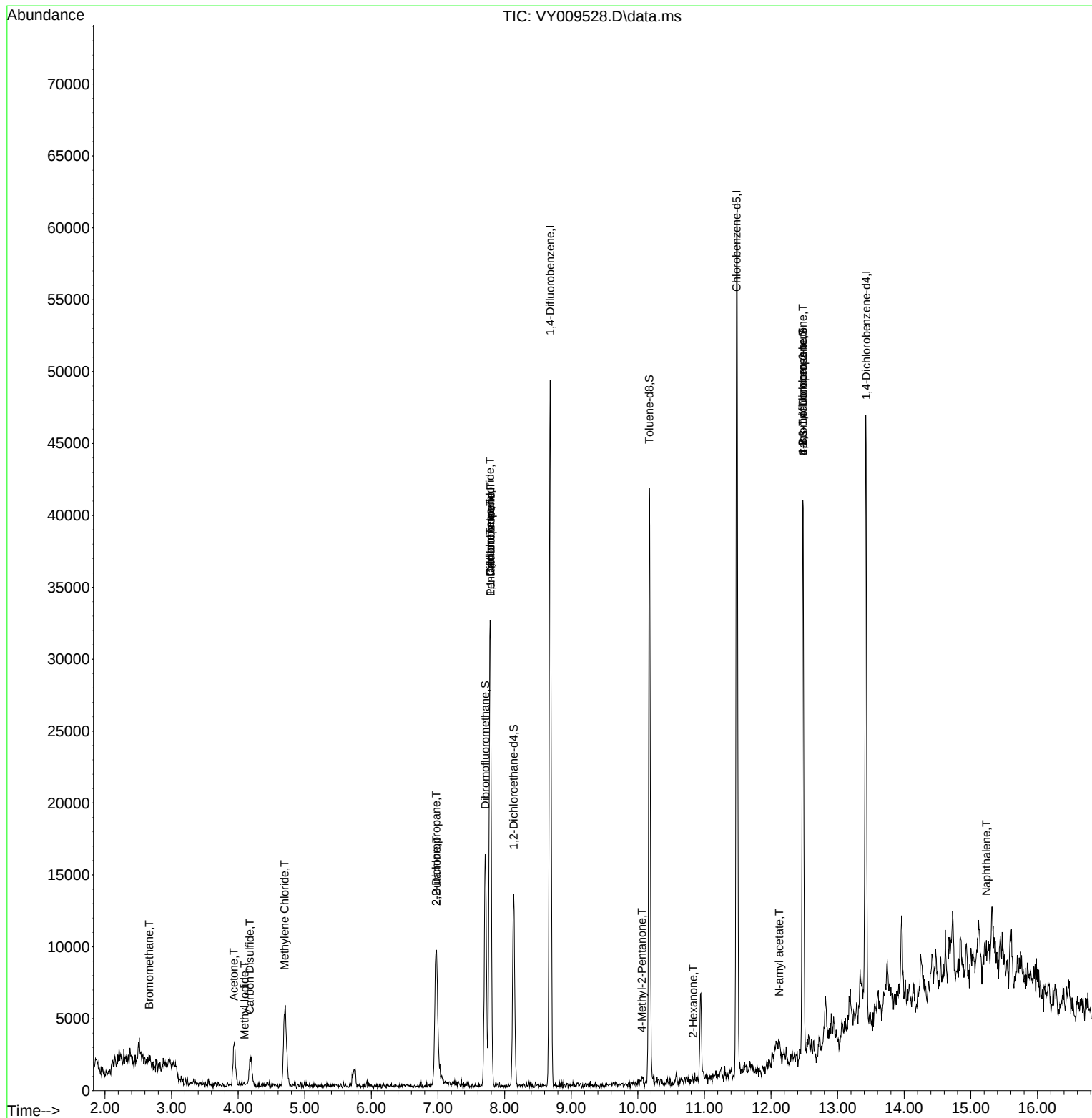
Internal Standards						
1) Pentafluorobenzene	7.789	168	26640	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	41130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	33717	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	10897	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	10371	56.050	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.100%			
35) Dibromofluoromethane	7.710	113	10577	48.874	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.740%			
50) Toluene-d8	10.173	98	25608	41.831	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery = 83.660%			
62) 4-Bromofluorobenzene	12.477	95	11653	38.146	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery = 76.300%			
Target Compounds					Qvalue	
5) Bromomethane	2.662	94	282	1.511	ug/l #	75
10) Methyl Iodide	4.094	142	206	4.760	ug/l #	59
11) Tert butyl alcohol	4.954	59	116	Below Cal	#	77
16) Acetone	3.936	43	5172	79.808	ug/l	99
17) Carbon Disulfide	4.174	76	3244	8.505	ug/l #	95
20) Methylene Chloride	4.698	84	4233	10.016	ug/l #	78
25) 2-Butanone	6.978	43	1493	14.241	ug/l #	80
26) 2,2-Dichloropropane	6.972	77	873	1.970	ug/l #	55
31) Cyclohexane	7.783	56	542	1.240	ug/l #	33
36) 1,1-Dichloropropene	7.789	75	2086	5.921	ug/l #	46
38) Carbon Tetrachloride	7.783	117	2457	6.521	ug/l #	11
51) 4-Methyl-2-Pentanone	10.063	43	362	1.670	ug/l #	65
59) 2-Hexanone	10.831	43	177	1.179	ug/l #	28
74) N-amyl acetate	12.124	43	356	1.679	ug/l #	47
76) 1,2,3-Trichloropropane	12.477	75	5954	51.615	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	5954	105.638	ug/l #	8
95) Naphthalene	15.233	128	809	1.955	ug/l #	94

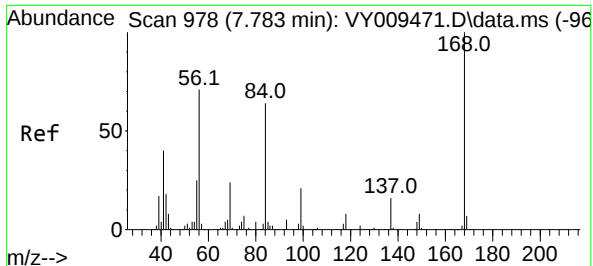
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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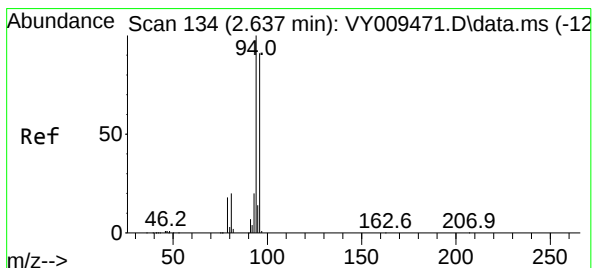
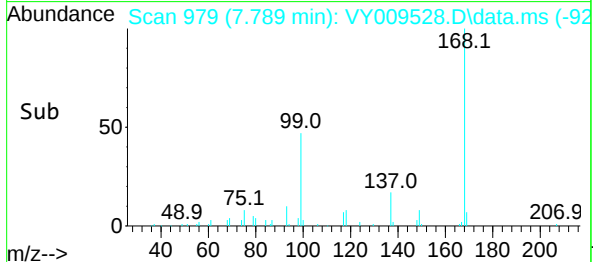
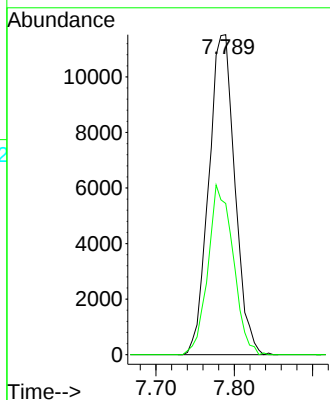
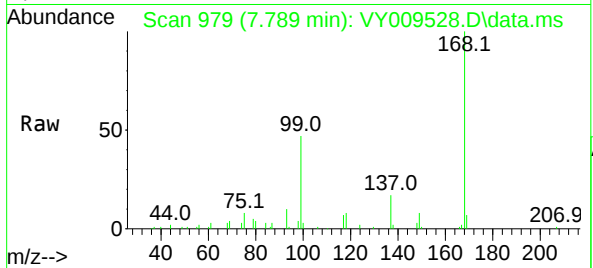




