

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071122\
 Data File : VY009519.D
 Acq On : 11 Jul 2022 18:34
 Operator : KP/MD
 Sample : N3648-04
 Misc : 4.65g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 12 05:04:53 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)

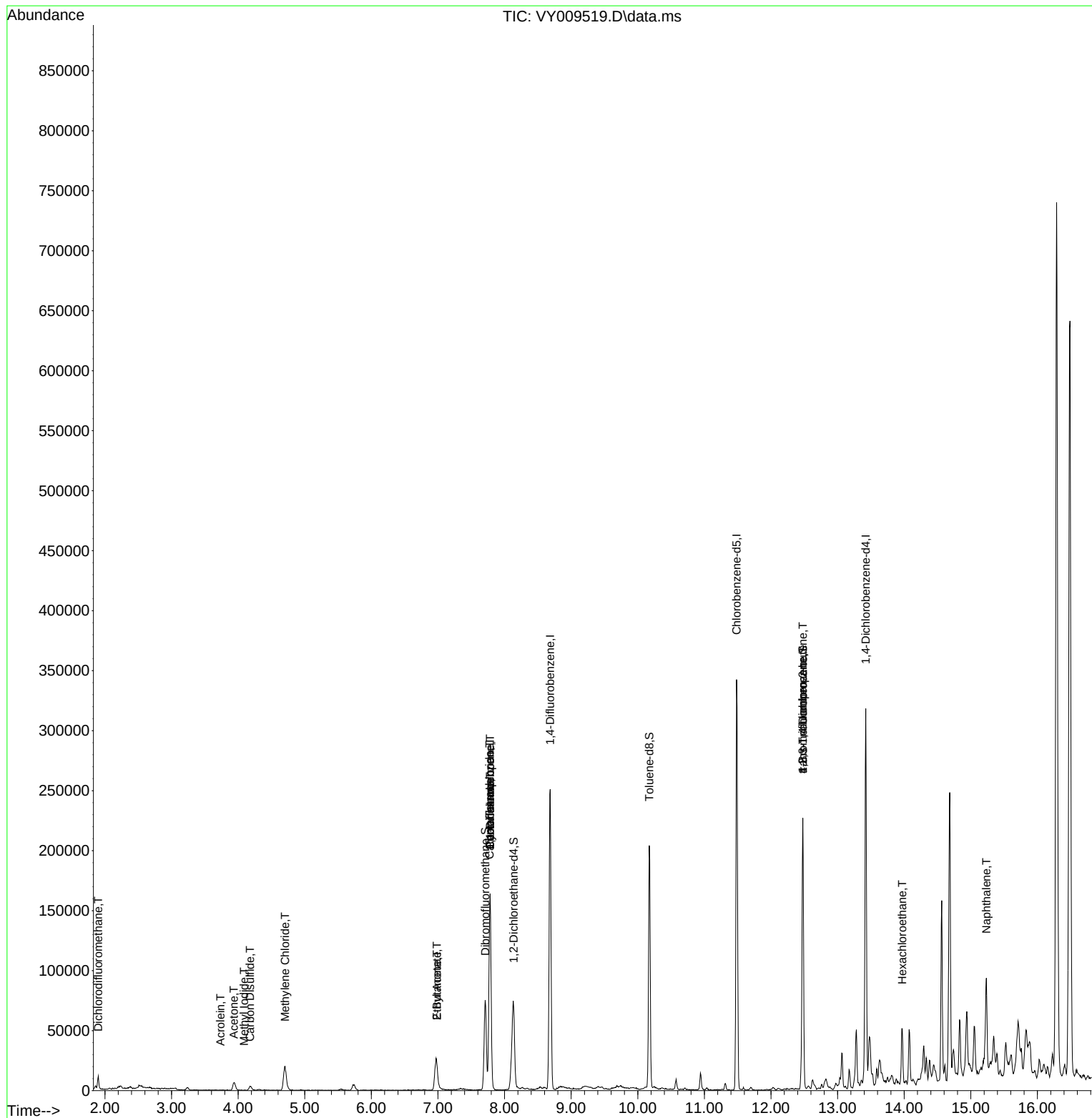
Internal Standards						
1) Pentafluorobenzene	7.783	168	130481	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	214000	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	182179	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	76955	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	46784	51.034	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.060%	
35) Dibromofluoromethane	7.710	113	51139	45.416	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 90.840%	
50) Toluene-d8	10.173	98	131087	40.999	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 82.000%	
62) 4-Bromofluorobenzene	12.477	95	62150	39.102	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 78.200%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	7524	7.519	ug/l	100
10) Methyl Iodide	4.088	142	52	4.193	ug/l #	35
11) Tert butyl alcohol	4.954	59	150	Below Cal	#	77
13) Acrolein	3.735	56	21	30.416	ug/l #	14
16) Acetone	3.936	43	11750	37.018	ug/l	98
17) Carbon Disulfide	4.180	76	5807	5.914	ug/l #	80
20) Methylene Chloride	4.704	84	14035	5.094	ug/l	86
23) Vinyl Acetate	5.991	43	78	Below Cal	#	75
25) 2-Butanone	6.984	43	3621	7.052	ug/l	98
31) Cyclohexane	7.783	56	2621	1.224	ug/l #	13
36) 1,1-Dichloropropene	7.783	75	9840	5.368	ug/l #	51
37) Ethyl Acetate	6.984	43	3621	3.151	ug/l #	51
38) Carbon Tetrachloride	7.777	117	12187	6.216	ug/l #	18
76) 1,2,3-Trichloropropane	12.477	75	32740	40.190	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	32740	82.255	ug/l #	7
90) Hexachloroethane	13.971	117	3326	3.528	ug/l #	6
95) Naphthalene	15.233	128	64626	22.117	ug/l	99

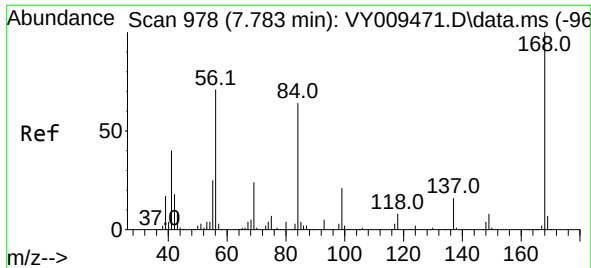
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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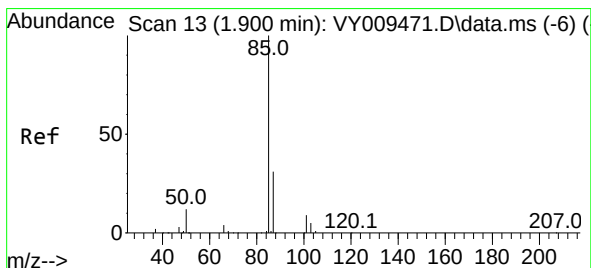
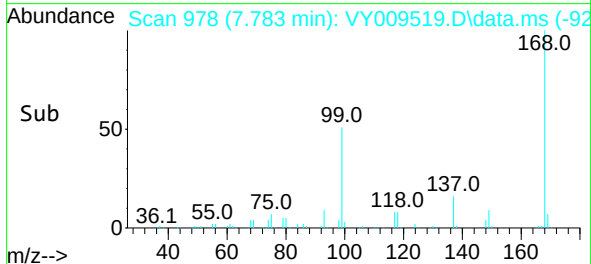
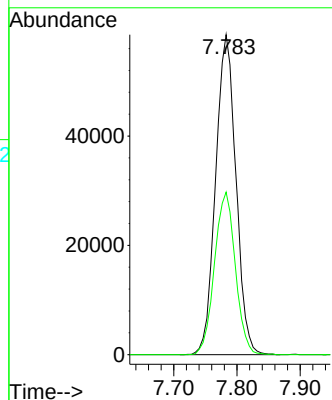
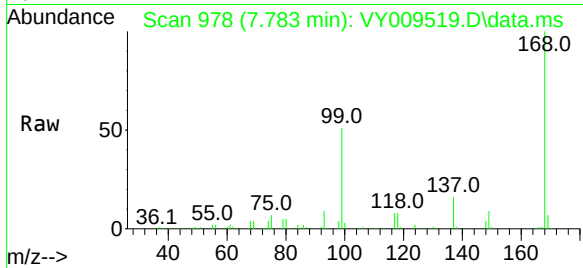




