

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071122\
 Data File : VY009517.D
 Acq On : 11 Jul 2022 17:49
 Operator : KP/MD
 Sample : N3643-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 12 05:04:35 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)

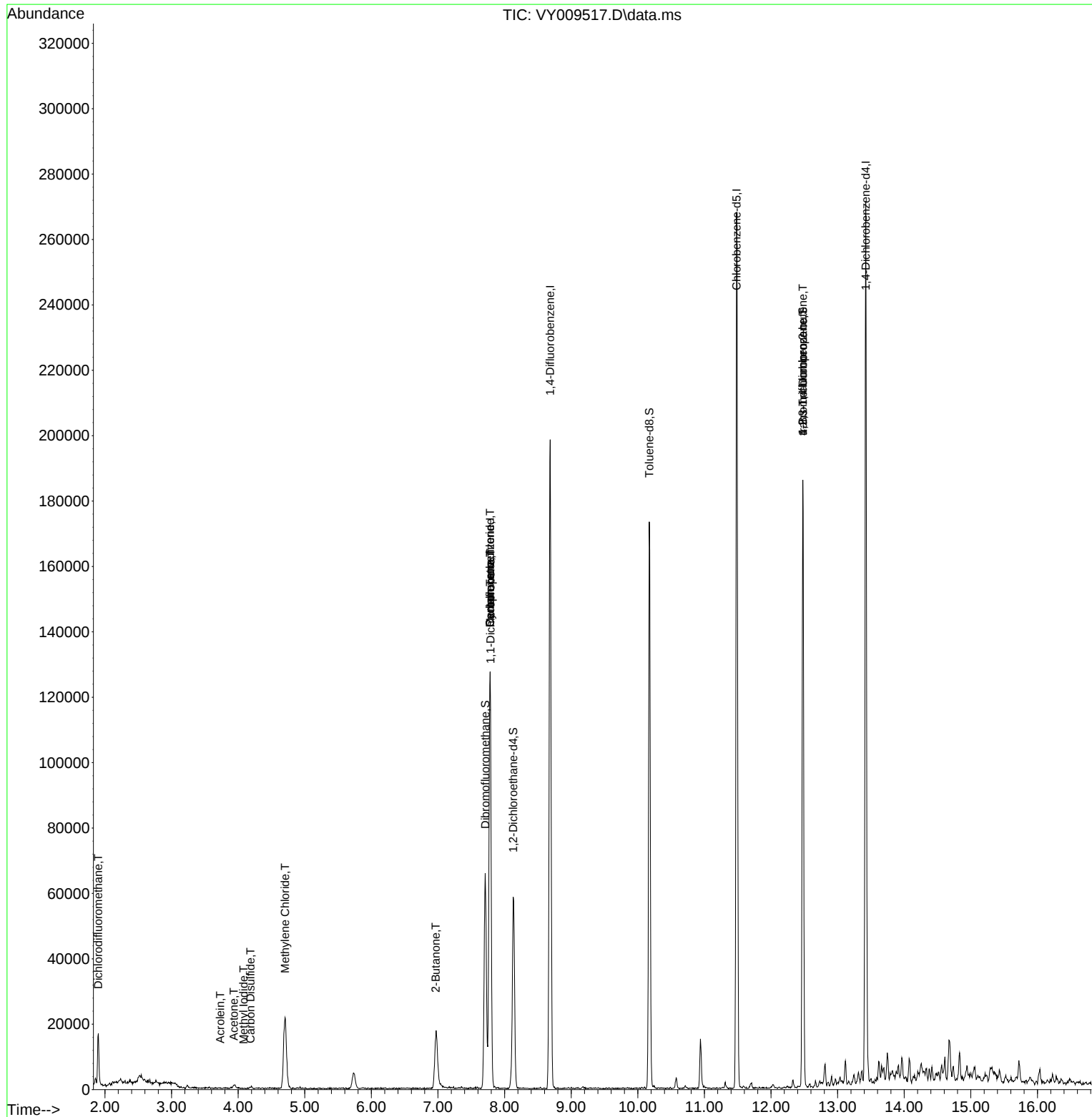
Internal Standards						
1) Pentafluorobenzene	7.783	168	103513	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	169972	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	145519	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	68261	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	43252	60.704	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.400%	
35) Dibromofluoromethane	7.710	113	45188	50.527	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.060%	
50) Toluene-d8	10.173	98	110361	44.039	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 88.080%	
62) 4-Bromofluorobenzene	12.477	95	54812	43.418	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 86.840%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	12597	15.869	ug/l	93
10) Methyl Iodide	4.082	142	70	4.214	ug/l #	35
11) Tert butyl alcohol	4.936	59	241	Below Cal	#	77
13) Acrolein	3.729	56	50	30.774	ug/l #	14
16) Acetone	3.936	43	2191	8.701	ug/l	94
17) Carbon Disulfide	4.186	76	64	4.442	ug/l #	75
20) Methylene Chloride	4.704	84	16230	9.814	ug/l	90
23) Vinyl Acetate	6.088	43	21	Below Cal	#	75
25) 2-Butanone	6.966	43	1242	3.049	ug/l #	54
31) Cyclohexane	7.783	56	2127	1.252	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	7874	5.408	ug/l #	51
38) Carbon Tetrachloride	7.783	117	10002	6.423	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	28593	39.570	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	28593	80.985	ug/l #	7

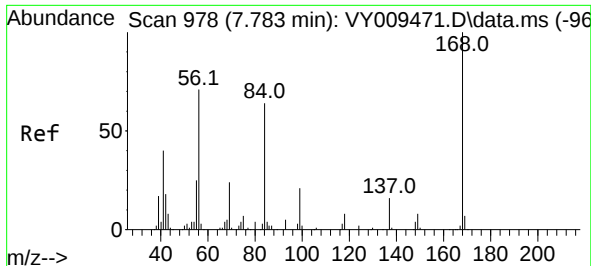
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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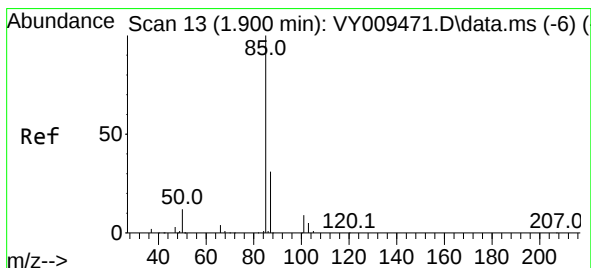
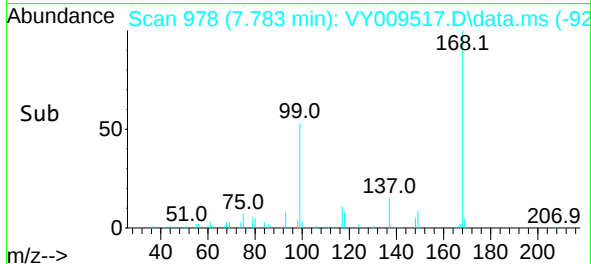
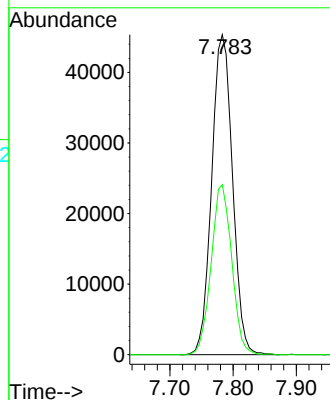
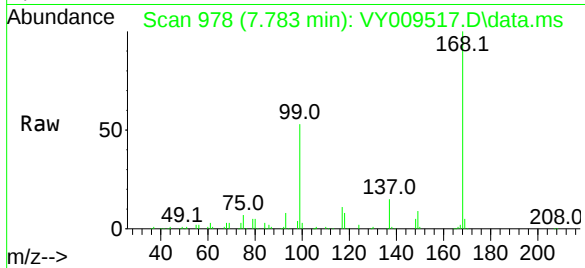