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009528.D
Acq: 12 Jul 2022 13:32

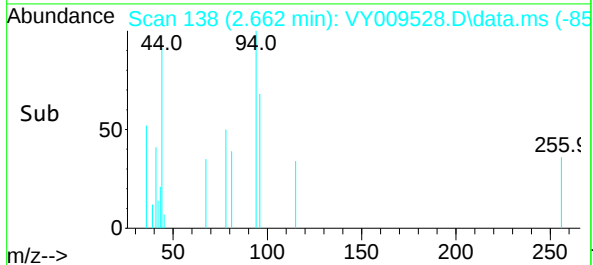
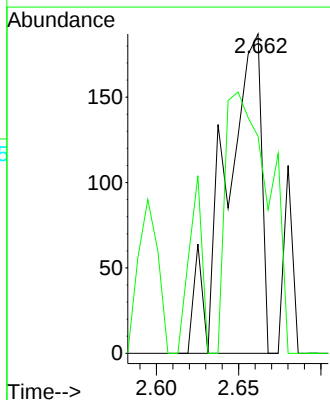
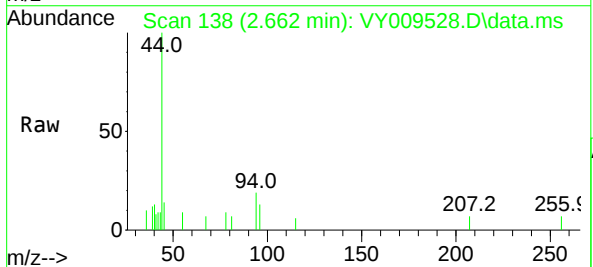
Instrument :
MSVOA_Y
ClientSampleId :
20220496A-SIM-C2A-COMPOSITERE

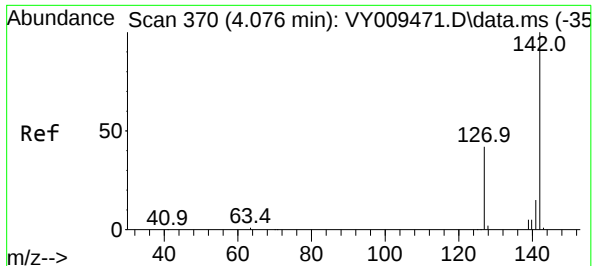
Tgt Ion:168 Resp: 26640
Ion Ratio Lower Upper
168 100
99 47.3 46.9 70.3



#5
Bromomethane
Concen: 1.511 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.025 min
Lab File: VY009528.D
Acq: 12 Jul 2022 13:32

Tgt Ion: 94 Resp: 282
Ion Ratio Lower Upper
94 100
96 67.9 73.5 110.3#

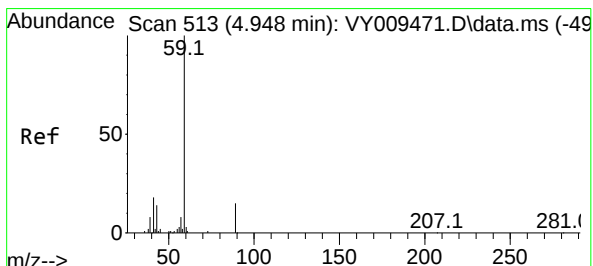
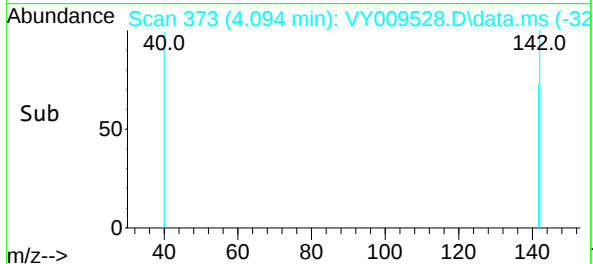
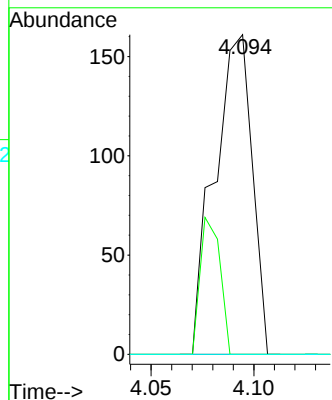
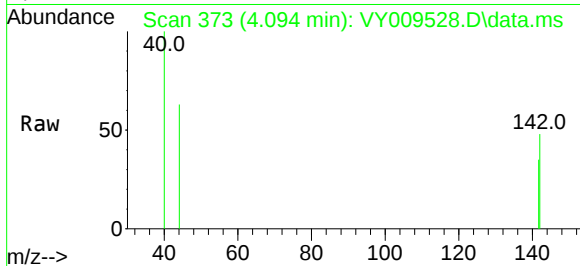




#10
Methyl Iodide
Concen: 4.760 ug/l
RT: 4.094 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY009528.D
Acq: 12 Jul 2022 13:32

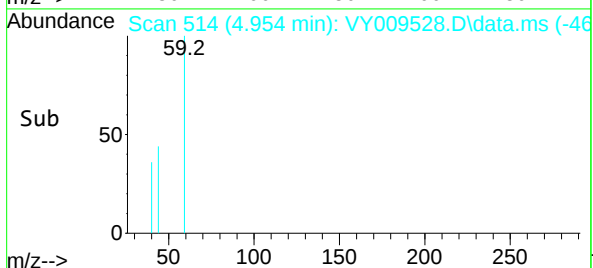
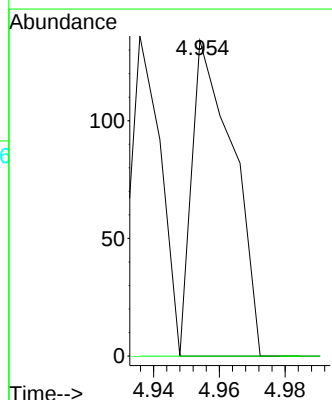
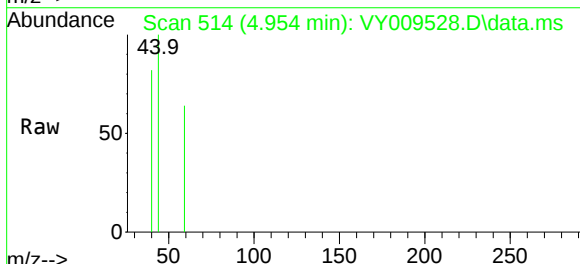
Instrument :
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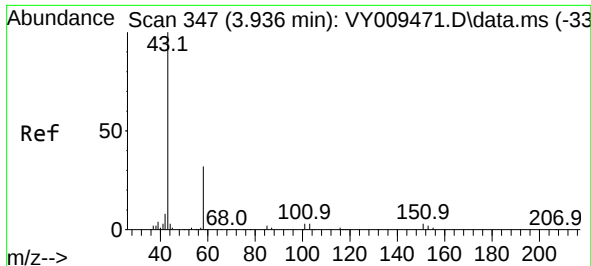
Tgt Ion:142 Resp: 206
Ion Ratio Lower Upper
142 100
127 22.3 41.5 62.3#
141 0.0 11.9 17.9#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY009528.D
Acq: 12 Jul 2022 13:32

Tgt Ion: 59 Resp: 116
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 79.808 ug/l

RT: 3.936 min Scan# 34

Delta R.T. -0.000 min

Lab File: VY009528.D

Acq: 12 Jul 2022 13:32

Instrument :

MSVOA_Y

ClientSampleId :