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009519.D
Acq: 11 Jul 2022 18:34

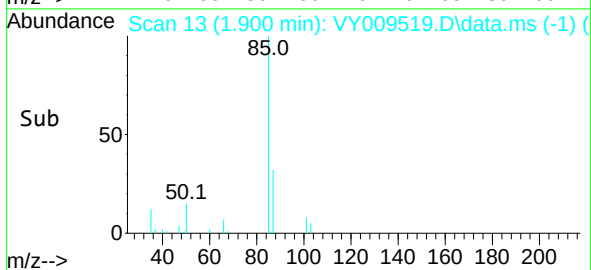
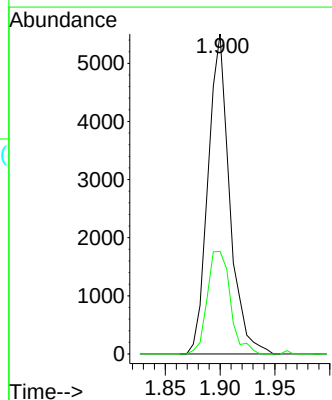
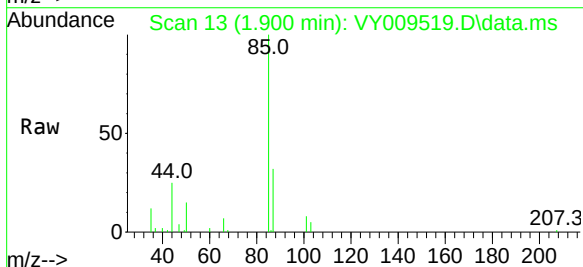
Instrument :
MSVOA_Y
ClientSampleId :

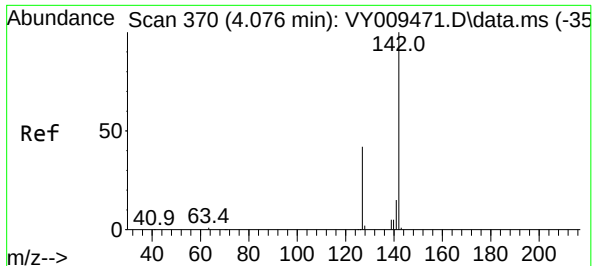
Tgt Ion:168 Resp: 130481
Ion Ratio Lower Upper
168 100
99 50.8 46.9 70.3



#2
Dichlorodifluoromethane
Concen: 7.519 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY009519.D
Acq: 11 Jul 2022 18:34

Tgt Ion: 85 Resp: 7524
Ion Ratio Lower Upper
85 100
87 32.1 16.1 48.2





#10

Methyl Iodide

Concen: 4.193 ug/l

RT: 4.088 min Scan# 31

Delta R.T. 0.012 min

Lab File: VY009519.D

Acq: 11 Jul 2022 18:34

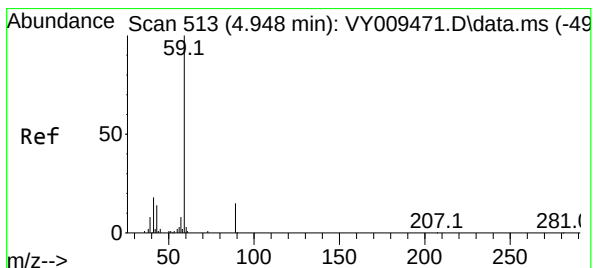
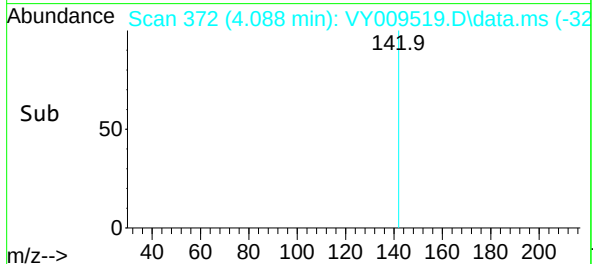
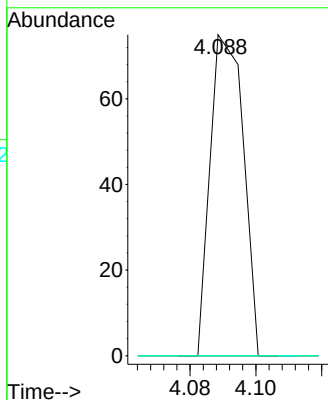
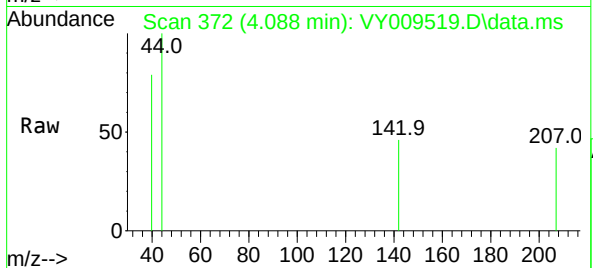
Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:142 Resp: 52

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: 4.954 min Scan# 514

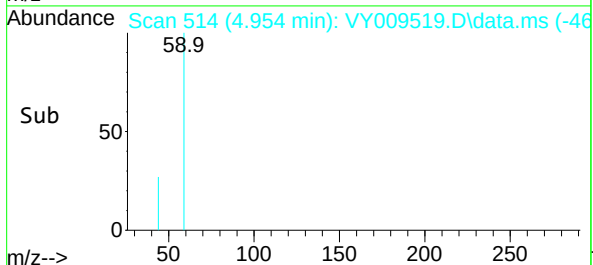
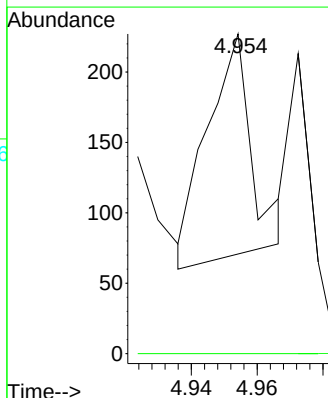
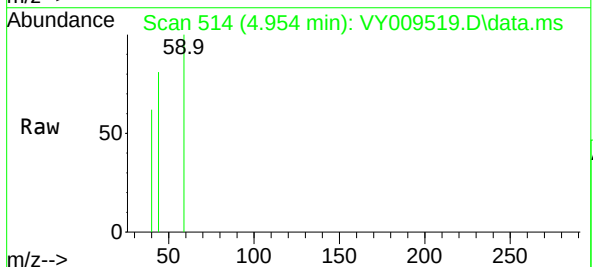
Delta R.T. 0.006 min

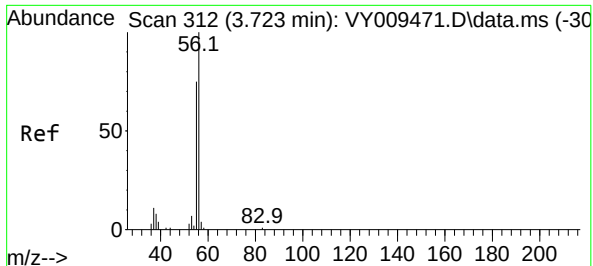
Lab File: VY009519.D

Acq: 11 Jul 2022 18:34

Tgt Ion: 59 Resp: 150

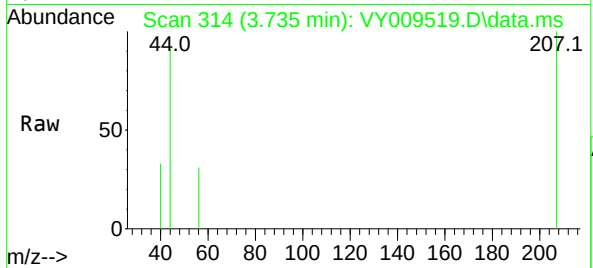
Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#



