

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061722\
 Data File : VY009228.D
 Acq On : 17 Jun 2022 15:41
 Operator : KP/MD
 Sample : N3383-06
 Misc : 6.47g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 17 22:54:22 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)

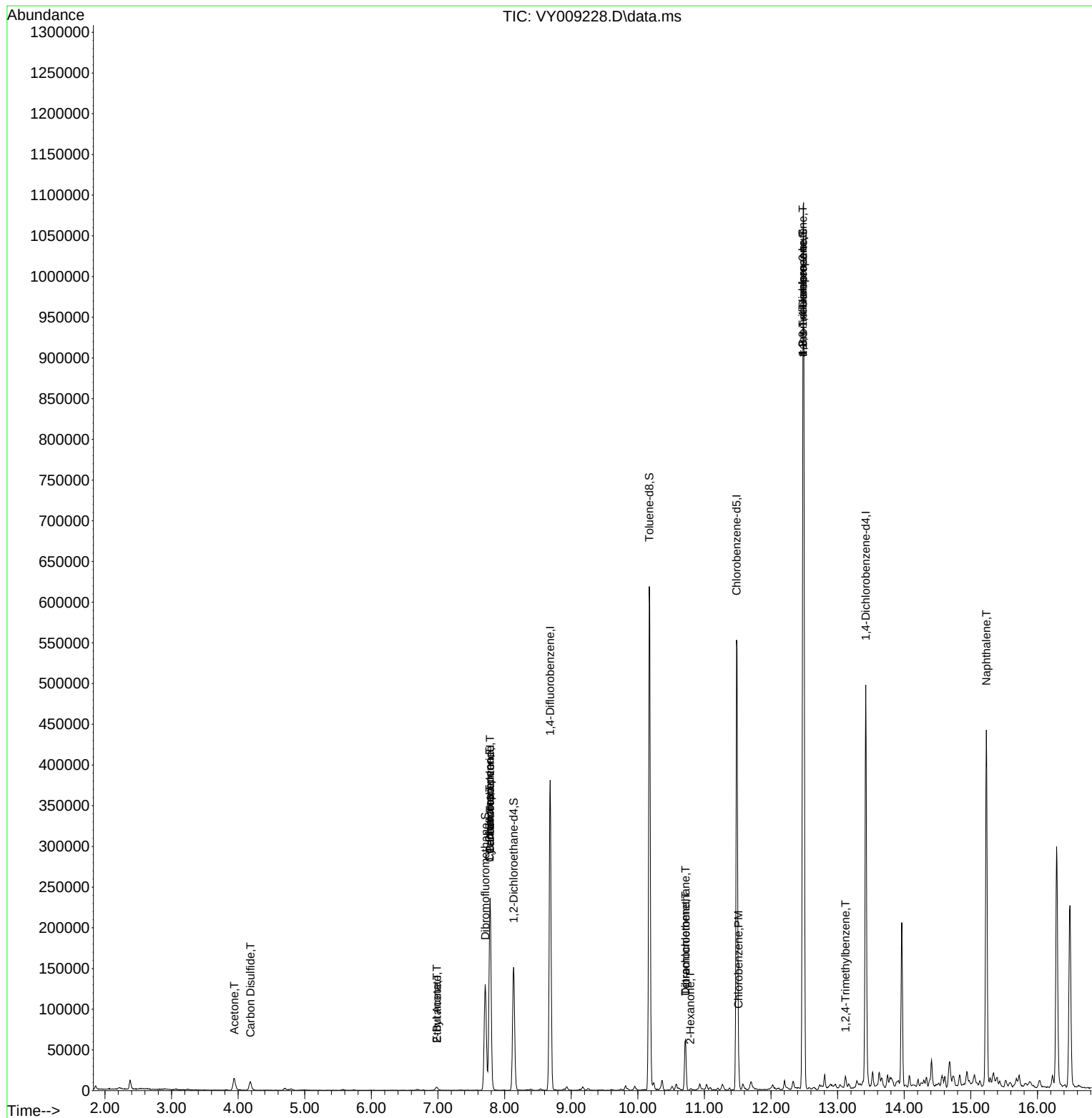
Internal Standards						
1) Pentafluorobenzene	7.783	168	186133	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	323624	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	301264	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	125026	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	112187	57.699	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.400%	
35) Dibromofluoromethane	7.710	113	90507	44.607	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 89.220%	
50) Toluene-d8	10.173	98	391732	50.718	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.440%	
62) 4-Bromofluorobenzene	12.477	95	134344	48.947	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.900%	
Target Compounds						Qvalue
13) Acrolein	3.936	56	35	Below Cal		96
16) Acetone	3.942	43	24579	50.184	ug/l	91
17) Carbon Disulfide	4.186	76	19929	3.887	ug/l	97
18) Methyl Acetate	4.448	43	61	Below Cal	#	56
20) Methylene Chloride	4.710	84	1570	Below Cal	#	75
25) 2-Butanone	6.984	43	4495	5.800	ug/l	91
31) Cyclohexane	7.777	56	3969	1.140	ug/l #	4
36) 1,1-Dichloropropene	7.777	75	13808	4.424	ug/l #	50
37) Ethyl Acetate	6.984	43	4495	2.420	ug/l #	87
38) Carbon Tetrachloride	7.783	117	18074	5.600	ug/l #	14
59) 2-Hexanone	10.788	43	1385	1.117	ug/l #	28
60) Dibromochloromethane	10.715	129	11559	5.020	ug/l #	11
64) Tetrachloroethene	10.715	164	13464	4.824	ug/l	95
65) Chlorobenzene	11.514	112	13423	2.057	ug/l	97
76) 1,2,3-Trichloropropane	12.477	75	75096	54.398	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	75096	108.409	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.117	105	8352	1.082	ug/l	92
95) Naphthalene	15.233	128	355280	67.189	ug/l	99

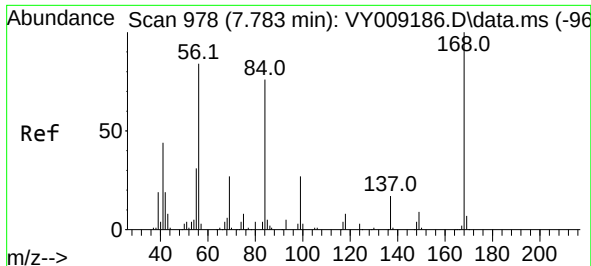
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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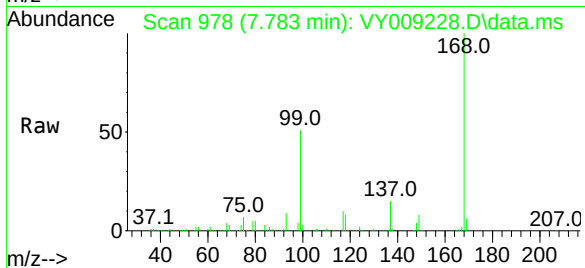
Quant Time: Jun 17 22:54:22 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061522S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 16 02:54:06 2022
Response via : Initial Calibration



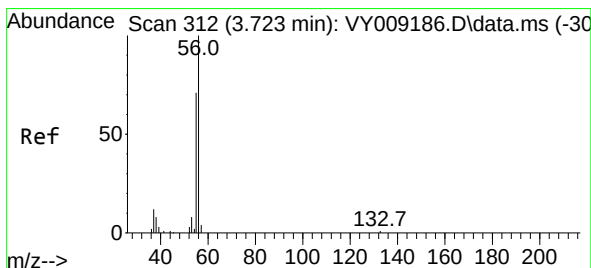
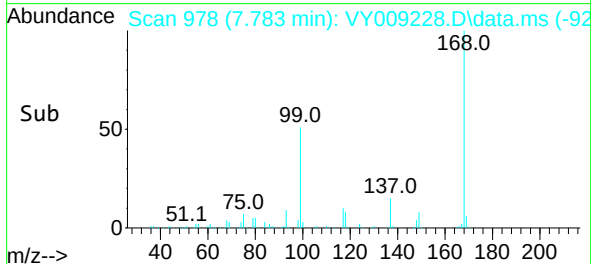
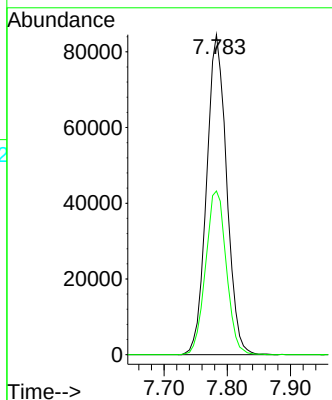


