

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071122\
 Data File : VY009509.D
 Acq On : 11 Jul 2022 14:48
 Operator : KP/MD
 Sample : N3595-04RE
 Misc : 5.38g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220488A-6ARE

Quant Time: Jul 12 05:03:06 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	125889	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	199509	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	166881	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	63339	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	48632	55.562	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.120%
35) Dibromofluoromethane	7.710	113	51371	48.936	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.880%
50) Toluene-d8	10.172	98	135991	46.715	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	93.440%
62) 4-Bromofluorobenzene	12.477	95	61293	41.363	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	82.720%

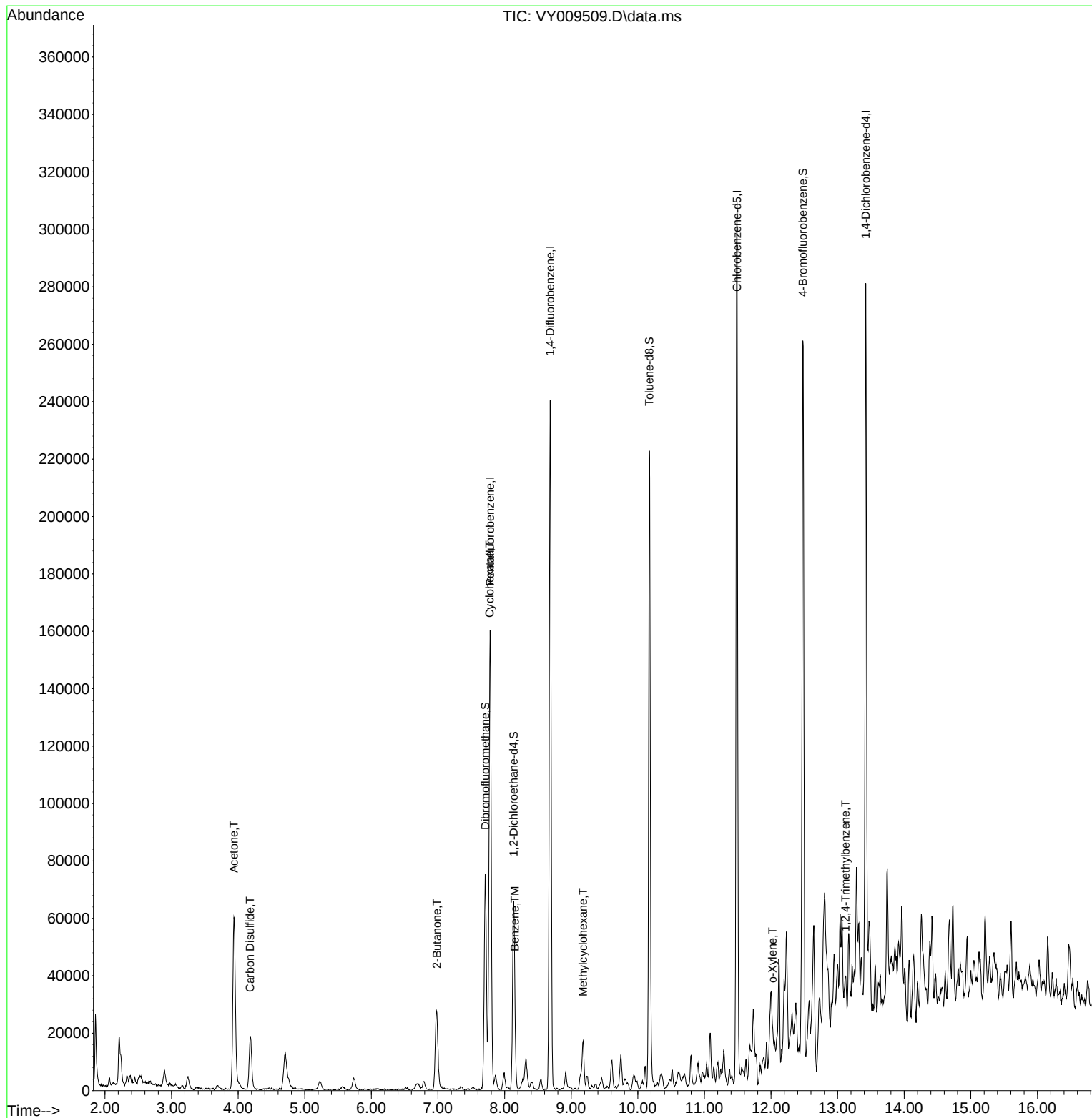
Target Compounds						Qvalue
16) Acetone	3.936	43	102801	335.683	ug/l	92
17) Carbon Disulfide	4.180	76	36325	14.097	ug/l	96
25) 2-Butanone	6.984	43	39915	80.570	ug/l	99
31) Cyclohexane	7.777	56	4376	2.119	ug/l #	57
39) Methylcyclohexane	9.179	83	5184	2.527	ug/l	96
40) Benzene	8.155	78	6863	1.368	ug/l	96
69) o-Xylene	12.026	106	2314	1.082	ug/l	87
84) 1,2,4-Trimethylbenzene	13.117	105	6721	1.865	ug/l	96

