

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070822\
 Data File : VY009489.D
 Acq On : 08 Jul 2022 17:46
 Operator : KP/MD
 Sample : N3595-09
 Misc : 4.47g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220489C-7C

Quant Time: Jul 11 02:15:43 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)

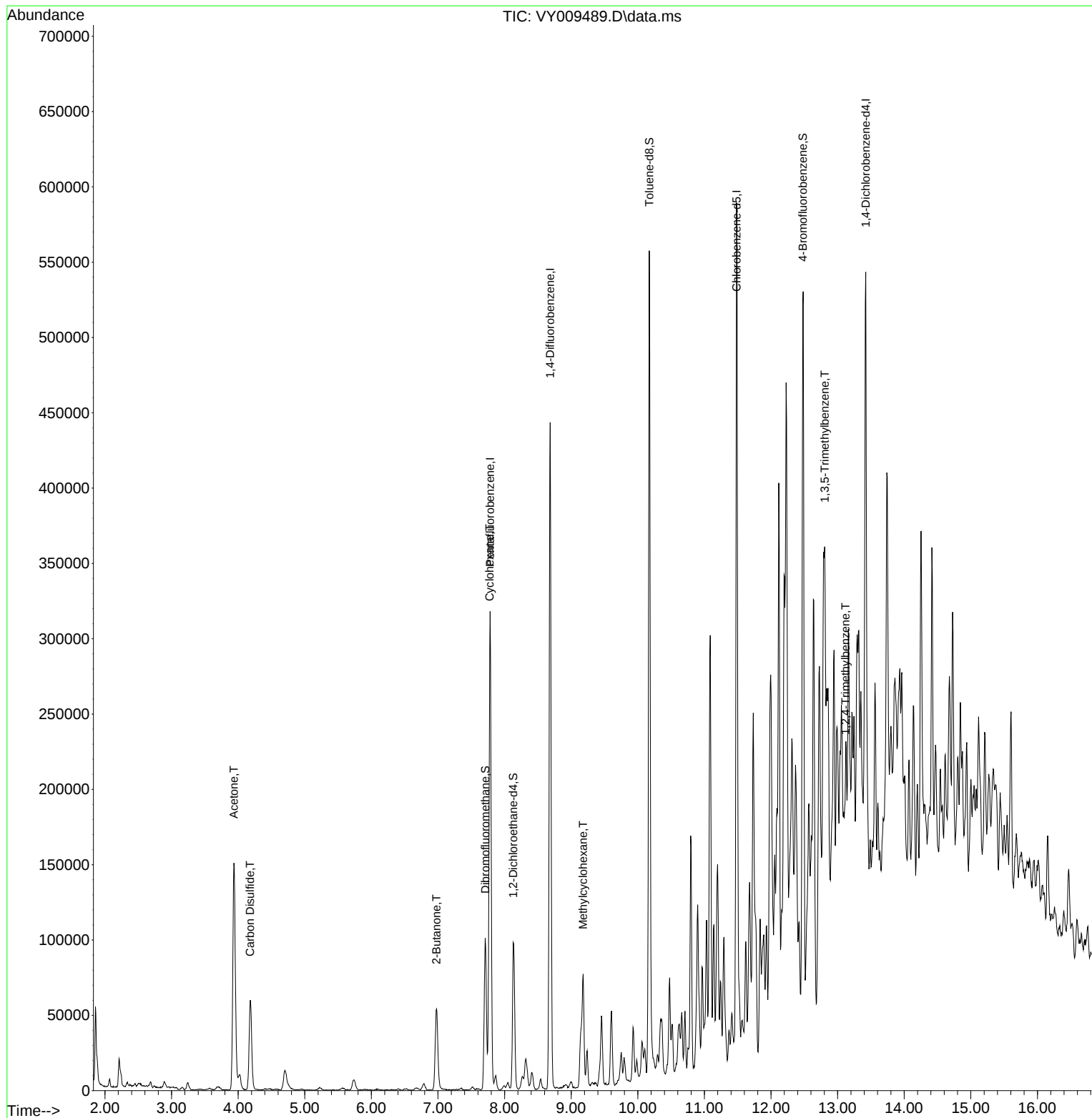
Internal Standards						
1) Pentafluorobenzene	7.783	168	242353	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	376366	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	296319	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	105103	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	74195	42.487	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	84.980%
35) Dibromofluoromethane	7.710	113	70228	35.463	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	70.920%
50) Toluene-d8	10.173	98	283406	52.623	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	105.240%
62) 4-Bromofluorobenzene	12.477	95	92136	32.960	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	65.920%
Target Compounds						
					Qvalue	
16) Acetone	3.936	43	259383	439.960	ug/l	90
17) Carbon Disulfide	4.180	76	120785	21.133	ug/l	98
25) 2-Butanone	6.978	43	86549	90.749	ug/l	93
31) Cyclohexane	7.777	56	8852	2.226	ug/l #	28
39) Methylcyclohexane	9.179	83	28727	7.423	ug/l	96
80) 1,3,5-Trimethylbenzene	12.806	105	8441	1.405	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	8024	1.342	ug/l	96

