

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071222\
 Data File : VY009533.D
 Acq On : 12 Jul 2022 15:25
 Operator : KP/MD
 Sample : N3643-01RE
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-070822

Quant Time: Jul 13 01:15:33 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)

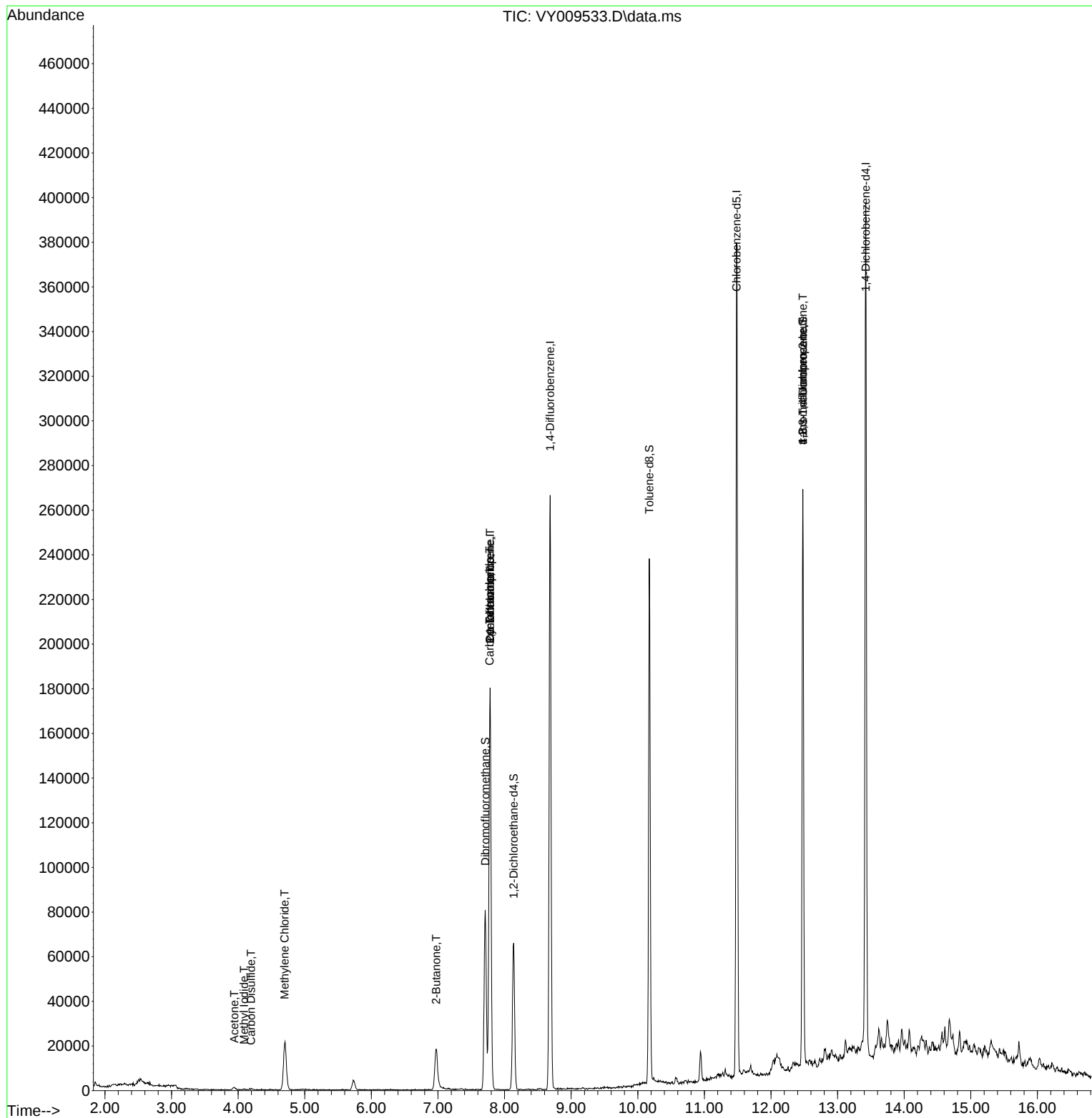
Internal Standards						
1) Pentafluorobenzene	7.783	168	142713	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	227158	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.484	117	204477	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	94965	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	50613	50.398	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.800%	
35) Dibromofluoromethane	7.710	113	55075	46.079	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 92.160%	
50) Toluene-d8	10.173	98	148025	44.234	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 88.460%	
62) 4-Bromofluorobenzene	12.477	95	73604	43.626	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 87.260%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.089	142	352	4.353	ug/l #	60
11) Tert butyl alcohol	4.948	59	435	Below Cal	#	77
16) Acetone	3.942	43	1956	5.634	ug/l	99
17) Carbon Disulfide	4.192	76	28	4.428	ug/l #	75
20) Methylene Chloride	4.698	84	15606	5.265	ug/l #	83
23) Vinyl Acetate	6.052	43	89	Below Cal	#	75
25) 2-Butanone	6.972	43	1367	2.434	ug/l	93
31) Cyclohexane	7.783	56	3175	1.356	ug/l #	28
36) 1,1-Dichloropropene	7.783	75	10489	5.390	ug/l #	52
38) Carbon Tetrachloride	7.777	117	13011	6.252	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	39142	38.937	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	39142	79.689	ug/l #	7