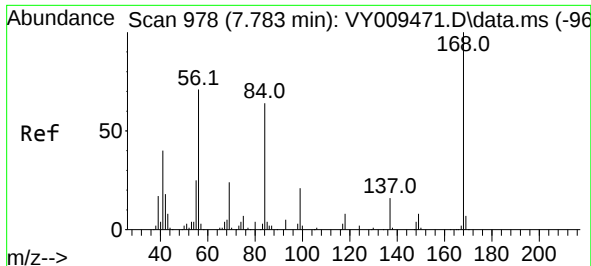
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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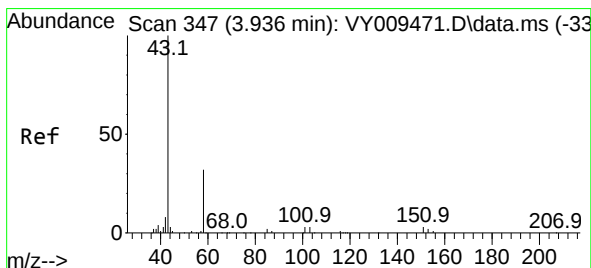
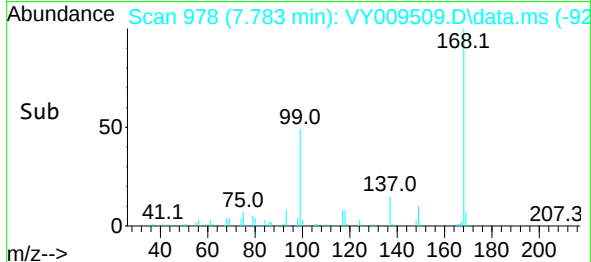
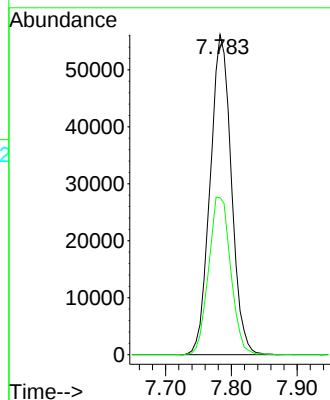
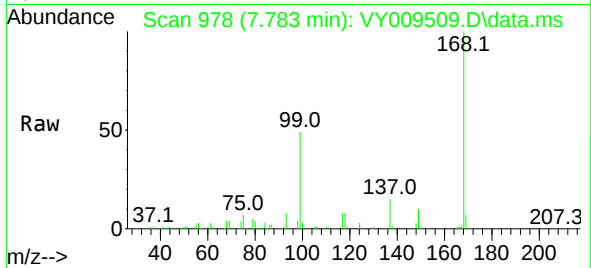




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009509.D
Acq: 11 Jul 2022 14:48

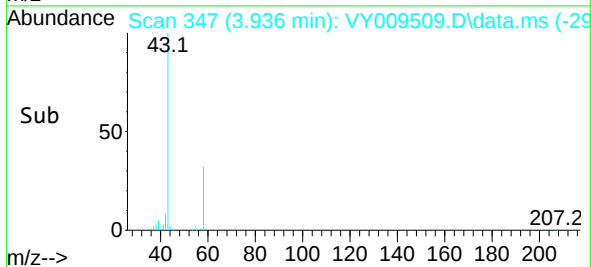
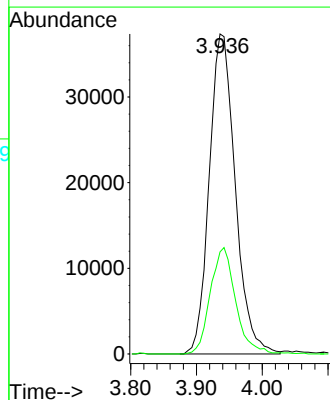
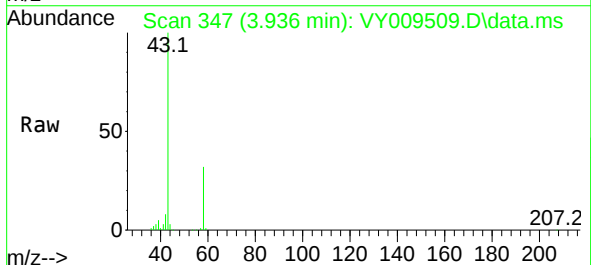
Instrument :
MSVOA_Y
ClientSampleId :
20220488A-6ARE

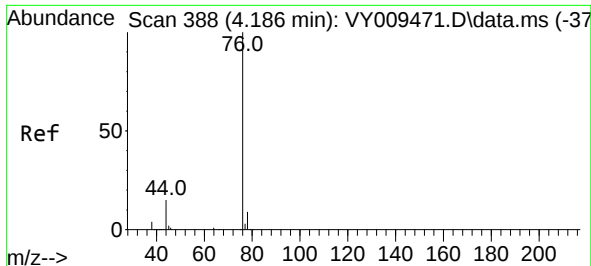
Tgt Ion:168 Resp: 125889
Ion Ratio Lower Upper
168 100
99 49.0 46.9 70.3



#16
Acetone
Concen: 335.683 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.000 min
Lab File: VY009509.D
Acq: 11 Jul 2022 14:48