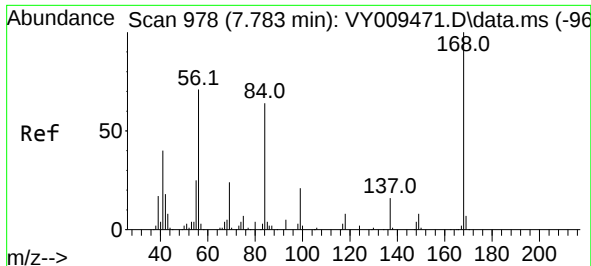
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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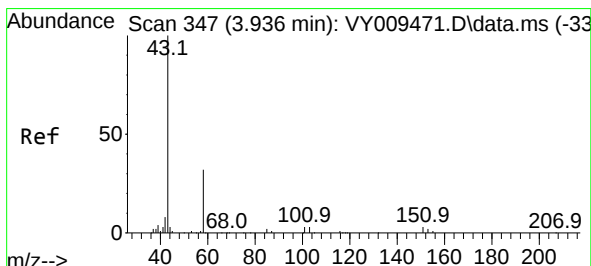
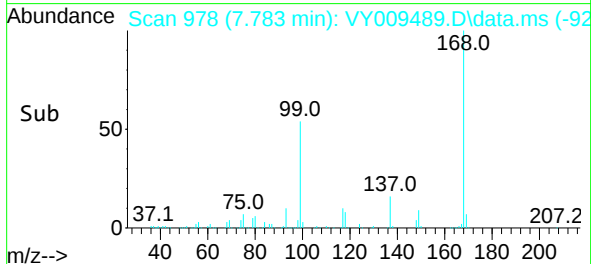
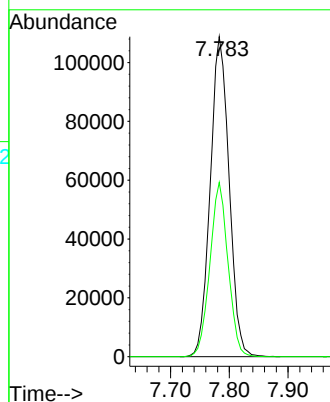
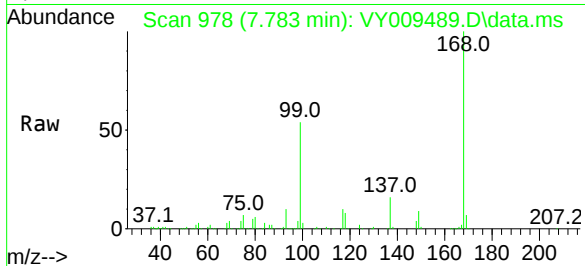




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009489.D
Acq: 08 Jul 2022 17:46

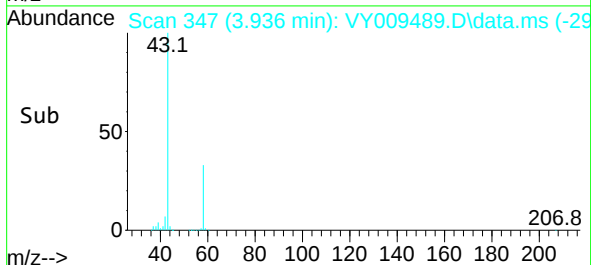
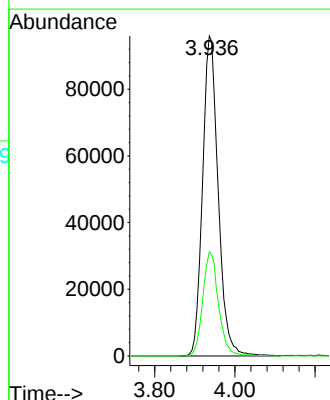
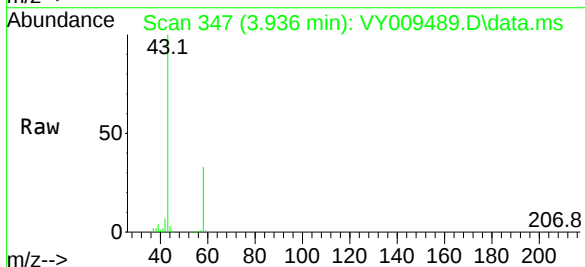
Instrument :
MSVOA_Y
ClientSampleId :
20220489C-7C

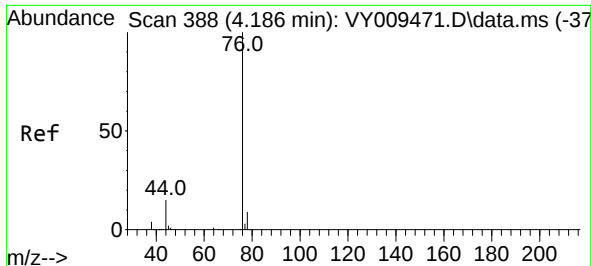
Tgt Ion:168 Resp: 242353
Ion Ratio Lower Upper
168 100
99 54.4 46.9 70.3