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009517.D
Acq: 11 Jul 2022 17:49

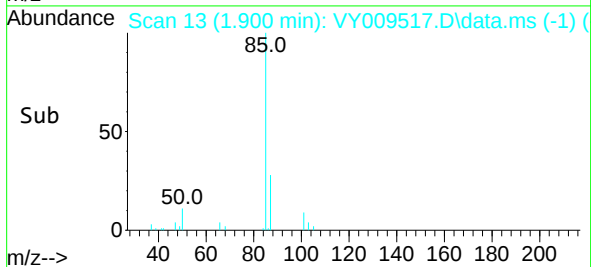
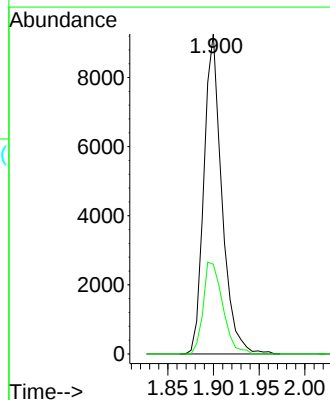
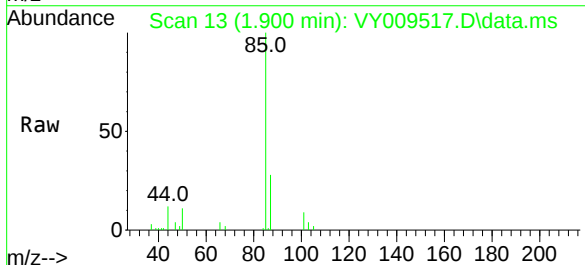
Instrument :
MSVOA_Y
ClientSampleId :

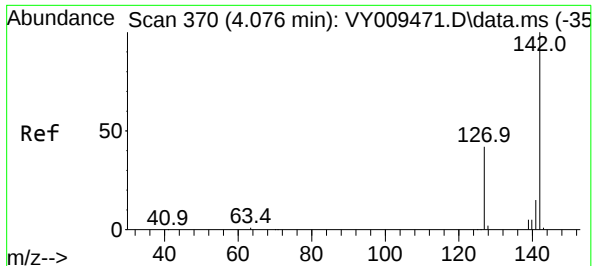
Tgt Ion:168 Resp: 103513
Ion Ratio Lower Upper
168 100
99 53.1 46.9 70.3



#2
Dichlorodifluoromethane
Concen: 15.869 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY009517.D
Acq: 11 Jul 2022 17:49

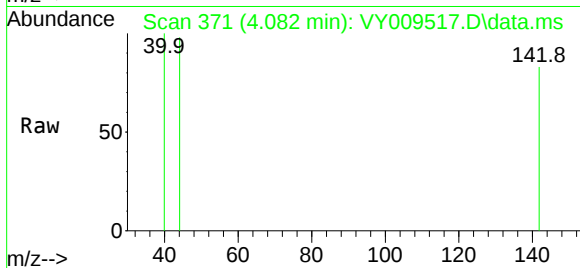
Tgt Ion: 85 Resp: 12597
Ion Ratio Lower Upper
85 100
87 28.1 16.1 48.2



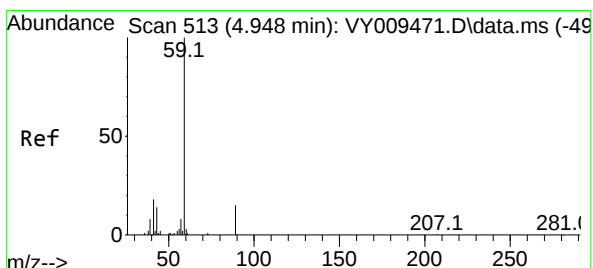
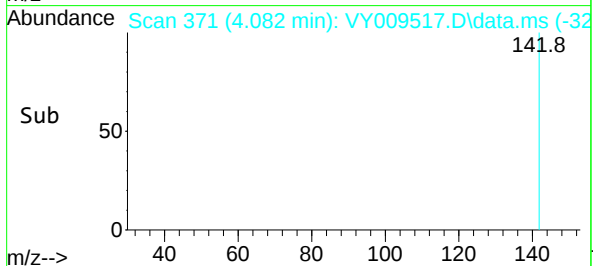
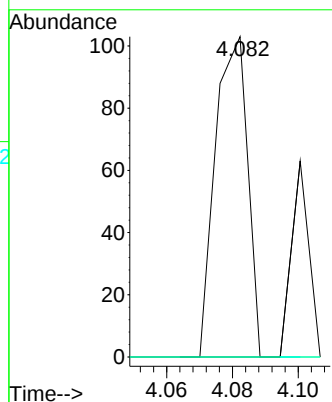


#10
Methyl Iodide
Concen: 4.214 ug/l
RT: 4.082 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY009517.D
Acq: 11 Jul 2022 17:49

Instrument :
MSVOA_Y
ClientSampleId :

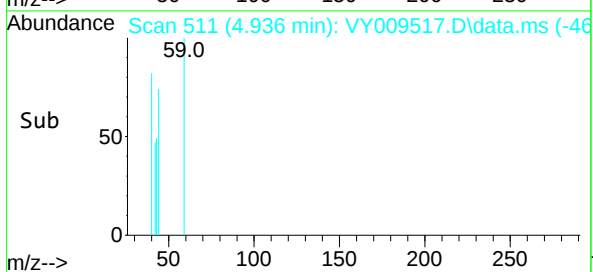
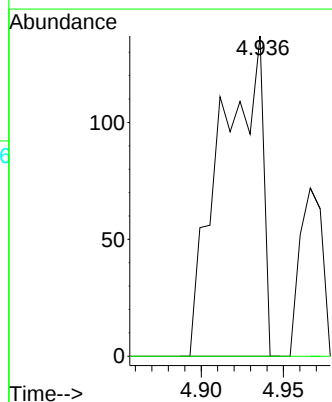
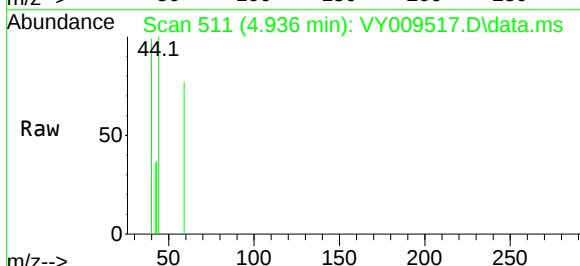