Tgt Ion: 43 Resp: 102801
Ion Ratio Lower Upper
43 100
58 31.9 22.0 33.0

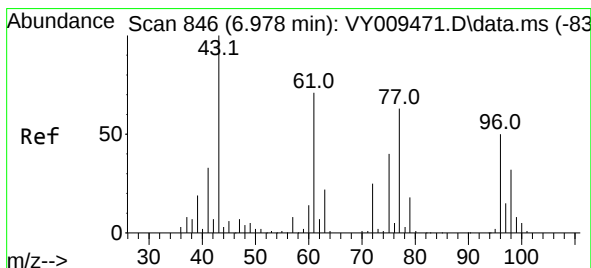
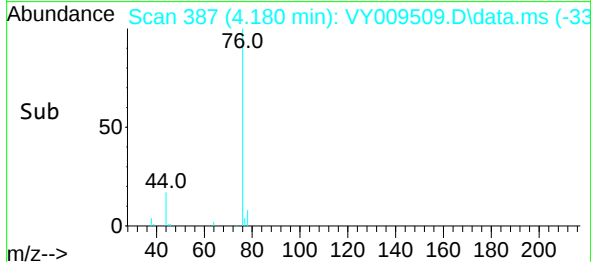
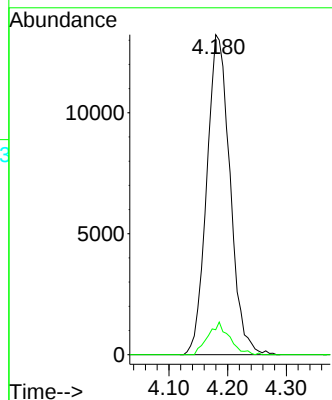
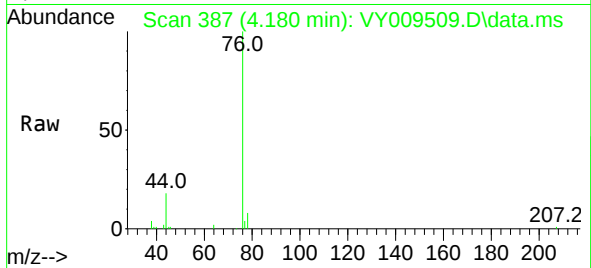




#17
Carbon Disulfide
Concen: 14.097 ug/l
RT: 4.180 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY009509.D
Acq: 11 Jul 2022 14:48

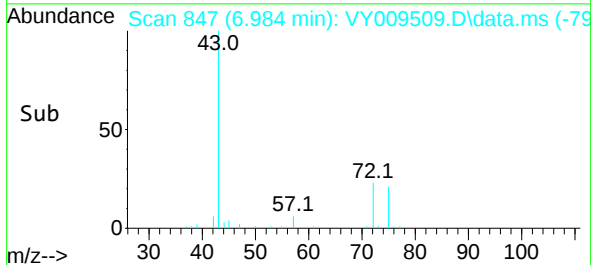
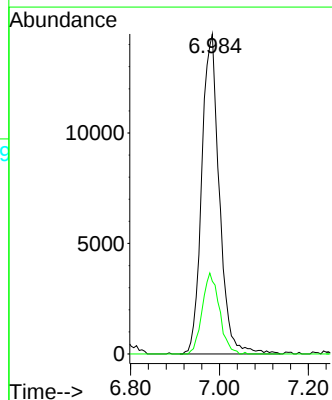
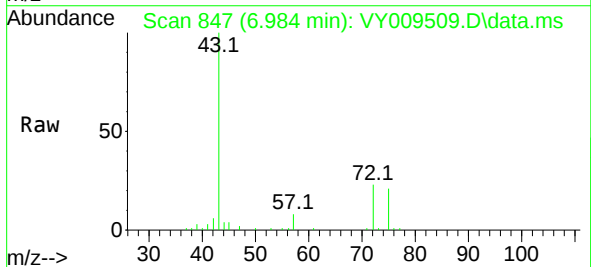
Instrument :
MSVOA_Y
ClientSampleId :
20220488A-6ARE

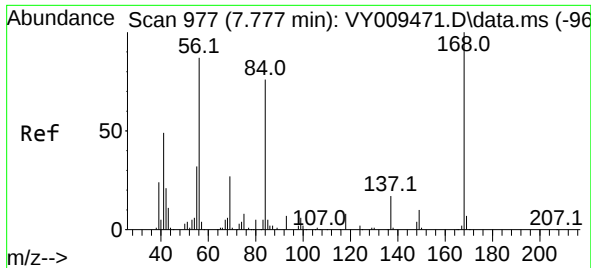
Tgt Ion: 76 Resp: 36325
Ion Ratio Lower Upper
76 100
78 7.8 7.4 11.0



#25
2-Butanone
Concen: 80.570 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY009509.D
Acq: 11 Jul 2022 14:48