#16
Acetone
Concen: 439.960 ug/l
RT: 3.936 min Scan# 347
Delta R.T. 0.000 min
Lab File: VY009489.D
Acq: 08 Jul 2022 17:46

Tgt Ion: 43 Resp: 259383
Ion Ratio Lower Upper
43 100
58 32.5 22.0 33.0

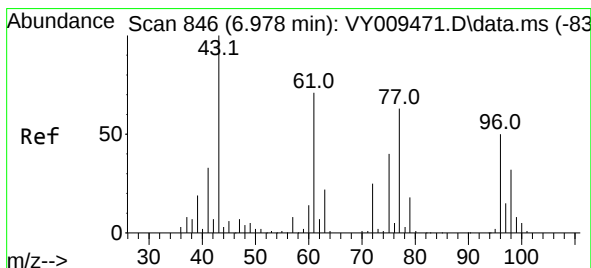
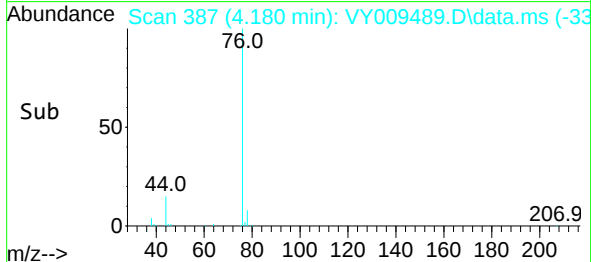
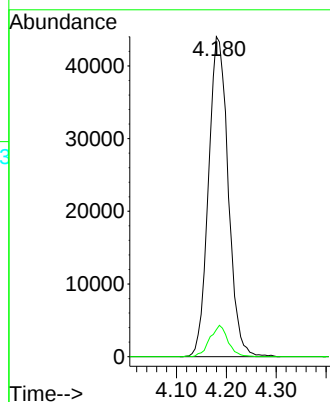
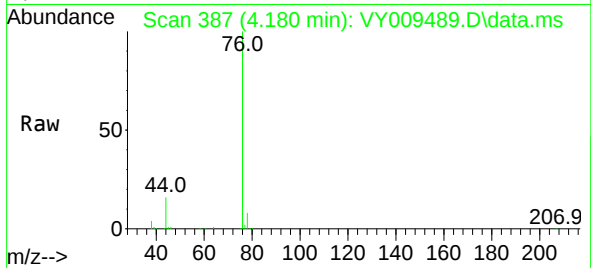




#17
Carbon Disulfide
Concen: 21.133 ug/l
RT: 4.180 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY009489.D
Acq: 08 Jul 2022 17:46

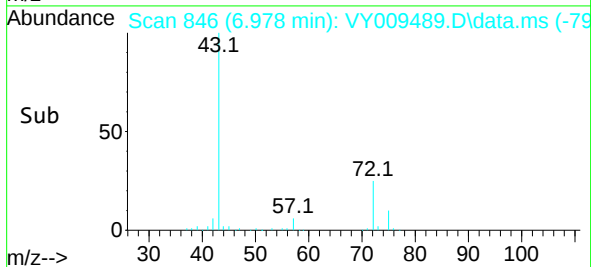
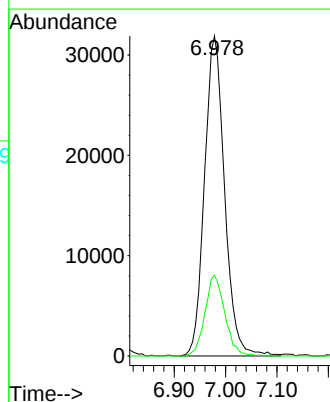
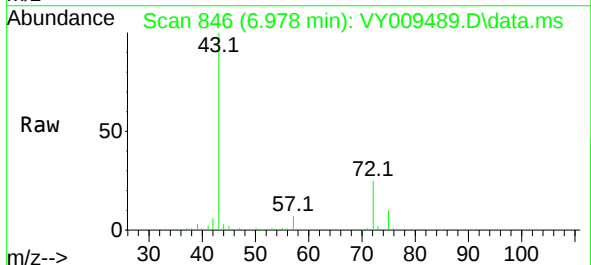
Instrument :
MSVOA_Y
ClientSampleId :
20220489C-7C

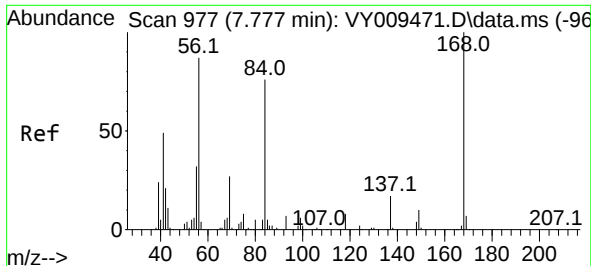
Tgt Ion: 76 Resp: 120785
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.0