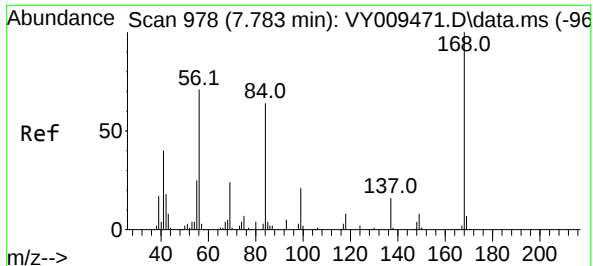
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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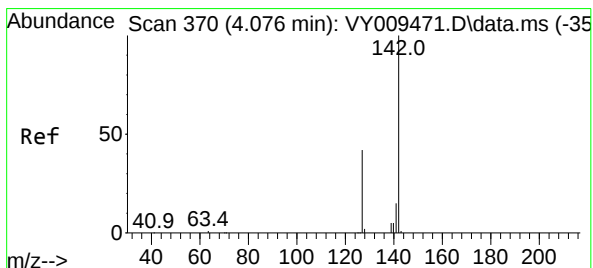
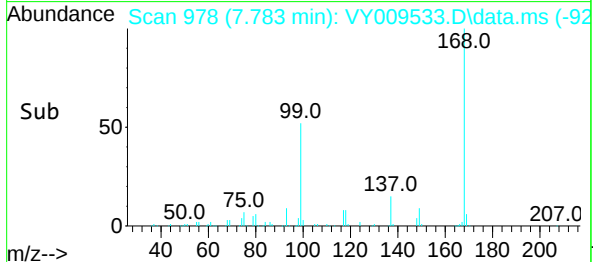
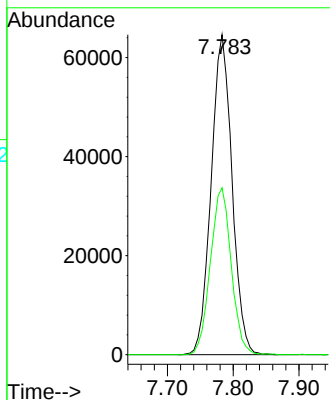
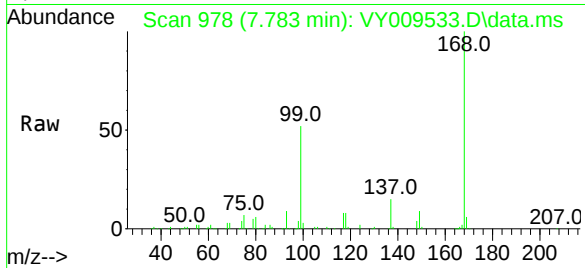




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009533.D
Acq: 12 Jul 2022 15:25

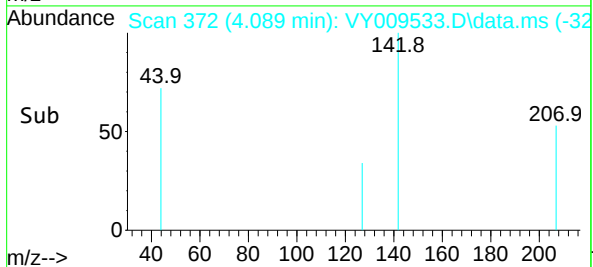
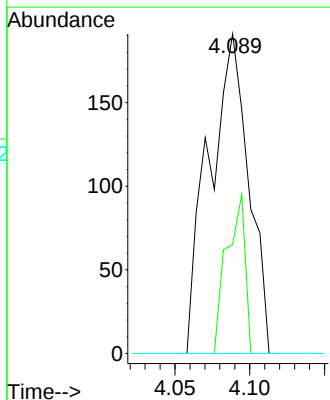
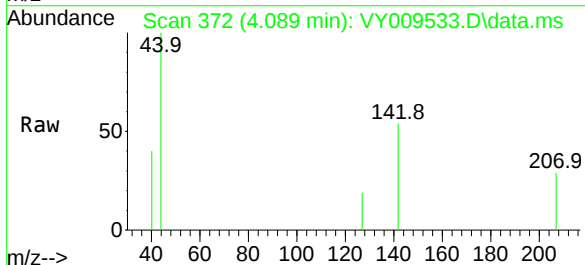
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-070822

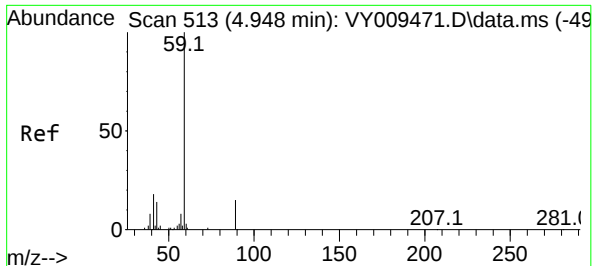
Tgt Ion:168 Resp: 142713
Ion Ratio Lower Upper
168 100
99 52.2 46.9 70.3



#10
Methyl Iodide
Concen: 4.353 ug/l
RT: 4.089 min Scan# 372
Delta R.T. 0.013 min
Lab File: VY009533.D
Acq: 12 Jul 2022 15:25

Tgt Ion:142 Resp: 352
Ion Ratio Lower Upper
142 100
127 23.0 41.5 62.3#
141 0.0 11.9 17.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.948 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY009533.D

Acq: 12 Jul 2022 15:25

Instrument :

MSVOA_Y

ClientSampleId :

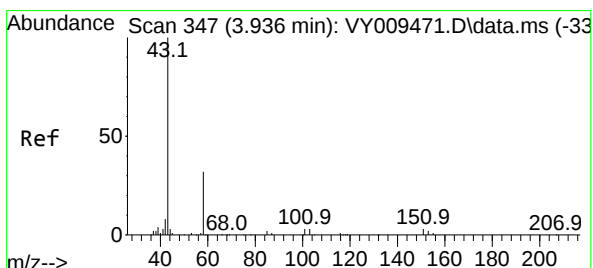
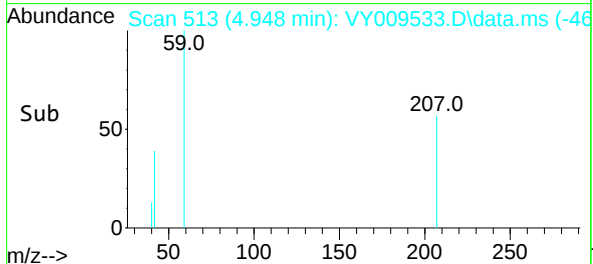
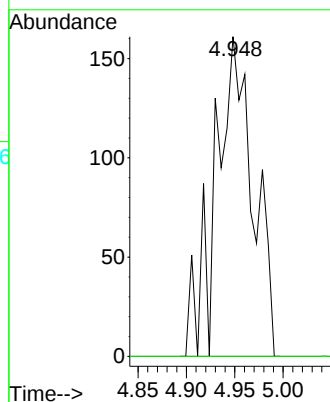
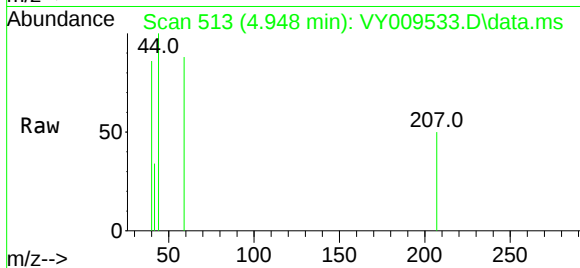
TR-04-070822

