

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061622\
 Data File : VY009207.D
 Acq On : 16 Jun 2022 17:16
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 17 02:27:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 16 02:54:06 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

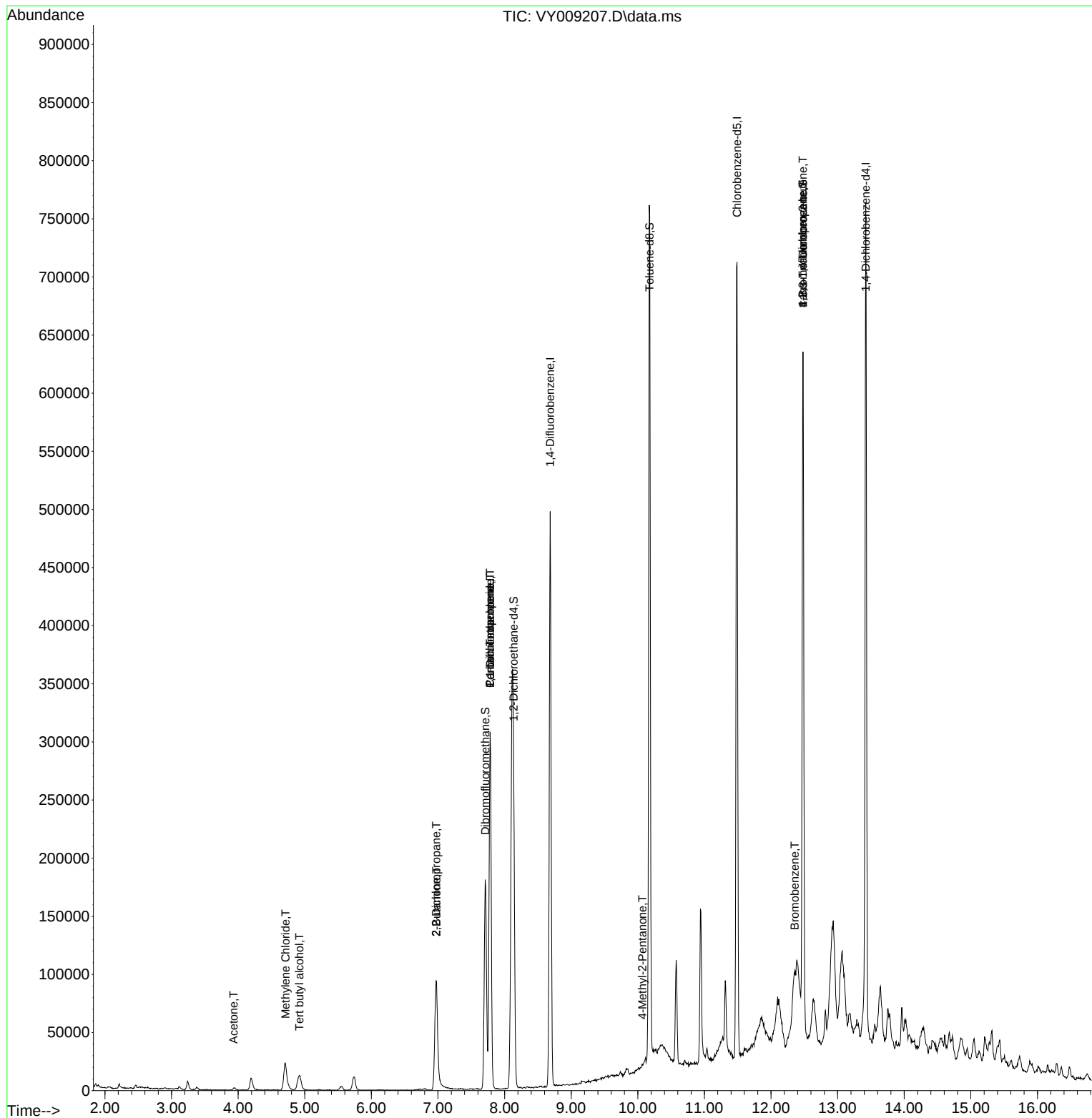
Internal Standards						
1) Pentafluorobenzene	7.783	168	247470	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	421543	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	392043	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	184176	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	139431	53.937	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.880%	
35) Dibromofluoromethane	7.710	113	129360	48.946	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.900%	
50) Toluene-d8	10.179	98	496170	49.318	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.640%	
62) 4-Bromofluorobenzene	12.477	95	178053	49.803	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 99.600%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.917	59	12720	31.015	ug/l #	79
13) Acrolein	3.753	56	19	Below Cal	#	14
16) Acetone	3.930	43	3317	5.094	ug/l #	80
18) Methyl Acetate	4.515	43	129	Below Cal	#	56
20) Methylene Chloride	4.710	84	17236	3.187	ug/l #	80
25) 2-Butanone	6.978	43	5051	4.902	ug/l	99
26) 2,2-Dichloropropane	6.972	77	8257	1.882	ug/l #	55
36) 1,1-Dichloropropene	7.783	75	18229	4.484	ug/l #	51
38) Carbon Tetrachloride	7.783	117	24296	5.779	ug/l #	14
51) 4-Methyl-2-Pentanone	10.069	43	3121	1.326	ug/l	98
76) 1,2,3-Trichloropropane	12.477	75	89563	44.041	ug/l #	100
77) Bromobenzene	12.355	156	20230	5.940	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.477	75	89563	87.769	ug/l #	8

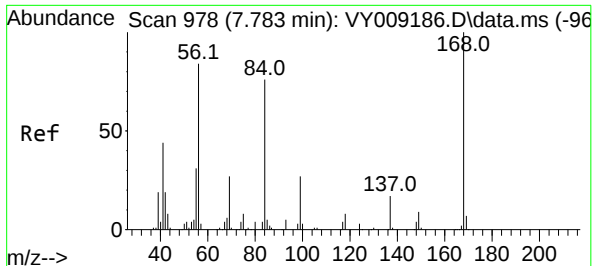
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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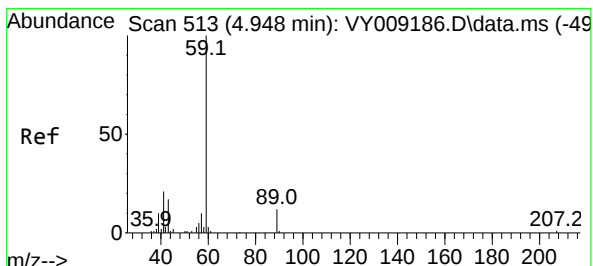
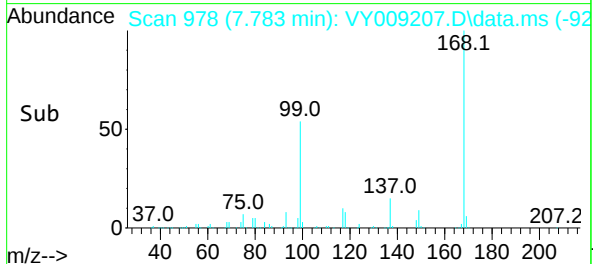
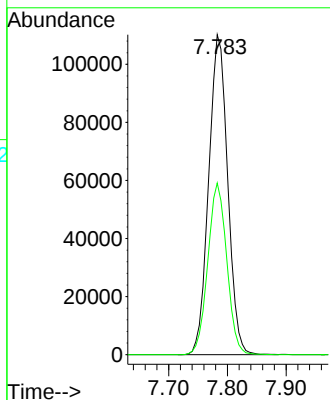
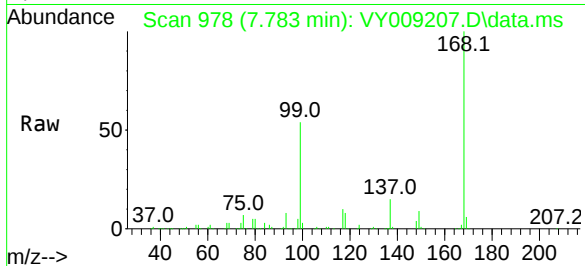