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009228.D
Acq: 17 Jun 2022 15:41

Instrument :
MSVOA_Y
ClientSampleId :

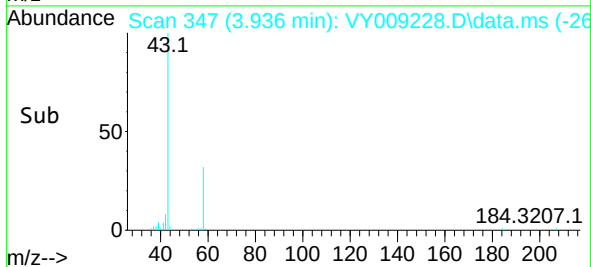
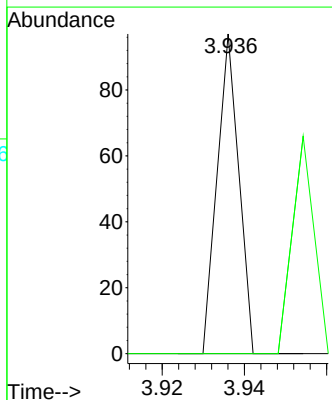
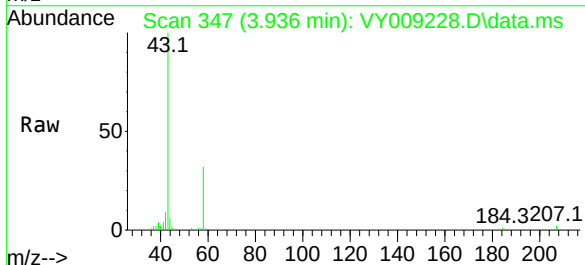


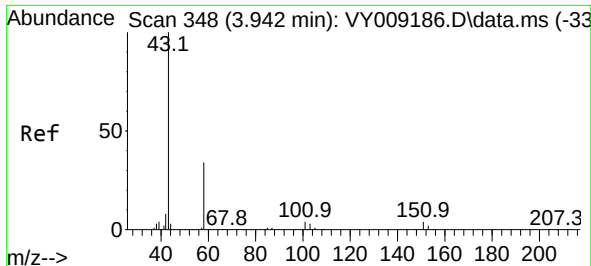
Tgt Ion:168 Resp: 186133
Ion Ratio Lower Upper
168 100
99 51.1 46.9 70.3



#13
Acrolein
Concen: Below Cal
RT: 3.936 min Scan# 347
Delta R.T. 0.213 min
Lab File: VY009228.D
Acq: 17 Jun 2022 15:41

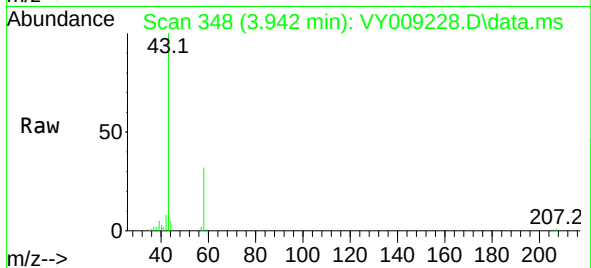
Tgt Ion: 56 Resp: 35
Ion Ratio Lower Upper
56 100
55 68.6 57.6 86.4



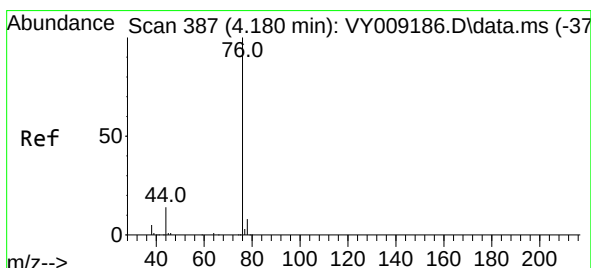
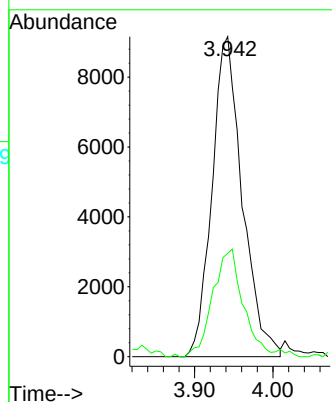
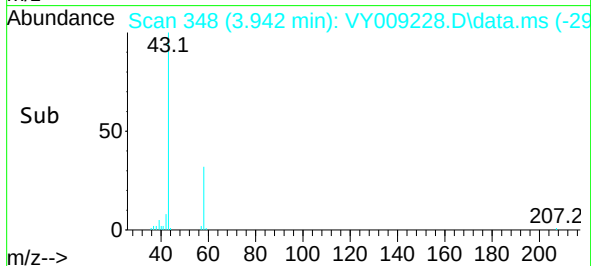


#16
Acetone
Concen: 50.184 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY009228.D
Acq: 17 Jun 2022 15:41

Instrument :
MSVOA_Y
ClientSampleId :

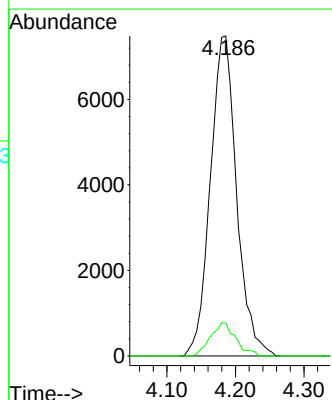
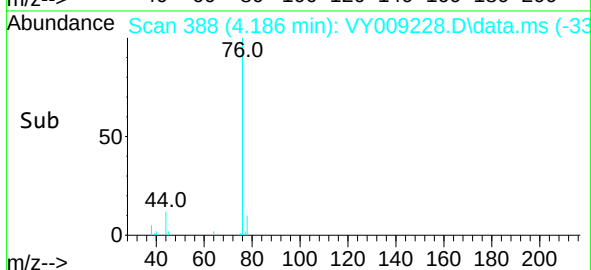
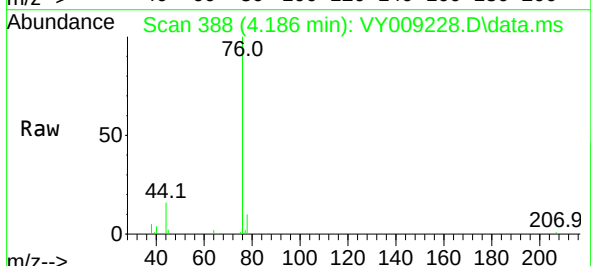


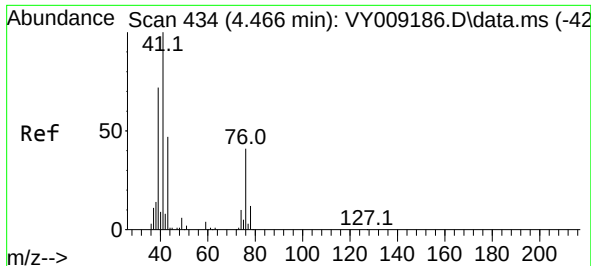
Tgt Ion: 43 Resp: 24579
Ion Ratio Lower Upper
43 100
58 32.3 22.0 33.0



#17
Carbon Disulfide
Concen: 3.887 ug/l
RT: 4.186 min Scan# 388
Delta R.T. 0.006 min
Lab File: VY009228.D
Acq: 17 Jun 2022 15:41

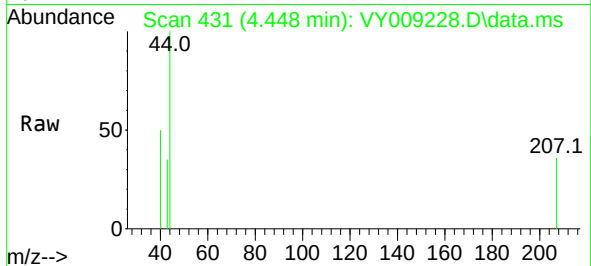
Tgt Ion: 76 Resp: 19929
Ion Ratio Lower Upper
76 100
78 10.3 7.4 11.0