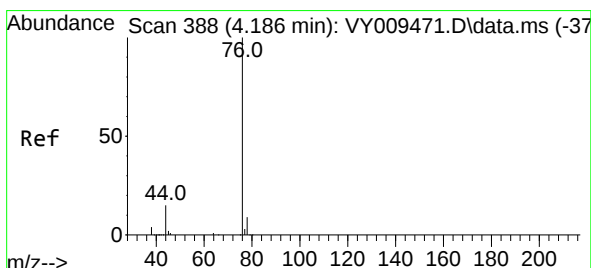
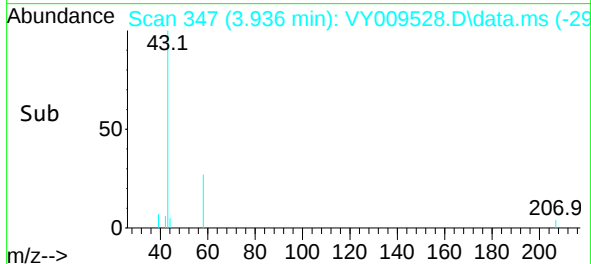
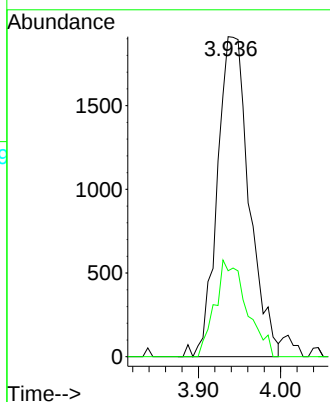
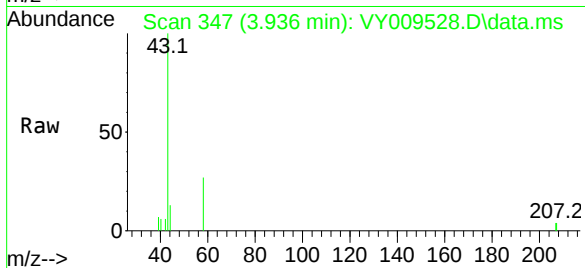
20220496A-SIM-C2A-COMPOSITERE

Tgt Ion: 43 Resp: 5172

Ion Ratio Lower Upper

43 100

58 26.9 22.0 33.0



#17

Carbon Disulfide

Concen: 8.505 ug/l

RT: 4.174 min Scan# 386

Delta R.T. -0.012 min

Lab File: VY009528.D

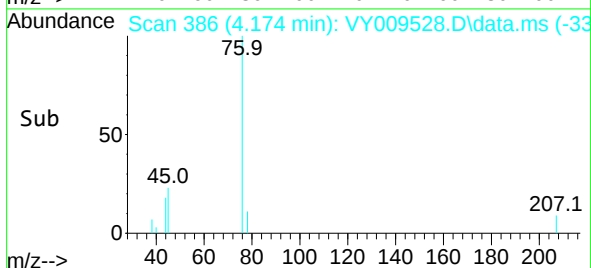
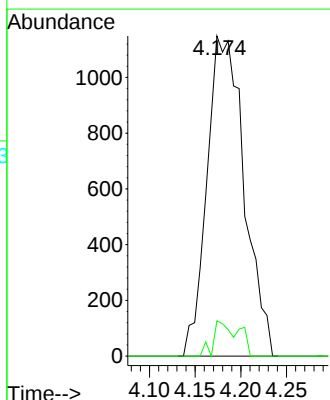
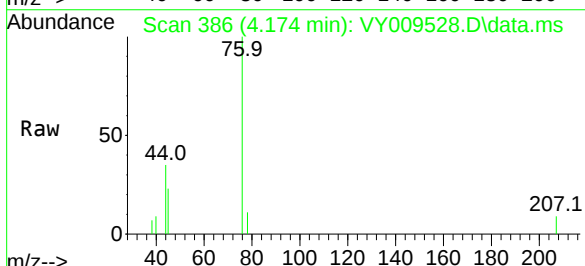
Acq: 12 Jul 2022 13:32

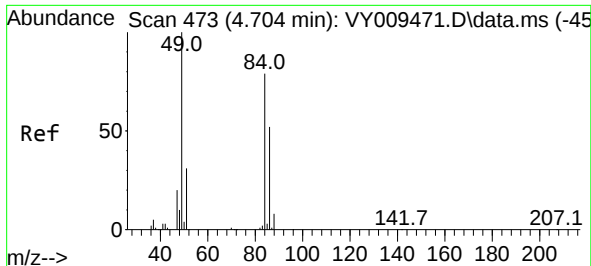
Tgt Ion: 76 Resp: 3244

Ion Ratio Lower Upper

76 100

78 11.1 7.4 11.0#

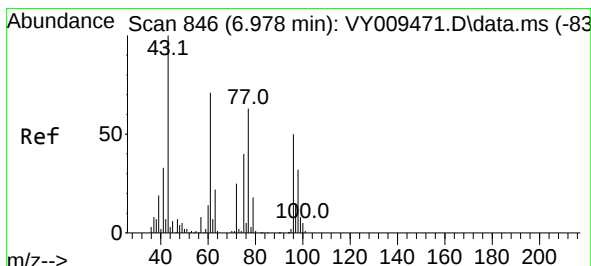
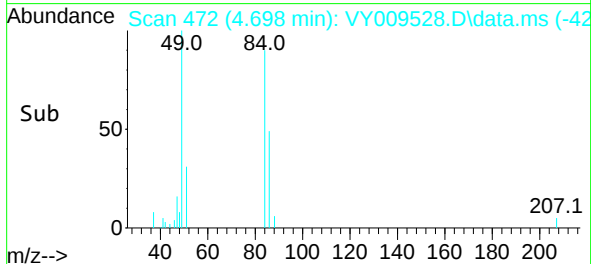
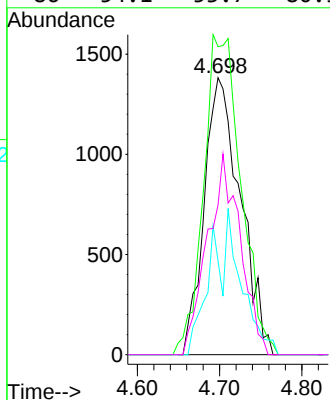
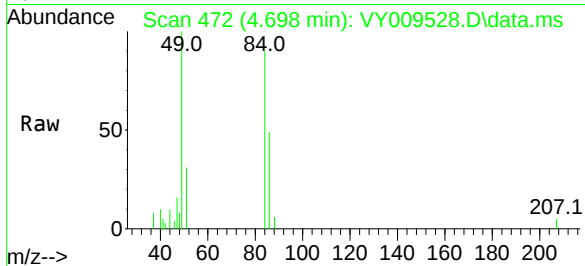




#20
Methylene Chloride
Concen: 10.016 ug/l
RT: 4.698 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY009528.D
Acq: 12 Jul 2022 13:32

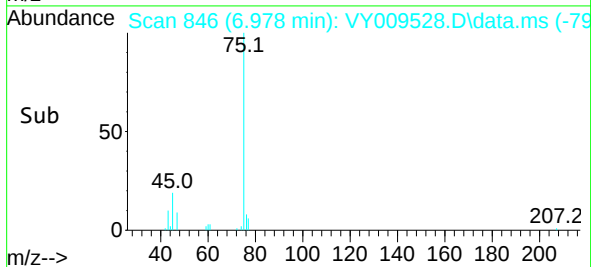
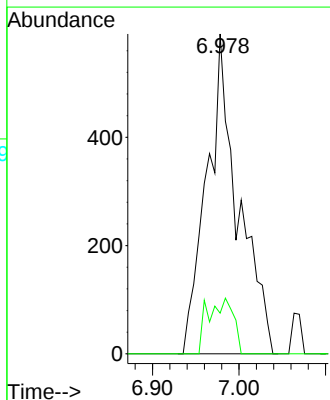
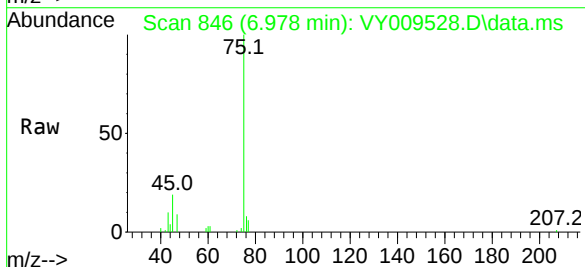
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ClientSampleId :
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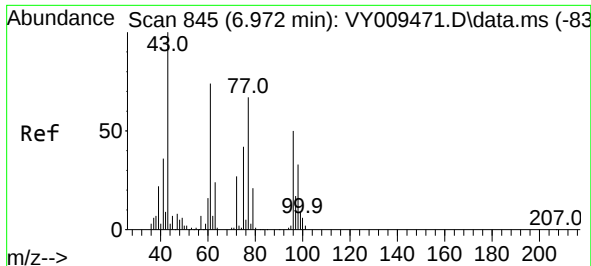
Tgt Ion: 84 Resp: 4233
Ion Ratio Lower Upper
84 100
49 111.2 114.4 171.6#
51 33.9 35.3 52.9#
86 54.1 53.7 80.5