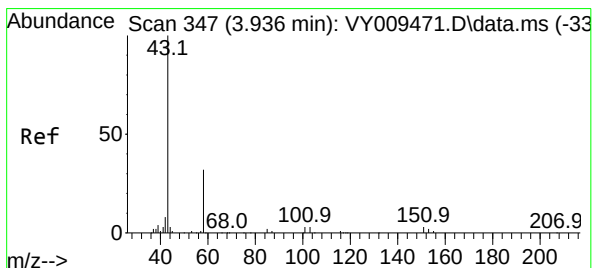
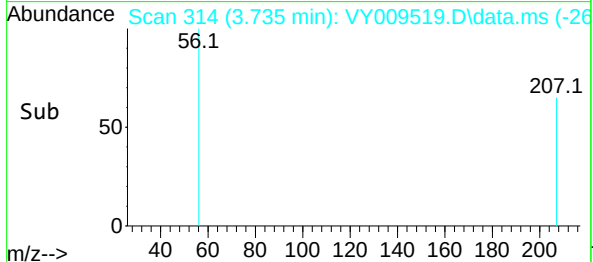
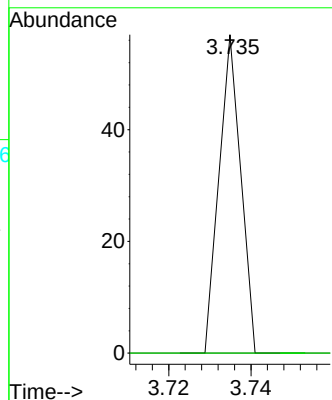


#13
Acrolein
Concen: 30.416 ug/l
RT: 3.735 min Scan# 312
Delta R.T. 0.012 min
Lab File: VY009519.D
Acq: 11 Jul 2022 18:34

Instrument :
MSVOA_Y
ClientSampleId :

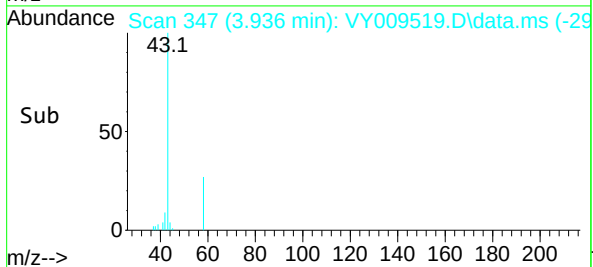
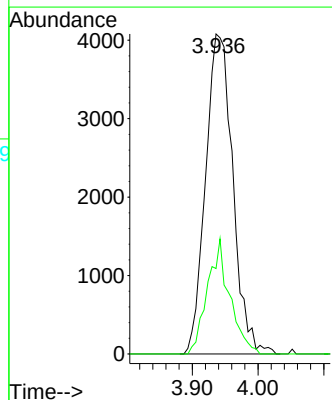
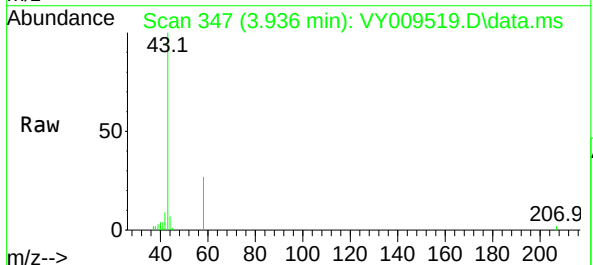


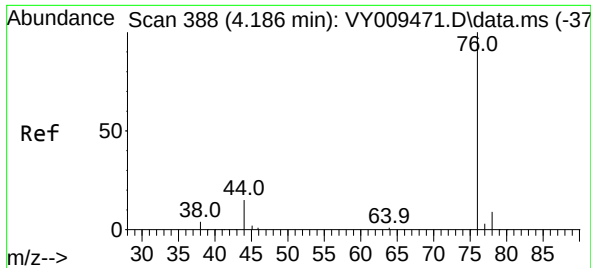
Tgt Ion: 56 Resp: 21
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#



#16
Acetone
Concen: 37.018 ug/l
RT: 3.936 min Scan# 347
Delta R.T. 0.000 min
Lab File: VY009519.D
Acq: 11 Jul 2022 18:34

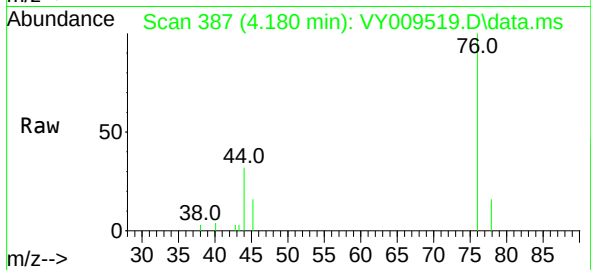
Tgt Ion: 43 Resp: 11750
Ion Ratio Lower Upper
43 100
58 26.7 22.0 33.0



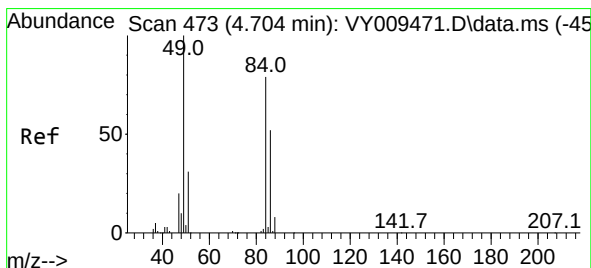
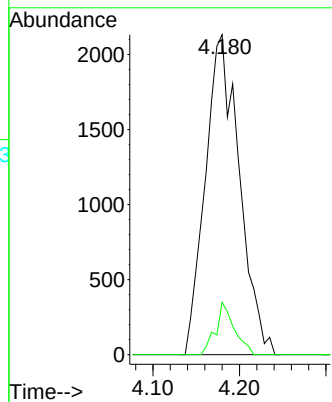
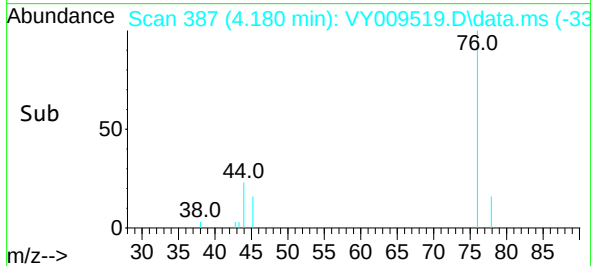


#17
Carbon Disulfide
Concen: 5.914 ug/l
RT: 4.180 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY009519.D
Acq: 11 Jul 2022 18:34

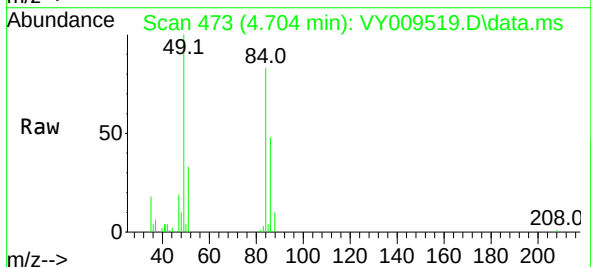
Instrument :
MSVOA_Y
ClientSampleId :



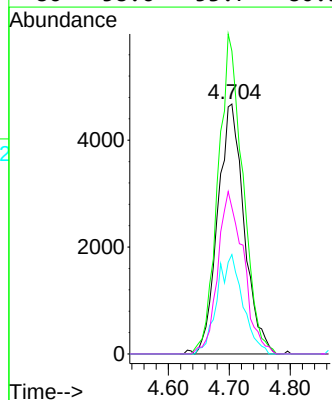
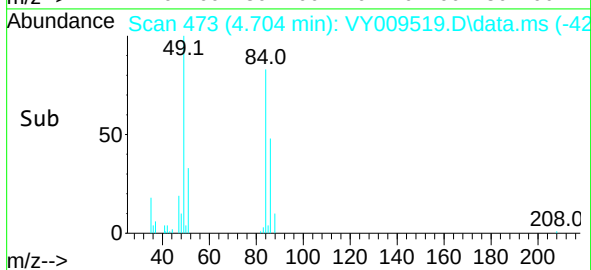
Tgt Ion: 76 Resp: 5807
Ion Ratio Lower Upper
76 100
78 16.4 7.4 11.0#