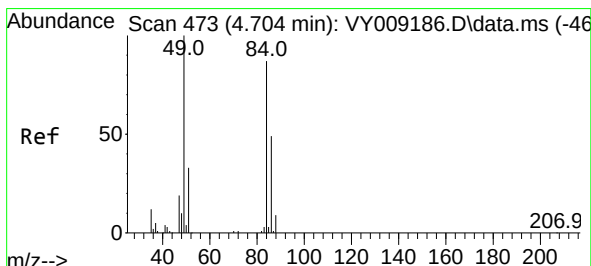
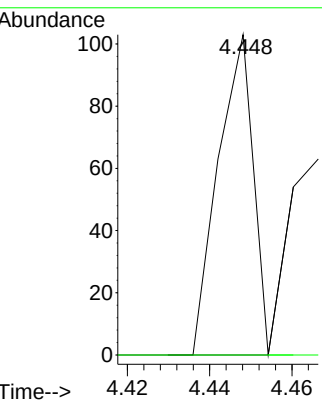
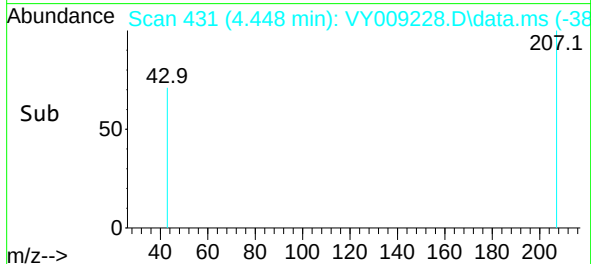


#18
Methyl Acetate
Concen: Below Cal
RT: 4.448 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY009228.D
Acq: 17 Jun 2022 15:41

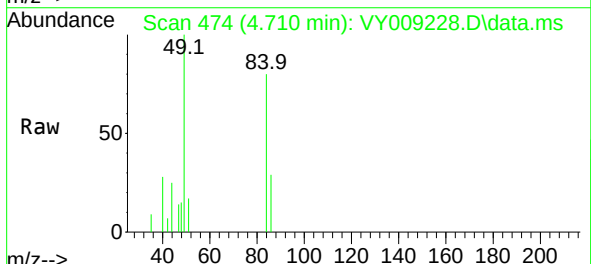
Instrument :
MSVOA_Y
ClientSampleId :



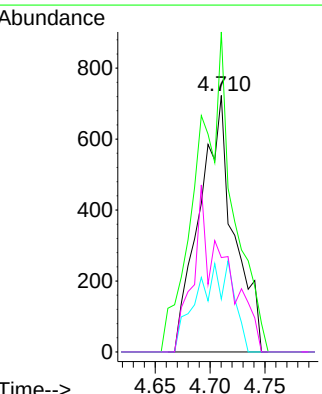
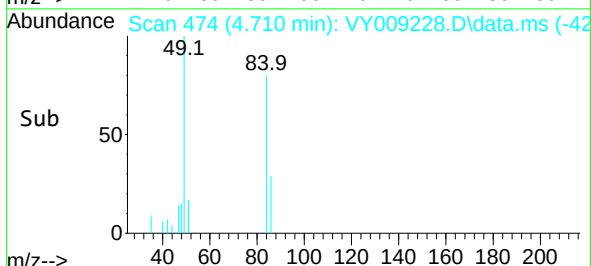
Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

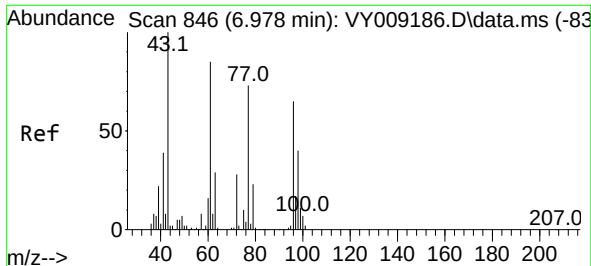


#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY009228.D
Acq: 17 Jun 2022 15:41



Tgt Ion: 84 Resp: 1570
Ion Ratio Lower Upper
84 100
49 124.8 114.4 171.6
51 20.6 35.3 52.9#
86 36.8 53.7 80.5#

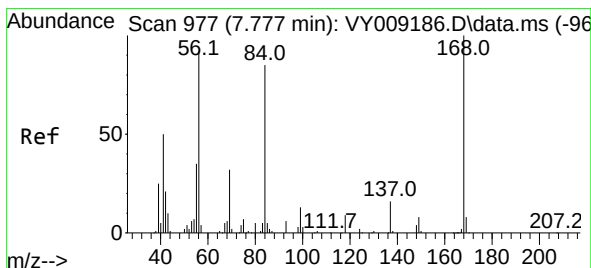
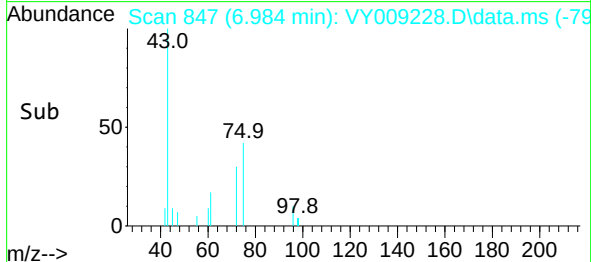
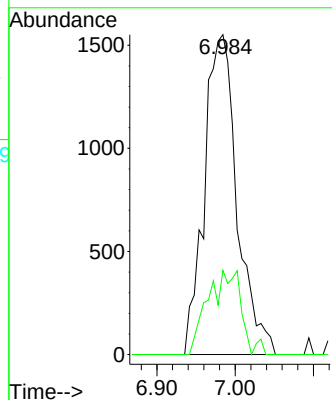
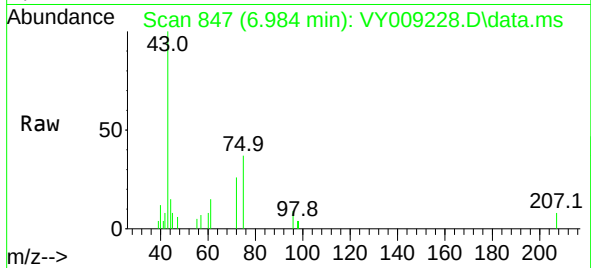




#25
2-Butanone
Concen: 5.800 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY009228.D
Acq: 17 Jun 2022 15:41

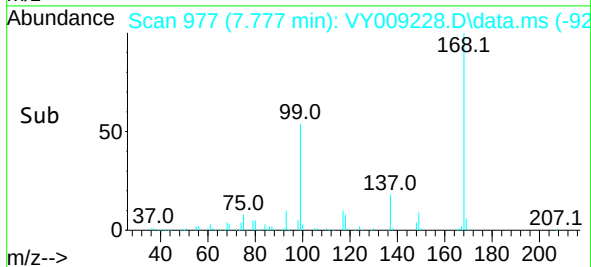
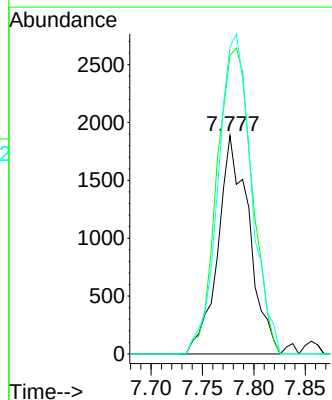
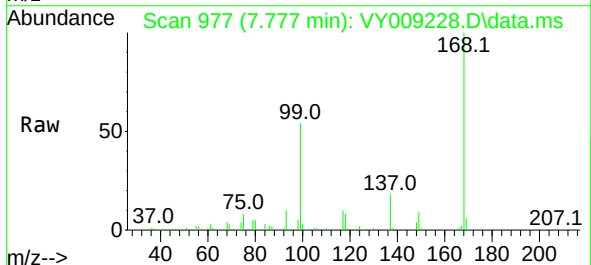
Instrument :
MSVOA_Y
ClientSampleId :