Tgt Ion: 43 Resp: 39915
Ion Ratio Lower Upper
43 100
72 22.7 17.7 26.5

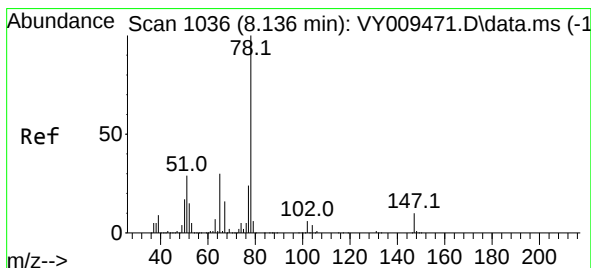
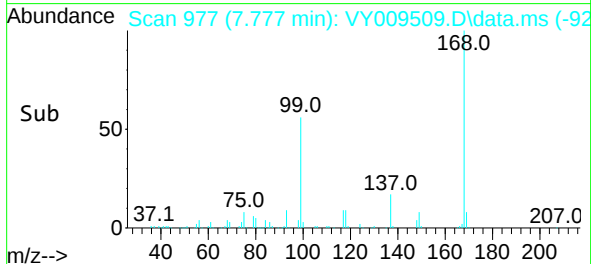
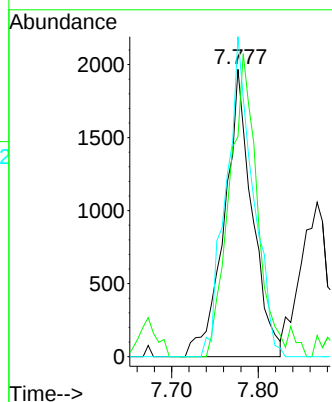
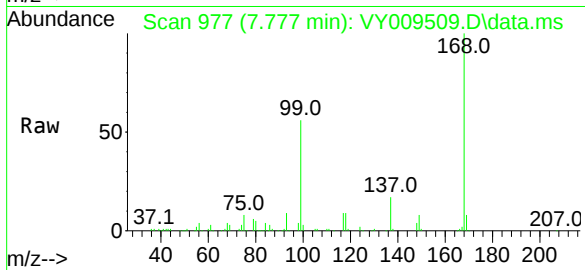




#31
Cyclohexane
Concen: 2.119 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009509.D
Acq: 11 Jul 2022 14:48

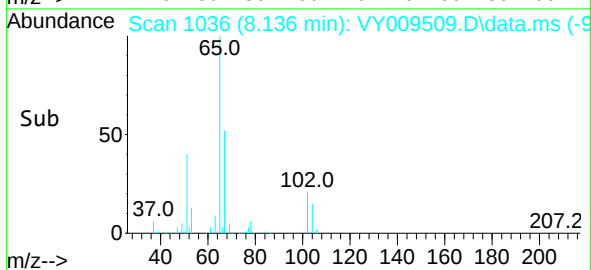
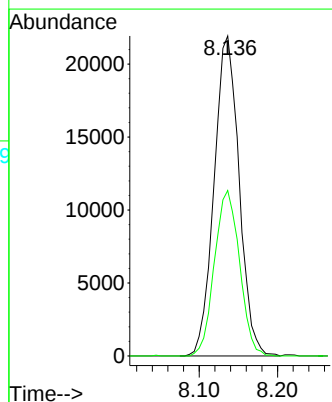
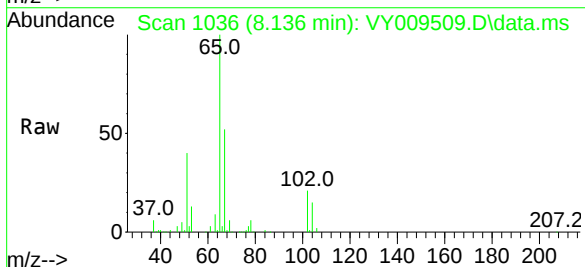
Instrument :
MSVOA_Y
ClientSampleId :
20220488A-6ARE

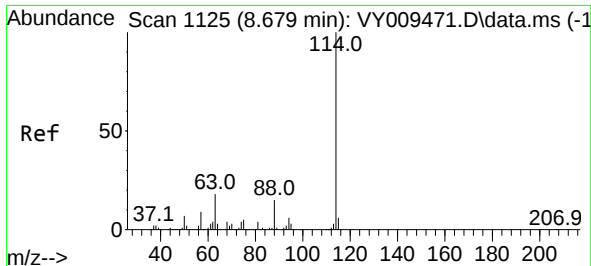
Tgt Ion: 56 Resp: 4376
Ion Ratio Lower Upper
56 100
69 76.5 26.7 40.1#
84 111.3 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 55.562 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY009509.D
Acq: 11 Jul 2022 14:48

Tgt Ion: 65 Resp: 48632
Ion Ratio Lower Upper
65 100
67 51.9 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: VY009509.D

Acq: 11 Jul 2022 14:48

Instrument :

MSVOA_Y

ClientSampleId :