#25
2-Butanone
Concen: 14.241 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY009528.D
Acq: 12 Jul 2022 13:32

Tgt Ion: 43 Resp: 1493
Ion Ratio Lower Upper
43 100
72 12.7 17.7 26.5#

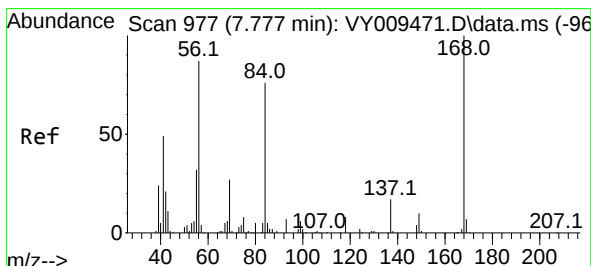
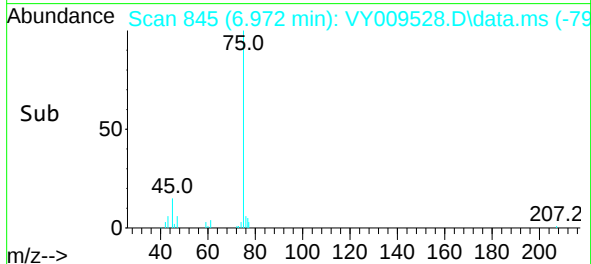
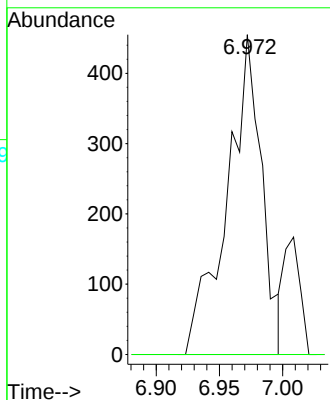
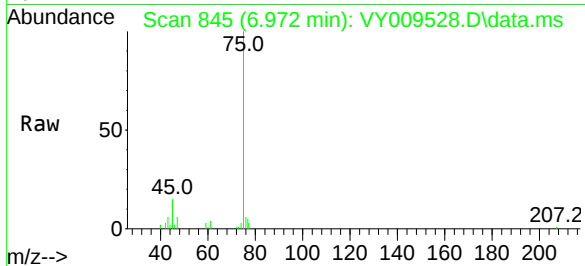




#26
2,2-Dichloropropane
Concen: 1.970 ug/l
RT: 6.972 min Scan# 845
Delta R.T. 0.000 min
Lab File: VY009528.D
Acq: 12 Jul 2022 13:32

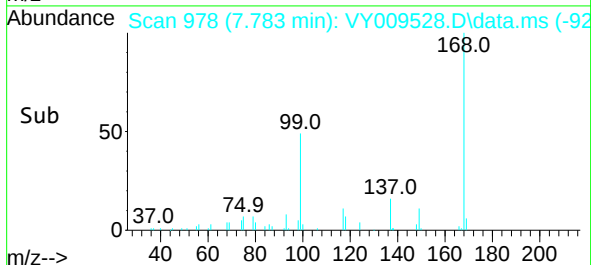
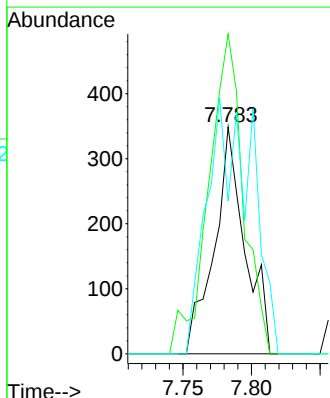
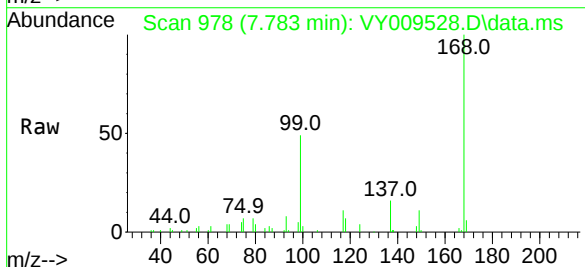
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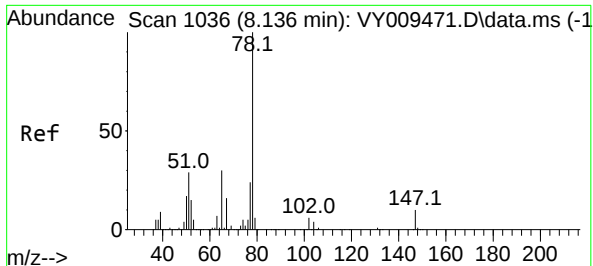
Tgt Ion: 77 Resp: 873
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#



#31
Cyclohexane
Concen: 1.240 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY009528.D
Acq: 12 Jul 2022 13:32

Tgt Ion: 56 Resp: 542
Ion Ratio Lower Upper
56 100
69 141.0 26.7 40.1#
84 67.3 67.2 100.8





#33

1,2-Dichloroethane-d4

Concen: 56.050 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY009528.D

Acq: 12 Jul 2022 13:32

Instrument :

MSVOA_Y

ClientSampleId :

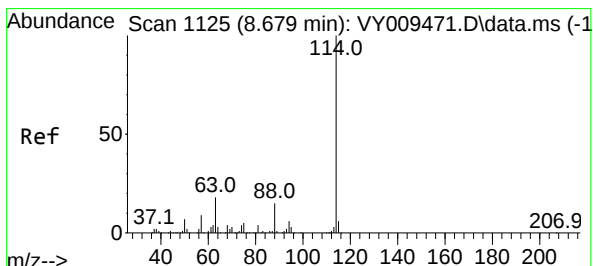
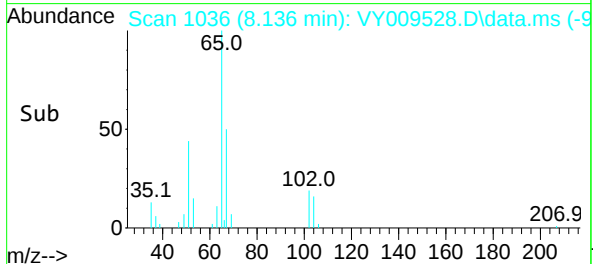
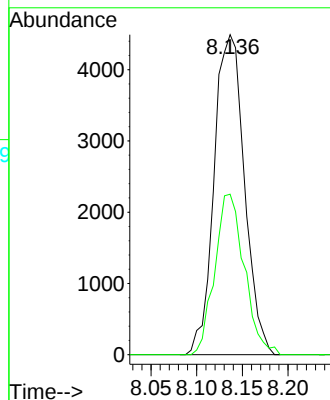
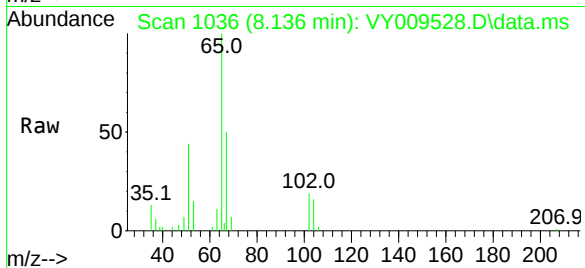
20220496A-SIM-C2A-COMPOSITERE