Tgt Ion: 59 Resp: 435

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 5.634 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.006 min

Lab File: VY009533.D

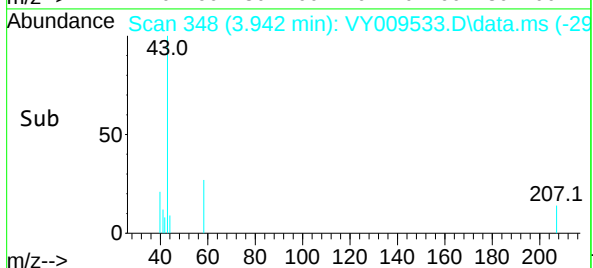
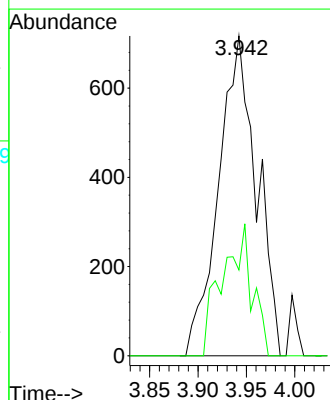
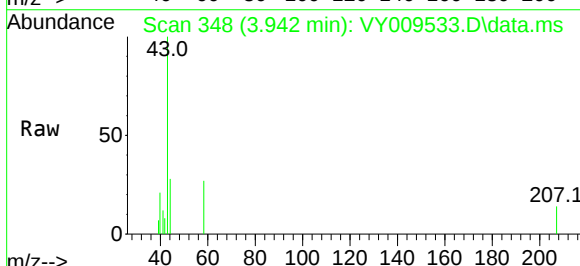
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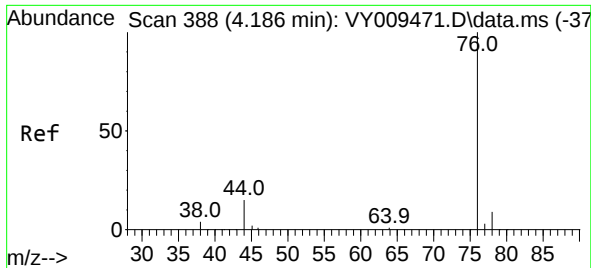
Tgt Ion: 43 Resp: 1956

Ion Ratio Lower Upper

43 100

58 26.8 22.0 33.0

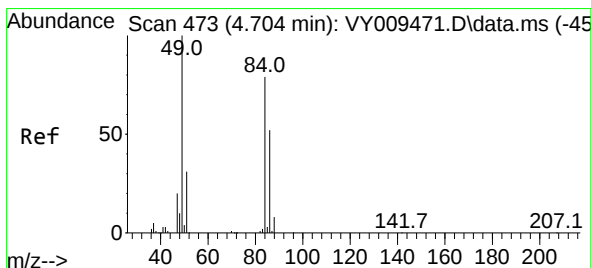
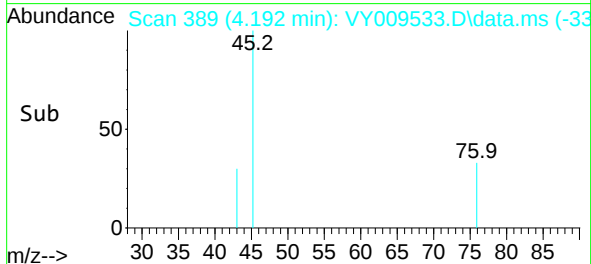
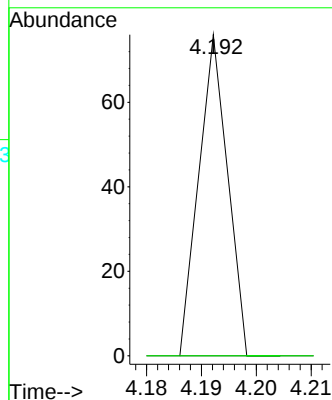
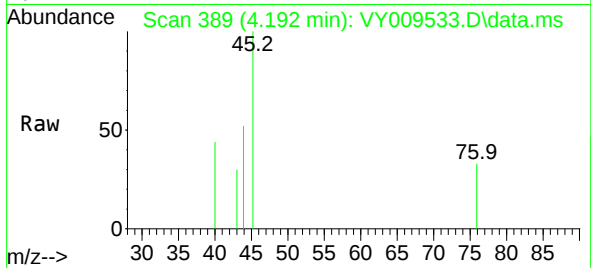




#17
Carbon Disulfide
Concen: 4.428 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.006 min
Lab File: VY009533.D
Acq: 12 Jul 2022 15:25

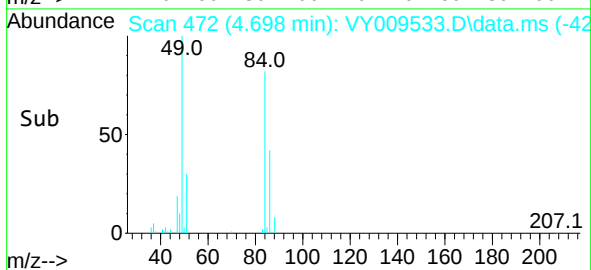
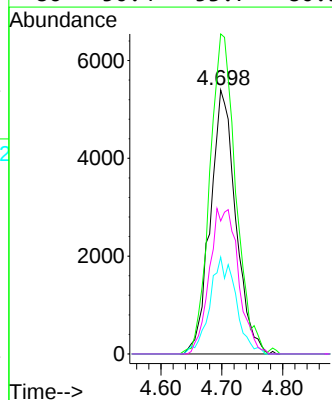
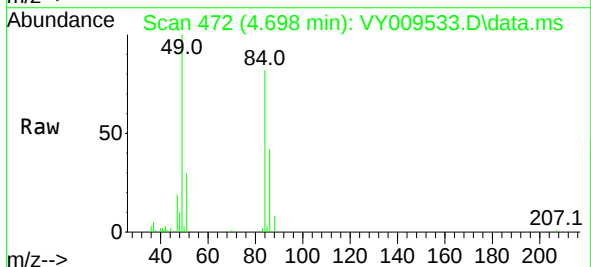
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-070822