20220488A-6ARE

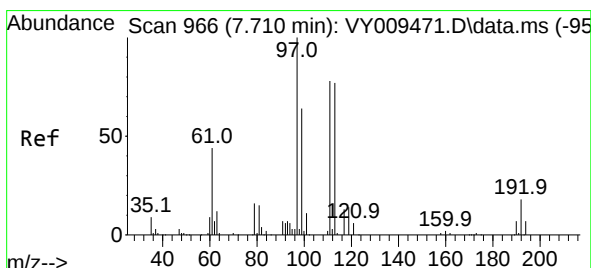
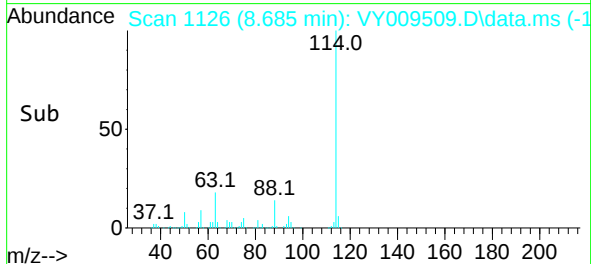
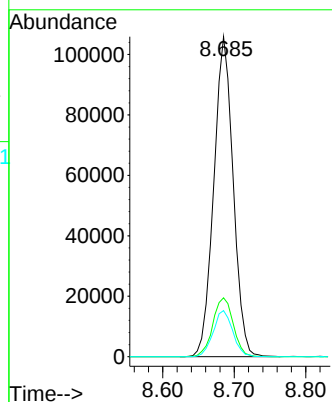
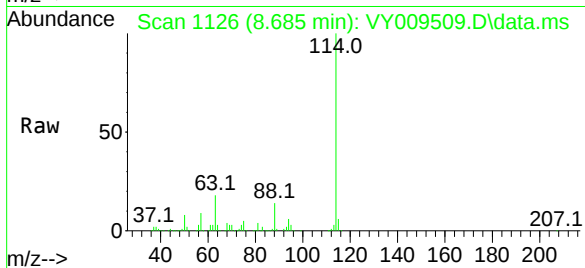
Tgt Ion:114 Resp: 199509

Ion Ratio Lower Upper

114 100

63 18.4 0.0 43.2

88 14.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 48.936 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009509.D

Acq: 11 Jul 2022 14:48

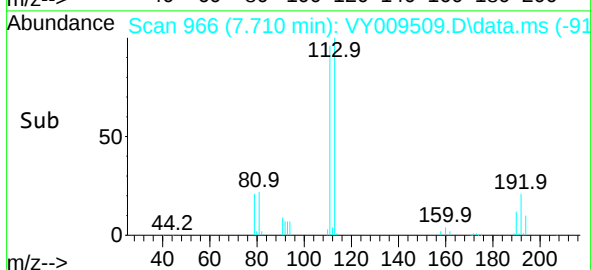
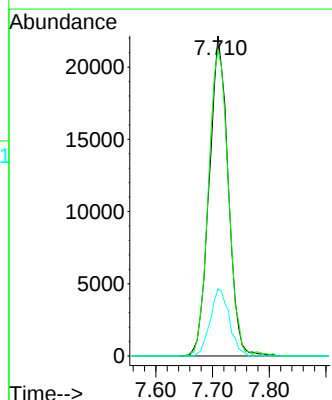
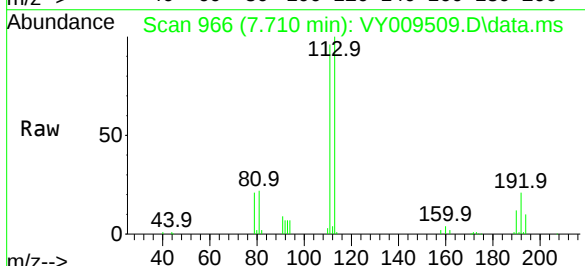
Tgt Ion:113 Resp: 51371