Tgt Ion: 65 Resp: 10371

Ion Ratio Lower Upper

65 100

67 48.9 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: VY009528.D

Acq: 12 Jul 2022 13:32

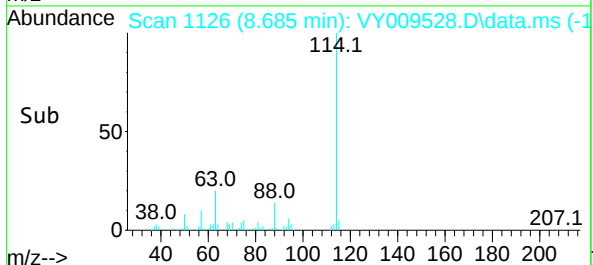
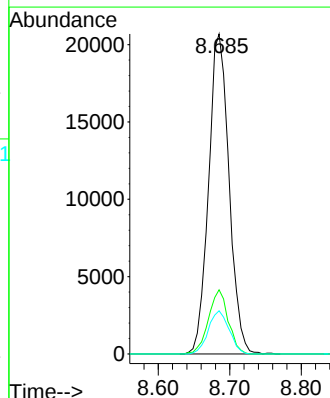
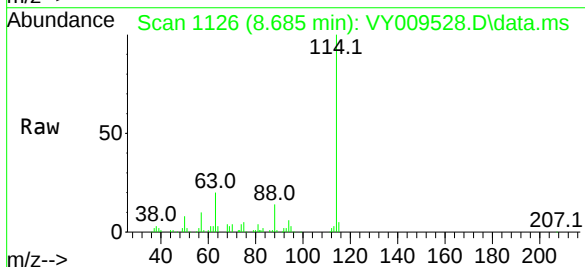
Tgt Ion: 114 Resp: 41130

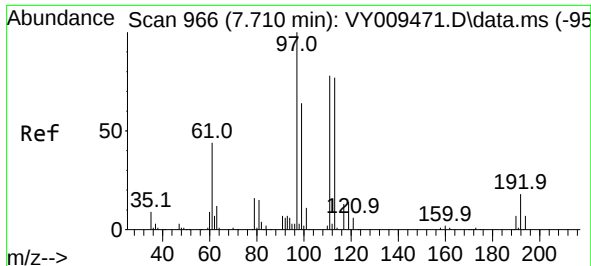
Ion Ratio Lower Upper

114 100

63 20.0 0.0 43.2

88 13.5 0.0 31.8

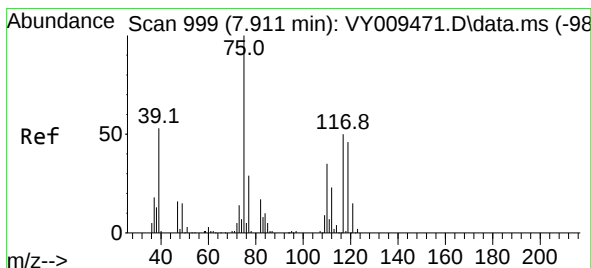
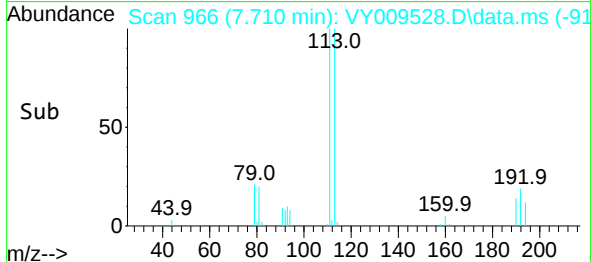
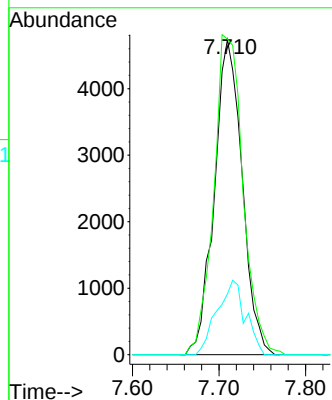
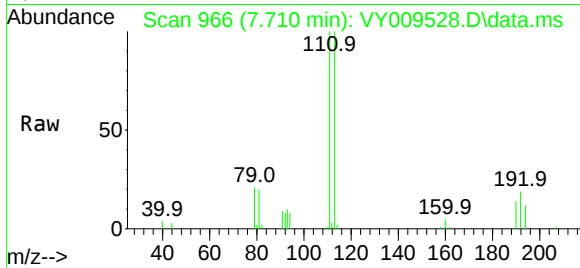




#35
Dibromofluoromethane
Concen: 48.874 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY009528.D
Acq: 12 Jul 2022 13:32

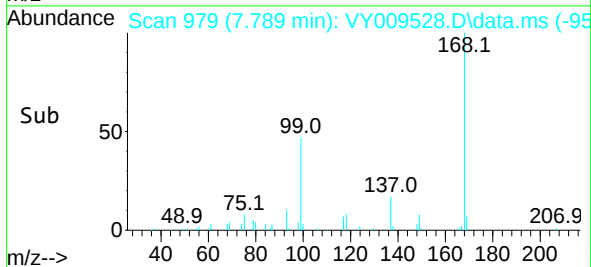
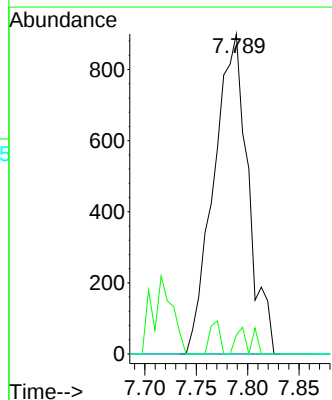
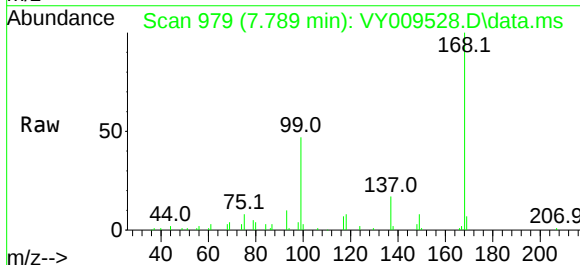
Instrument :
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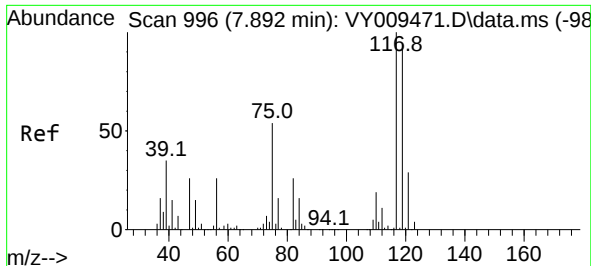
Tgt Ion:113 Resp: 10577
Ion Ratio Lower Upper
113 100
111 107.0 82.6 124.0
192 24.0 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.921 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY009528.D
Acq: 12 Jul 2022 13:32

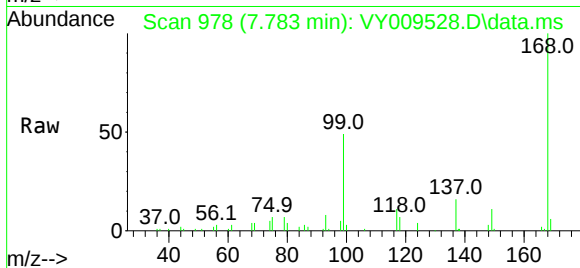
Tgt Ion: 75 Resp: 2086
Ion Ratio Lower Upper
75 100
110 3.5 17.1 51.2#
77 0.0 24.4 36.6#