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009207.D
Acq: 16 Jun 2022 17:16

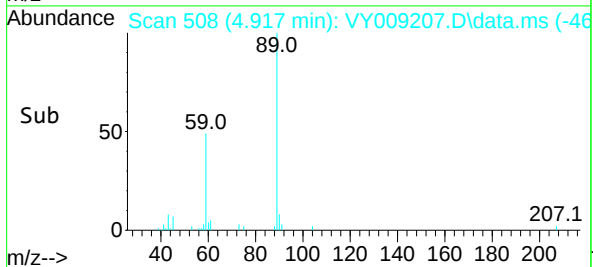
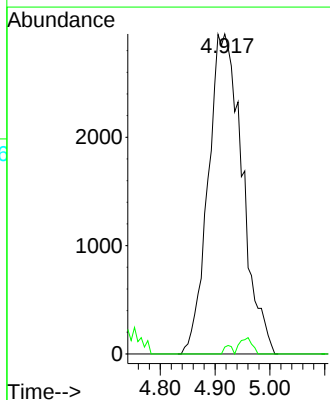
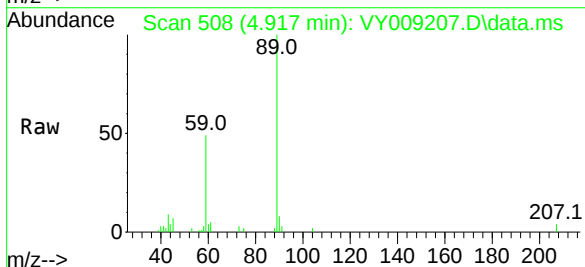
Instrument :
MSVOA_Y
ClientSampleId :

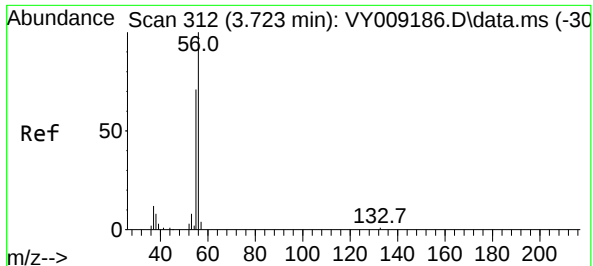
Tgt Ion:168 Resp: 247470
Ion Ratio Lower Upper
168 100
99 53.6 46.9 70.3



#11
Tert butyl alcohol
Concen: 31.015 ug/l
RT: 4.917 min Scan# 508
Delta R.T. -0.031 min
Lab File: VY009207.D
Acq: 16 Jun 2022 17:16

Tgt Ion: 59 Resp: 12720
Ion Ratio Lower Upper
59 100
57 0.6 6.4 9.6#

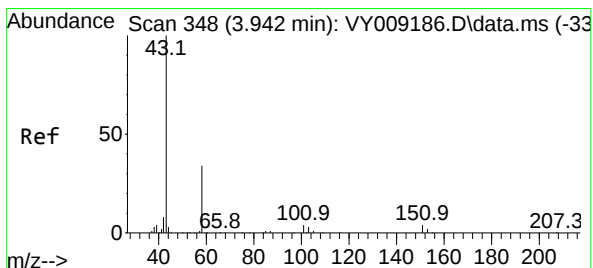
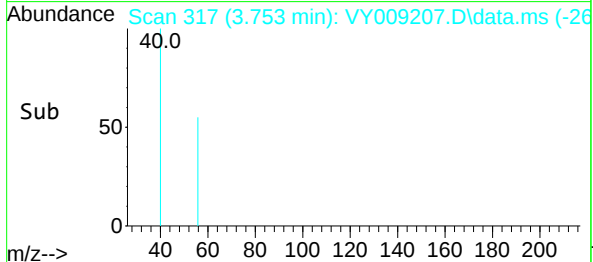
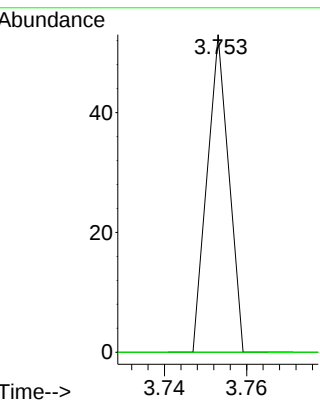
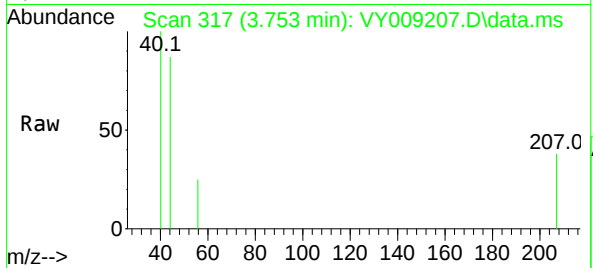




#13
Acrolein
Concen: Below Cal
RT: 3.753 min Scan# 31
Delta R.T. 0.030 min
Lab File: VY009207.D
Acq: 16 Jun 2022 17:16