#25
2-Butanone
Concen: 90.749 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY009489.D
Acq: 08 Jul 2022 17:46

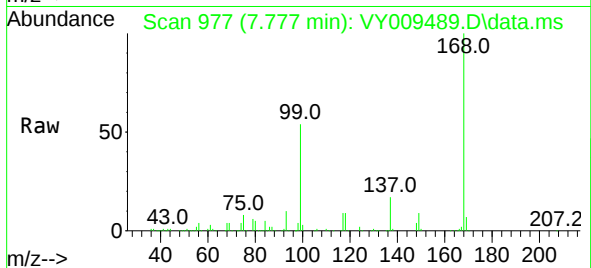
Tgt Ion: 43 Resp: 86549
Ion Ratio Lower Upper
43 100
72 25.2 17.7 26.5



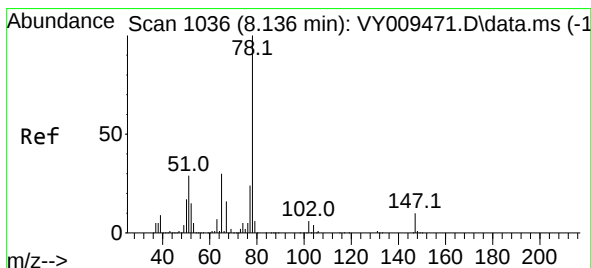
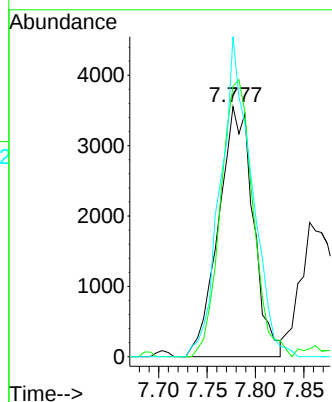
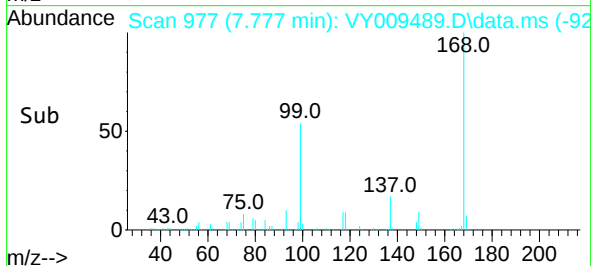


#31
Cyclohexane
Concen: 2.226 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009489.D
Acq: 08 Jul 2022 17:46

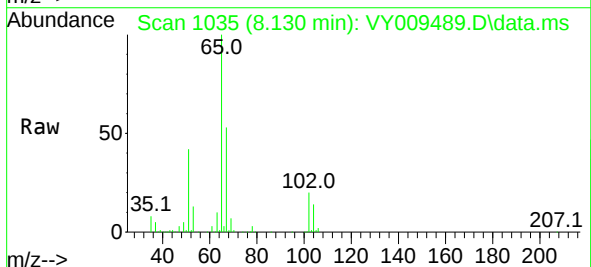
Instrument :
MSVOA_Y
ClientSampleId :
20220489C-7C



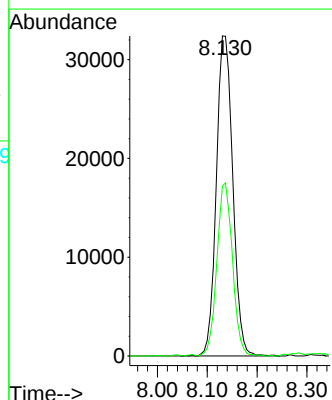
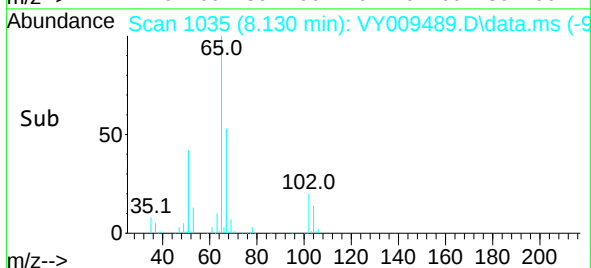
Tgt Ion: 56 Resp: 8852
Ion Ratio Lower Upper
56 100
69 108.2 26.7 40.1#
84 128.1 67.2 100.8#

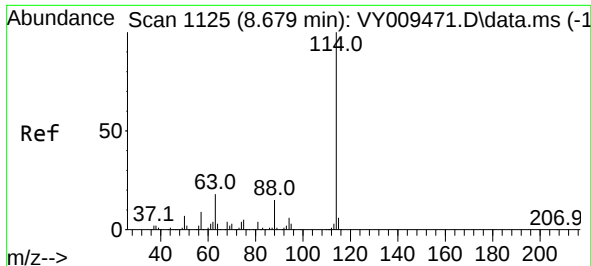


#33
1,2-Dichloroethane-d4
Concen: 42.487 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VY009489.D
Acq: 08 Jul 2022 17:46