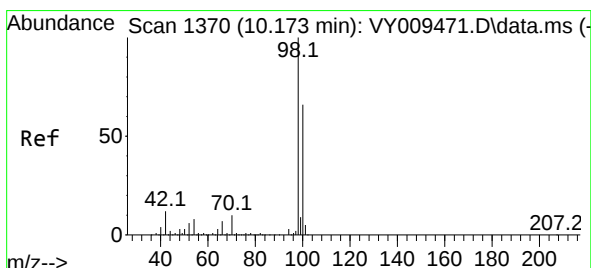
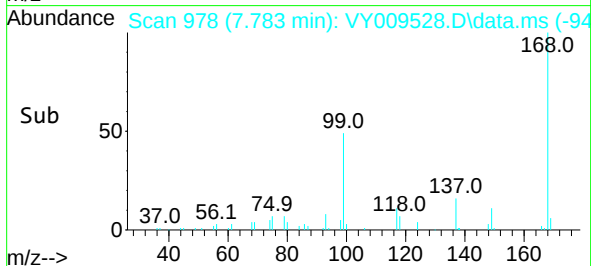
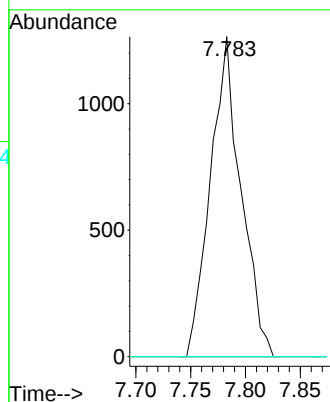


#38
Carbon Tetrachloride
Concen: 6.521 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY009528.D
Acq: 12 Jul 2022 13:32

Instrument :
MSVOA_Y
ClientSampleId :
20220496A-SIM-C2A-COMPOSITE

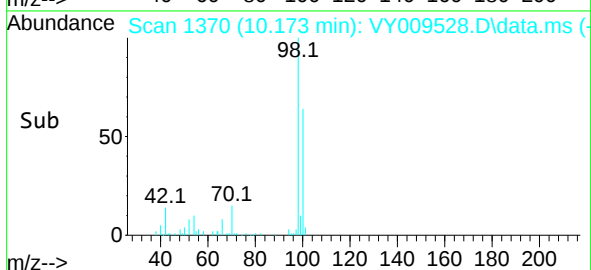
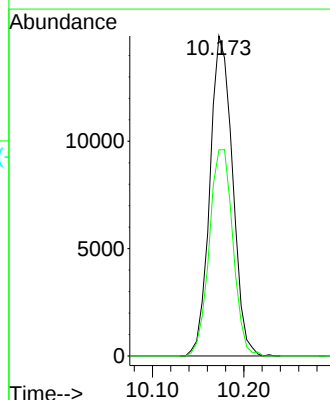
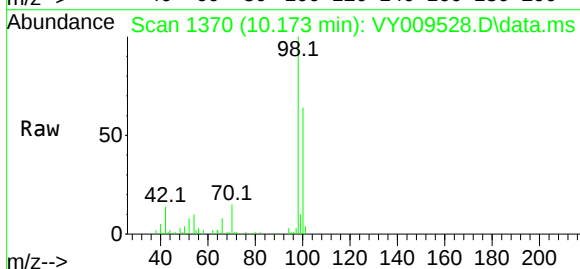


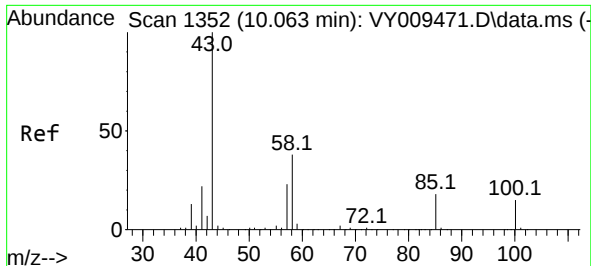
Tgt Ion:117 Resp: 2457
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 41.831 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY009528.D
Acq: 12 Jul 2022 13:32

Tgt Ion: 98 Resp: 25608
Ion Ratio Lower Upper
98 100
100 67.4 50.2 75.2

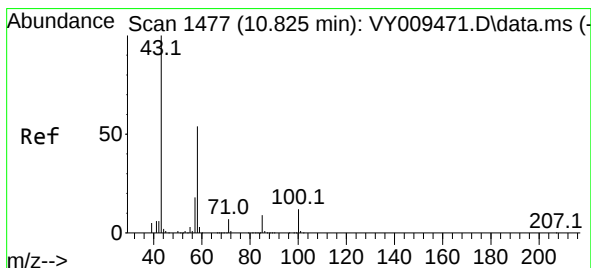
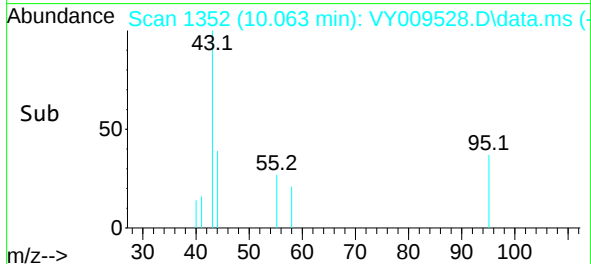
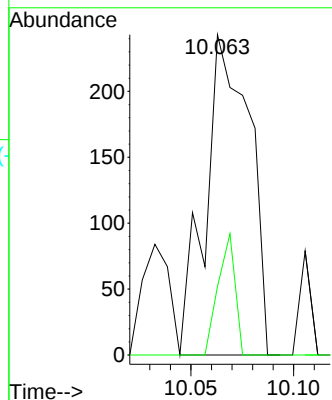
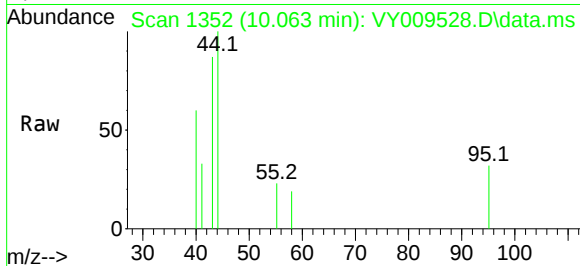




#51
4-Methyl-2-Pentanone
Concen: 1.670 ug/l
RT: 10.063 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009528.D
Acq: 12 Jul 2022 13:32

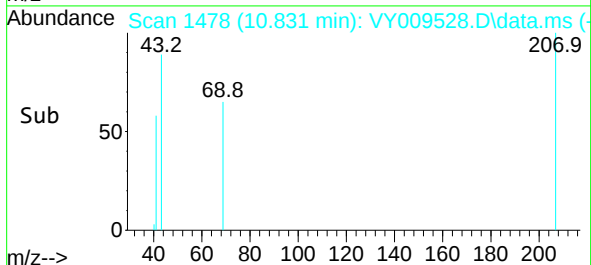
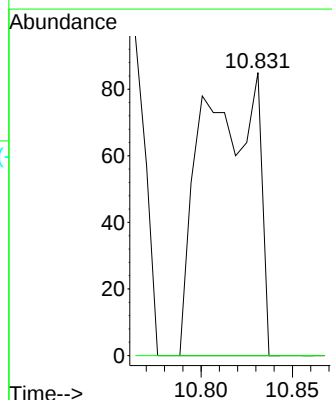
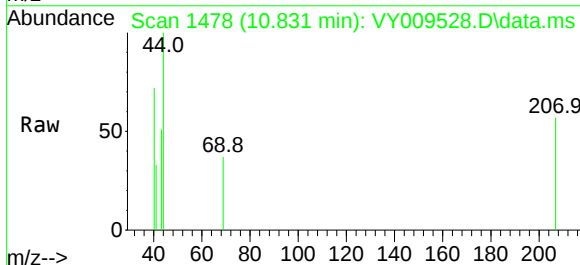
Instrument :
MSVOA_Y
ClientSampleId :
20220496A-SIM-C2A-COMPOSITERE