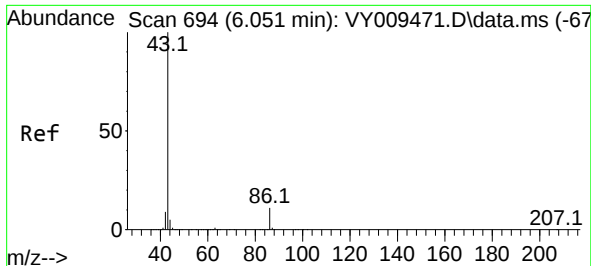
Tgt Ion: 76 Resp: 28
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#20
Methylene Chloride
Concen: 5.265 ug/l
RT: 4.698 min Scan# 472
Delta R.T. -0.006 min
Lab File: VY009533.D
Acq: 12 Jul 2022 15:25

Tgt Ion: 84 Resp: 15606
Ion Ratio Lower Upper
84 100
49 121.2 114.4 171.6
51 36.6 35.3 52.9
86 50.4 53.7 80.5#

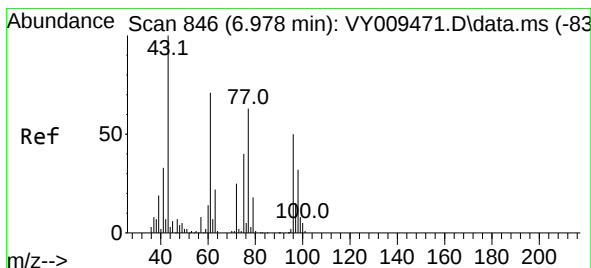
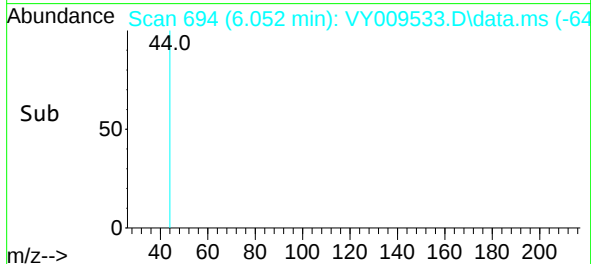
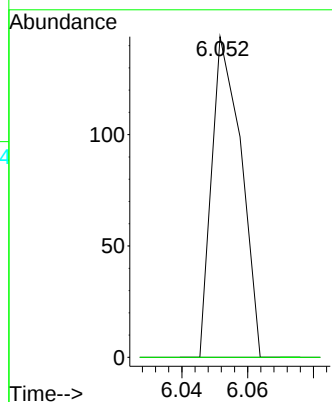
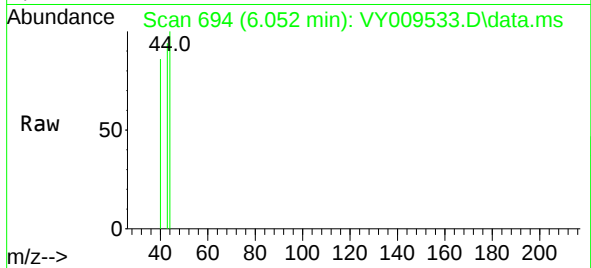




#23
 Vinyl Acetate
 Concen: Below Cal
 RT: 6.052 min Scan# 64
 Delta R.T. 0.001 min
 Lab File: VY009533.D
 Acq: 12 Jul 2022 15:25

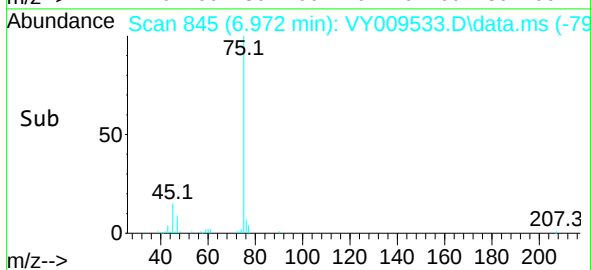
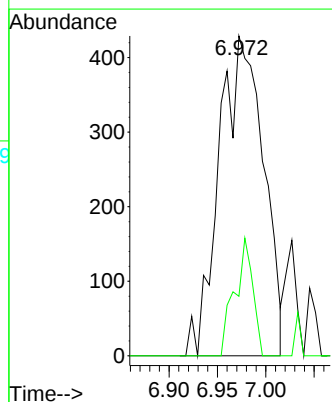
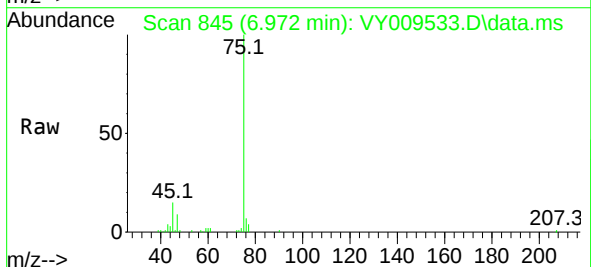
Instrument :
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 ClientSampleId :
 TR-04-070822

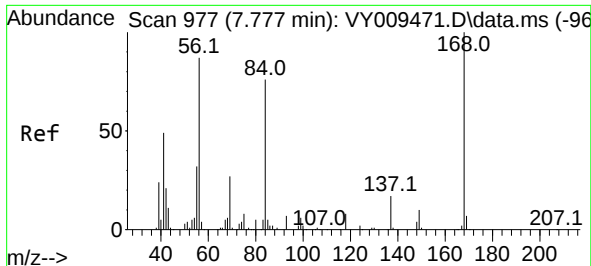
Tgt Ion: 43 Resp: 89
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#25
 2-Butanone
 Concen: 2.434 ug/l
 RT: 6.972 min Scan# 845
 Delta R.T. -0.006 min
 Lab File: VY009533.D
 Acq: 12 Jul 2022 15:25