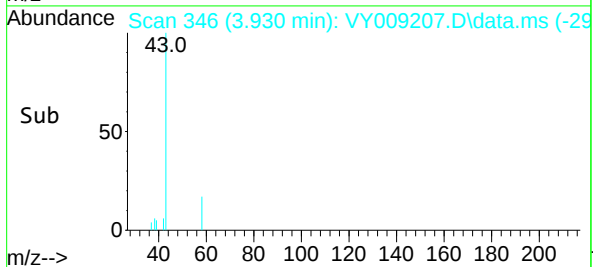
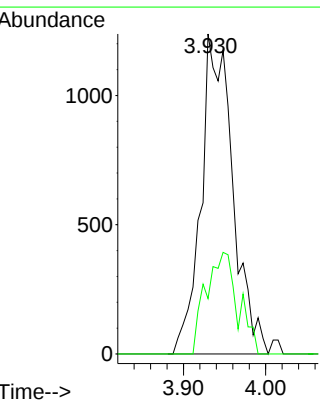
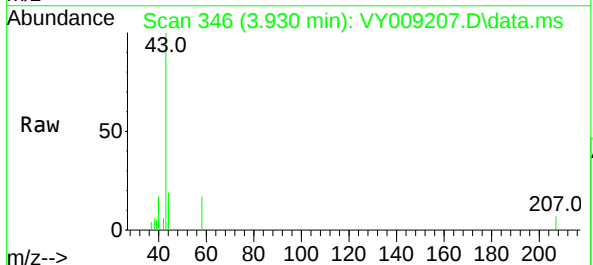
Instrument :
MSVOA_Y
ClientSampleId :

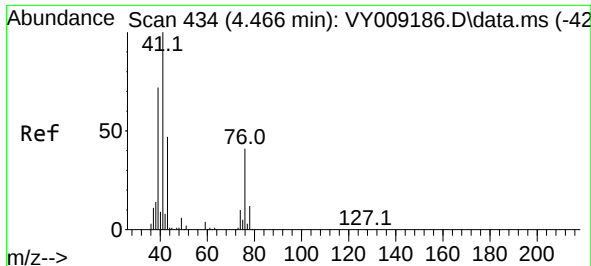
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#



#16
Acetone
Concen: 5.094 ug/l
RT: 3.930 min Scan# 346
Delta R.T. -0.012 min
Lab File: VY009207.D
Acq: 16 Jun 2022 17:16

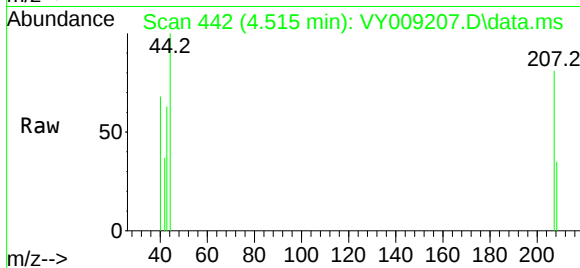
Tgt Ion: 43 Resp: 3317
Ion Ratio Lower Upper
43 100
58 17.3 22.0 33.0#



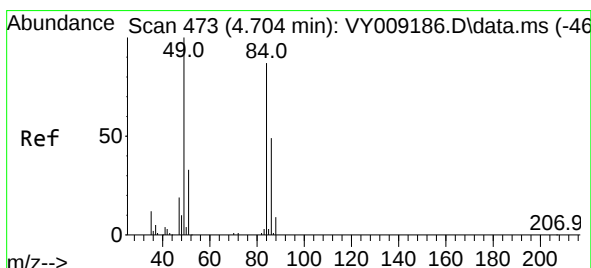
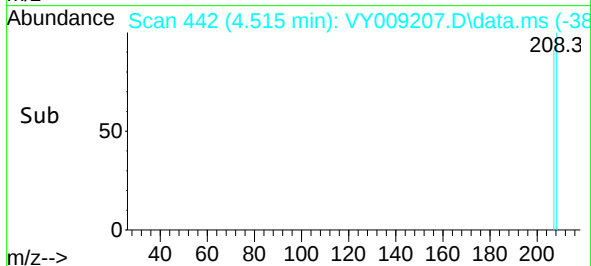
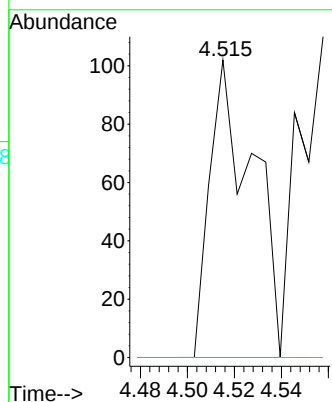


#18
Methyl Acetate
Concen: Below Cal
RT: 4.515 min Scan# 442
Delta R.T. 0.049 min
Lab File: VY009207.D
Acq: 16 Jun 2022 17:16

Instrument :
MSVOA_Y
ClientSampleId :

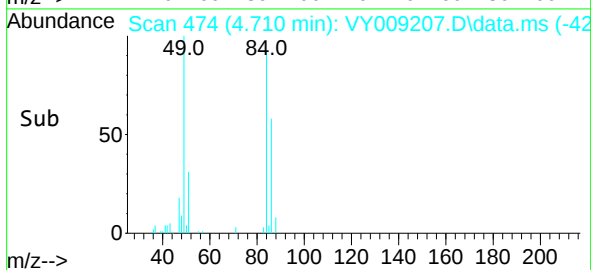
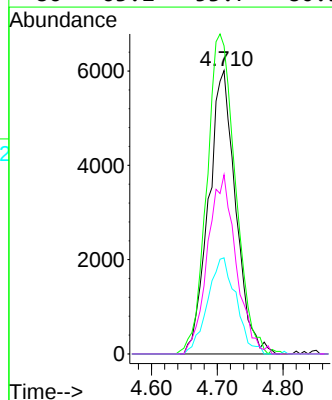
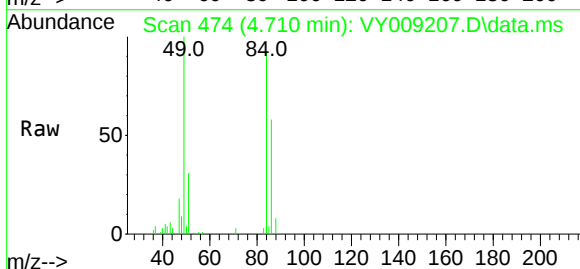


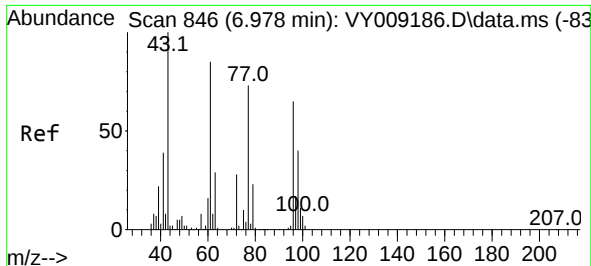
Tgt Ion: 43 Resp: 129
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 3.187 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY009207.D
Acq: 16 Jun 2022 17:16