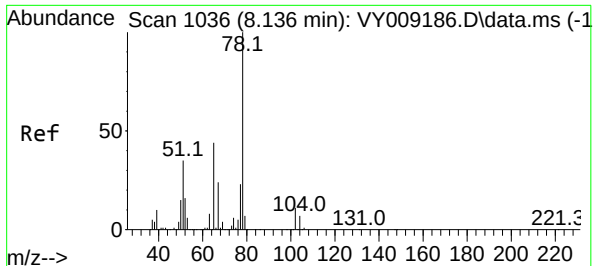
Tgt Ion: 43 Resp: 4495
Ion Ratio Lower Upper
43 100
72 26.3 17.7 26.5



#31
Cyclohexane
Concen: 1.140 ug/l
RT: 7.777 min Scan# 977
Delta R.T. 0.000 min
Lab File: VY009228.D
Acq: 17 Jun 2022 15:41

Tgt Ion: 56 Resp: 3969
Ion Ratio Lower Upper
56 100
69 136.6 26.7 40.1#
84 140.4 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 57.699 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY009228.D

Acq: 17 Jun 2022 15:41

Instrument :

MSVOA_Y

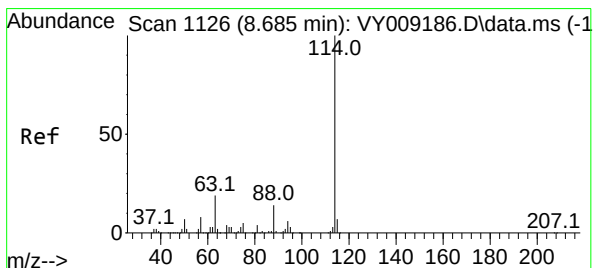
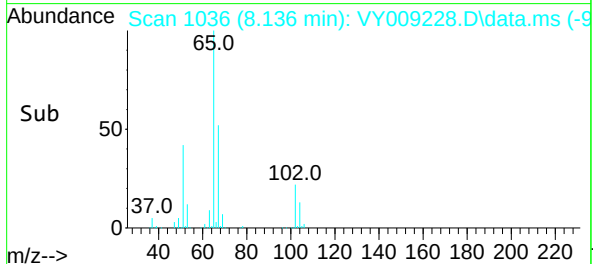
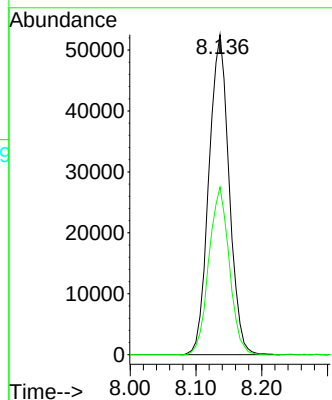
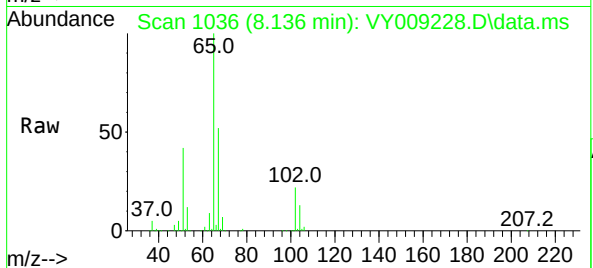
ClientSampleId :

Tgt Ion: 65 Resp: 112187

Ion Ratio Lower Upper

65 100

67 52.9 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: VY009228.D

Acq: 17 Jun 2022 15:41

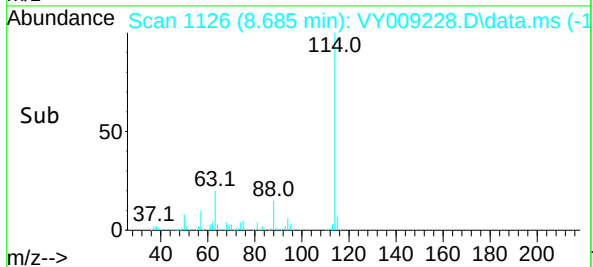
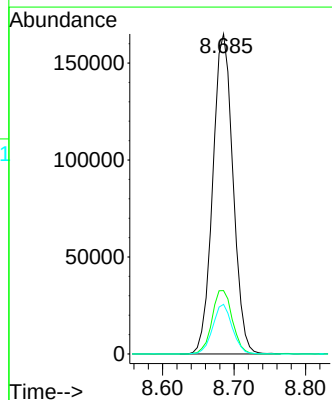
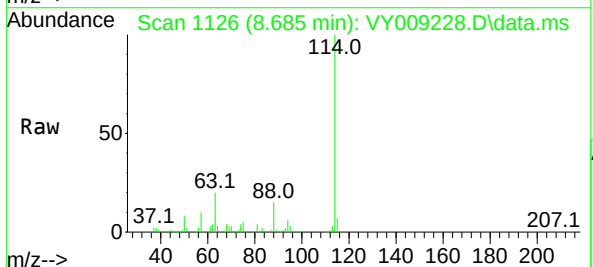
Tgt Ion: 114 Resp: 323624

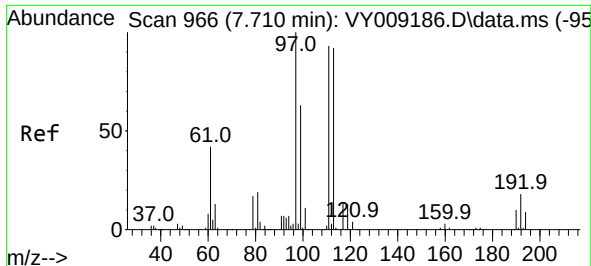
Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.2

88 15.5 0.0 31.8

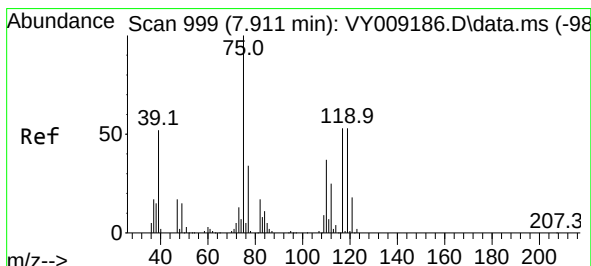
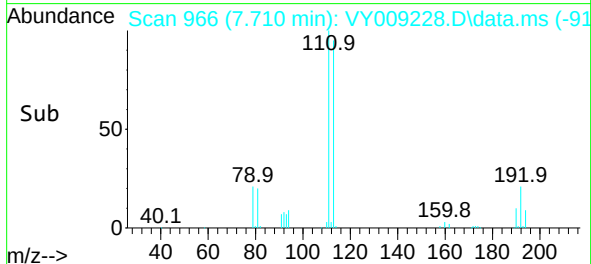
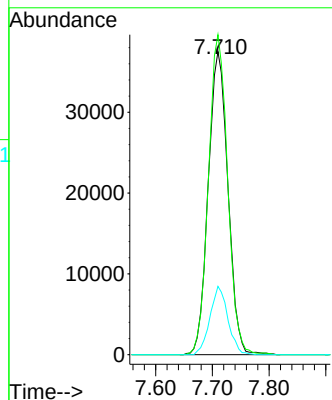
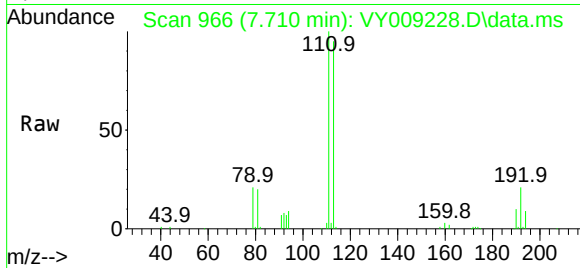




#35
Dibromofluoromethane
Concen: 44.607 ug/l
RT: 7.710 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY009228.D
Acq: 17 Jun 2022 15:41