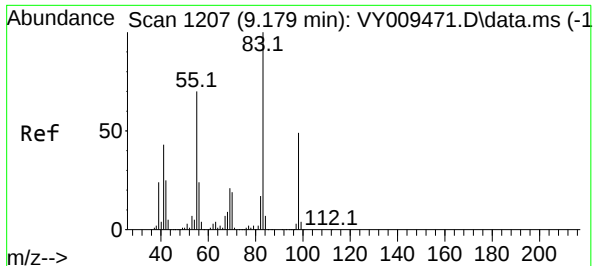
Ion Ratio Lower Upper

113 100

111 99.9 82.6 124.0

192 21.1 17.6 26.4





#39

Methylcyclohexane

Concen: 2.527 ug/l

RT: 9.179 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY009509.D

Acq: 11 Jul 2022 14:48

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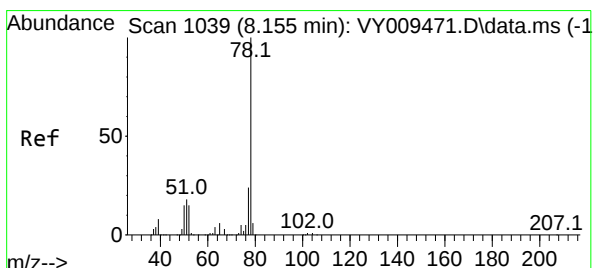
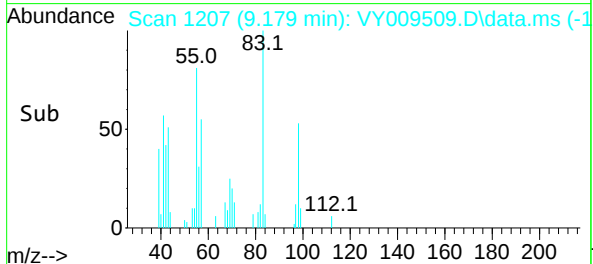
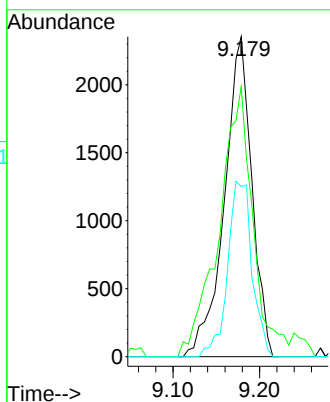
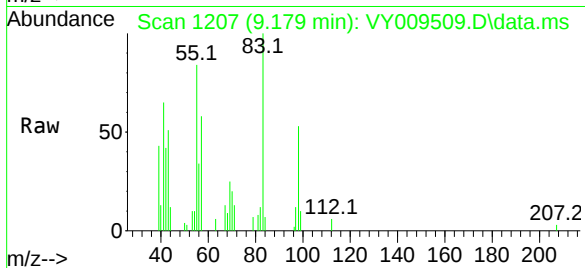
Tgt Ion: 83 Resp: 5184

Ion Ratio Lower Upper

83 100

55 84.3 66.5 99.7

98 53.2 37.9 56.9



#40

Benzene

Concen: 1.368 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VY009509.D

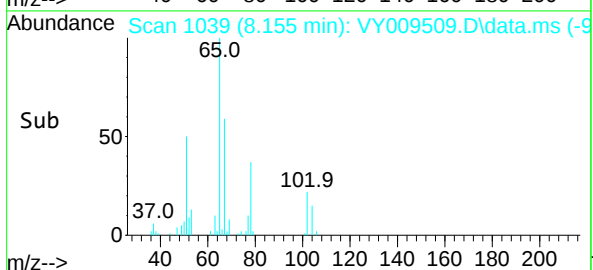
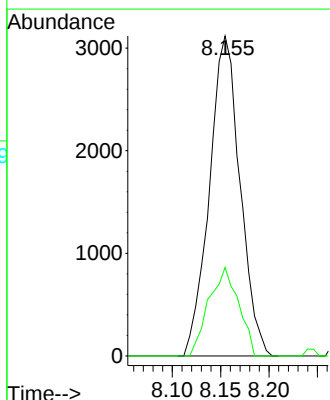
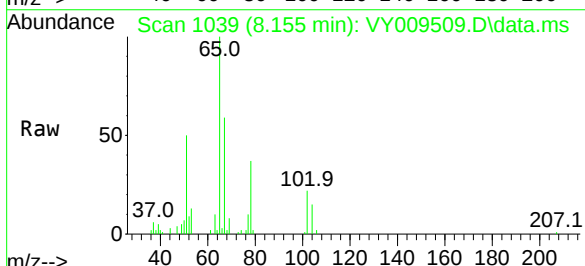
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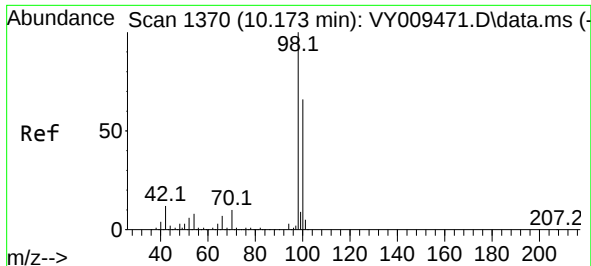
Tgt Ion: 78 Resp: 6863

Ion Ratio Lower Upper

78 100

77 27.6 20.4 30.6

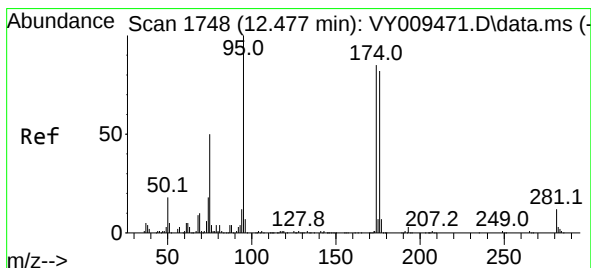
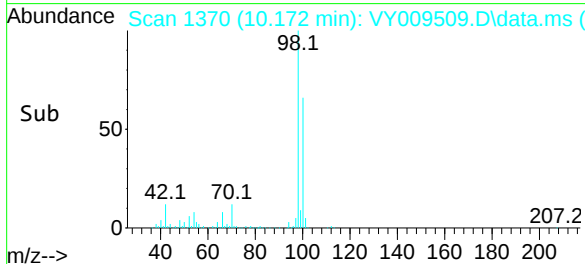
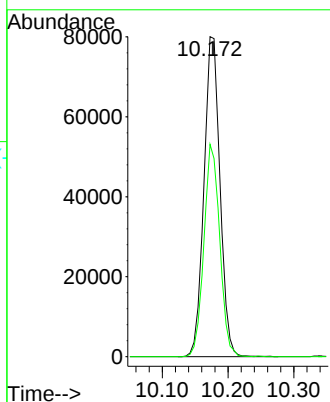
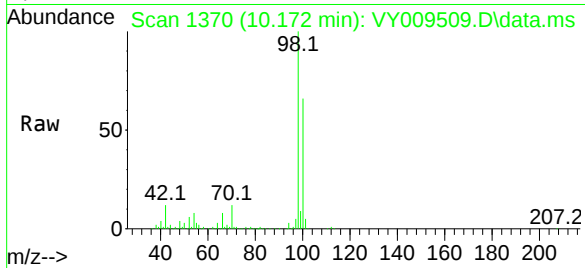