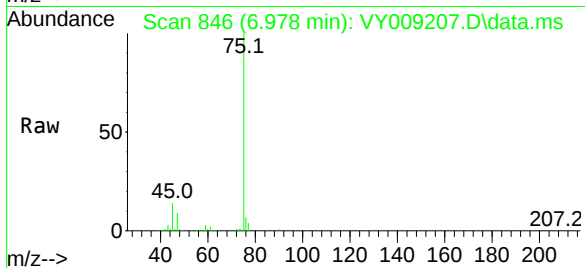
Tgt Ion: 84 Resp: 17236
Ion Ratio Lower Upper
84 100
49 107.8 114.4 171.6#
51 33.9 35.3 52.9#
86 63.2 53.7 80.5



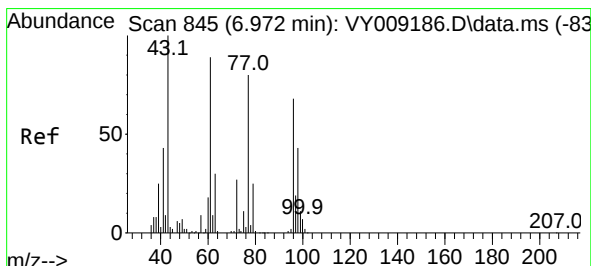
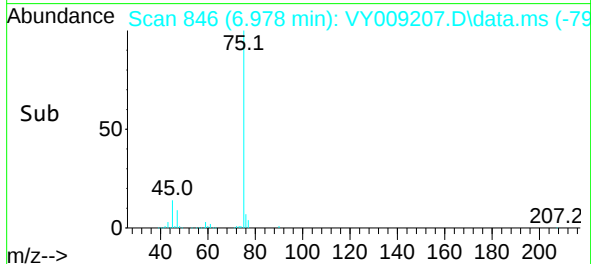
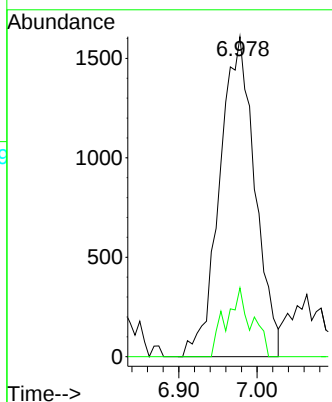


#25
2-Butanone
Concen: 4.902 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY009207.D
Acq: 16 Jun 2022 17:16

Instrument :
MSVOA_Y
ClientSampleId :

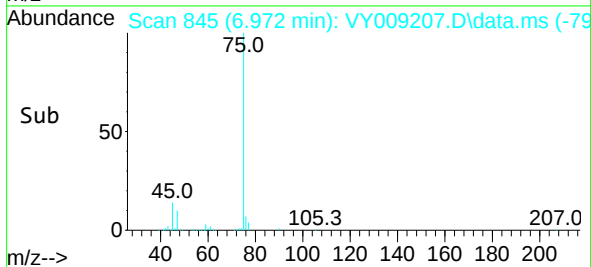
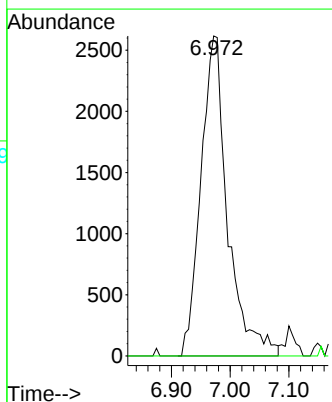
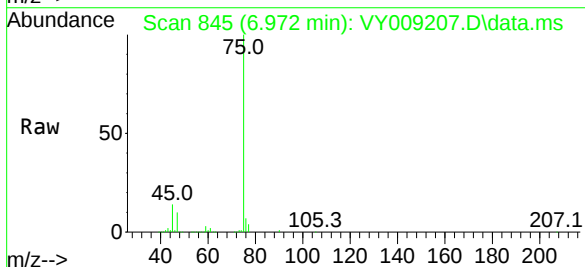


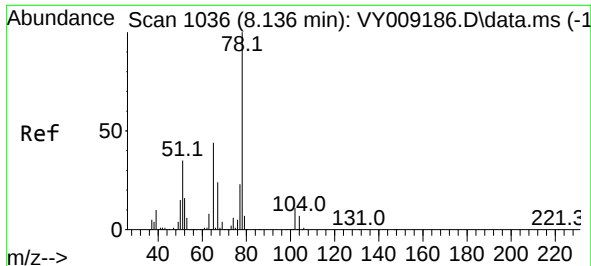
Tgt Ion: 43 Resp: 5051
Ion Ratio Lower Upper
43 100
72 21.5 17.7 26.5



#26
2,2-Dichloropropane
Concen: 1.882 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.000 min
Lab File: VY009207.D
Acq: 16 Jun 2022 17:16

Tgt Ion: 77 Resp: 8257
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#





#33

1,2-Dichloroethane-d4

Concen: 53.937 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY009207.D

Acq: 16 Jun 2022 17:16

Instrument :

MSVOA_Y

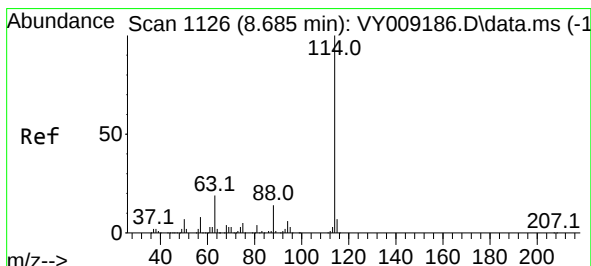
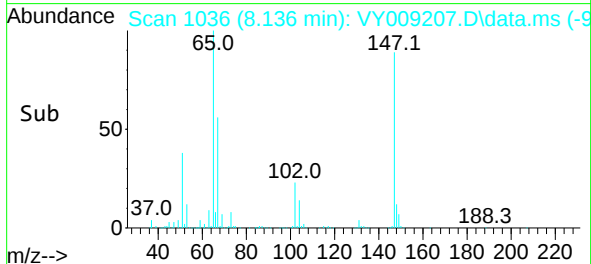
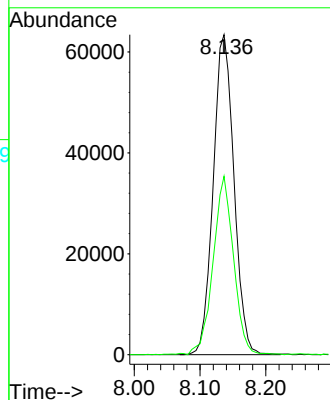
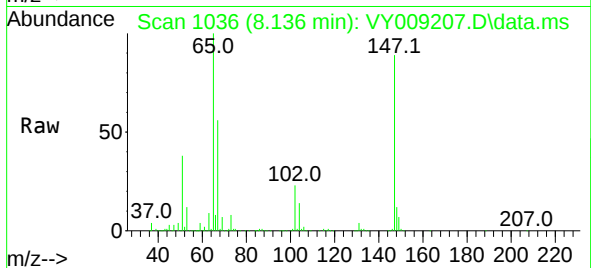
ClientSampleId :