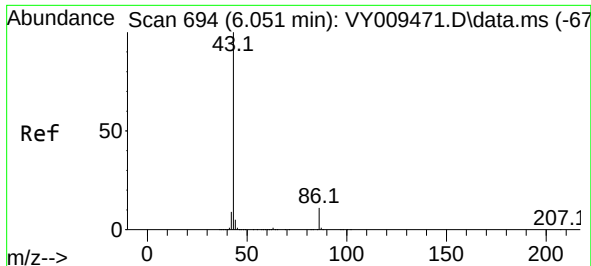


#20
Methylene Chloride
Concen: 5.094 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY009519.D
Acq: 11 Jul 2022 18:34



Tgt Ion: 84 Resp: 14035
Ion Ratio Lower Upper
84 100
49 121.2 114.4 171.6
51 39.7 35.3 52.9
86 58.6 53.7 80.5

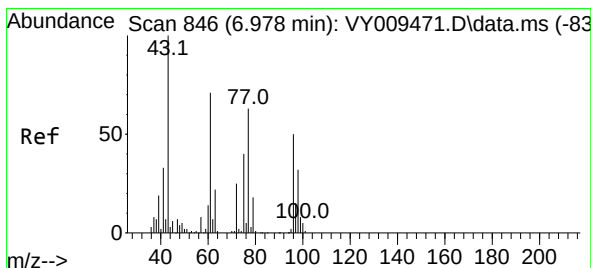
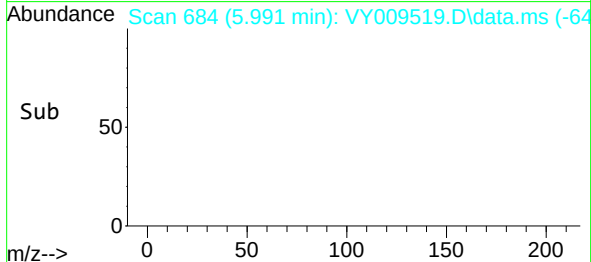
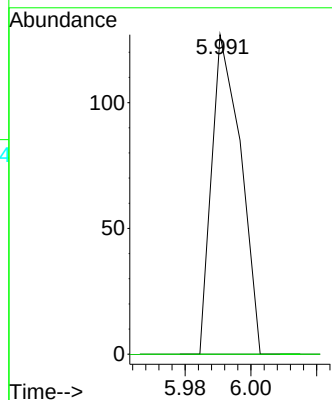
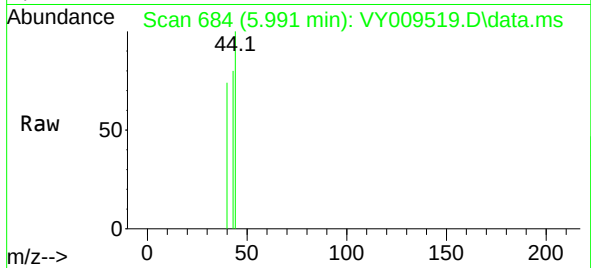




#23
 Vinyl Acetate
 Concen: Below Cal
 RT: 5.991 min Scan# 61
 Delta R.T. -0.060 min
 Lab File: VY009519.D
 Acq: 11 Jul 2022 18:34

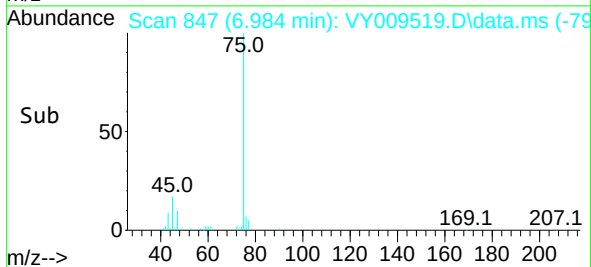
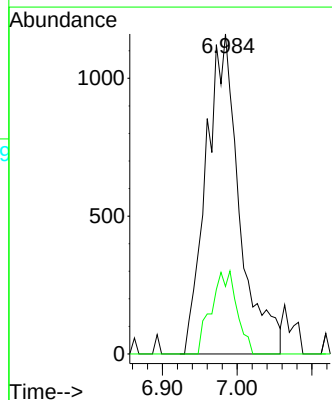
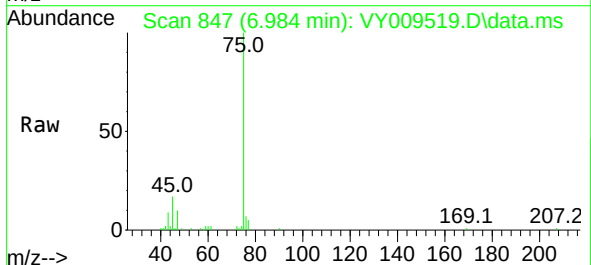
Instrument :
 MSVOA_Y
 ClientSampleId :

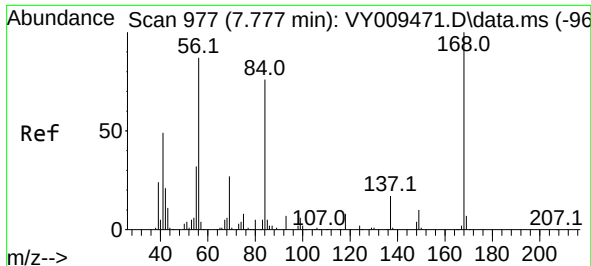
Tgt Ion: 43 Resp: 78
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#25
 2-Butanone
 Concen: 7.052 ug/l
 RT: 6.984 min Scan# 847
 Delta R.T. 0.006 min
 Lab File: VY009519.D
 Acq: 11 Jul 2022 18:34

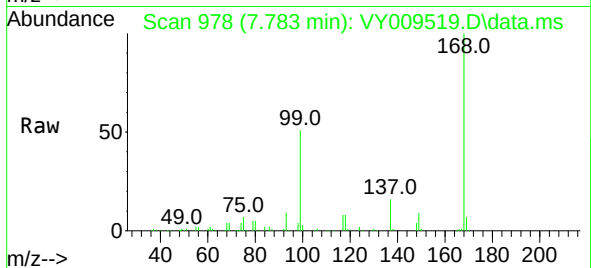
Tgt Ion: 43 Resp: 3621
 Ion Ratio Lower Upper
 43 100
 72 21.1 17.7 26.5



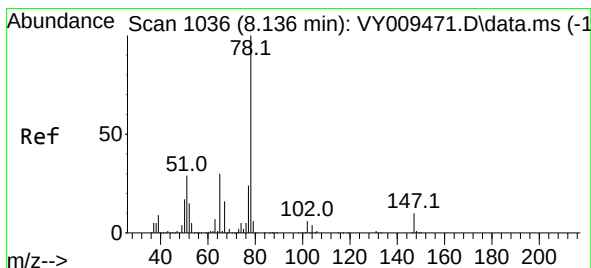
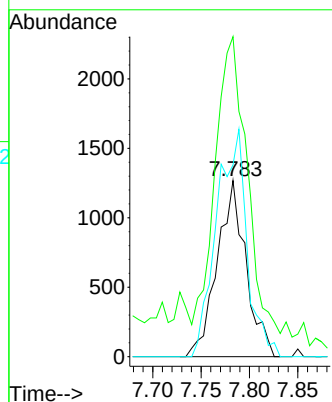
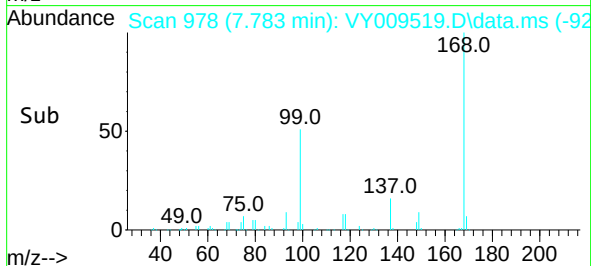