Tgt Ion: 43 Resp: 1367
 Ion Ratio Lower Upper
 43 100
 72 18.6 17.7 26.5

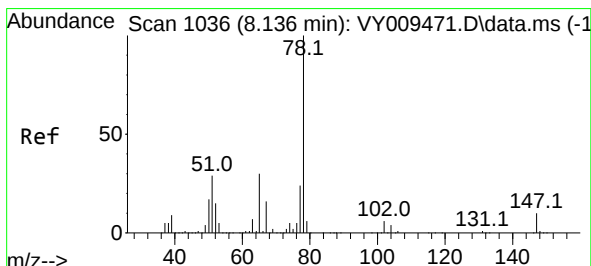
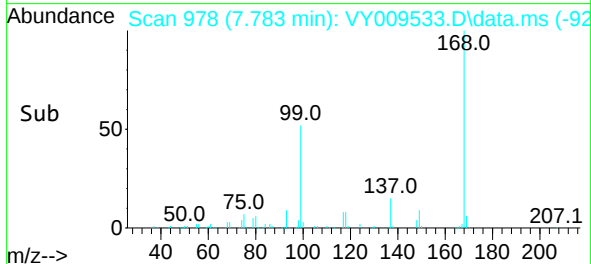
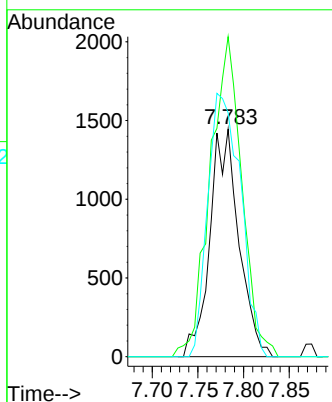
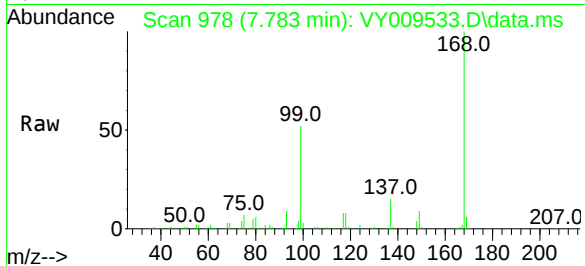




#31
Cyclohexane
Concen: 1.356 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009533.D
Acq: 12 Jul 2022 15:25

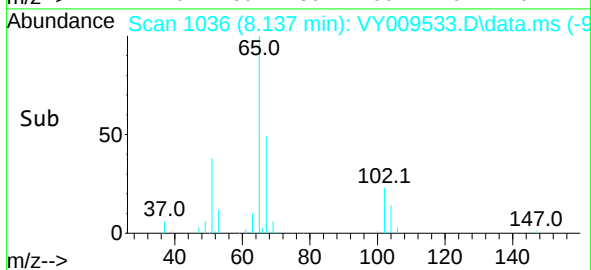
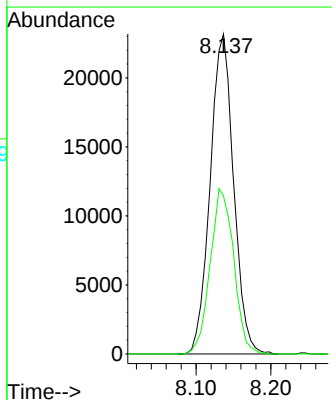
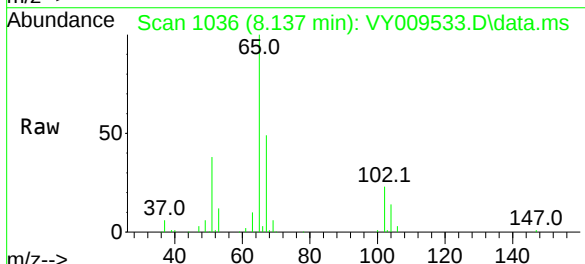
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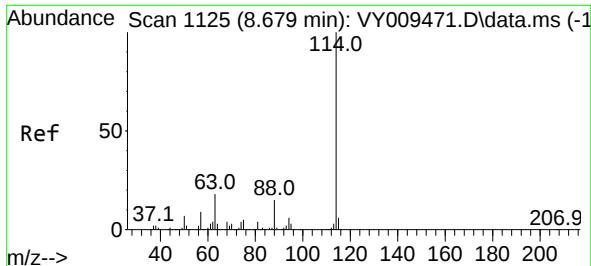
Tgt Ion: 56 Resp: 3175
Ion Ratio Lower Upper
56 100
69 140.7 26.7 40.1#
84 107.3 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 50.398 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY009533.D
Acq: 12 Jul 2022 15:25

Tgt Ion: 65 Resp: 50613
Ion Ratio Lower Upper
65 100
67 51.8 0.0 99.4

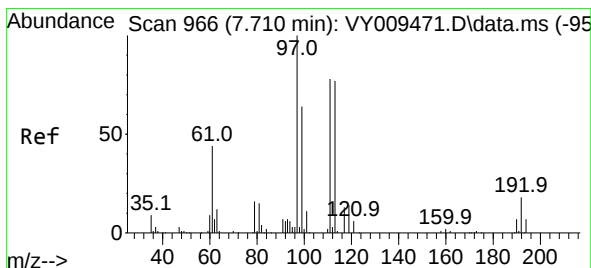
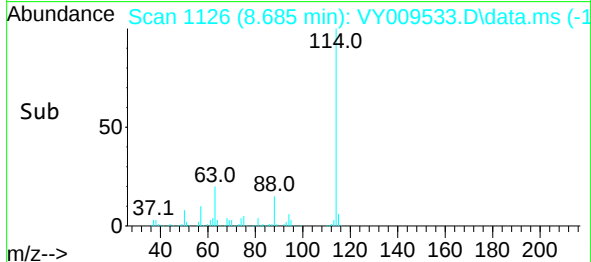
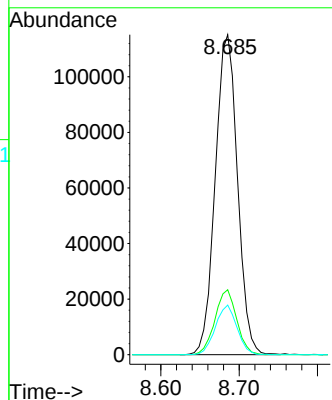
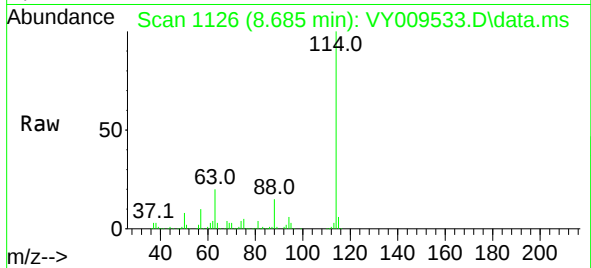




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1125
Delta R.T. 0.006 min
Lab File: VY009533.D
Acq: 12 Jul 2022 15:25