Tgt Ion: 65 Resp: 139431

Ion Ratio Lower Upper

65 100

67 55.2 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY009207.D

Acq: 16 Jun 2022 17:16

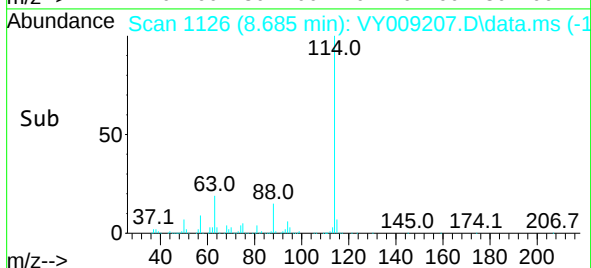
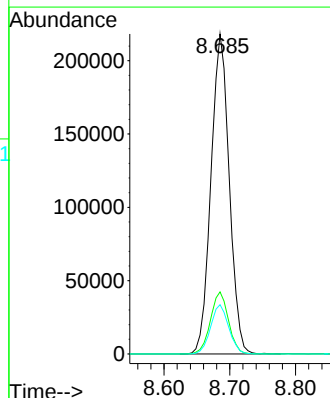
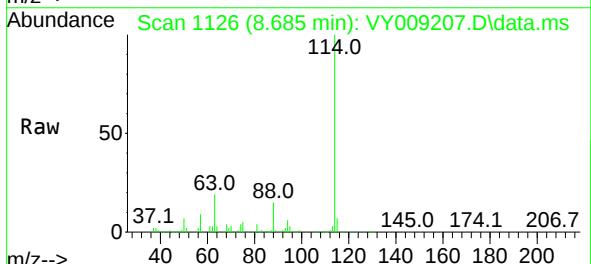
Tgt Ion: 114 Resp: 421543

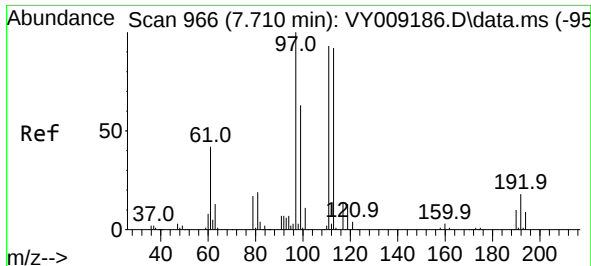
Ion Ratio Lower Upper

114 100

63 19.4 0.0 43.2

88 15.4 0.0 31.8

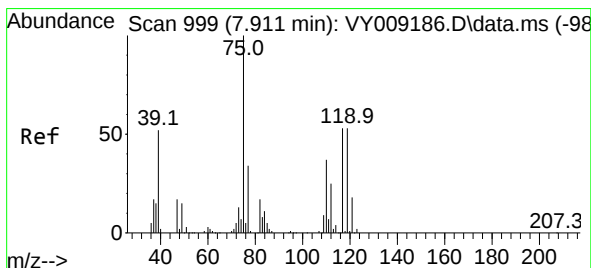
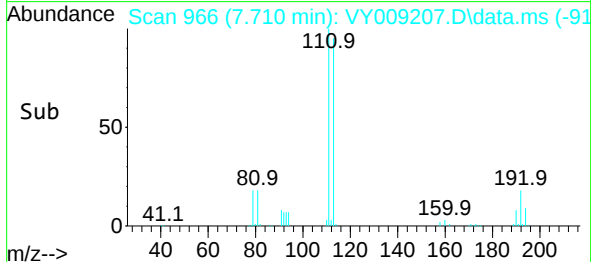
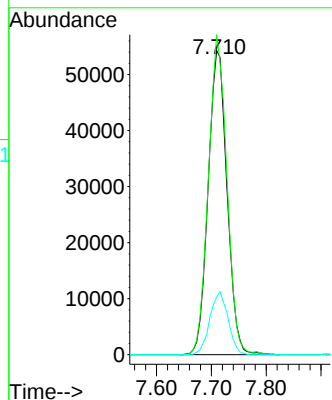
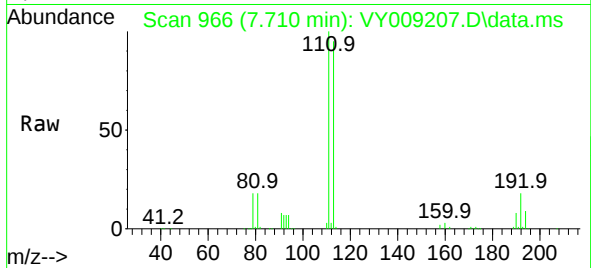




#35
Dibromofluoromethane
Concen: 48.946 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY009207.D
Acq: 16 Jun 2022 17:16

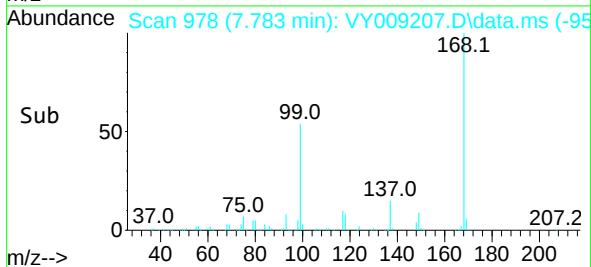
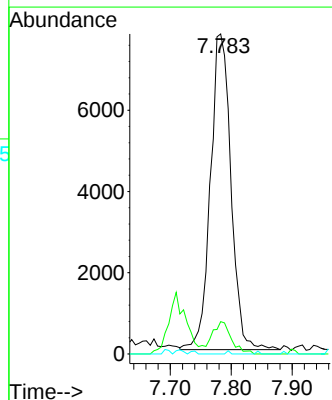
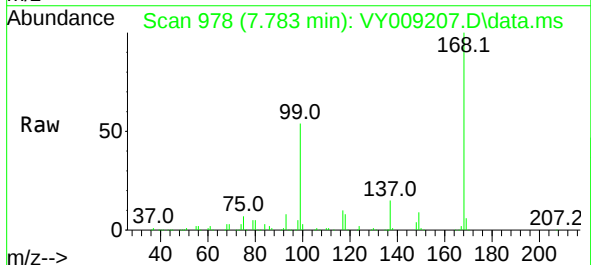
Instrument :
MSVOA_Y
ClientSampleId :

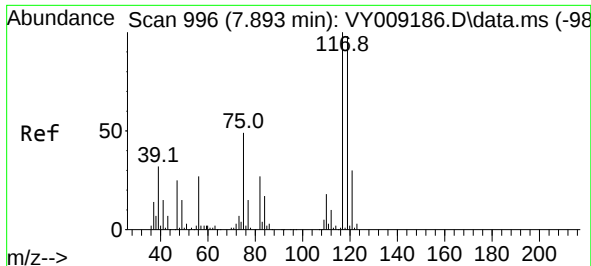
Tgt Ion:113 Resp: 129360
Ion Ratio Lower Upper
113 100
111 103.5 82.6 124.0
192 20.0 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.484 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY009207.D
Acq: 16 Jun 2022 17:16

