

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112223\
 Data File : VY016460.D
 Acq On : 22 Nov 2023 14:23
 Operator : SY/MD
 Sample : 05468-03
 Misc : 4.86g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-9-VOC

Quant Time: Nov 23 04:06:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

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

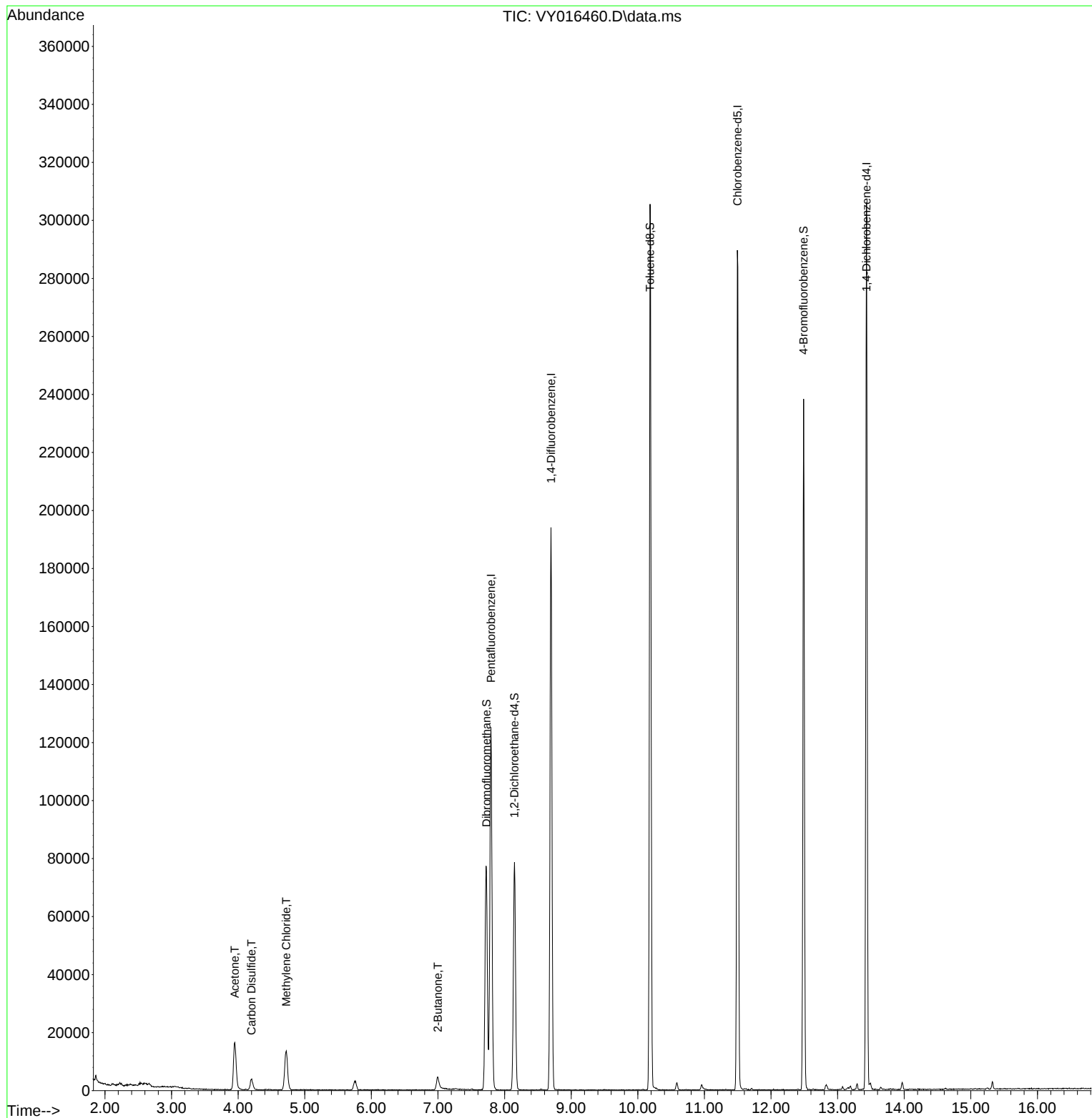
Internal Standards						
1) Pentafluorobenzene	7.795	168	101978	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	177106	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	171777	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	80911	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	62630	67.197	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	134.400%
35) Dibromofluoromethane	7.728	113	56411	56.070	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.140%
50) Toluene-d8	10.185	98	205919	50.472	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.940%
62) 4-Bromofluorobenzene	12.489	95	72840	54.971	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	109.940%
Target Compounds						
						Qvalue
16) Acetone	3.948	43	29144	189.037	ug/l #	87
17) Carbon Disulfide	4.198	76	6468	2.080	ug/l #	95
20) Methylene Chloride	4.722	84	11762	7.866	ug/l #	80
25) 2-Butanone	6.996	43	7031	26.037	ug/l	100