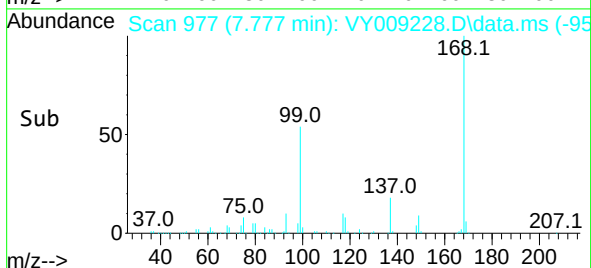
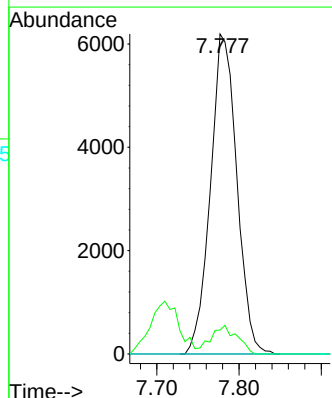
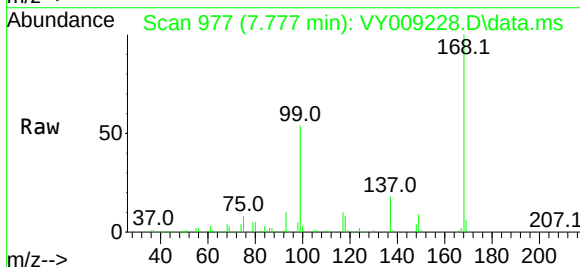
Instrument :
MSVOA_Y
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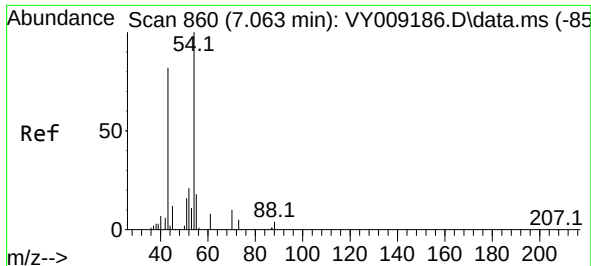
Tgt Ion:113 Resp: 90507
Ion Ratio Lower Upper
113 100
111 103.0 82.6 124.0
192 20.6 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.424 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY009228.D
Acq: 17 Jun 2022 15:41

Tgt Ion: 75 Resp: 13808
Ion Ratio Lower Upper
75 100
110 8.6 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.420 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.079 min

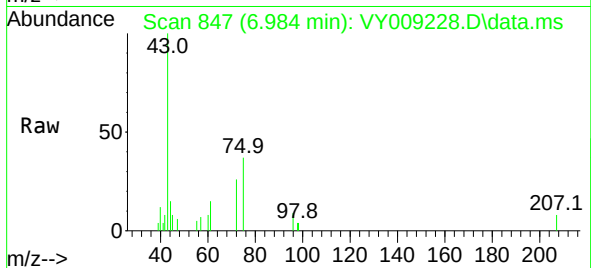
Lab File: VY009228.D

Acq: 17 Jun 2022 15:41

Instrument :

MSVOA_Y

ClientSampleId :



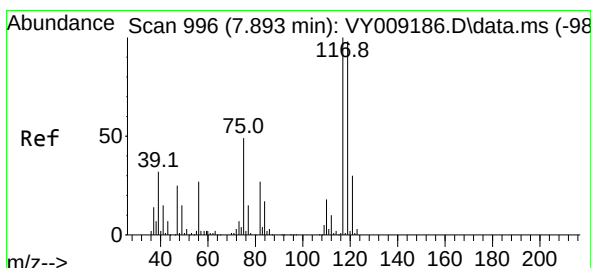
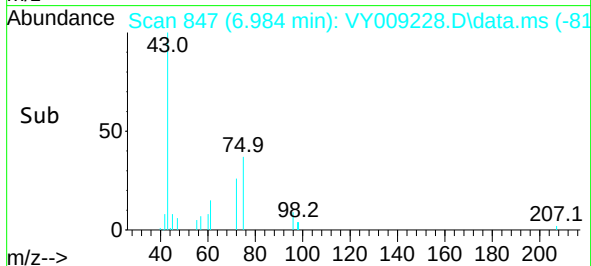
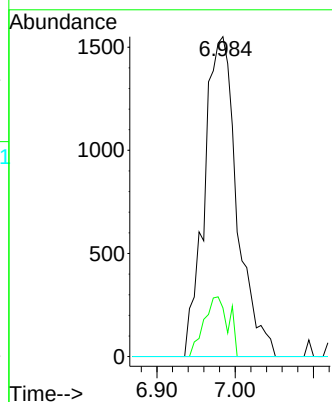
Tgt Ion: 43 Resp: 4495

Ion Ratio Lower Upper

43 100

61 13.9 9.7 14.5

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.600 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.110 min

Lab File: VY009228.D

Acq: 17 Jun 2022 15:41

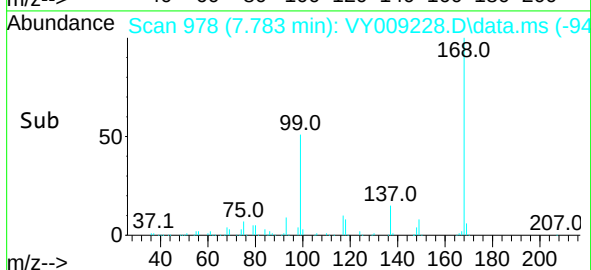
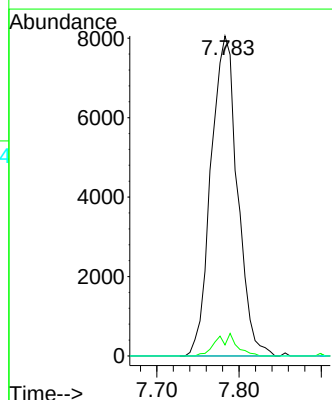
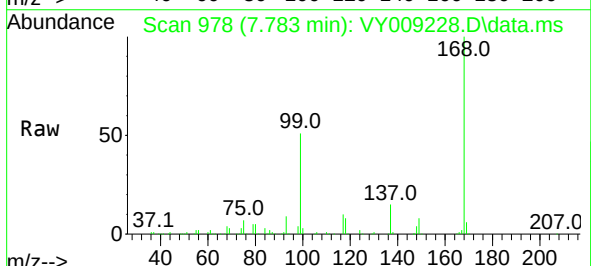
Tgt Ion: 117 Resp: 18074

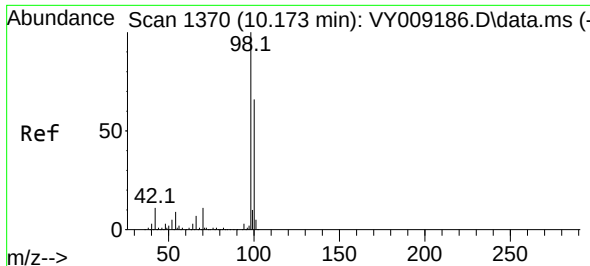
Ion Ratio Lower Upper

117 100

119 3.4 77.9 116.9#

121 0.0 24.8 37.2#

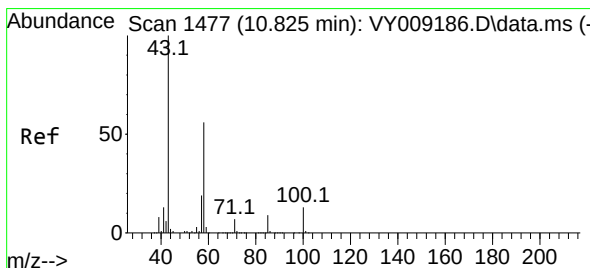
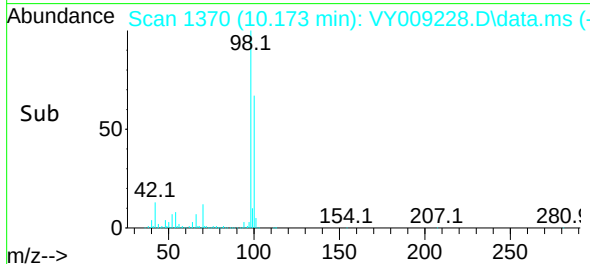
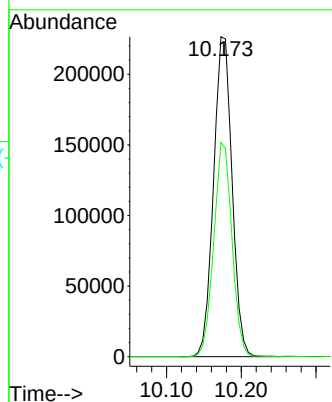
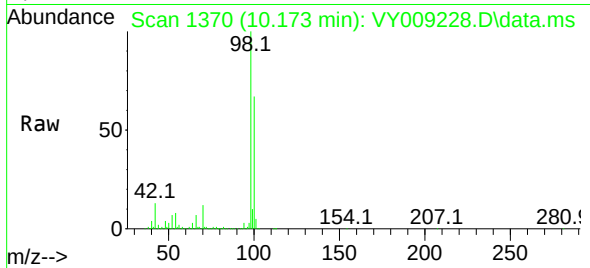