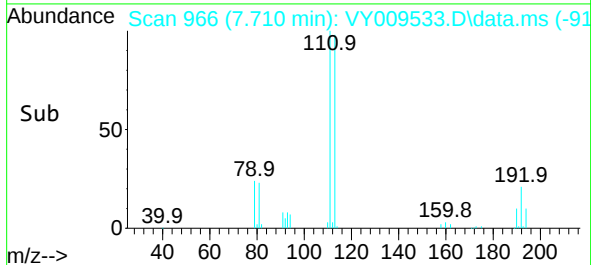
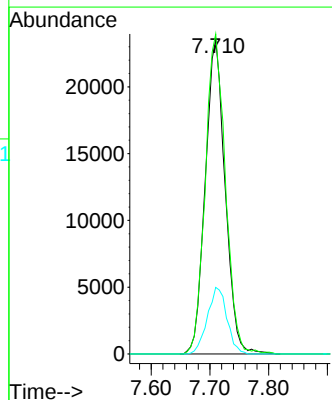
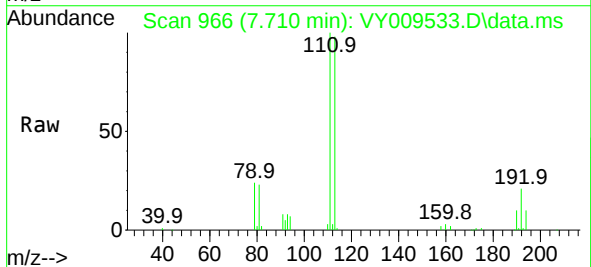
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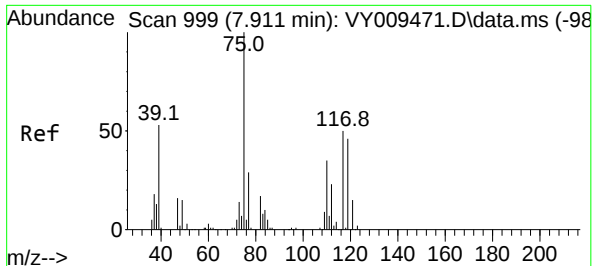
Tgt Ion:114 Resp: 227158
Ion Ratio Lower Upper
114 100
63 20.3 0.0 43.2
88 15.5 0.0 31.8



#35
Dibromofluoromethane
Concen: 46.079 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY009533.D
Acq: 12 Jul 2022 15:25

Tgt Ion:113 Resp: 55075
Ion Ratio Lower Upper
113 100
111 103.7 82.6 124.0
192 20.9 17.6 26.4

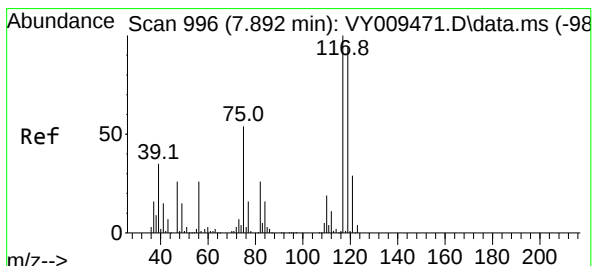
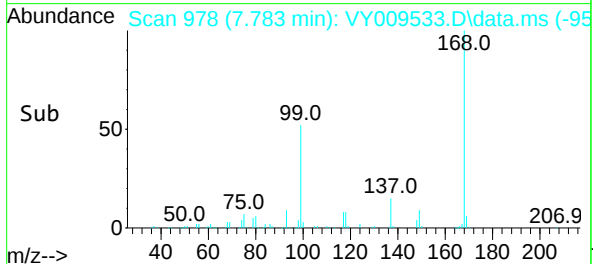
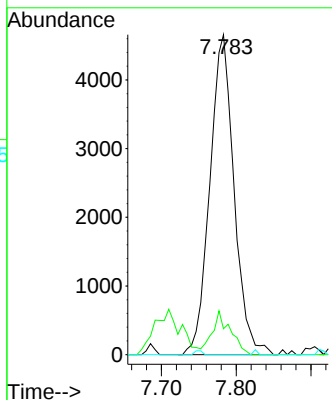
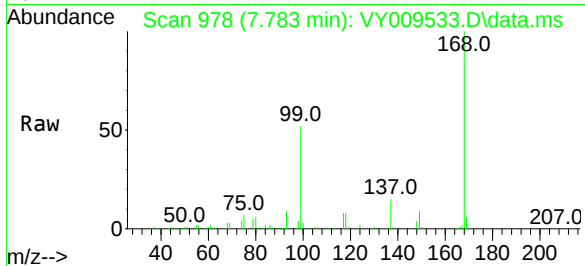




#36
1,1-Dichloropropene
Concen: 5.390 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY009533.D
Acq: 12 Jul 2022 15:25

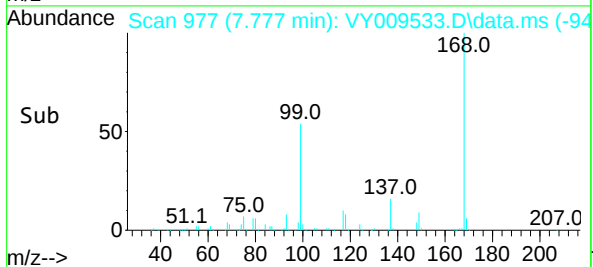
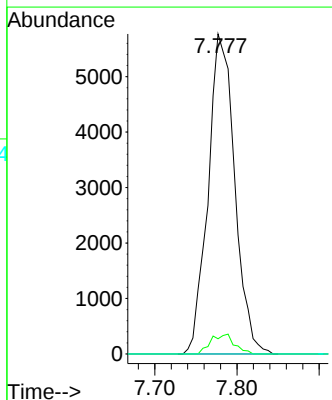
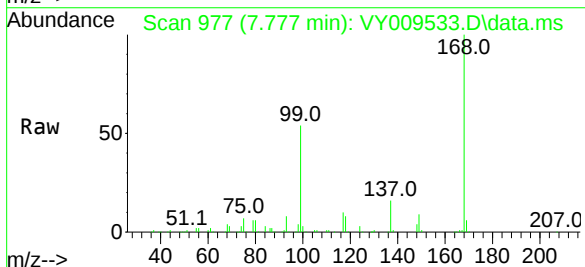
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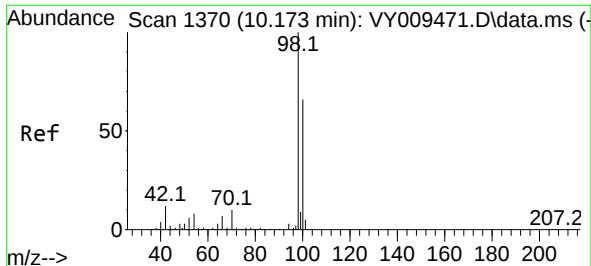
Tgt Ion: 75 Resp: 10489
Ion Ratio Lower Upper
75 100
110 10.3 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.252 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.115 min
Lab File: VY009533.D
Acq: 12 Jul 2022 15:25