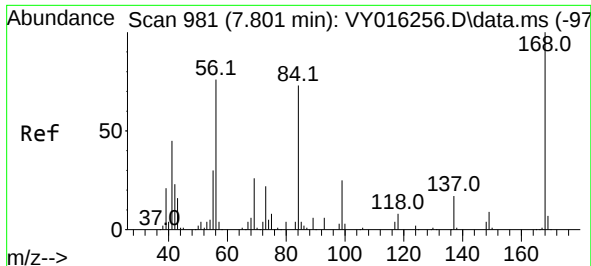
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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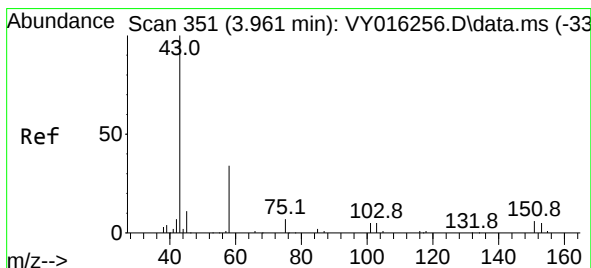
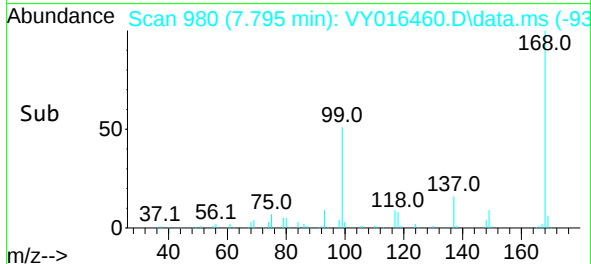
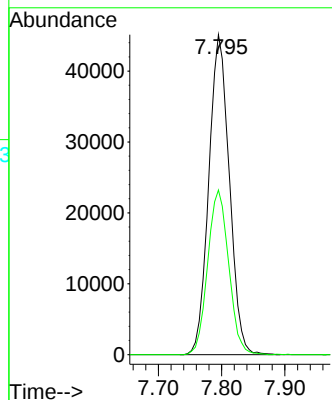
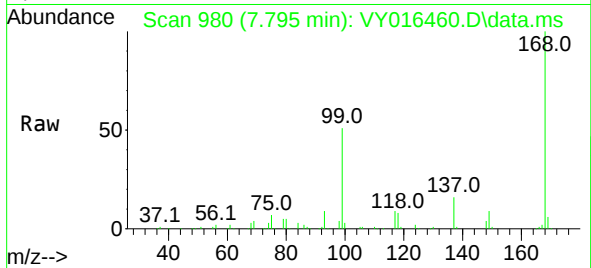




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016460.D
Acq: 22 Nov 2023 14:23

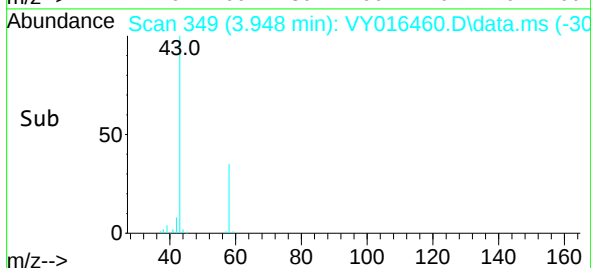
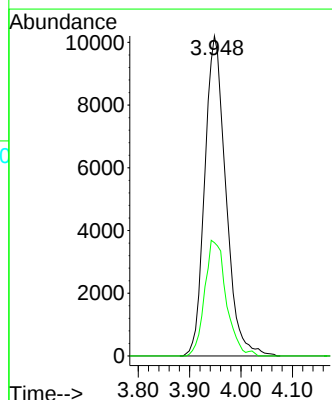
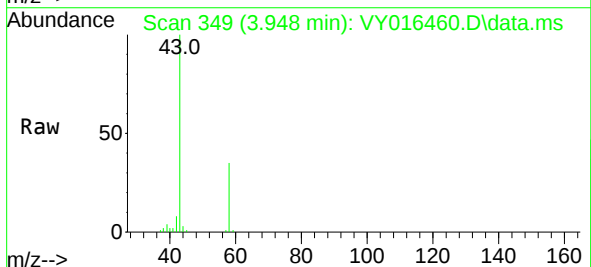
Instrument :
MSVOA_Y
ClientSampleId :
TP-9-VOC