Tgt Ion: 65 Resp: 74195
Ion Ratio Lower Upper
65 100
67 51.4 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: VY009489.D

Acq: 08 Jul 2022 17:46

Instrument :

MSVOA_Y

ClientSampleId :

20220489C-7C

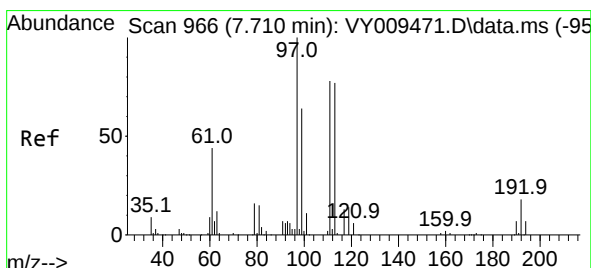
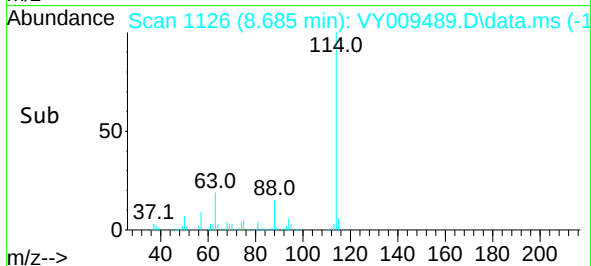
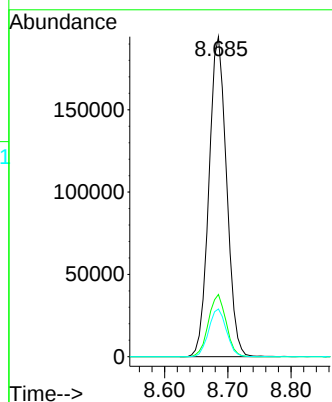
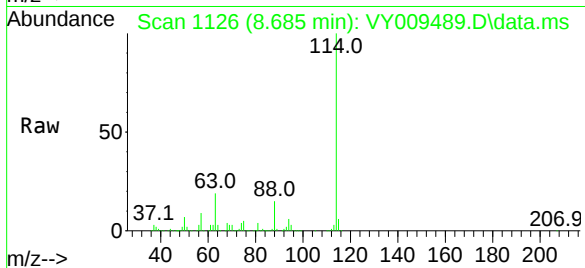
Tgt Ion:114 Resp: 376366

Ion Ratio Lower Upper

114 100

63 19.4 0.0 43.2

88 14.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 35.463 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009489.D

Acq: 08 Jul 2022 17:46

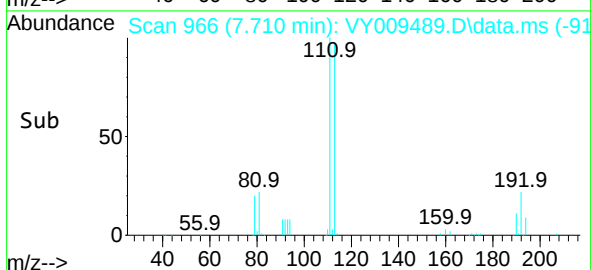
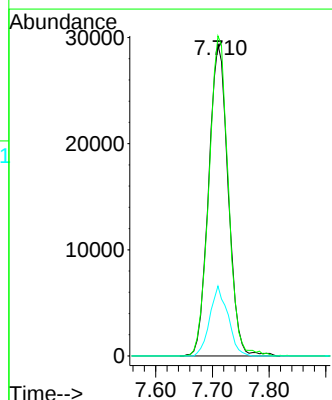
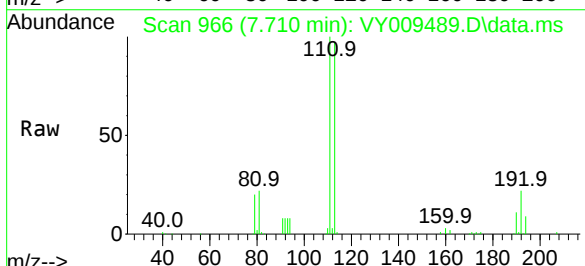
Tgt Ion:113 Resp: 70228