#31
Cyclohexane
Concen: 1.224 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009519.D
Acq: 11 Jul 2022 18:34

Instrument :
MSVOA_Y
ClientSampleId :

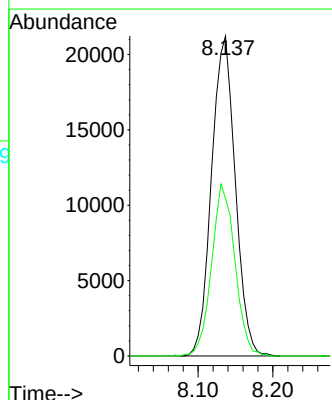
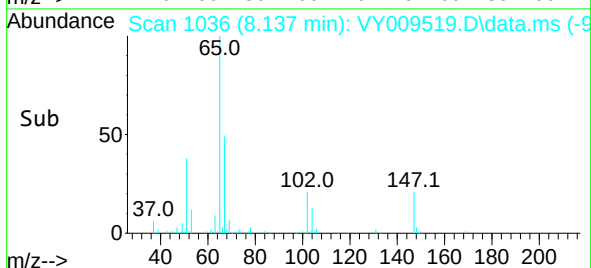
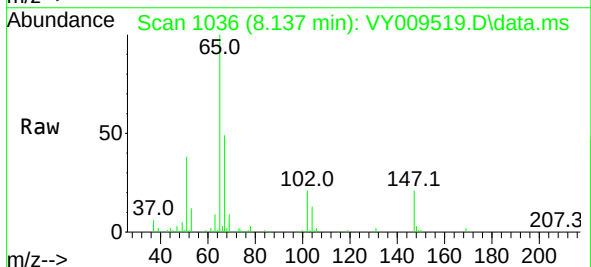


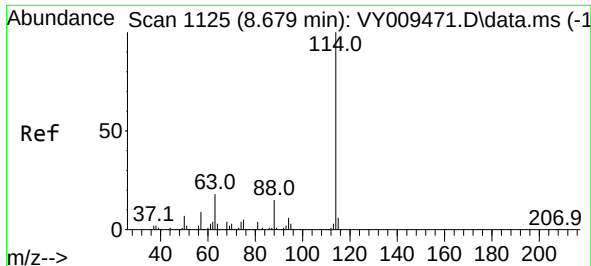
Tgt Ion: 56 Resp: 2621
Ion Ratio Lower Upper
56 100
69 168.4 26.7 40.1#
84 108.7 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 51.034 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY009519.D
Acq: 11 Jul 2022 18:34

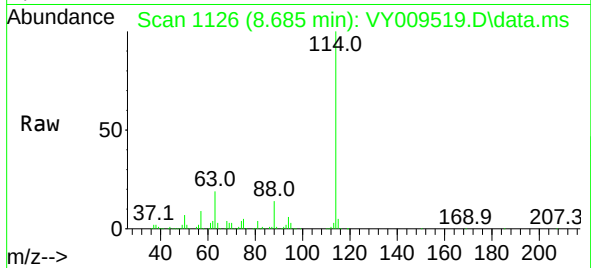
Tgt Ion: 65 Resp: 46784
Ion Ratio Lower Upper
65 100
67 52.8 0.0 99.4



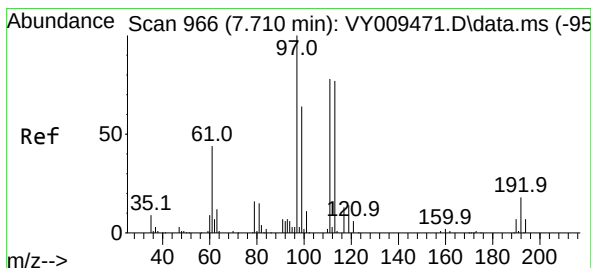
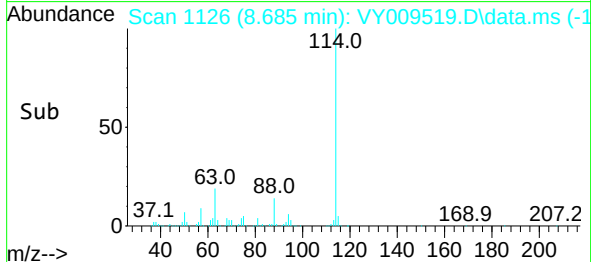
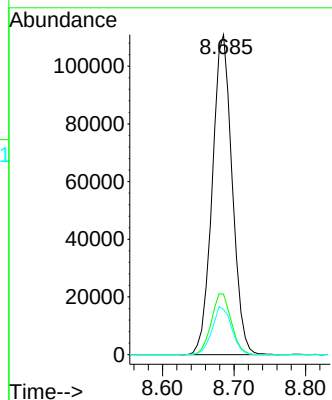


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1125
Delta R.T. 0.006 min
Lab File: VY009519.D
Acq: 11 Jul 2022 18:34

Instrument :
MSVOA_Y
ClientSampleId :

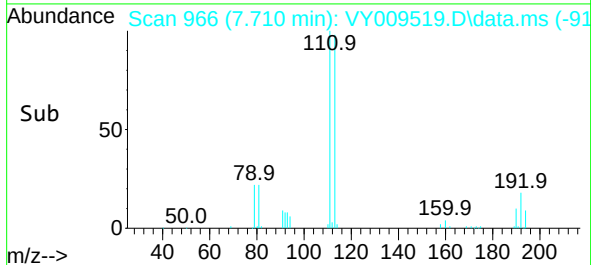
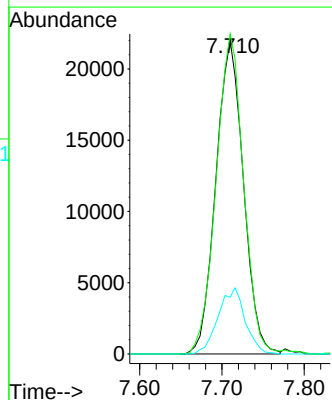
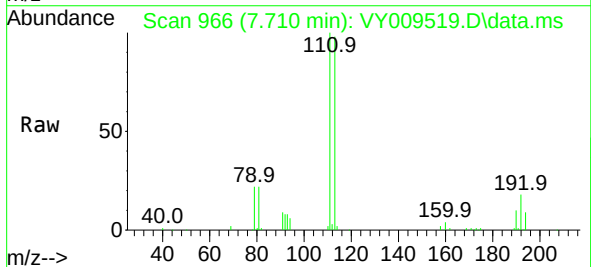


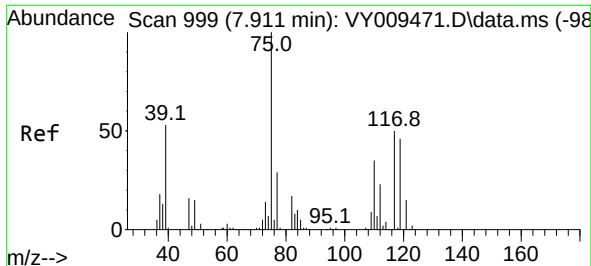
Tgt Ion:114 Resp: 214000
Ion Ratio Lower Upper
114 100
63 18.9 0.0 43.2
88 14.1 0.0 31.8



#35
Dibromofluoromethane
Concen: 45.416 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY009519.D
Acq: 11 Jul 2022 18:34

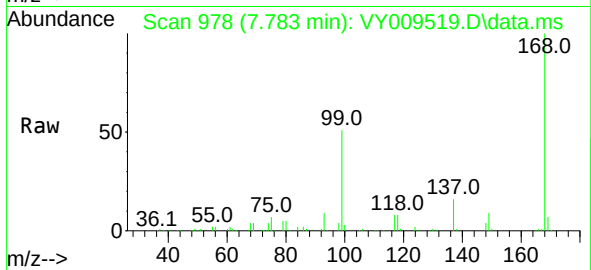
Tgt Ion:113 Resp: 51139
Ion Ratio Lower Upper
113 100
111 102.1 82.6 124.0
192 20.6 17.6 26.4