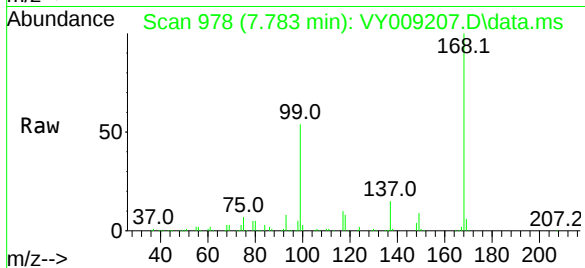
Tgt Ion: 75 Resp: 18229
Ion Ratio Lower Upper
75 100
110 9.2 17.1 51.2#
77 0.2 24.4 36.6#



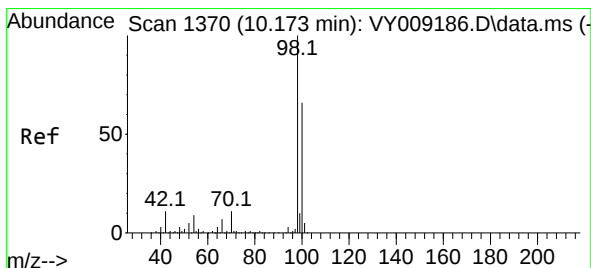
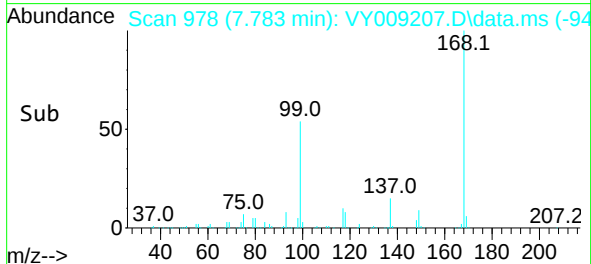
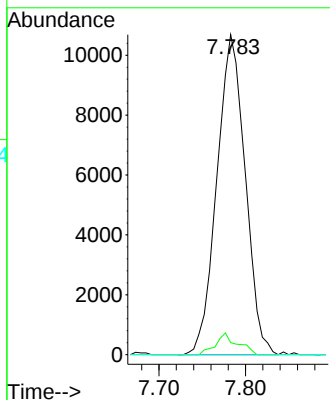


#38
Carbon Tetrachloride
Concen: 5.779 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY009207.D
Acq: 16 Jun 2022 17:16

Instrument :
MSVOA_Y
ClientSampleId :

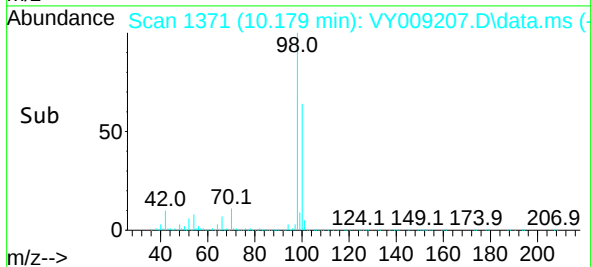
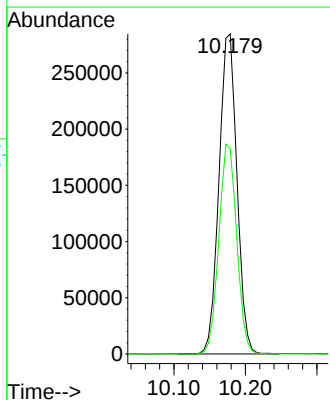
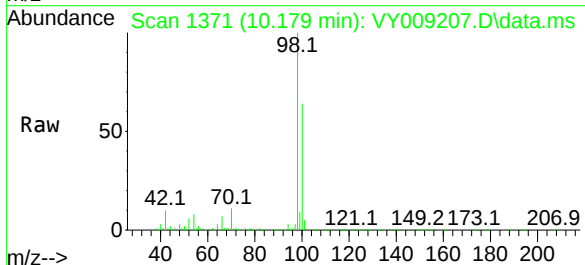


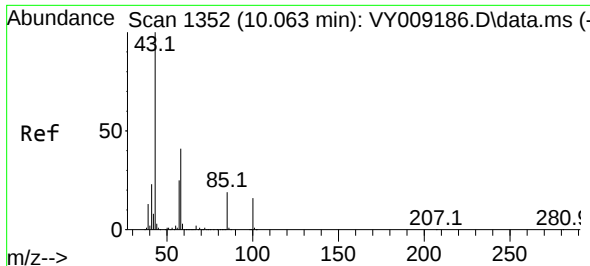
Tgt Ion:117 Resp: 24296
Ion Ratio Lower Upper
117 100
119 3.7 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 49.318 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY009207.D
Acq: 16 Jun 2022 17:16

Tgt Ion: 98 Resp: 496170
Ion Ratio Lower Upper
98 100
100 65.5 50.2 75.2

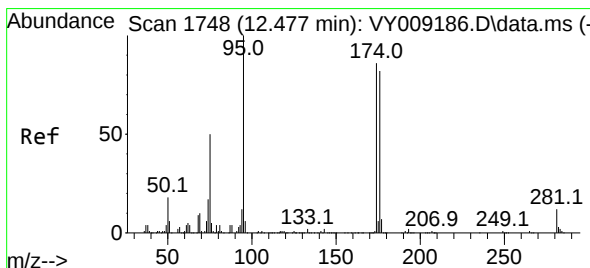
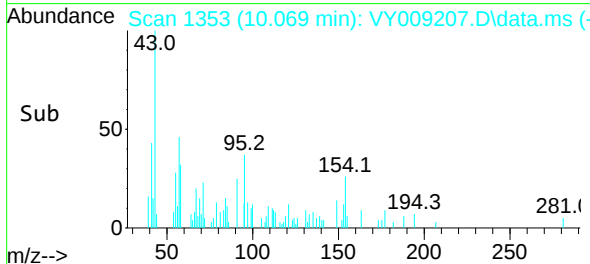
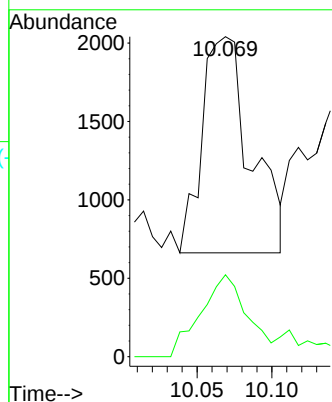
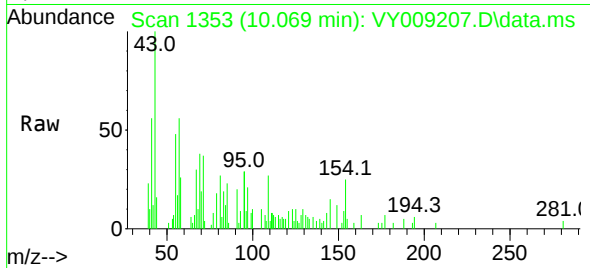