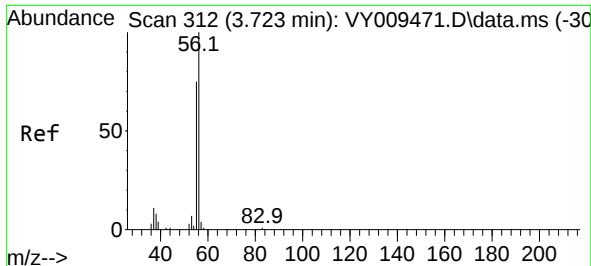
Tgt Ion:142 Resp: 70
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY009517.D
Acq: 11 Jul 2022 17:49

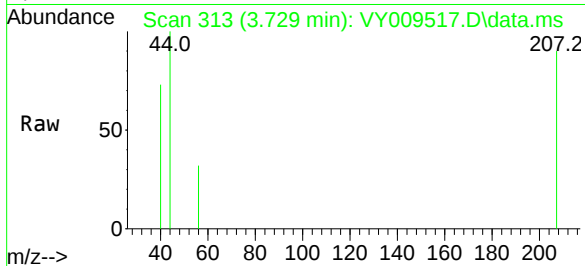
Tgt Ion: 59 Resp: 241
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



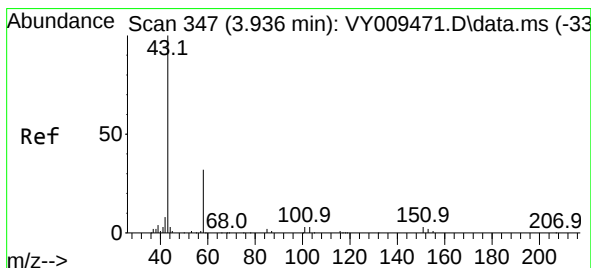
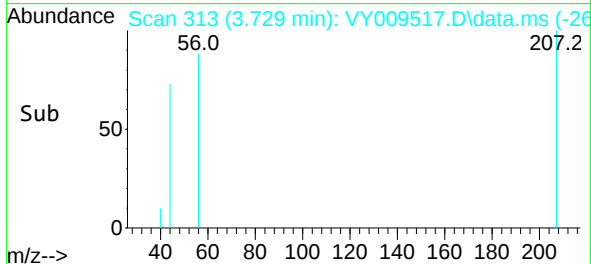
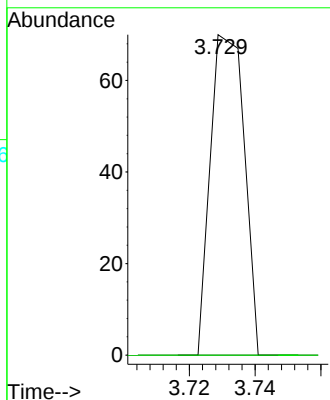


#13
Acrolein
Concen: 30.774 ug/l
RT: 3.729 min Scan# 312
Delta R.T. 0.006 min
Lab File: VY009517.D
Acq: 11 Jul 2022 17:49

Instrument :
MSVOA_Y
ClientSampleId :

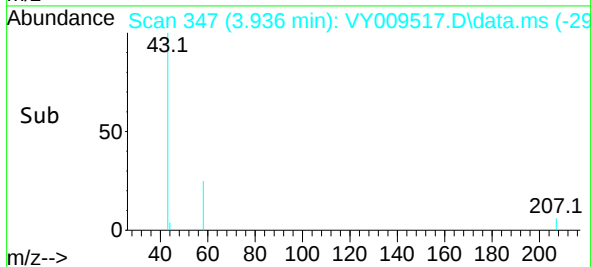
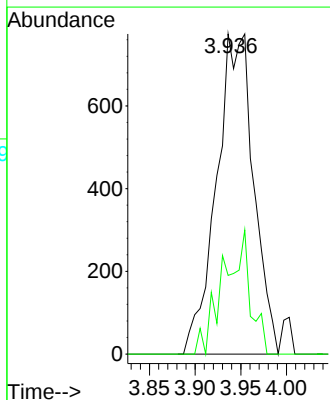
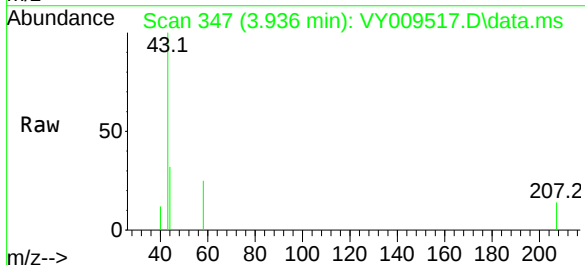


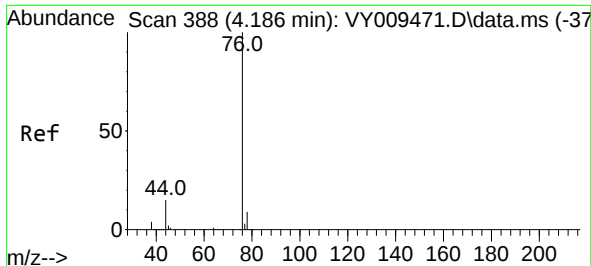
Tgt Ion: 56 Resp: 50
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#



#16
Acetone
Concen: 8.701 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.000 min
Lab File: VY009517.D
Acq: 11 Jul 2022 17:49

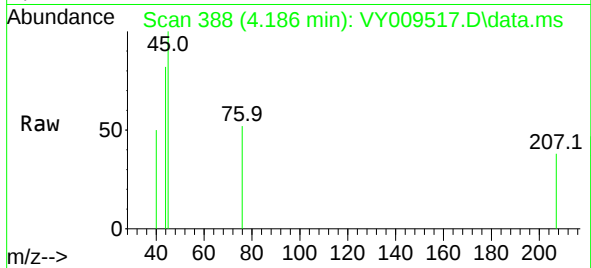
Tgt Ion: 43 Resp: 2191
Ion Ratio Lower Upper
43 100
58 24.5 22.0 33.0