Tgt Ion: 117 Resp: 13011
Ion Ratio Lower Upper
117 100
119 4.7 77.9 116.9#
121 0.0 24.8 37.2#

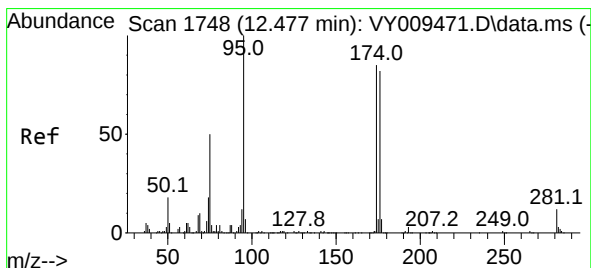
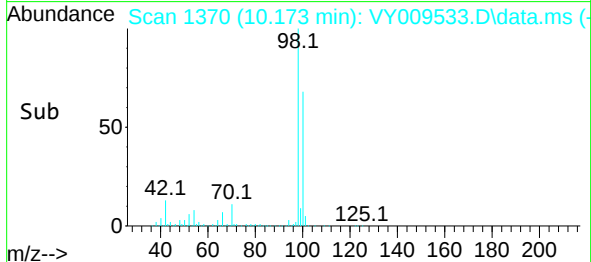
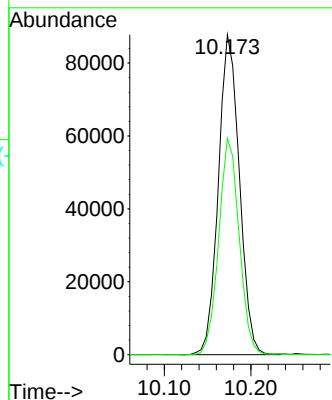
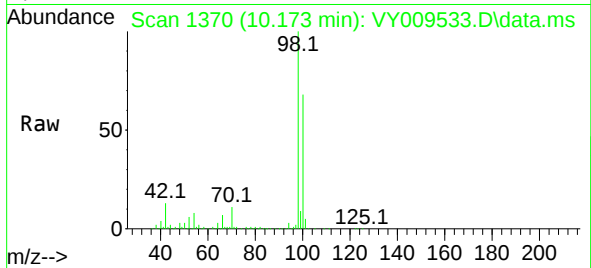




#50
Toluene-d8
Concen: 44.234 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009533.D
Acq: 12 Jul 2022 15:25

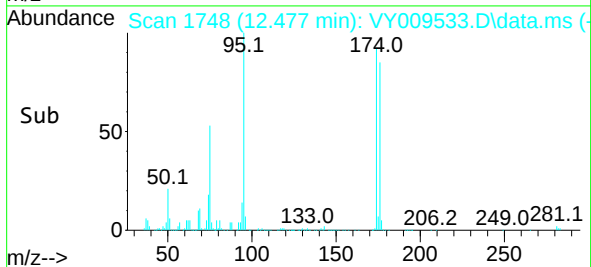
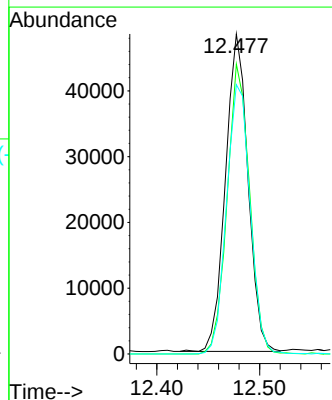
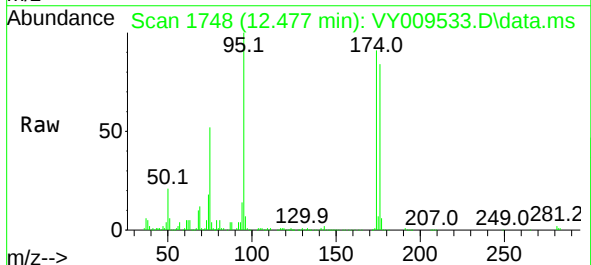
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-070822

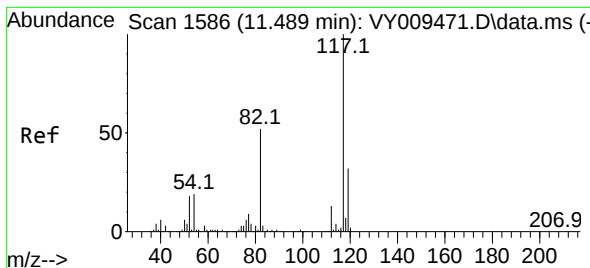
Tgt Ion: 98 Resp: 148025
Ion Ratio Lower Upper
98 100
100 65.9 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 43.626 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009533.D
Acq: 12 Jul 2022 15:25

Tgt Ion: 95 Resp: 73604
Ion Ratio Lower Upper
95 100
174 90.8 0.0 177.0
176 88.8 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.484 min Scan# 11

Delta R.T. -0.005 min

Lab File: VY009533.D

Acq: 12 Jul 2022 15:25

Instrument :

MSVOA_Y

ClientSampleId :