#51
4-Methyl-2-Pentanone
Concen: 1.326 ug/l
RT: 10.069 min Scan# 1352
Delta R.T. 0.006 min
Lab File: VY009207.D
Acq: 16 Jun 2022 17:16

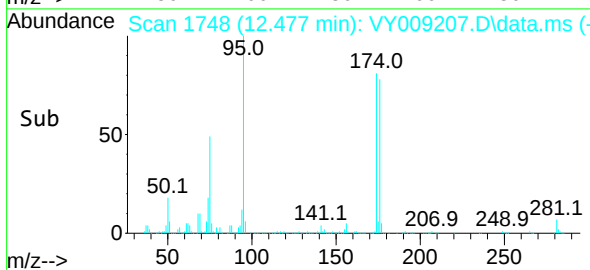
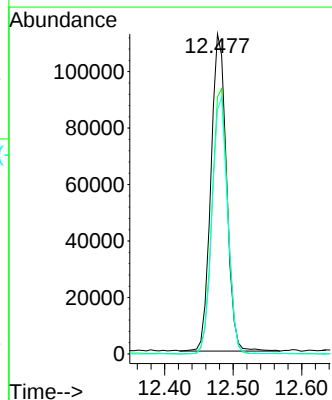
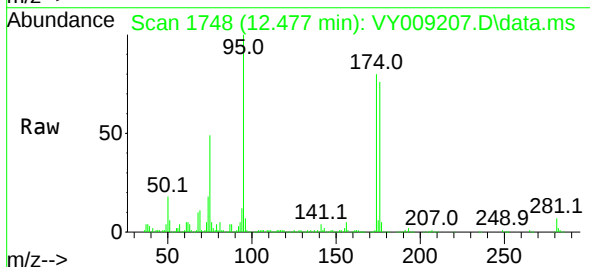
Instrument :
MSVOA_Y
ClientSampleId :

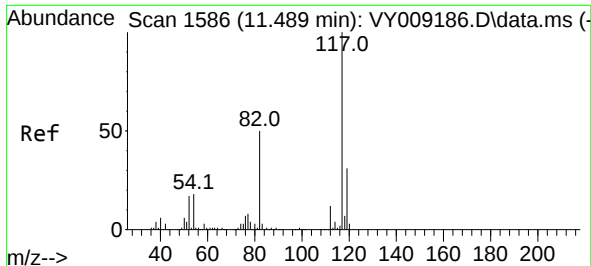
Tgt Ion: 43 Resp: 3121
Ion Ratio Lower Upper
43 100
58 36.1 28.1 42.1



#62
4-Bromofluorobenzene
Concen: 49.803 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY009207.D
Acq: 16 Jun 2022 17:16

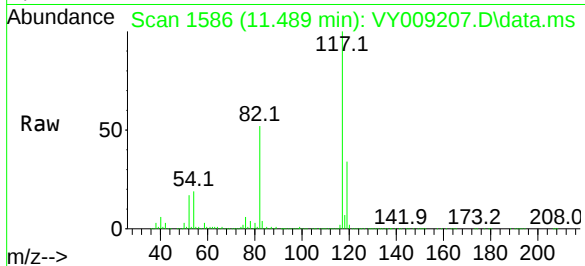
Tgt Ion: 95 Resp: 178053
Ion Ratio Lower Upper
95 100
174 84.3 0.0 177.0
176 80.7 0.0 175.8



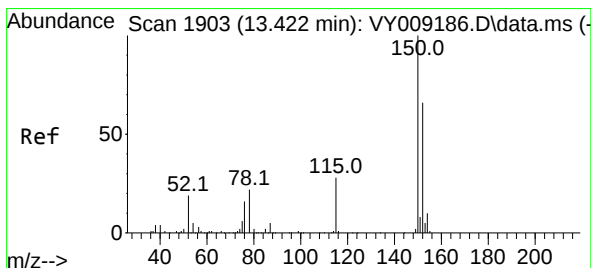
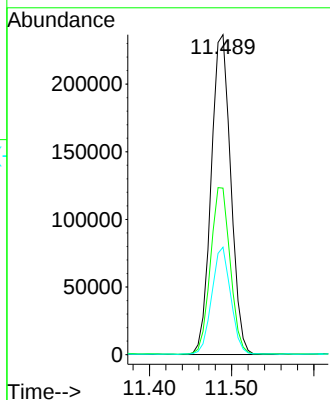
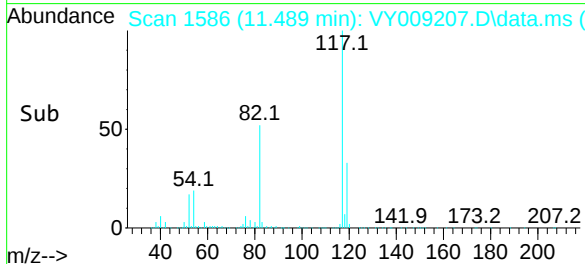


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009207.D
Acq: 16 Jun 2022 17:16

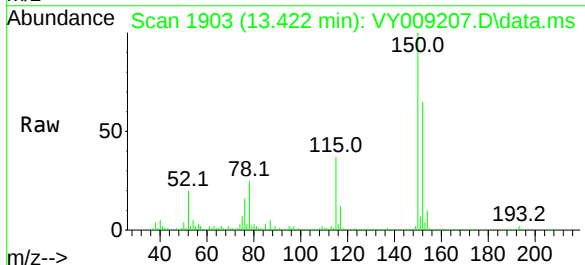
Instrument :
MSVOA_Y
ClientSampleId :



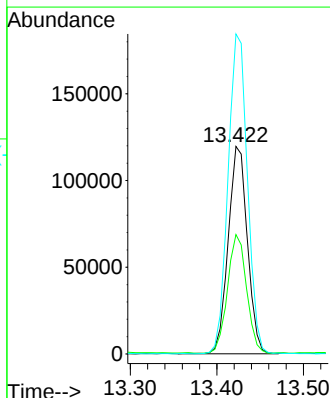
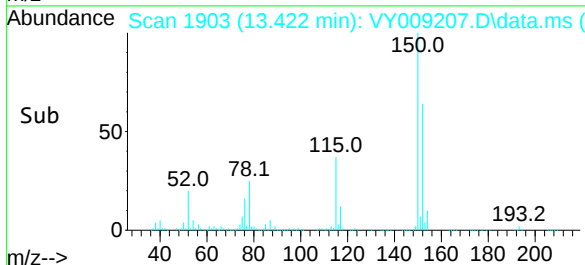
Tgt Ion:117 Resp: 392043
Ion Ratio Lower Upper
117 100
82 51.9 43.0 64.4
119 33.5 25.4 38.0