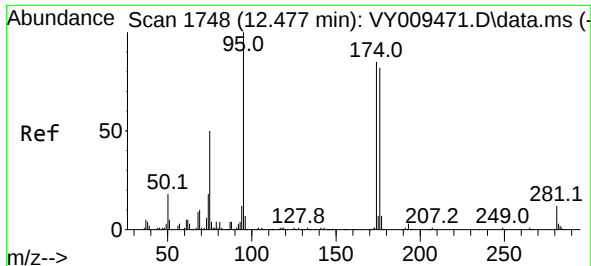
Tgt Ion: 43 Resp: 362
Ion Ratio Lower Upper
43 100
58 14.6 28.1 42.1#



#59
2-Hexanone
Concen: 1.179 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VY009528.D
Acq: 12 Jul 2022 13:32

Tgt Ion: 43 Resp: 177
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#

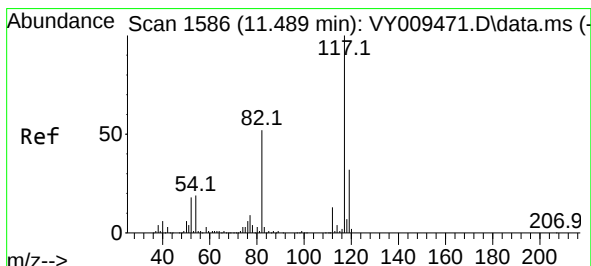
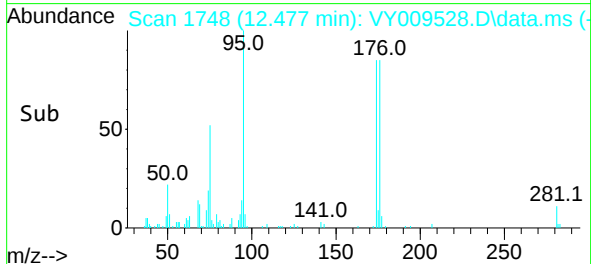
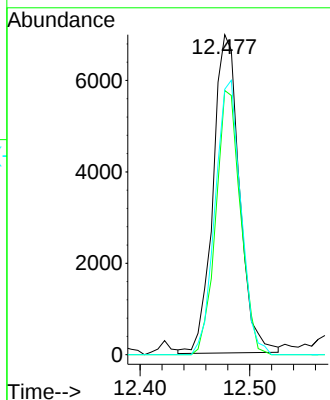
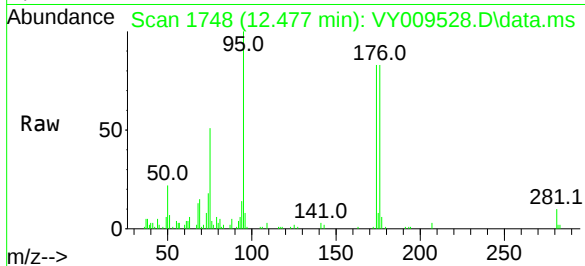




#62
4-Bromofluorobenzene
Concen: 38.146 ug/l
RT: 12.477 min Scan# 11653
Delta R.T. 0.000 min
Lab File: VY009528.D
Acq: 12 Jul 2022 13:32

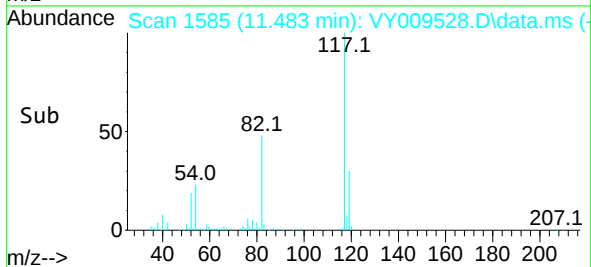
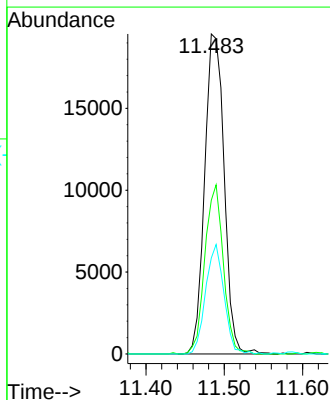
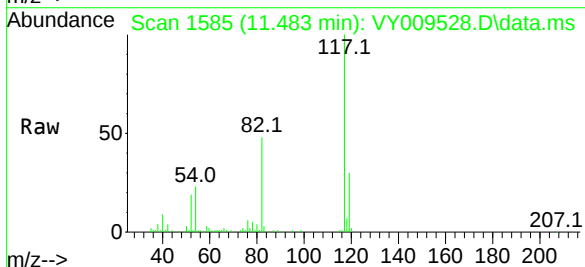
Instrument :
MSVOA_Y
ClientSampleId :
20220496A-SIM-C2A-COMPOSITERE

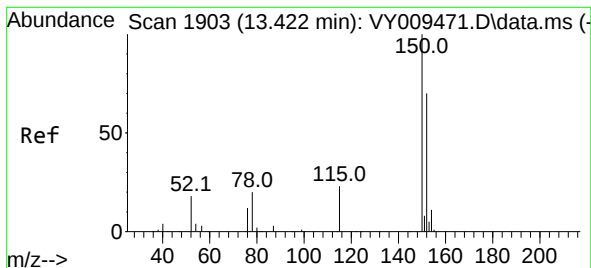
Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.4	0.0	177.0
176	83.6	0.0	175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY009528.D
Acq: 12 Jul 2022 13:32

Tgt Ion	Ratio	Lower	Upper
117	100		
82	48.0	43.0	64.4
119	30.0	25.4	38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY009528.D

Acq: 12 Jul 2022 13:32

Instrument :

MSVOA_Y

ClientSampleId :

20220496A-SIM-C2A-COMPOSITERE

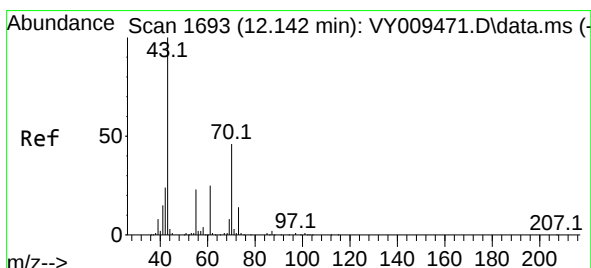
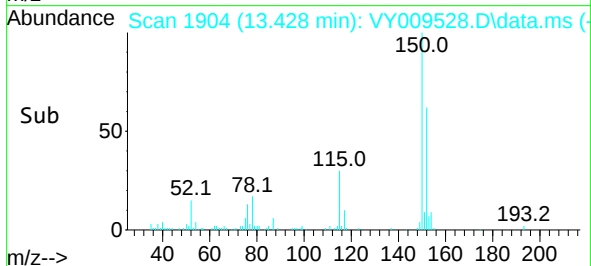
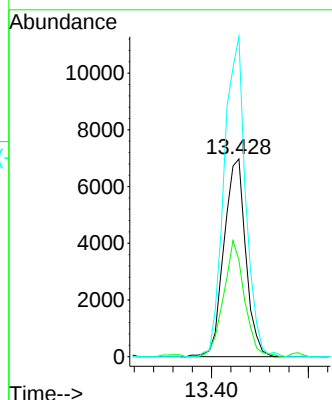
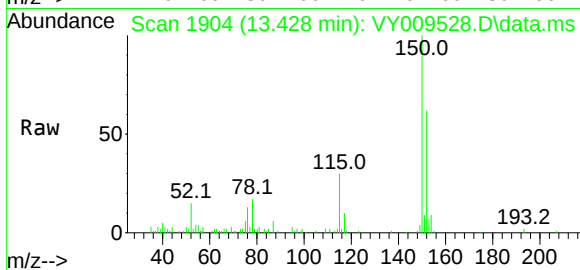
Tgt Ion:152 Resp: 10897