#50
Toluene-d8
Concen: 50.718 ug/l
RT: 10.173 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009228.D
Acq: 17 Jun 2022 15:41

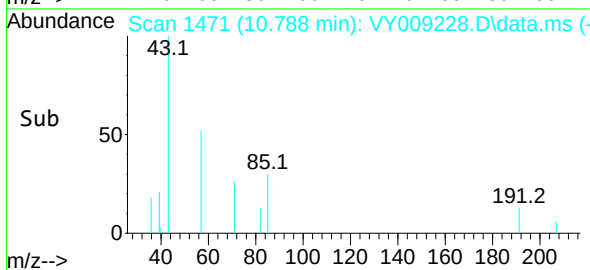
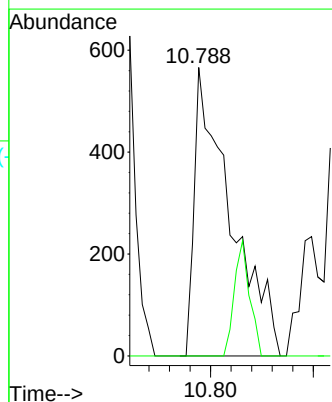
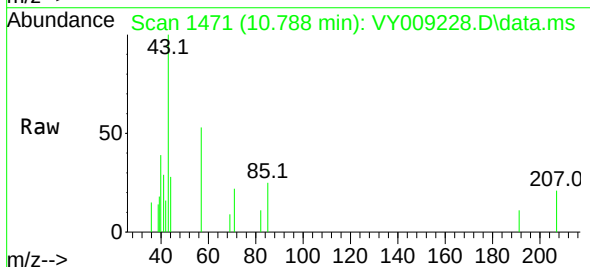
Instrument :
MSVOA_Y
ClientSampleId :

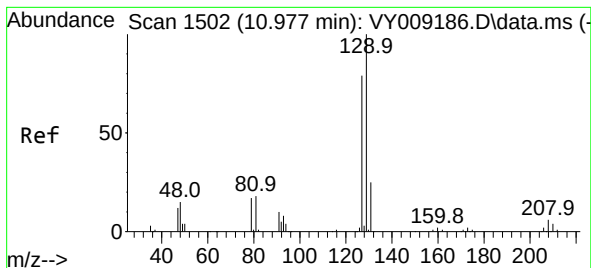
Tgt Ion: 98 Resp: 391732
Ion Ratio Lower Upper
98 100
100 65.7 50.2 75.2



#59
2-Hexanone
Concen: 1.117 ug/l
RT: 10.788 min Scan# 1471
Delta R.T. -0.037 min
Lab File: VY009228.D
Acq: 17 Jun 2022 15:41

Tgt Ion: 43 Resp: 1385
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#

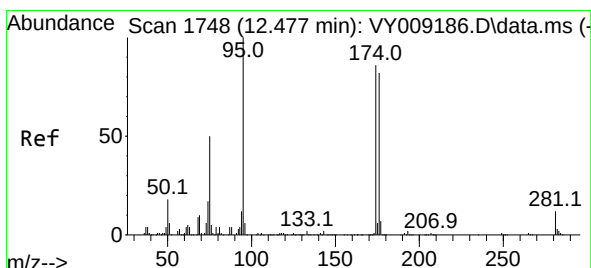
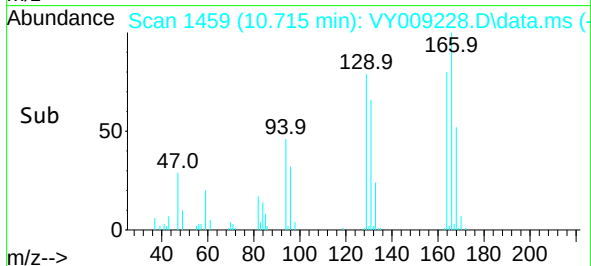
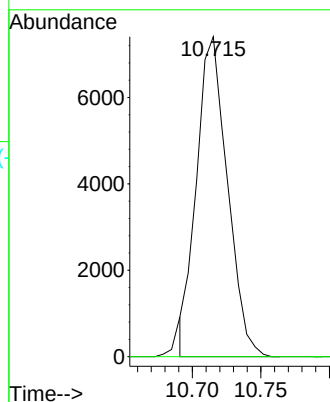
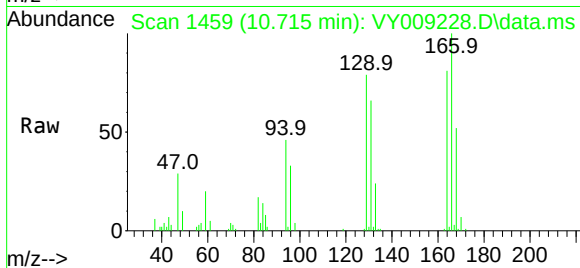




#60
Dibromochloromethane
Concen: 5.020 ug/l
RT: 10.715 min Scan# 14
Delta R.T. -0.262 min
Lab File: VY009228.D
Acq: 17 Jun 2022 15:41

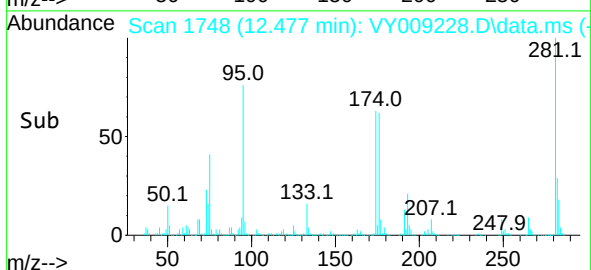
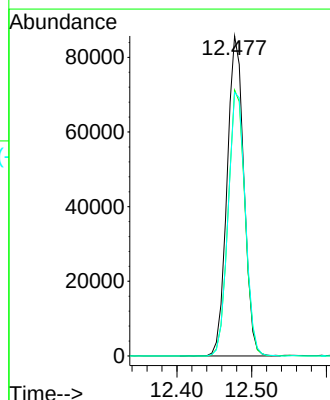
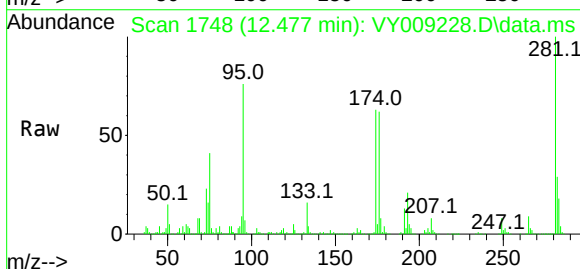
Instrument :
MSVOA_Y
ClientSampleId :

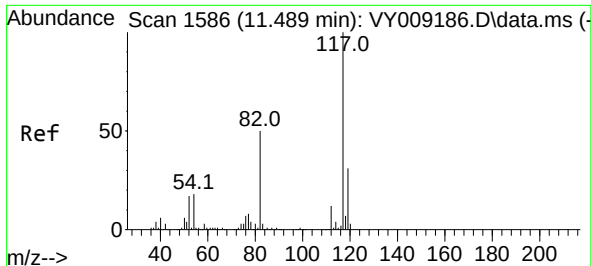
Tgt Ion:129 Resp: 11559
Ion Ratio Lower Upper
129 100
127 0.0 38.7 116.1#



#62
4-Bromofluorobenzene
Concen: 48.947 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009228.D
Acq: 17 Jun 2022 15:41

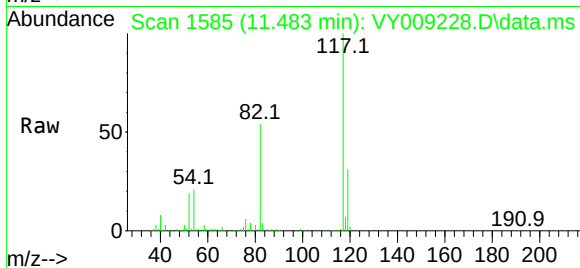
Tgt Ion: 95 Resp: 134344
Ion Ratio Lower Upper
95 100
174 82.7 0.0 177.0
176 83.7 0.0 175.8