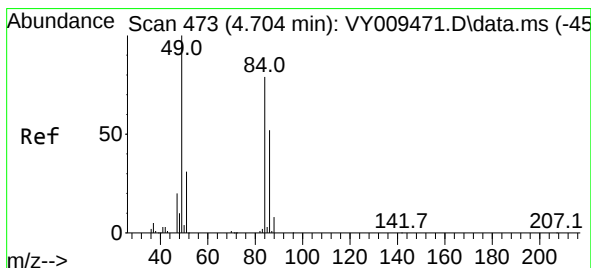
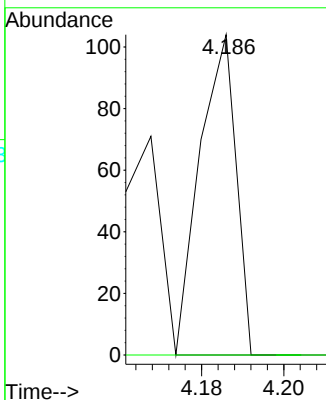
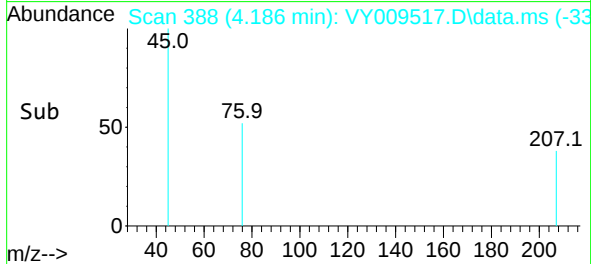


#17
Carbon Disulfide
Concen: 4.442 ug/l
RT: 4.186 min Scan# 388
Delta R.T. -0.000 min
Lab File: VY009517.D
Acq: 11 Jul 2022 17:49

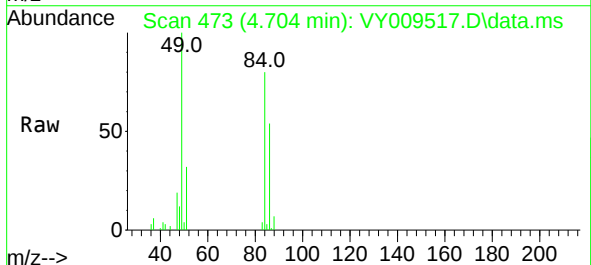
Instrument :
MSVOA_Y
ClientSampleId :



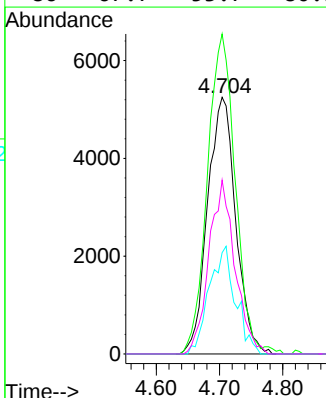
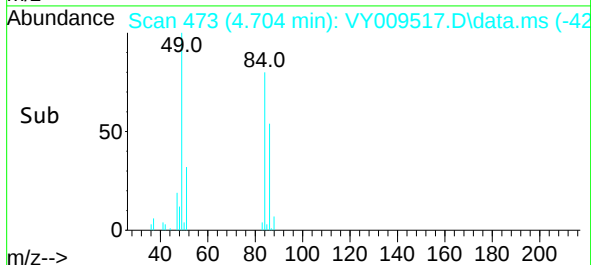
Tgt Ion: 76 Resp: 64
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

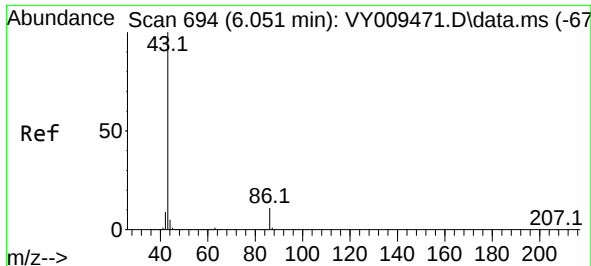


#20
Methylene Chloride
Concen: 9.814 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY009517.D
Acq: 11 Jul 2022 17:49



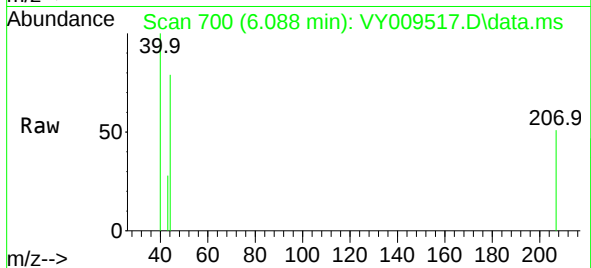
Tgt Ion: 84 Resp: 16230
Ion Ratio Lower Upper
84 100
49 124.7 114.4 171.6
51 39.5 35.3 52.9
86 67.7 53.7 80.5



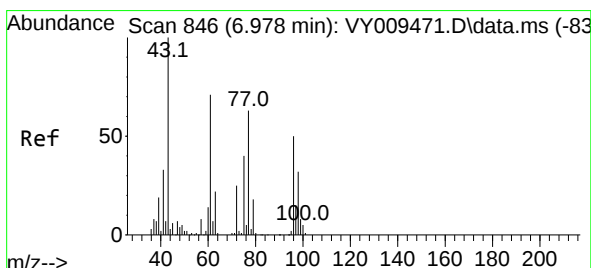
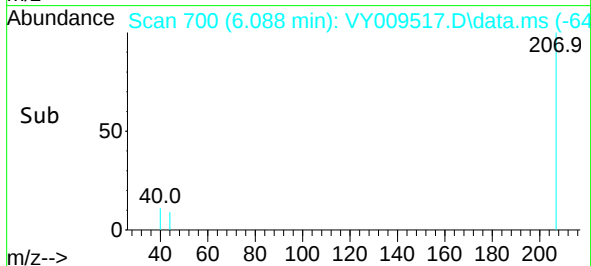
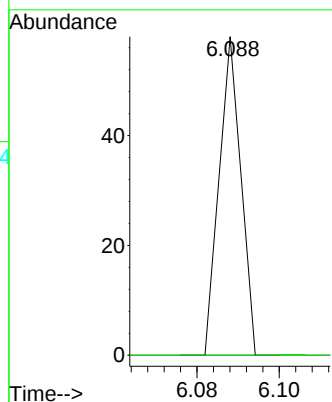


#23
 Vinyl Acetate
 Concen: Below Cal
 RT: 6.088 min Scan# 70
 Delta R.T. 0.037 min
 Lab File: VY009517.D
 Acq: 11 Jul 2022 17:49

Instrument :
 MSVOA_Y
 ClientSampleId :