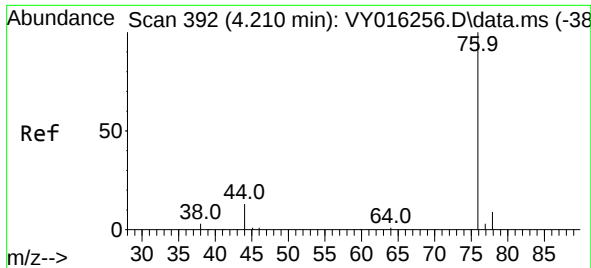
Tgt Ion:168 Resp: 101978
Ion Ratio Lower Upper
168 100
99 51.4 43.4 65.0



#16
Acetone
Concen: 189.037 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.012 min
Lab File: VY016460.D
Acq: 22 Nov 2023 14:23

Tgt Ion: 43 Resp: 29144
Ion Ratio Lower Upper
43 100
58 35.4 22.7 34.1#





#17

Carbon Disulfide

Concen: 2.080 ug/l

RT: 4.198 min Scan# 392

Delta R.T. -0.012 min

Lab File: VY016460.D

Acq: 22 Nov 2023 14:23

Instrument :

MSVOA_Y

ClientSampleId :

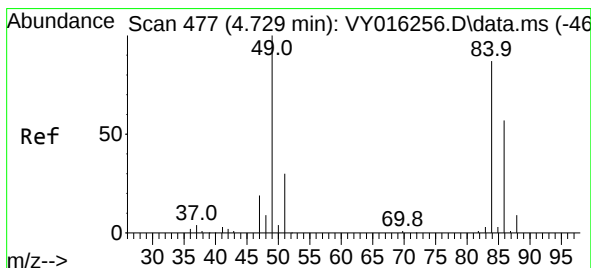
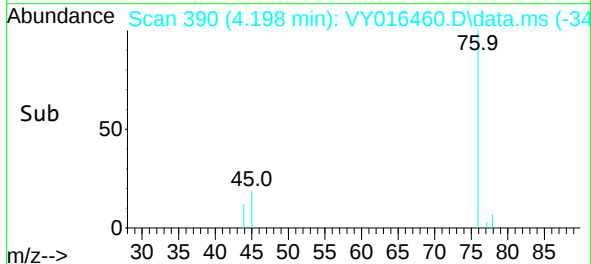
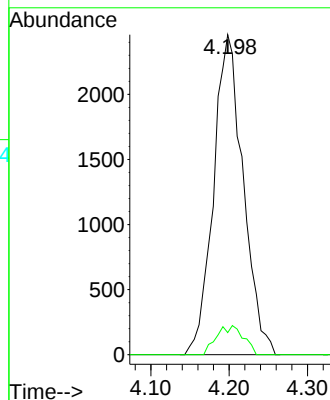
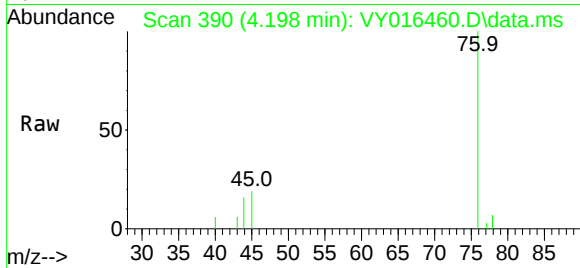
TP-9-VOC