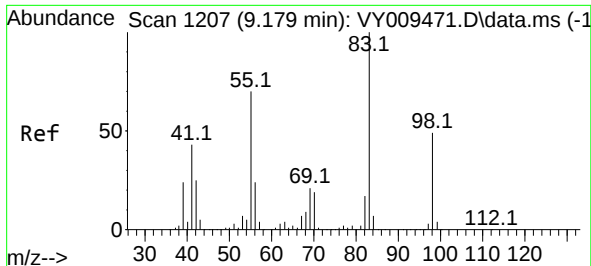
Ion Ratio Lower Upper

113 100

111 101.5 82.6 124.0

192 20.9 17.6 26.4





#39

Methylcyclohexane

Concen: 7.423 ug/l

RT: 9.179 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY009489.D

Acq: 08 Jul 2022 17:46

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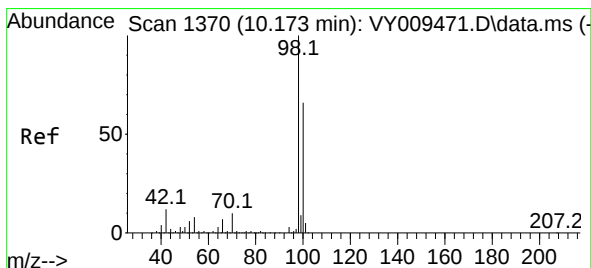
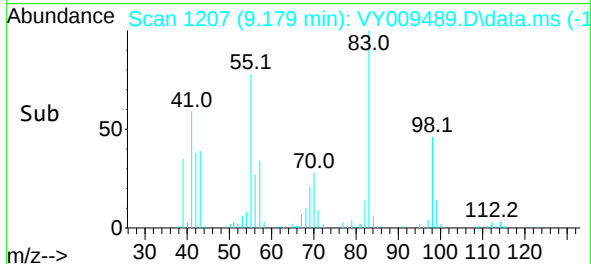
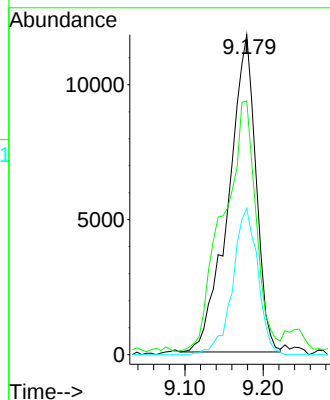
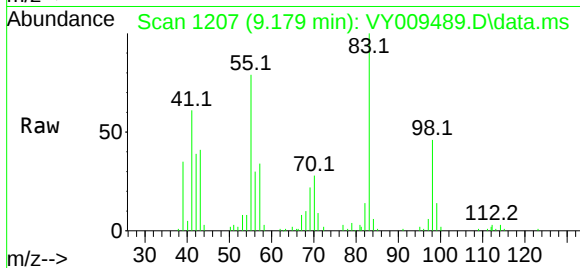
Tgt Ion: 83 Resp: 28727

Ion Ratio Lower Upper

83 100

55 78.7 66.5 99.7

98 46.1 37.9 56.9



#50

Toluene-d8

Concen: 52.623 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. -0.000 min

Lab File: VY009489.D

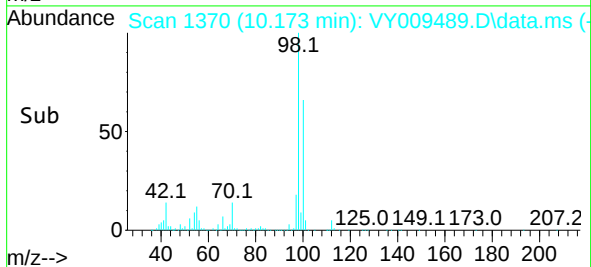
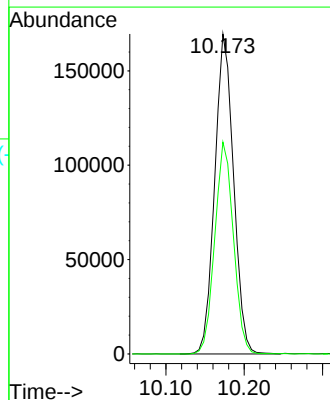
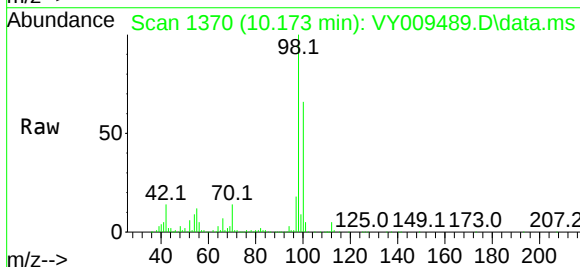
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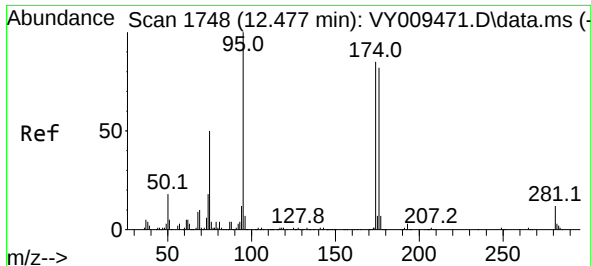
Tgt Ion: 98 Resp: 283406