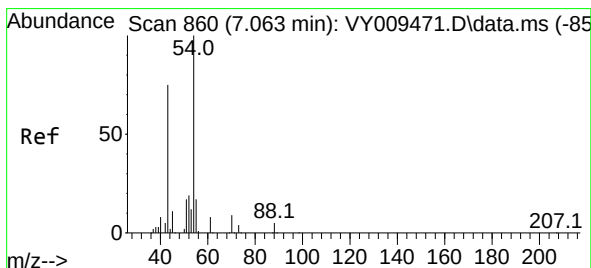
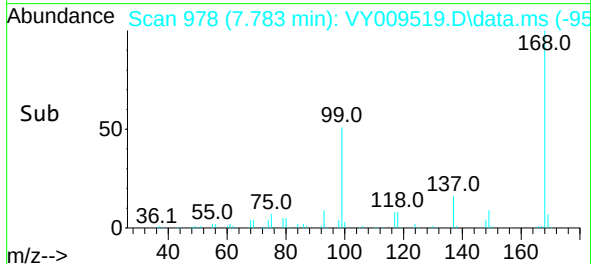
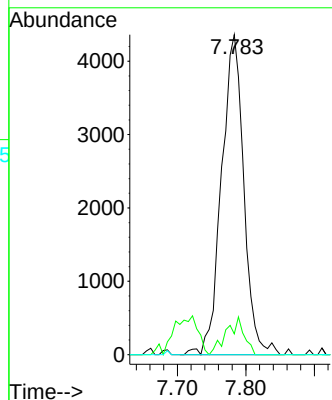


#36
1,1-Dichloropropene
Concen: 5.368 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY009519.D
Acq: 11 Jul 2022 18:34

Instrument :
MSVOA_Y
ClientSampleId :

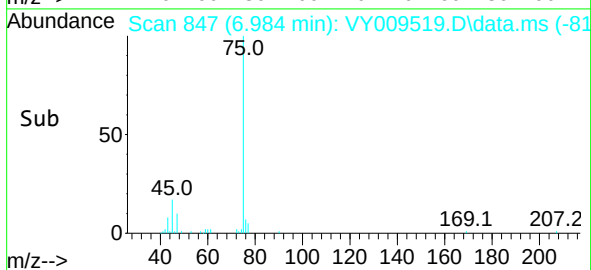
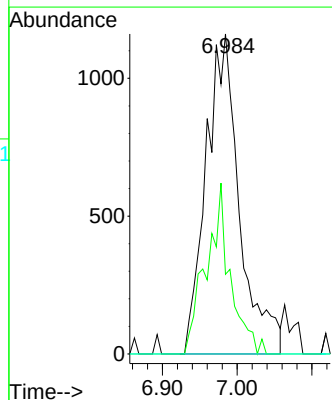
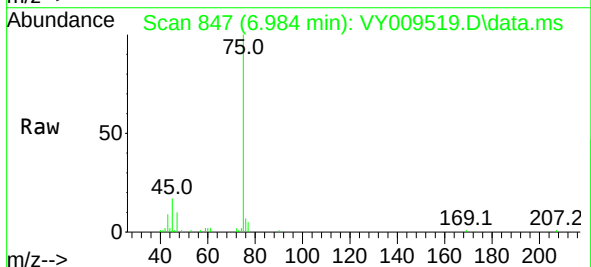


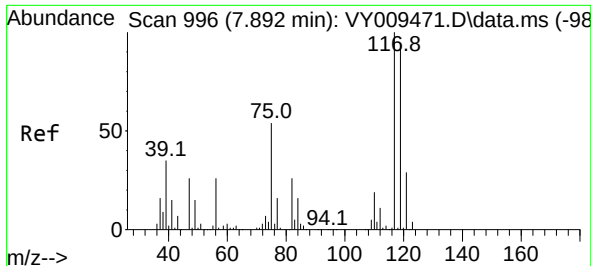
Tgt Ion: 75 Resp: 9840
Ion Ratio Lower Upper
75 100
110 9.4 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 3.151 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.079 min
Lab File: VY009519.D
Acq: 11 Jul 2022 18:34

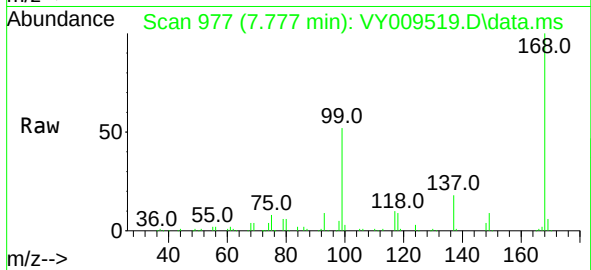
Tgt Ion: 43 Resp: 3621
Ion Ratio Lower Upper
43 100
61 37.9 9.7 14.5#
70 0.0 7.1 10.7#



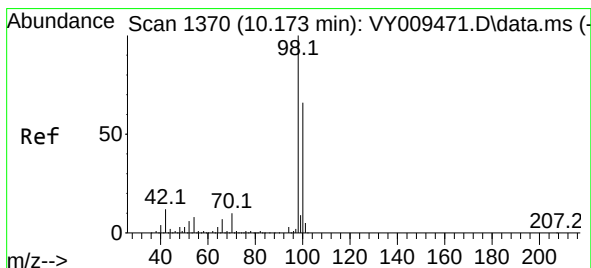
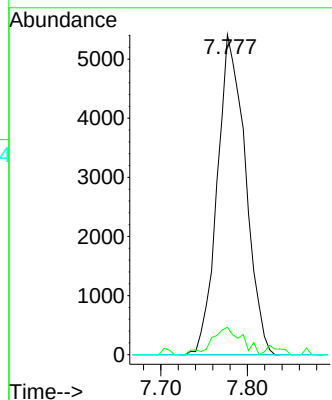
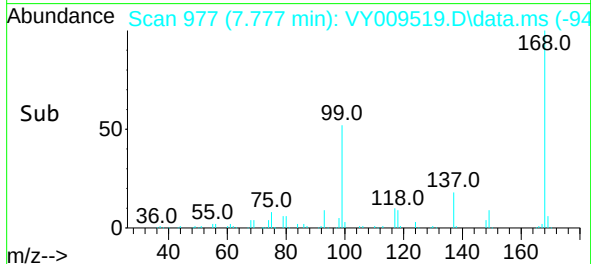


#38
Carbon Tetrachloride
Concen: 6.216 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY009519.D
Acq: 11 Jul 2022 18:34

Instrument :
MSVOA_Y
ClientSampleId :

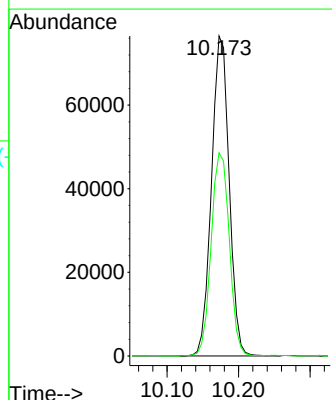
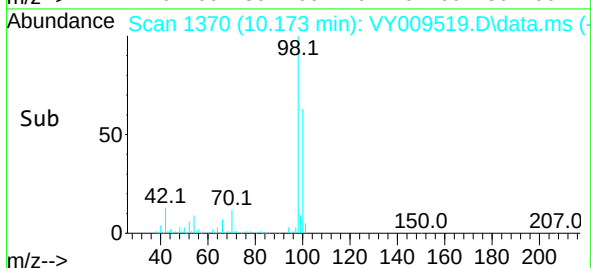
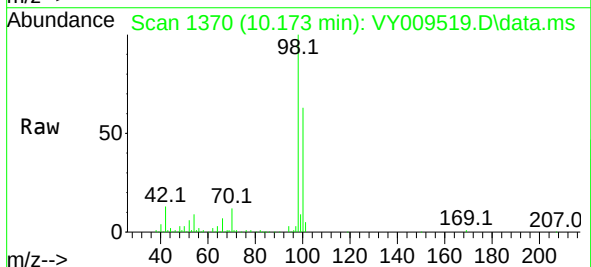