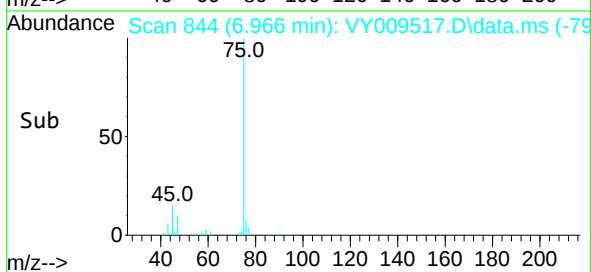
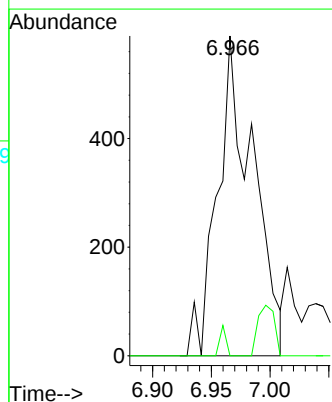
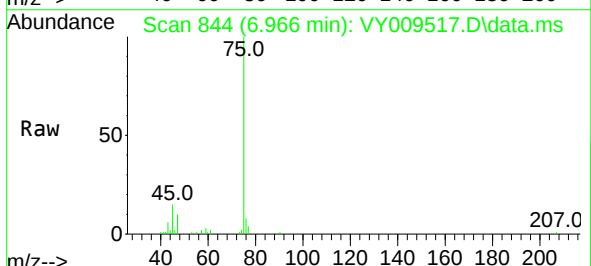


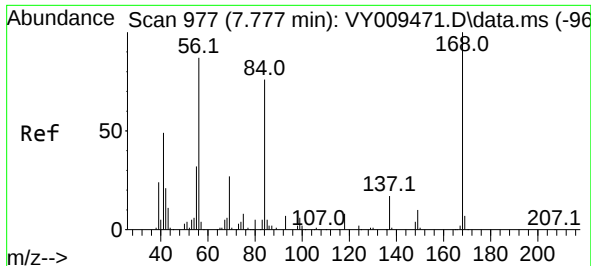
Tgt Ion: 43 Resp: 21
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#25
 2-Butanone
 Concen: 3.049 ug/l
 RT: 6.966 min Scan# 844
 Delta R.T. -0.012 min
 Lab File: VY009517.D
 Acq: 11 Jul 2022 17:49

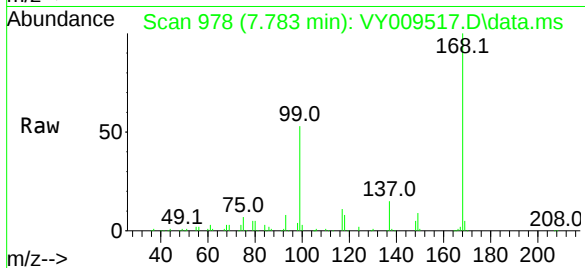
Tgt Ion: 43 Resp: 1242
 Ion Ratio Lower Upper
 43 100
 72 0.0 17.7 26.5#



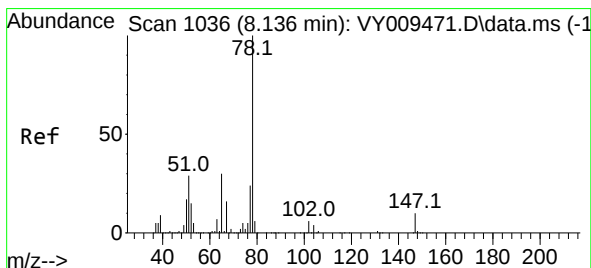
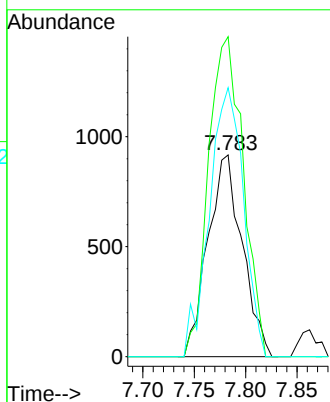
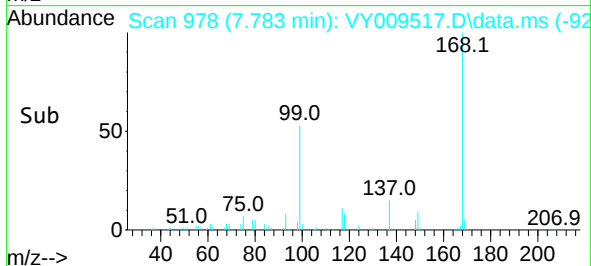


#31
Cyclohexane
Concen: 1.252 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009517.D
Acq: 11 Jul 2022 17:49

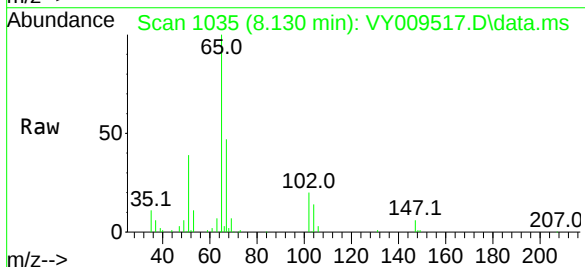
Instrument :
MSVOA_Y
ClientSampleId :



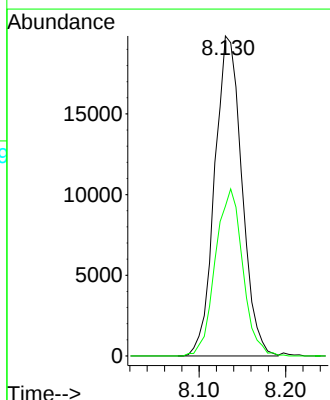
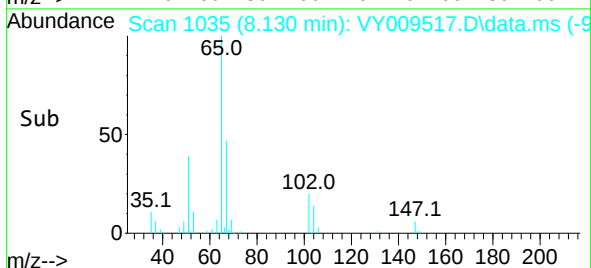
Tgt Ion: 56 Resp: 2127
Ion Ratio Lower Upper
56 100
69 158.7 26.7 40.1#
84 133.4 67.2 100.8#

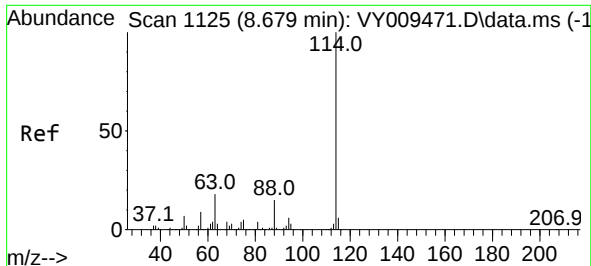


#33
1,2-Dichloroethane-d4
Concen: 60.704 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VY009517.D
Acq: 11 Jul 2022 17:49



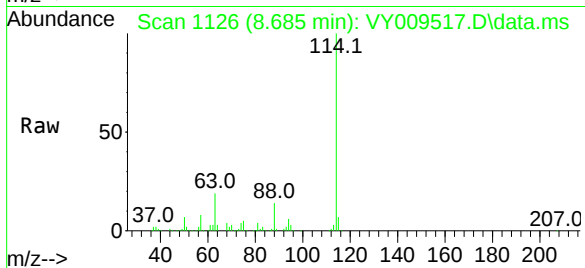
Tgt Ion: 65 Resp: 43252
Ion Ratio Lower Upper
65 100
67 52.6 0.0 99.4