Ion Ratio Lower Upper

98 100

100 65.6 50.2 75.2

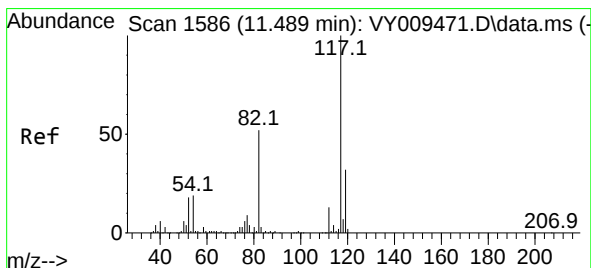
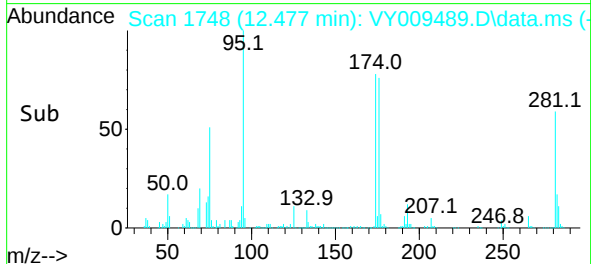
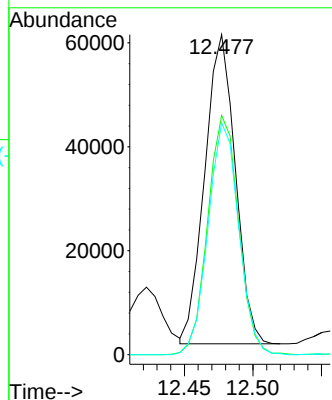
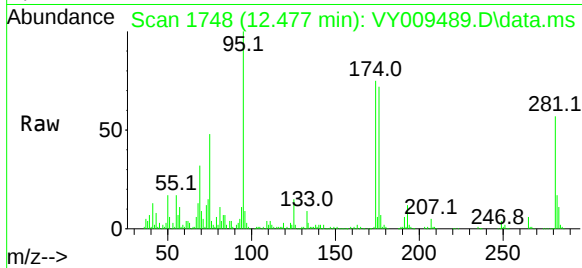




#62
4-Bromofluorobenzene
Concen: 32.960 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009489.D
Acq: 08 Jul 2022 17:46

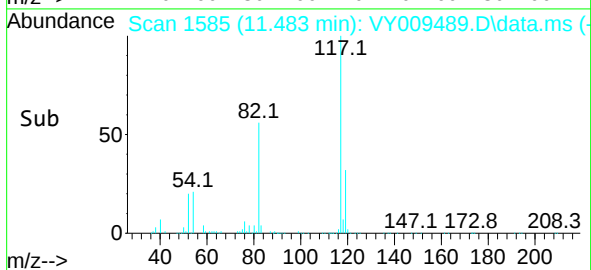
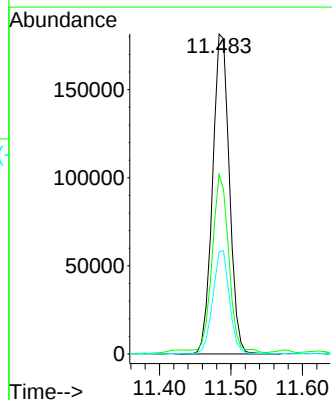
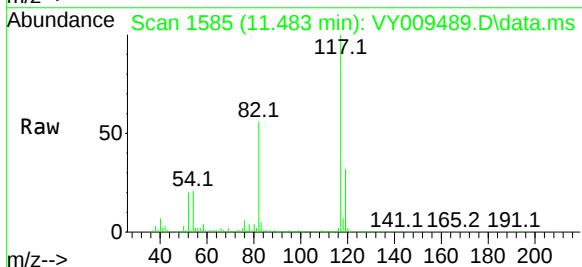
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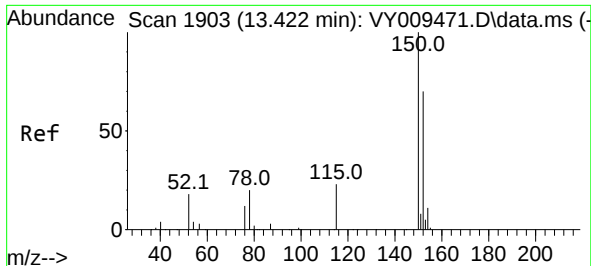
Tgt Ion: 95 Resp: 92136
Ion Ratio Lower Upper
95 100
174 78.3 0.0 177.0
176 75.5 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY009489.D
Acq: 08 Jul 2022 17:46

Tgt Ion: 117 Resp: 296319
Ion Ratio Lower Upper
117 100
82 55.1 43.0 64.4
119 31.9 25.4 38.0