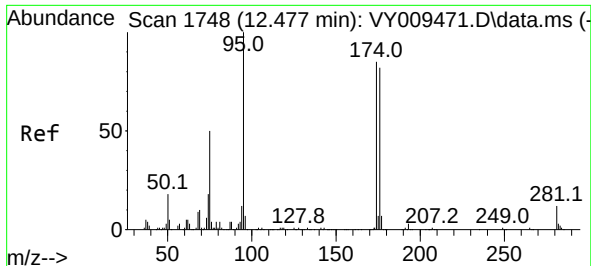
Tgt Ion:117 Resp: 12187
Ion Ratio Lower Upper
117 100
119 8.6 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 40.999 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY009519.D
Acq: 11 Jul 2022 18:34

Tgt Ion: 98 Resp: 131087
Ion Ratio Lower Upper
98 100
100 65.4 50.2 75.2

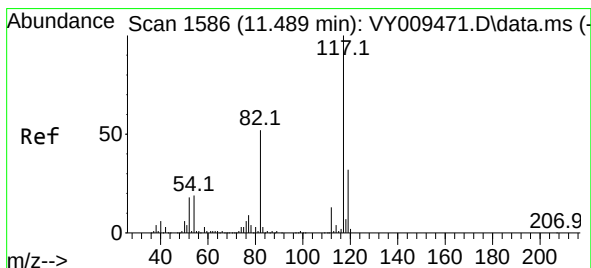
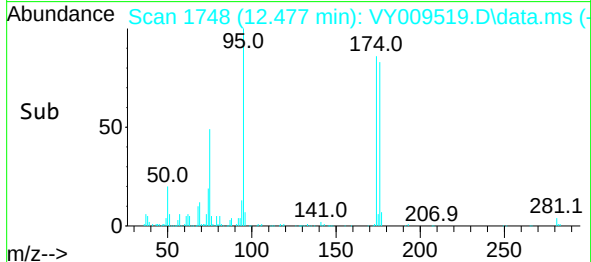
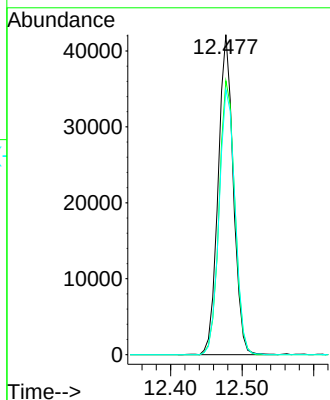
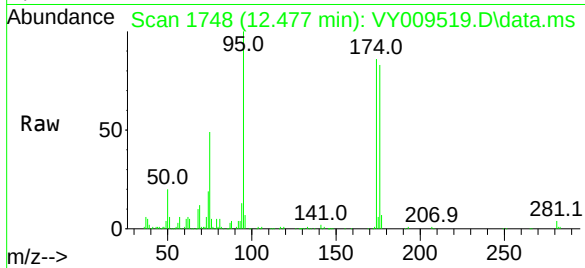




#62
4-Bromofluorobenzene
Concen: 39.102 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009519.D
Acq: 11 Jul 2022 18:34

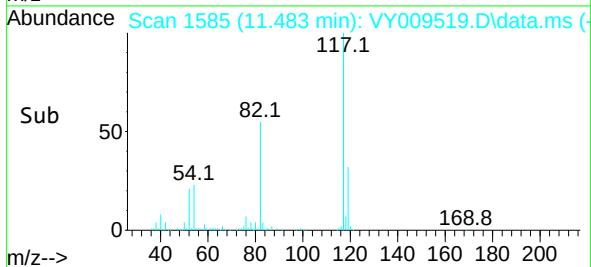
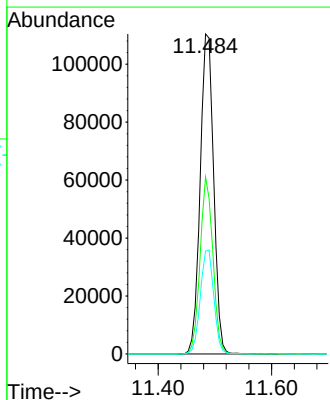
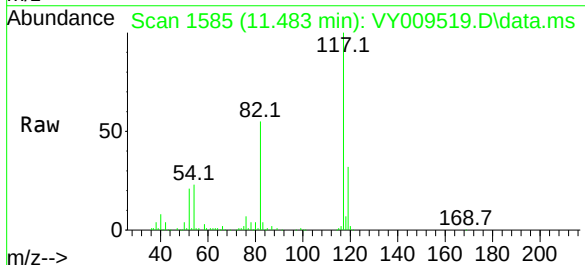
Instrument :
MSVOA_Y
ClientSampleId :

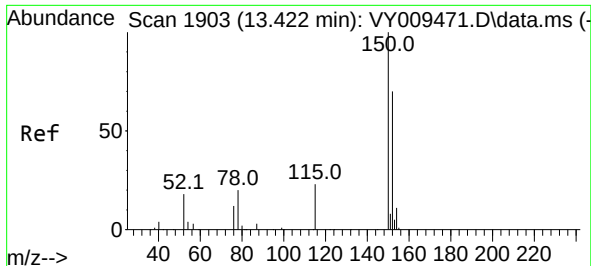
Tgt Ion: 95 Resp: 62150
Ion Ratio Lower Upper
95 100
174 88.2 0.0 177.0
176 87.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY009519.D
Acq: 11 Jul 2022 18:34

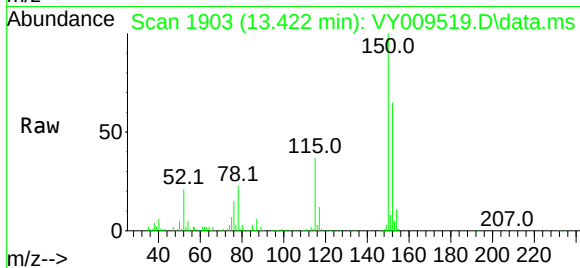
Tgt Ion: 117 Resp: 182179
Ion Ratio Lower Upper
117 100
82 55.4 43.0 64.4
119 32.2 25.4 38.0



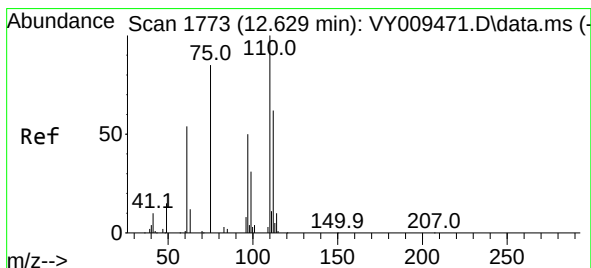
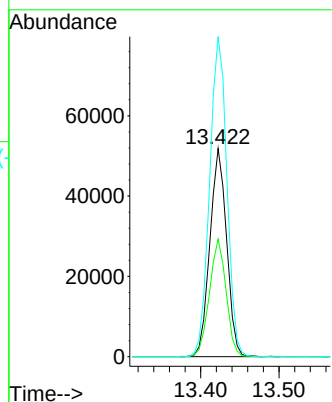
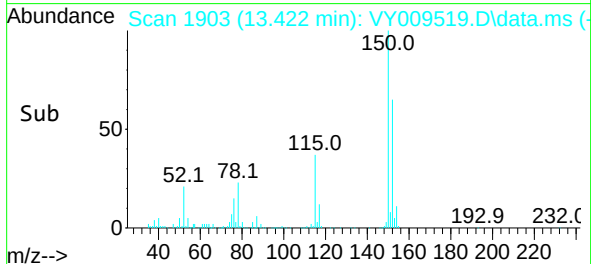


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY009519.D
 Acq: 11 Jul 2022 18:34