TR-04-070822

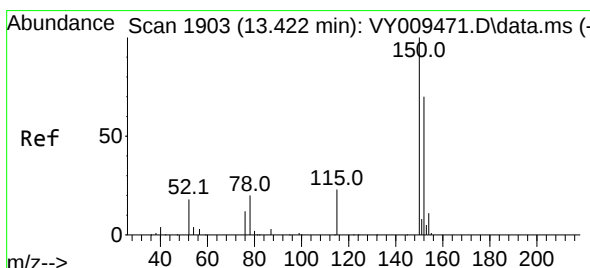
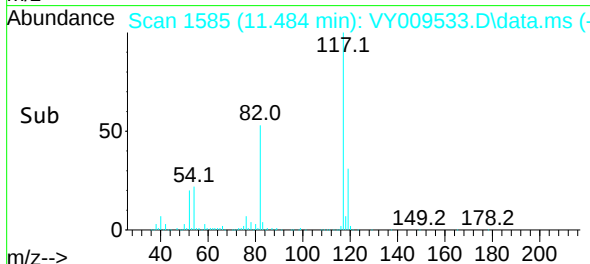
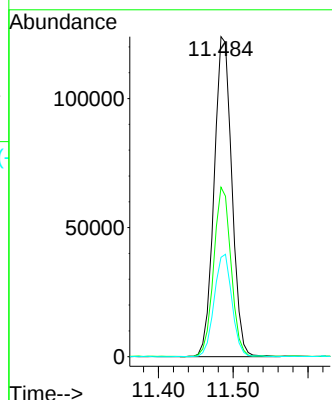
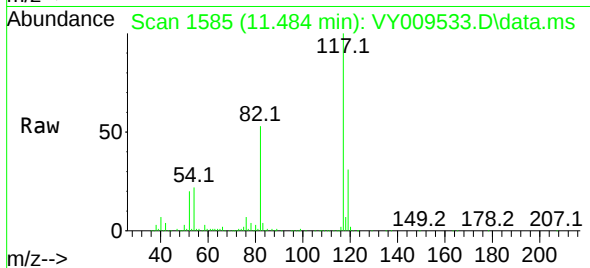
Tgt Ion:117 Resp: 204477

Ion Ratio Lower Upper

117 100

82 52.9 43.0 64.4

119 31.0 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: VY009533.D

Acq: 12 Jul 2022 15:25

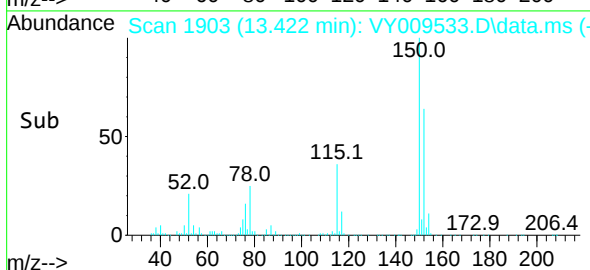
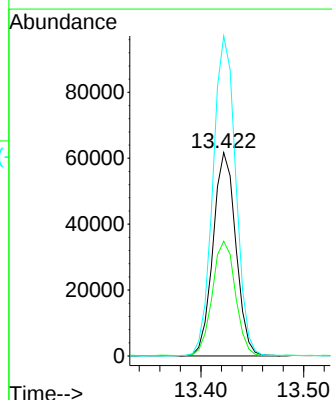
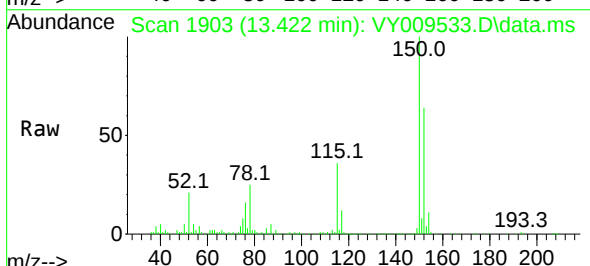
Tgt Ion:152 Resp: 94965

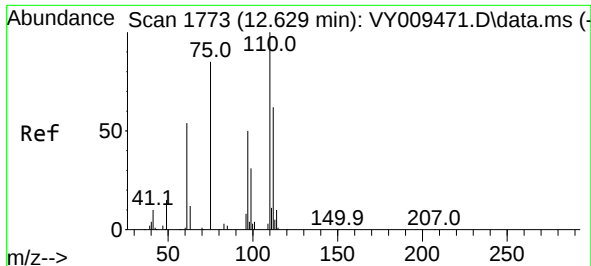
Ion Ratio Lower Upper

152 100

115 57.0 28.2 84.7

150 158.2 0.0 347.6

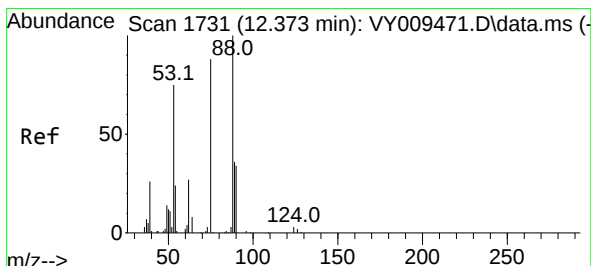
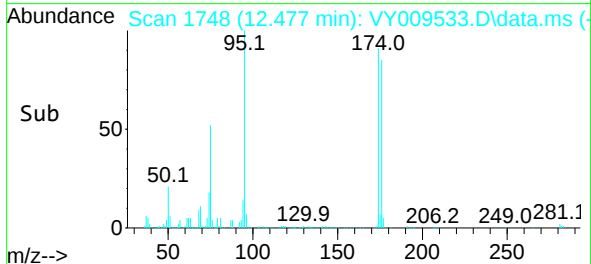
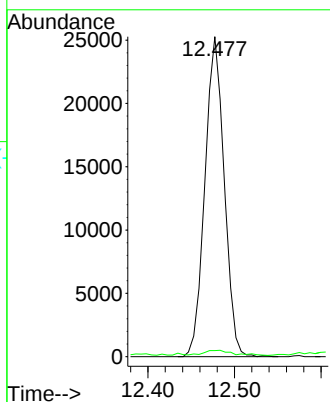
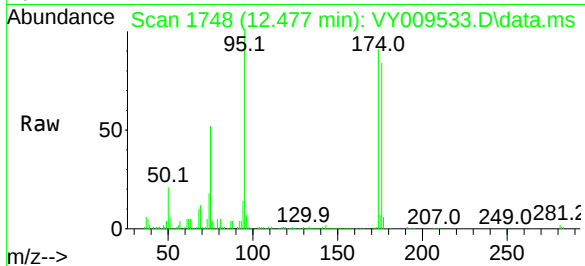




#76
1,2,3-Trichloropropane
Concen: 38.937 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY009533.D
Acq: 12 Jul 2022 15:25

Instrument :
MSVOA_Y
ClientSampleId :
TR-04-070822

Tgt Ion: 75 Resp: 39142
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.689 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009533.D
Acq: 12 Jul 2022 15:25

Tgt Ion: 75 Resp: 39142
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.3 37.0 55.4#