Tgt Ion: 76 Resp: 6468

Ion Ratio Lower Upper

76 100

78 6.9 7.0 10.4#



#20

Methylene Chloride

Concen: 7.866 ug/l

RT: 4.722 min Scan# 476

Delta R.T. -0.007 min

Lab File: VY016460.D

Acq: 22 Nov 2023 14:23

Tgt Ion: 84 Resp: 11762

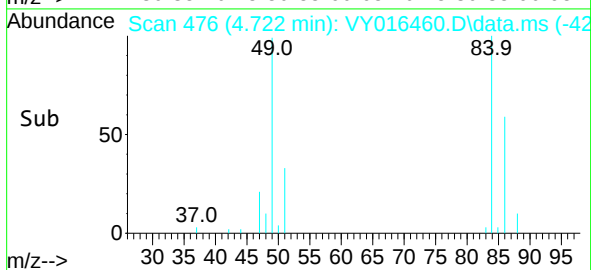
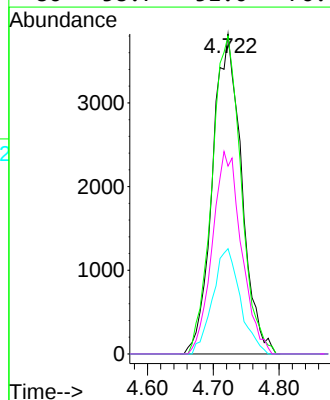
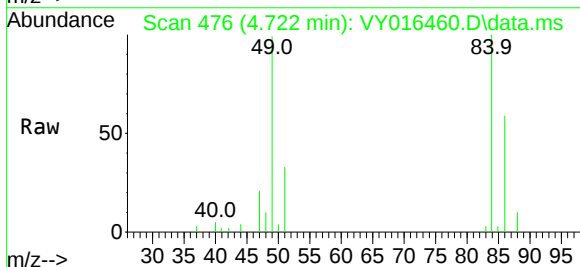
Ion Ratio Lower Upper

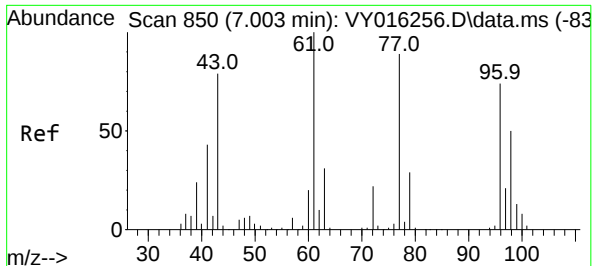
84 100

49 99.3 106.9 160.3#

51 32.9 33.2 49.8#

86 58.7 51.0 76.6





#25

2-Butanone

Concen: 26.037 ug/l

RT: 6.996 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY016460.D

Acq: 22 Nov 2023 14:23

Instrument :

MSVOA_Y

ClientSampleId :

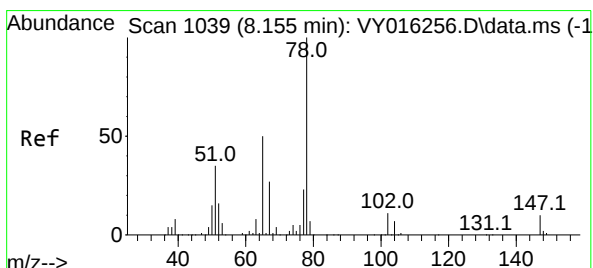
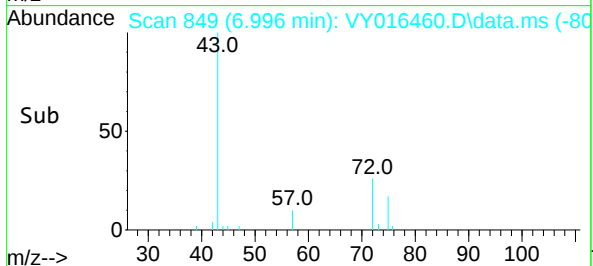
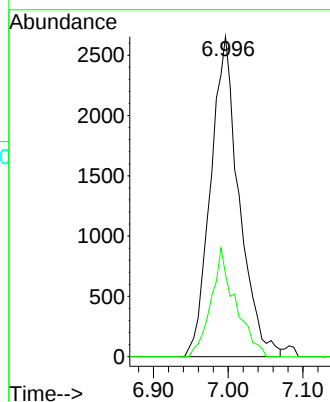
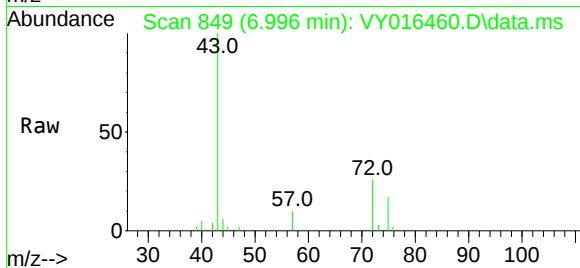
TP-9-VOC