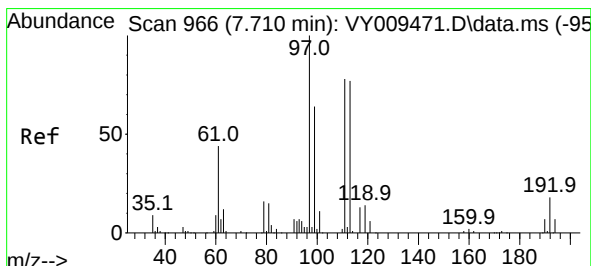
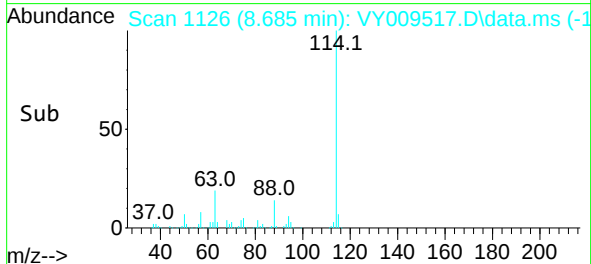
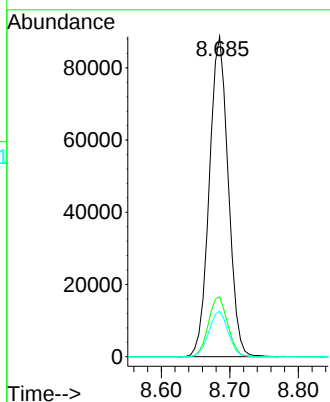


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1125
Delta R.T. 0.006 min
Lab File: VY009517.D
Acq: 11 Jul 2022 17:49

Instrument :
MSVOA_Y
ClientSampleId :

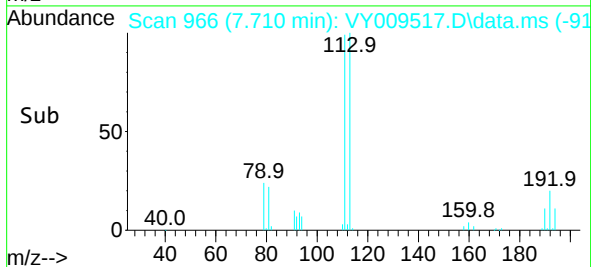
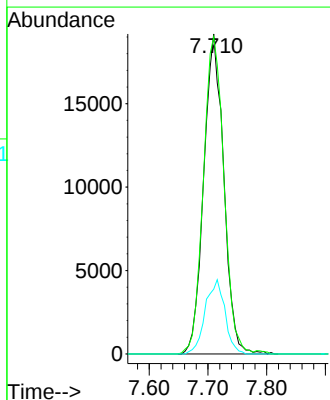
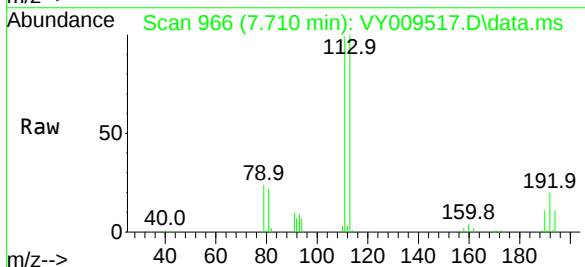


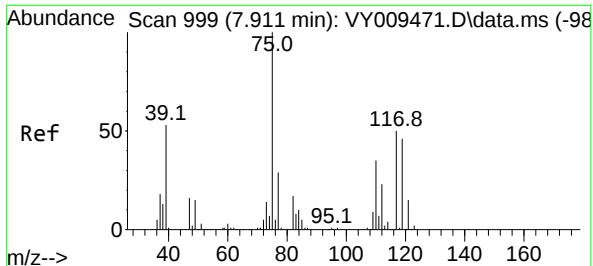
Tgt Ion:114 Resp: 169972
Ion Ratio Lower Upper
114 100
63 18.7 0.0 43.2
88 14.2 0.0 31.8



#35
Dibromofluoromethane
Concen: 50.527 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY009517.D
Acq: 11 Jul 2022 17:49

Tgt Ion:113 Resp: 45188
Ion Ratio Lower Upper
113 100
111 102.1 82.6 124.0
192 22.8 17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.408 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY009517.D

Acq: 11 Jul 2022 17:49

Instrument :

MSVOA_Y

ClientSampleId :

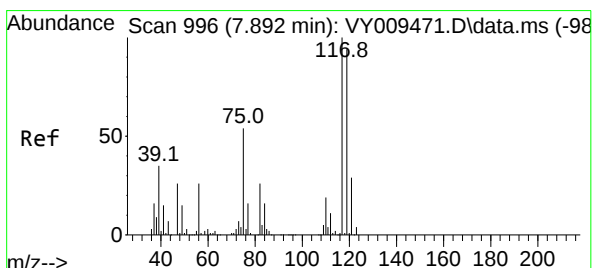
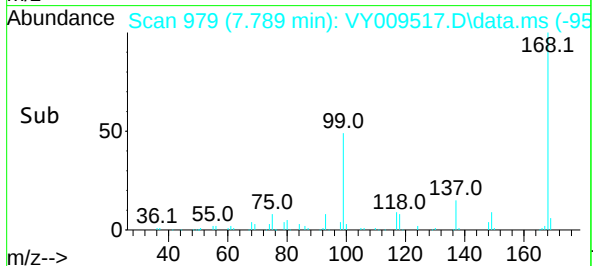
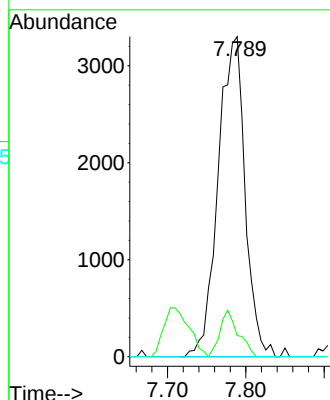
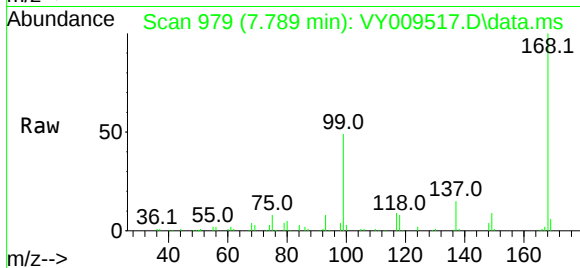
Tgt Ion: 75 Resp: 7874

Ion Ratio Lower Upper

75 100

110 9.9 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.423 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.109 min