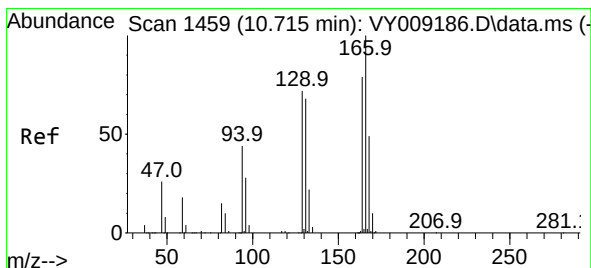
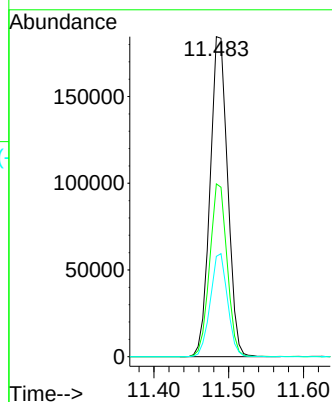
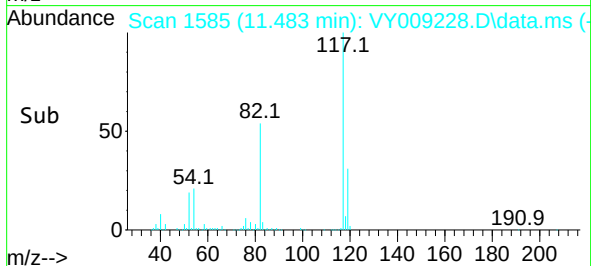


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY009228.D
Acq: 17 Jun 2022 15:41

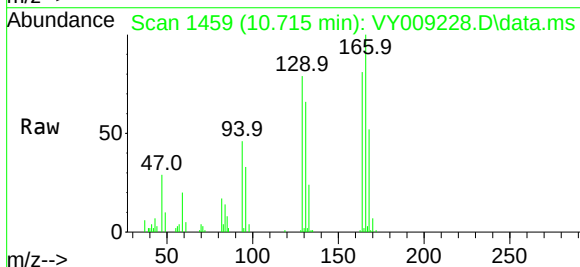
Instrument :
MSVOA_Y
ClientSampleId :



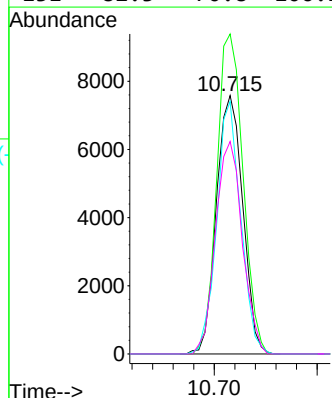
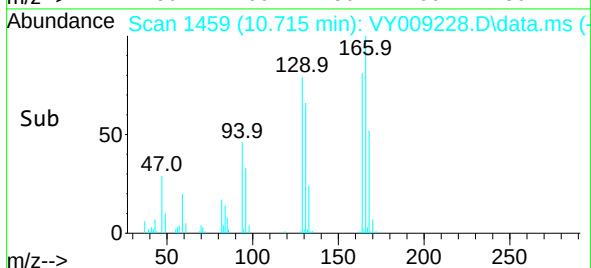
Tgt Ion:117 Resp: 301264
Ion Ratio Lower Upper
117 100
82 54.0 43.0 64.4
119 31.4 25.4 38.0

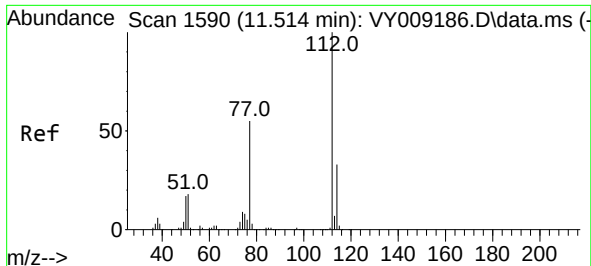


#64
Tetrachloroethene
Concen: 4.824 ug/l
RT: 10.715 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VY009228.D
Acq: 17 Jun 2022 15:41



Tgt Ion:164 Resp: 13464
Ion Ratio Lower Upper
164 100
166 123.9 100.4 150.6
129 97.7 71.4 107.0
131 82.3 70.8 106.2

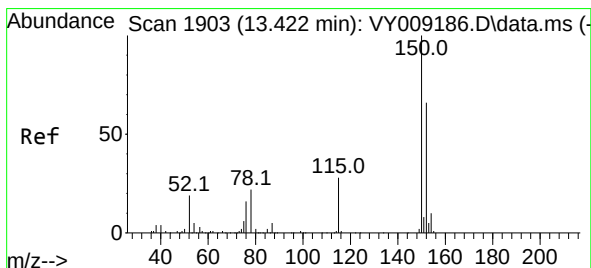
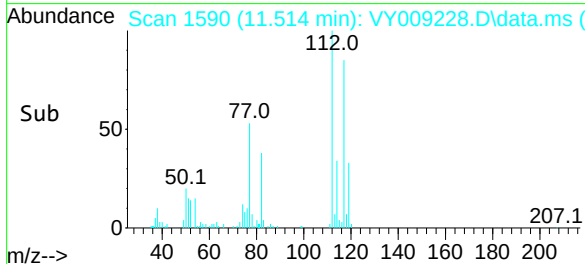
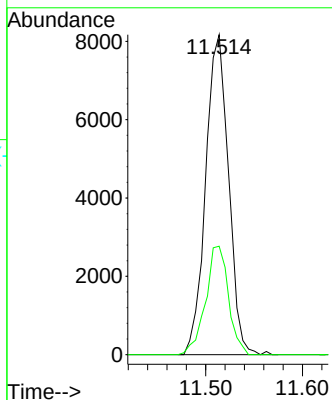
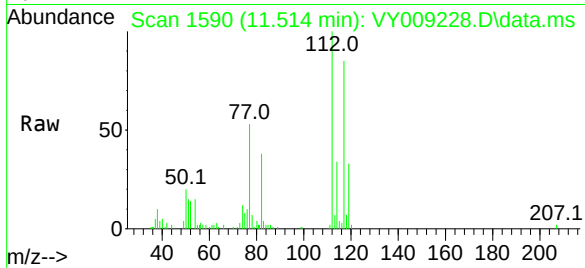




#65
Chlorobenzene
Concen: 2.057 ug/l
RT: 11.514 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009228.D
Acq: 17 Jun 2022 15:41

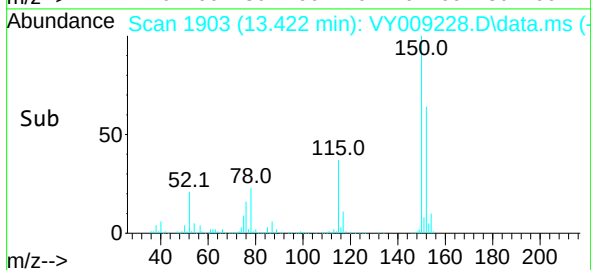
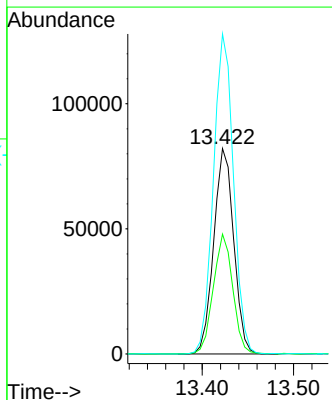
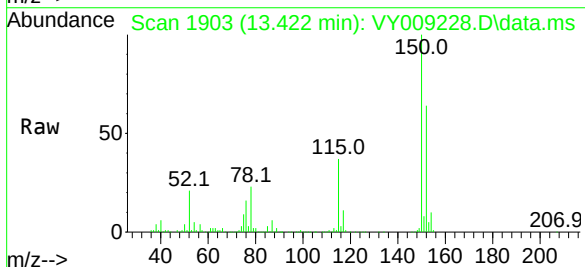
Instrument :
MSVOA_Y
ClientSampleId :