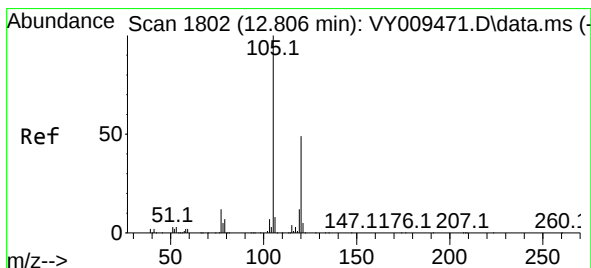
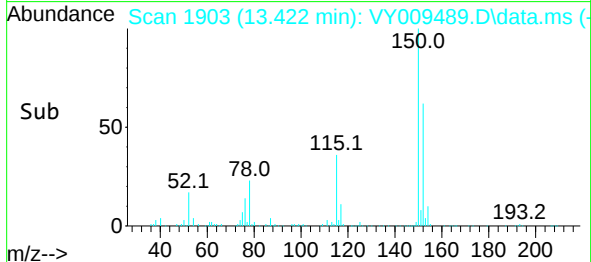
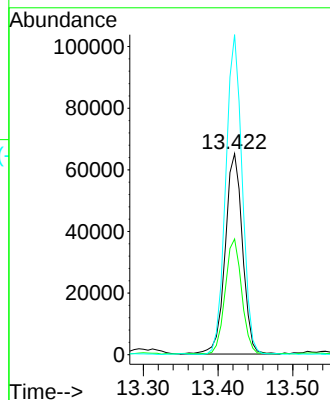
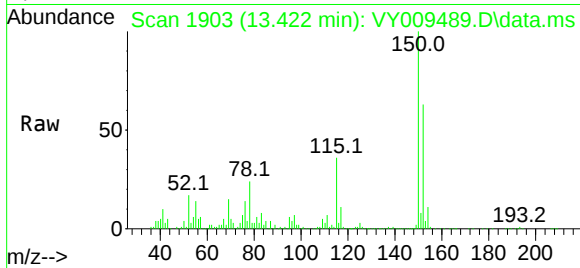




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY009489.D
 Acq: 08 Jul 2022 17:46

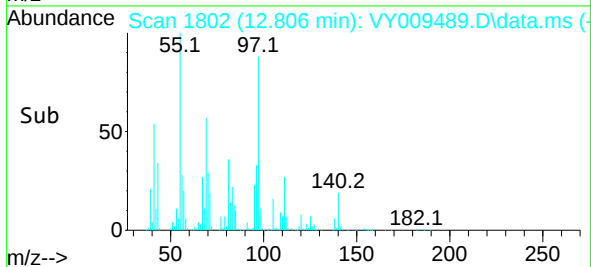
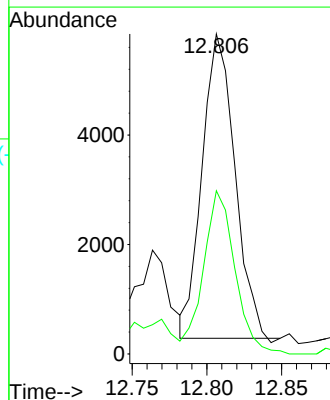
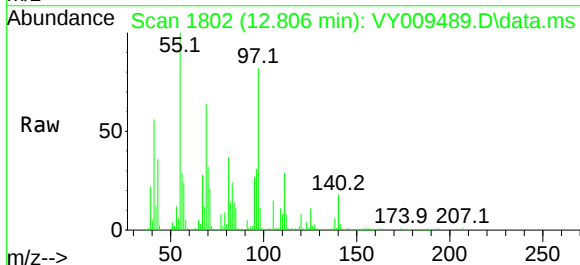
Instrument :
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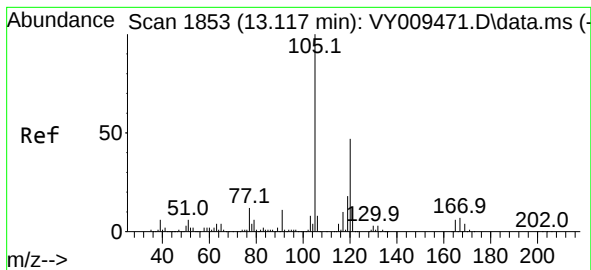
Tgt Ion:152 Resp: 105103
 Ion Ratio Lower Upper
 152 100
 115 54.8 28.2 84.7
 150 150.5 0.0 347.6



#80
 1,3,5-Trimethylbenzene
 Concen: 1.405 ug/l
 RT: 12.806 min Scan# 1802
 Delta R.T. 0.000 min
 Lab File: VY009489.D
 Acq: 08 Jul 2022 17:46

Tgt Ion:105 Resp: 8441
 Ion Ratio Lower Upper
 105 100
 120 51.7 24.4 73.4





#84
 1,2,4-Trimethylbenzene
 Concen: 1.342 ug/l
 RT: 13.117 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VY009489.D
 Acq: 08 Jul 2022 17:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220489C-7C

Tgt Ion:105 Resp: 8024
 Ion Ratio Lower Upper
 105 100
 120 47.3 22.3 66.9