Lab File: VY009517.D

Acq: 11 Jul 2022 17:49

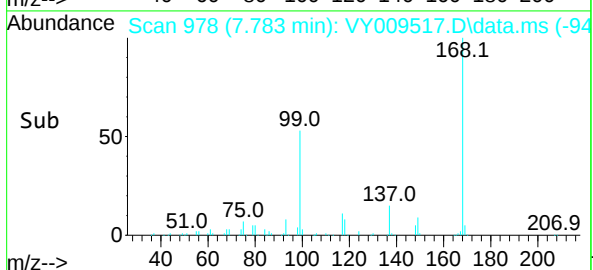
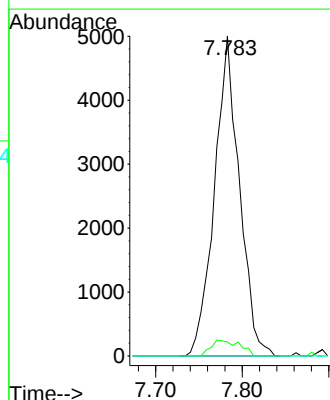
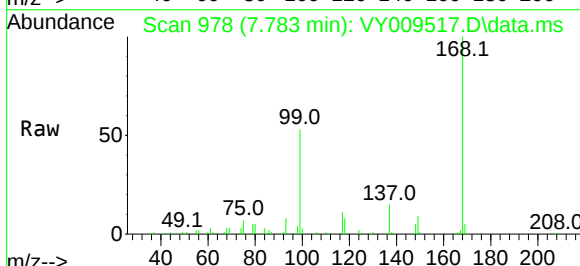
Tgt Ion: 117 Resp: 10002

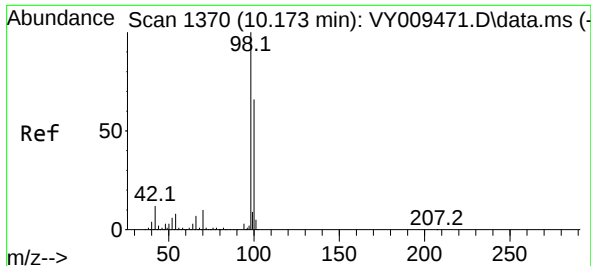
Ion Ratio Lower Upper

117 100

119 4.4 77.9 116.9#

121 0.0 24.8 37.2#

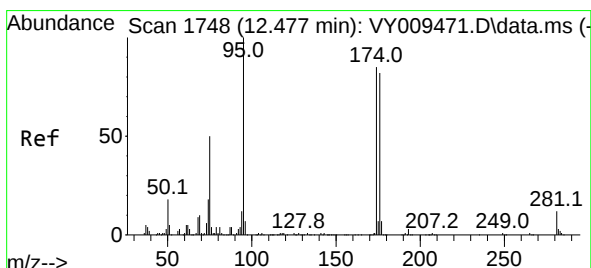
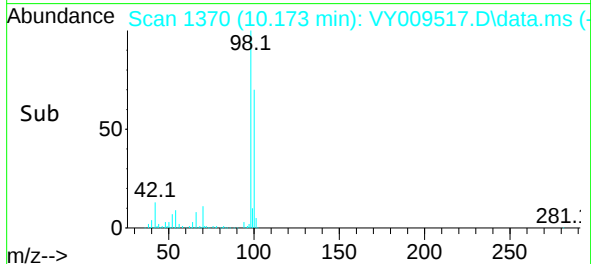
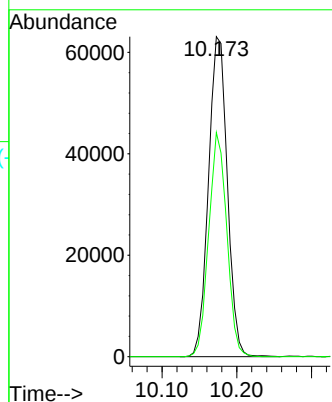
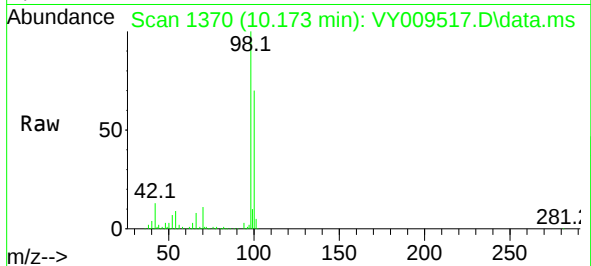




#50
Toluene-d8
Concen: 44.039 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY009517.D
Acq: 11 Jul 2022 17:49

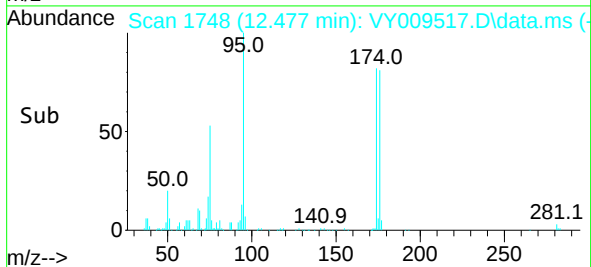
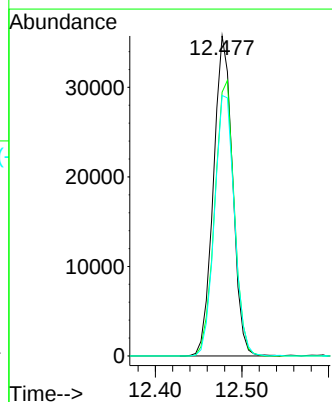
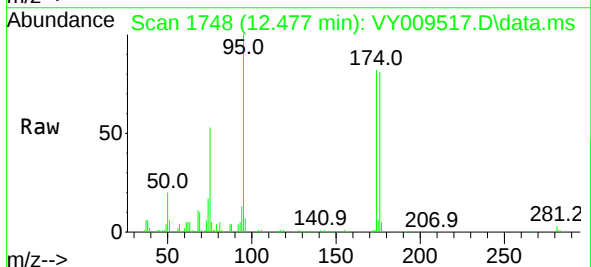
Instrument :
MSVOA_Y
ClientSampleId :

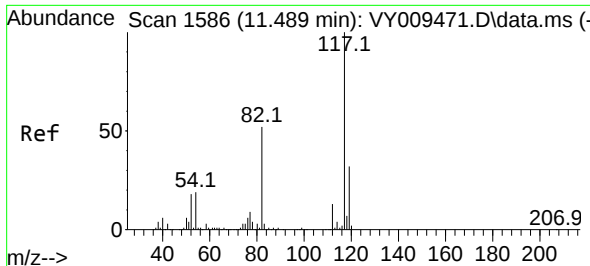
Tgt Ion: 98 Resp: 110361
Ion Ratio Lower Upper
98 100
100 67.2 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 43.418 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009517.D
Acq: 11 Jul 2022 17:49