Ion Ratio Lower Upper

152 100

115 56.0 28.2 84.7

150 159.8 0.0 347.6



#74

N-ethyl acetate

Concen: 1.679 ug/l

RT: 12.124 min Scan# 1690

Delta R.T. -0.018 min

Lab File: VY009528.D

Acq: 12 Jul 2022 13:32

Tgt Ion: 43 Resp: 356

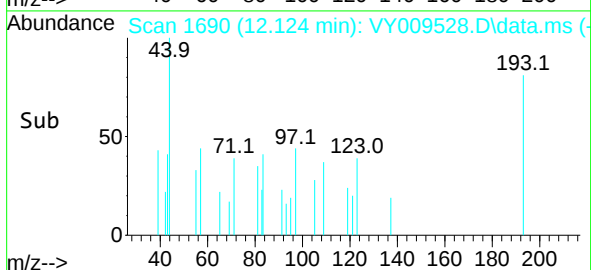
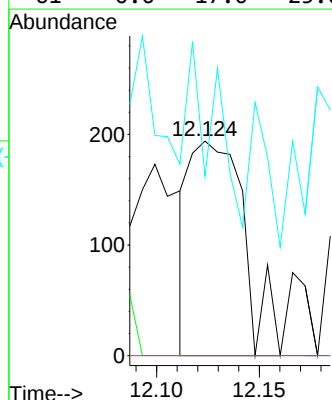
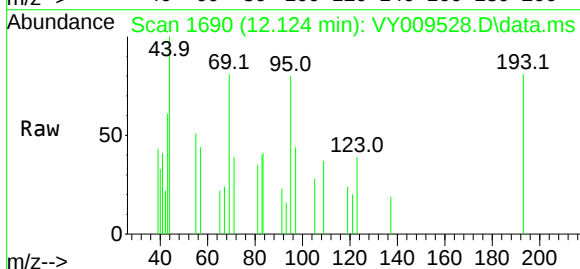
Ion Ratio Lower Upper

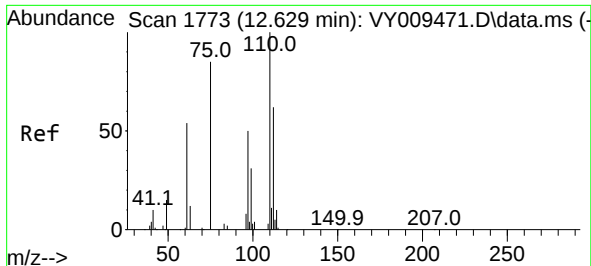
43 100

70 0.0 28.7 43.1#

55 0.0 17.3 25.9#

61 0.0 17.0 25.6#

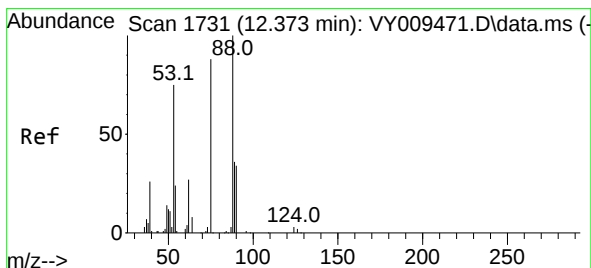
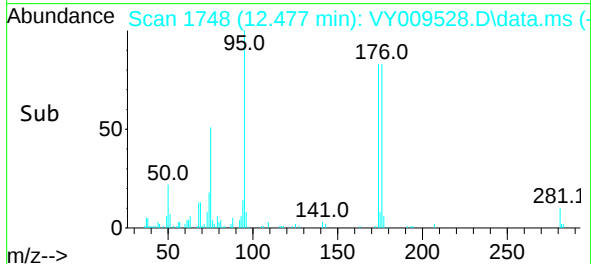
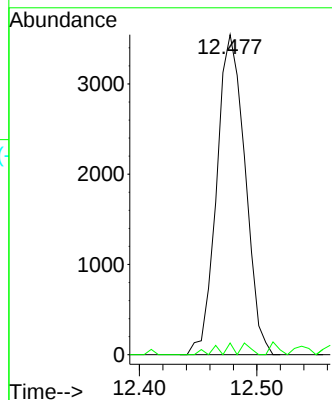
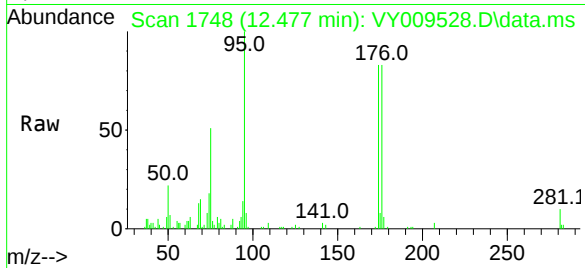




#76
1,2,3-Trichloropropane
Concen: 51.615 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY009528.D
Acq: 12 Jul 2022 13:32

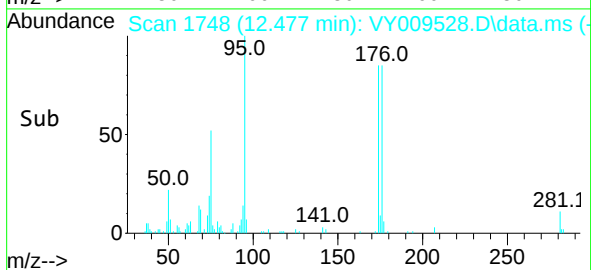
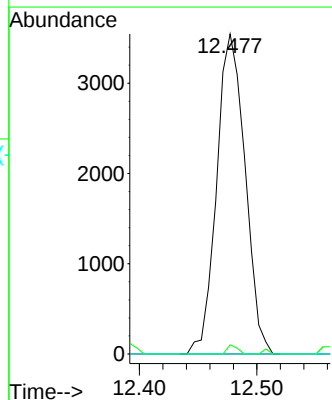
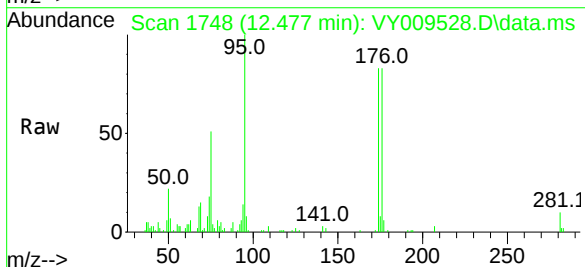
Instrument : MSVOA_Y
ClientSampleId : 20220496A-SIM-C2A-COMPOSITERE

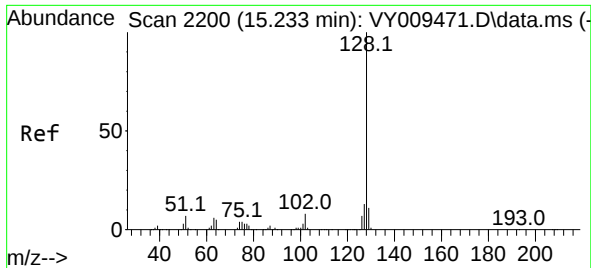
Tgt Ion: 75 Resp: 5954
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.638 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009528.D
Acq: 12 Jul 2022 13:32

Tgt Ion: 75 Resp: 5954
Ion Ratio Lower Upper
75 100
53 1.0 85.3 127.9#
89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 1.955 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY009528.D

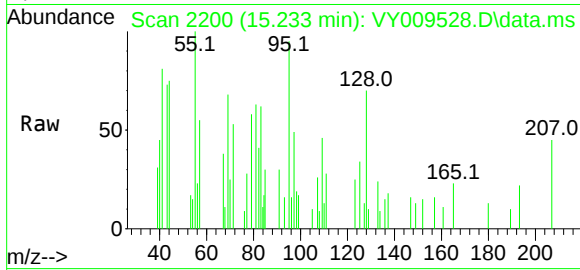
Acq: 12 Jul 2022 13:32

Instrument :

MSVOA_Y

ClientSampleId :

20220496A-SIM-C2A-COMPOSITE



Tgt Ion:128 Resp: 809

Ion Ratio Lower Upper

128 100

127 14.8 11.0 16.4

129 14.7 8.4 12.6#