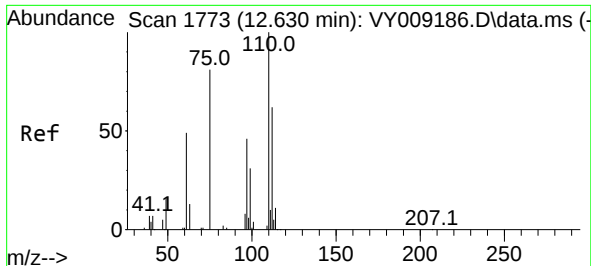


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY009207.D
Acq: 16 Jun 2022 17:16



Tgt Ion:152 Resp: 184176
Ion Ratio Lower Upper
152 100
115 56.9 28.2 84.7
150 155.8 0.0 347.6

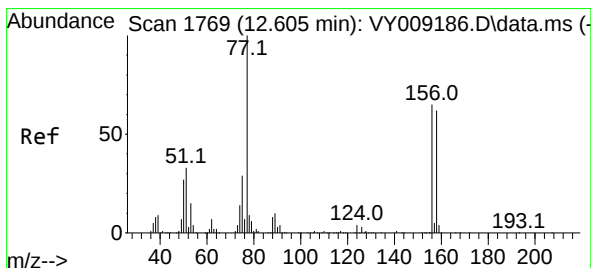
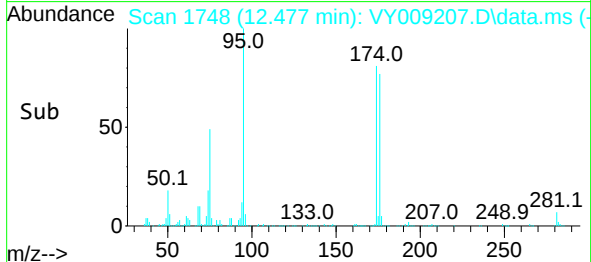
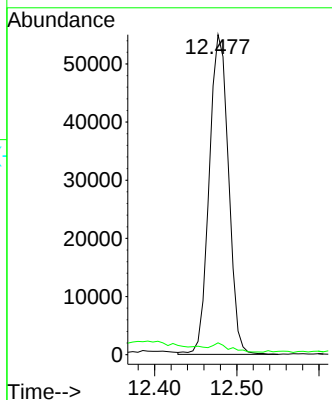
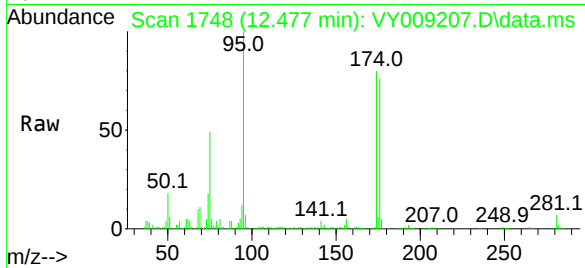




#76
1,2,3-Trichloropropane
Concen: 44.041 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.152 min
Lab File: VY009207.D
Acq: 16 Jun 2022 17:16

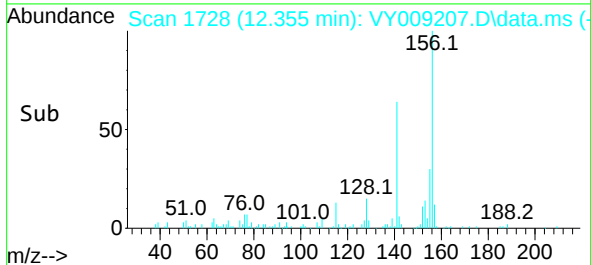
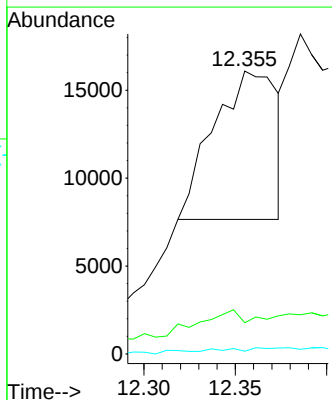
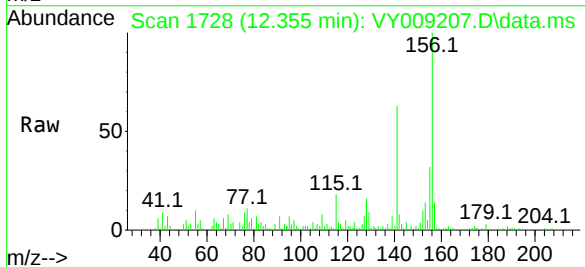
Instrument :
MSVOA_Y
ClientSampleId :

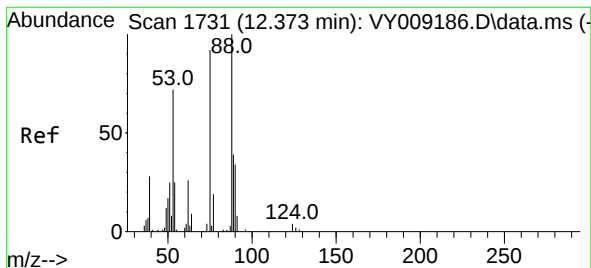
Tgt Ion: 75 Resp: 89563
Ion Ratio Lower Upper
75 100
77 2.4 0.0 0.0#



#77
Bromobenzene
Concen: 5.940 ug/l
RT: 12.355 min Scan# 1728
Delta R.T. -0.250 min
Lab File: VY009207.D
Acq: 16 Jun 2022 17:16

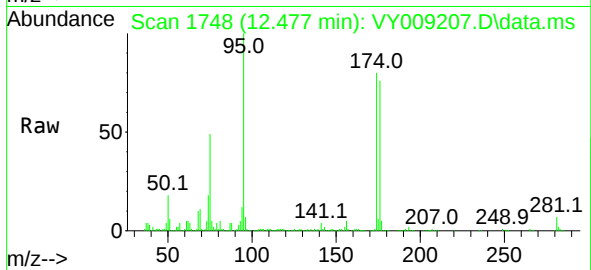
Tgt Ion:156 Resp: 20230
Ion Ratio Lower Upper
156 100
77 6.8 95.5 286.4#
158 0.7 48.0 144.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.769 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY009207.D
 Acq: 16 Jun 2022 17:16

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 89563
 Ion Ratio Lower Upper
 75 100
 53 0.3 85.3 127.9#
 89 0.5 37.0 55.4#