#50
Toluene-d8
Concen: 46.715 ug/l
RT: 10.172 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY009509.D
Acq: 11 Jul 2022 14:48

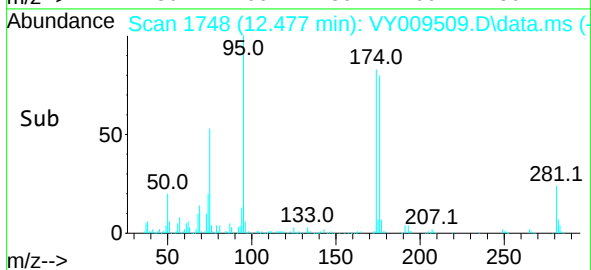
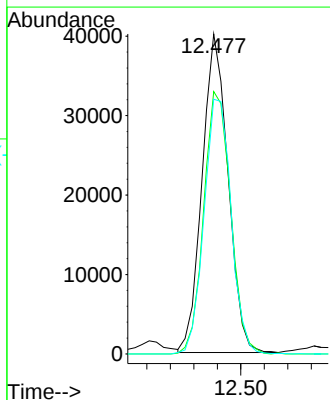
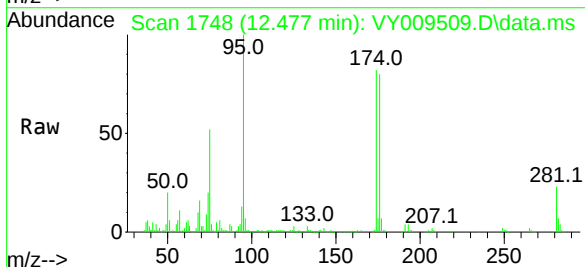
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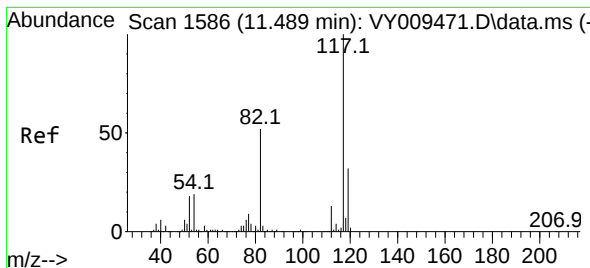
Tgt Ion: 98 Resp: 135991
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 41.363 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY009509.D
Acq: 11 Jul 2022 14:48

Tgt Ion: 95 Resp: 61293
Ion Ratio Lower Upper
95 100
174 85.5 0.0 177.0
176 83.6 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. 0.000 min

Lab File: VY009509.D

Acq: 11 Jul 2022 14:48

Instrument :

MSVOA_Y

ClientSampleId :

20220488A-6ARE

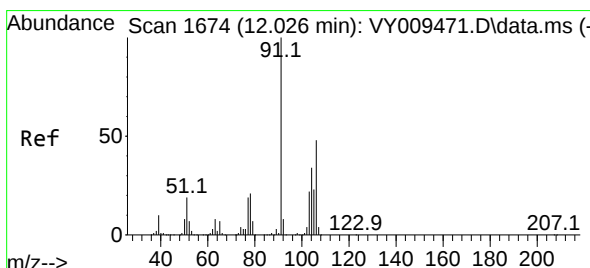
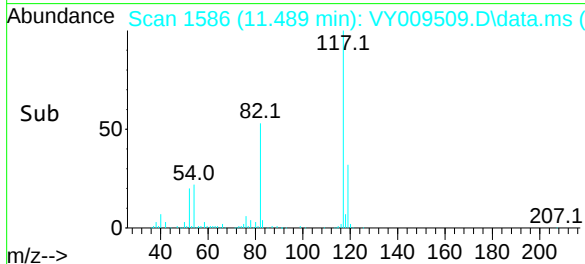
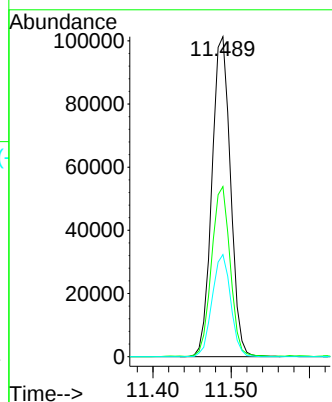
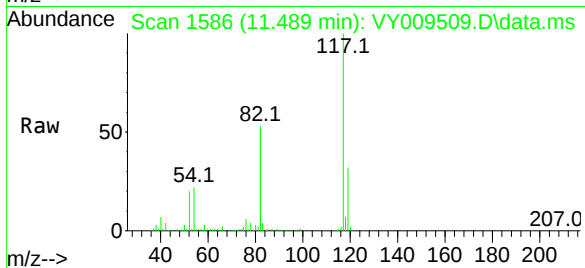
Tgt Ion:117 Resp: 166881