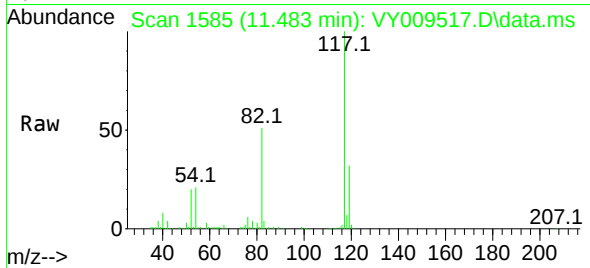
Tgt Ion: 95 Resp: 54812
Ion Ratio Lower Upper
95 100
174 87.7 0.0 177.0
176 84.6 0.0 175.8



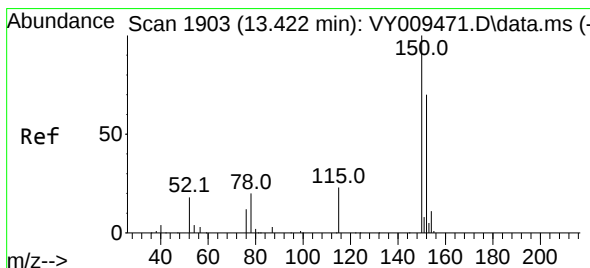
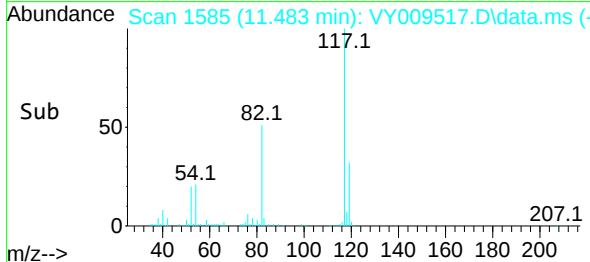
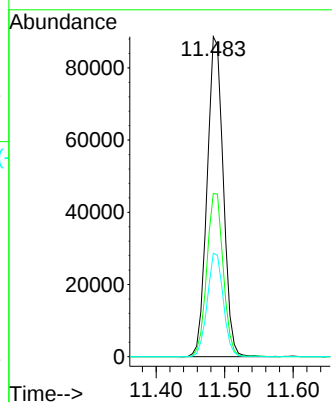


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY009517.D
Acq: 11 Jul 2022 17:49

Instrument :
MSVOA_Y
ClientSampleId :

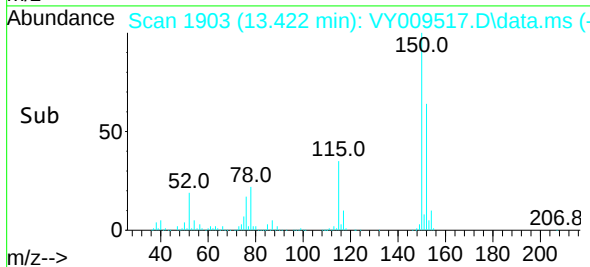
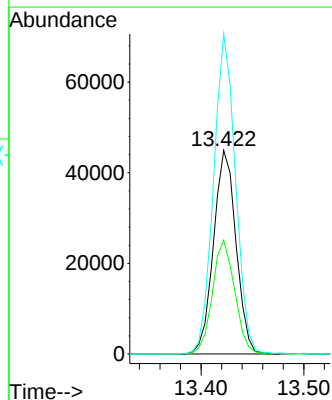
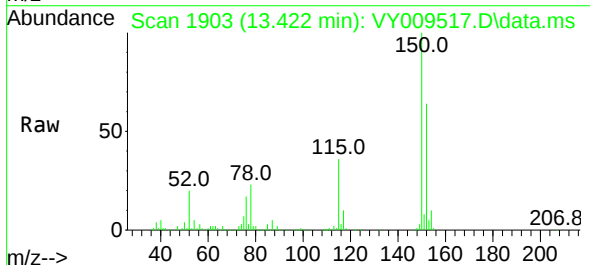


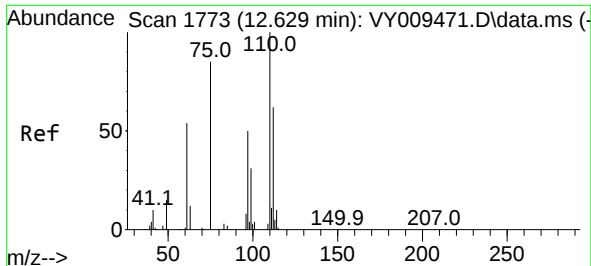
Tgt Ion:117 Resp: 145519
Ion Ratio Lower Upper
117 100
82 51.0 43.0 64.4
119 32.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009517.D
Acq: 11 Jul 2022 17:49

Tgt Ion:152 Resp: 68261
Ion Ratio Lower Upper
152 100
115 55.2 28.2 84.7
150 153.4 0.0 347.6

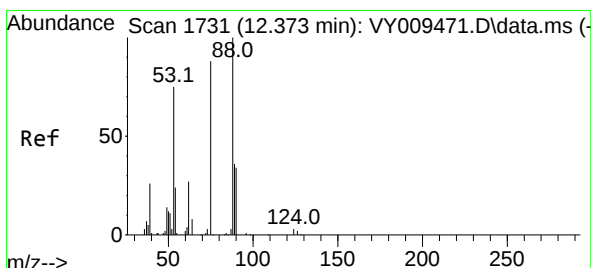
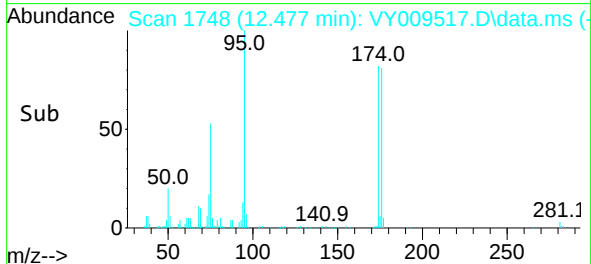
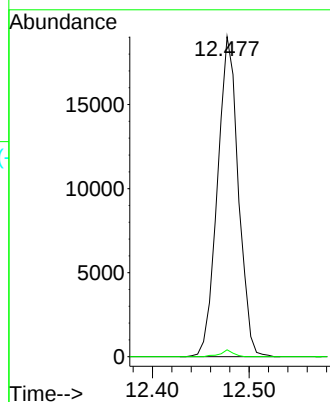
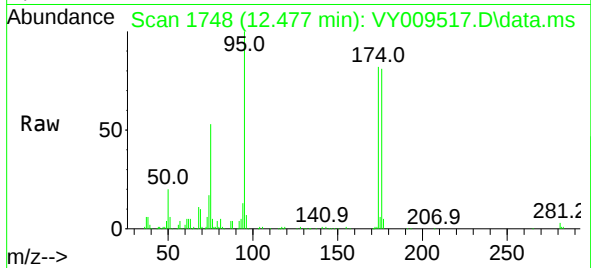




#76
1,2,3-Trichloropropane
Concen: 39.570 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.152 min
Lab File: VY009517.D
Acq: 11 Jul 2022 17:49

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 28593
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.985 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009517.D
Acq: 11 Jul 2022 17:49

Tgt Ion: 75 Resp: 28593
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