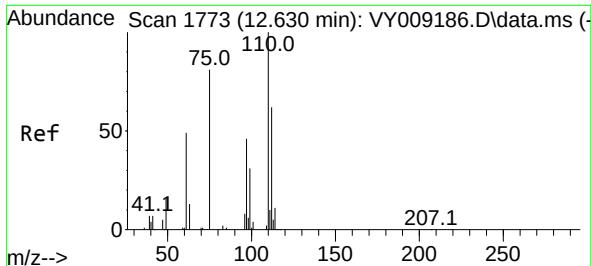
Tgt Ion:112 Resp: 13423
Ion Ratio Lower Upper
112 100
114 33.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009228.D
Acq: 17 Jun 2022 15:41

Tgt Ion:152 Resp: 125026
Ion Ratio Lower Upper
152 100
115 56.8 28.2 84.7
150 156.0 0.0 347.6

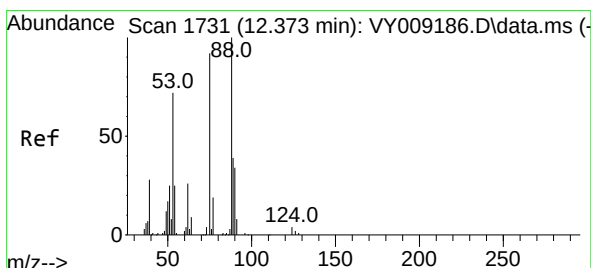
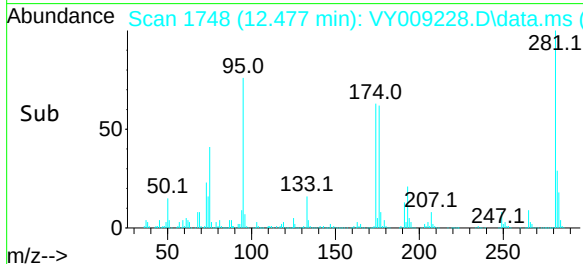
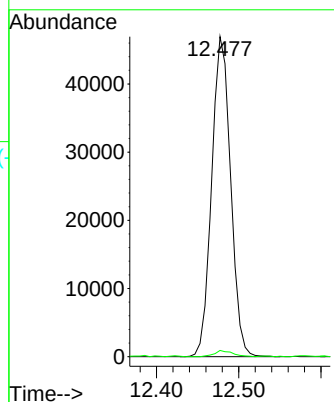
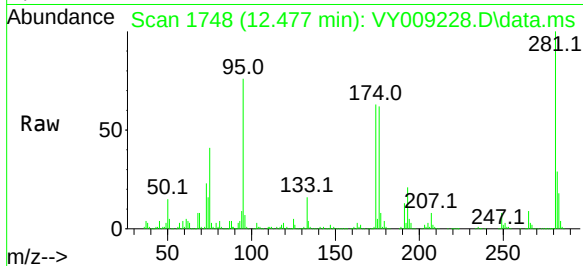




#76
1,2,3-Trichloropropane
Concen: 54.398 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.152 min
Lab File: VY009228.D
Acq: 17 Jun 2022 15:41

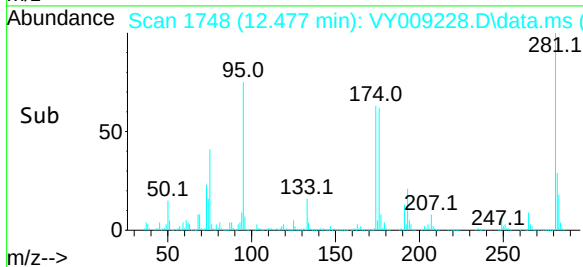
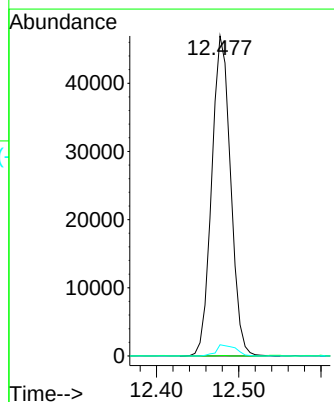
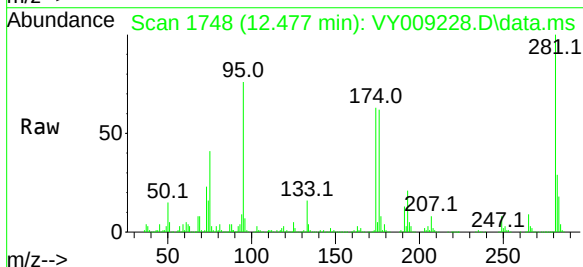
Instrument :
MSVOA_Y
ClientSampleId :

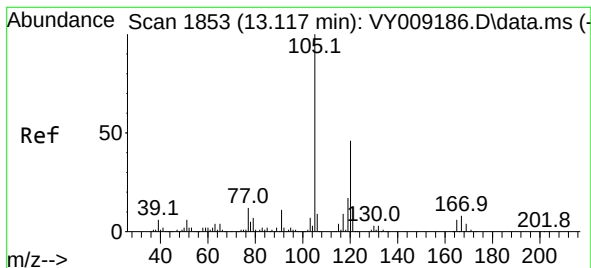
Tgt Ion: 75 Resp: 75096
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.409 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009228.D
Acq: 17 Jun 2022 15:41

Tgt Ion: 75 Resp: 75096
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 3.6 37.0 55.4#





#84

1,2,4-Trimethylbenzene

Concen: 1.082 ug/l

RT: 13.117 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY009228.D

Acq: 17 Jun 2022 15:41

Instrument :

MSVOA_Y

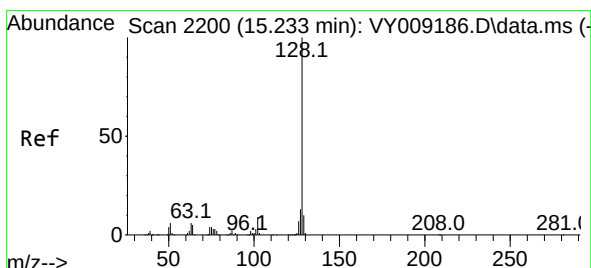
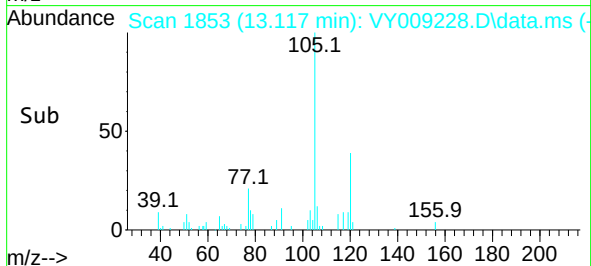
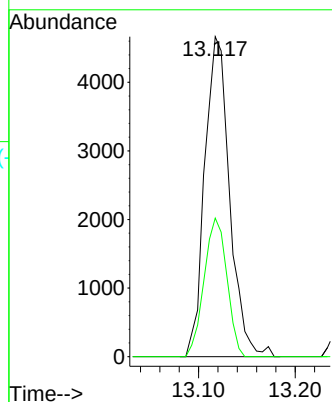
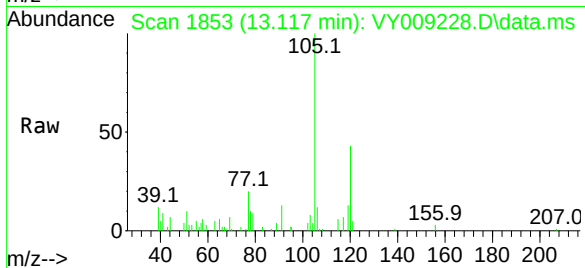
ClientSampleId :

Tgt Ion:105 Resp: 8352

Ion Ratio Lower Upper

105 100

120 39.5 22.3 66.9



#95

Naphthalene

Concen: 67.189 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. 0.000 min

Lab File: VY009228.D

Acq: 17 Jun 2022 15:41

Tgt Ion:128 Resp: 355280

Ion Ratio Lower Upper

128 100

127 13.1 11.0 16.4

129 11.0 8.4 12.6