Ion Ratio Lower Upper

117 100

82 53.0 43.0 64.4

119 31.9 25.4 38.0



#69

o-Xylene

Concen: 1.082 ug/l

RT: 12.026 min Scan# 1674

Delta R.T. -0.000 min

Lab File: VY009509.D

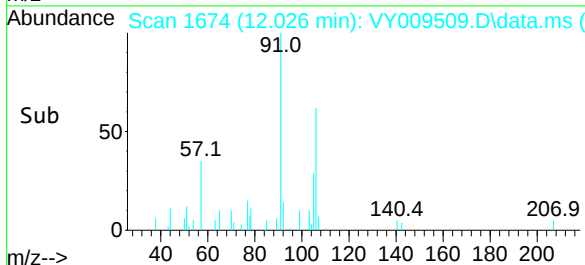
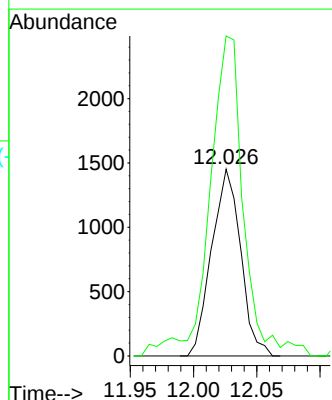
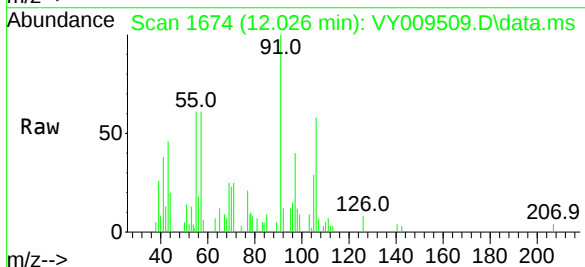
Acq: 11 Jul 2022 14:48

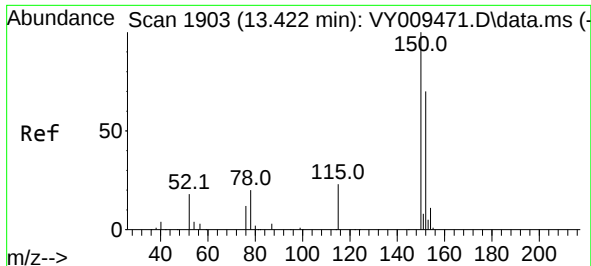
Tgt Ion:106 Resp: 2314

Ion Ratio Lower Upper

106 100

91 199.7 110.3 331.0

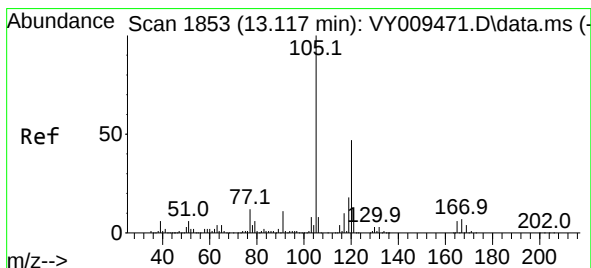
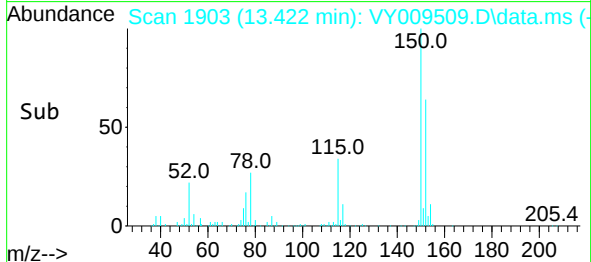
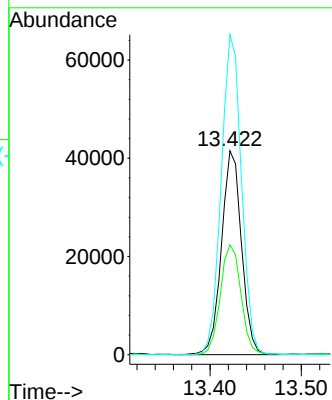
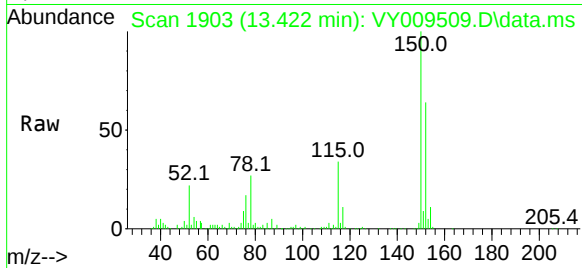




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY009509.D
 Acq: 11 Jul 2022 14:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220488A-6ARE

Tgt Ion:152 Resp: 63339
 Ion Ratio Lower Upper
 152 100
 115 55.8 28.2 84.7
 150 158.6 0.0 347.6



#84
 1,2,4-Trimethylbenzene
 Concen: 1.865 ug/l
 RT: 13.117 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VY009509.D
 Acq: 11 Jul 2022 14:48

Tgt Ion:105 Resp: 6721
 Ion Ratio Lower Upper
 105 100
 120 42.1 22.3 66.9