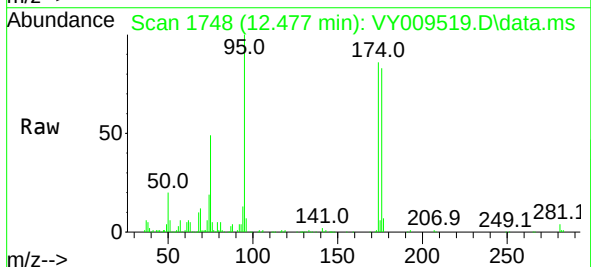
Instrument :
 MSVOA_Y
 ClientSampleId :



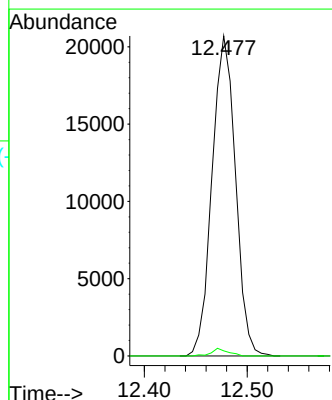
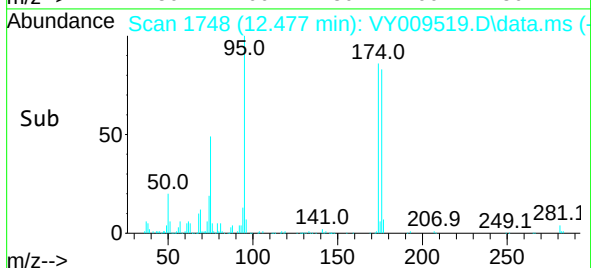
Tgt Ion:152 Resp: 76955
 Ion Ratio Lower Upper
 152 100
 115 56.2 28.2 84.7
 150 158.2 0.0 347.6

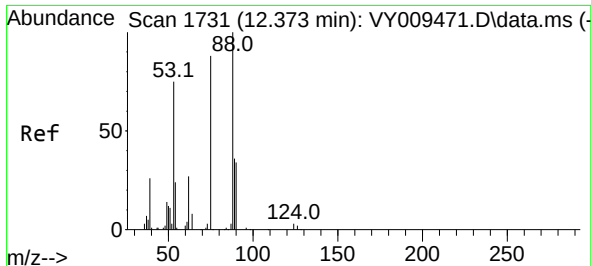


#76
 1,2,3-Trichloropropane
 Concen: 40.190 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY009519.D
 Acq: 11 Jul 2022 18:34



Tgt Ion: 75 Resp: 32740
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#

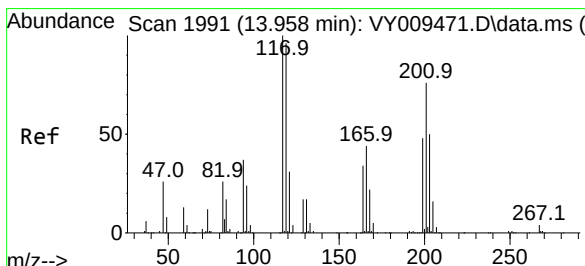
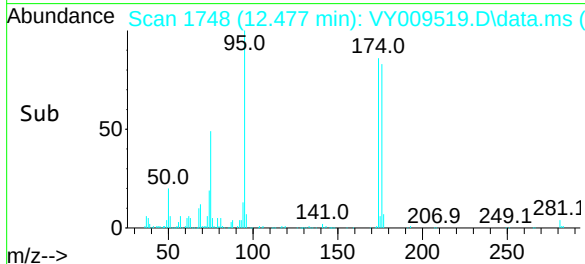
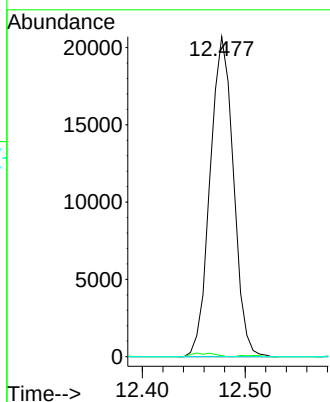
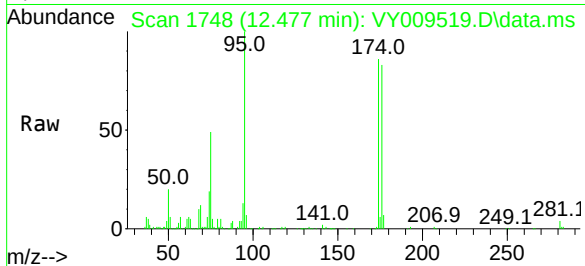




#81
trans-1,4-Dichloro-2-butene
Concen: 82.255 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY009519.D
Acq: 11 Jul 2022 18:34

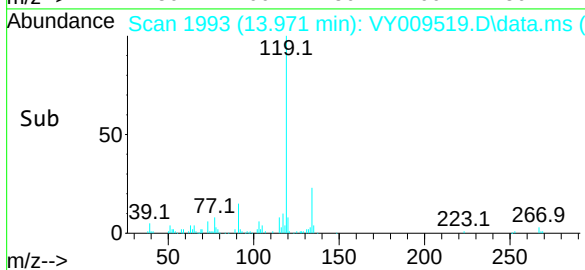
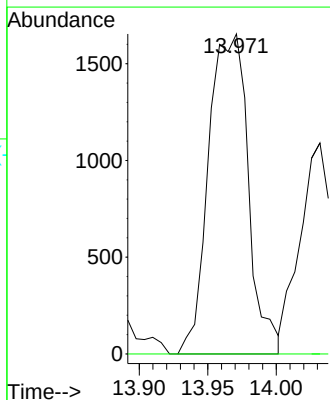
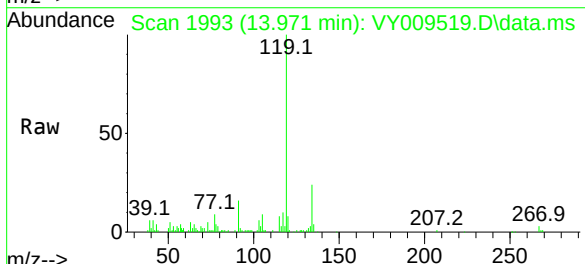
Instrument :
MSVOA_Y
ClientSampleId :

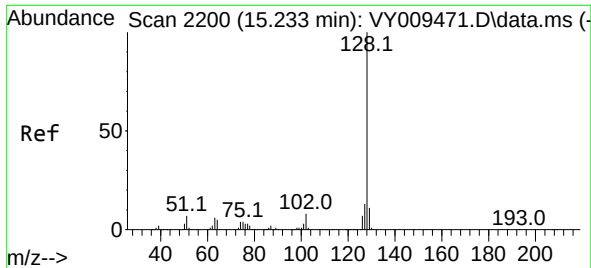
Tgt Ion: 75 Resp: 32740
Ion Ratio Lower Upper
75 100
53 0.3 85.3 127.9#
89 0.0 37.0 55.4#



#90
Hexachloroethane
Concen: 3.528 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.013 min
Lab File: VY009519.D
Acq: 11 Jul 2022 18:34

Tgt Ion: 117 Resp: 3326
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#





#95

Naphthalene

Concen: 22.117 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

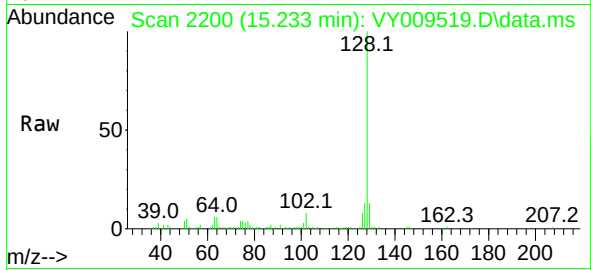
Lab File: VY009519.D

Acq: 11 Jul 2022 18:34

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 64626

Ion Ratio Lower Upper

128 100

127 13.7 11.0 16.4

129 11.5 8.4 12.6