Tgt Ion: 43 Resp: 7031

Ion Ratio Lower Upper

43 100

72 25.8 20.5 30.7



#33

1,2-Dichloroethane-d4

Concen: 67.197 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. -0.006 min

Lab File: VY016460.D

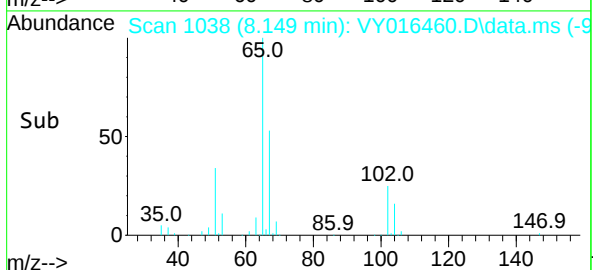
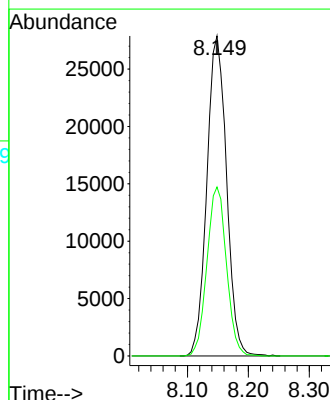
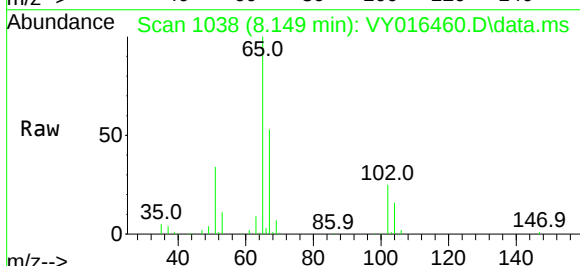
Acq: 22 Nov 2023 14:23

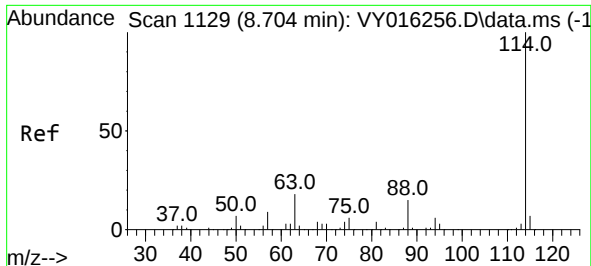
Tgt Ion: 65 Resp: 62630

Ion Ratio Lower Upper

65 100

67 52.3 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY016460.D

Acq: 22 Nov 2023 14:23

Instrument :

MSVOA_Y

ClientSampleId :

TP-9-VOC

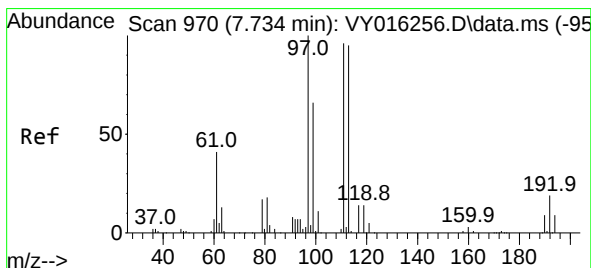
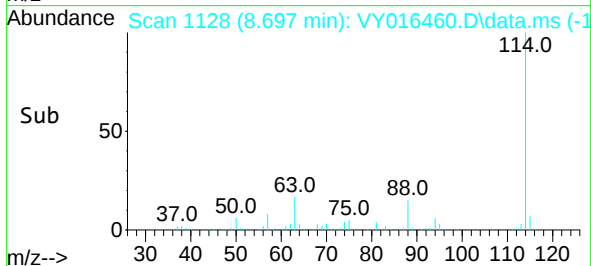
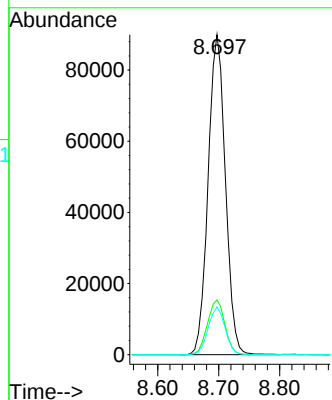
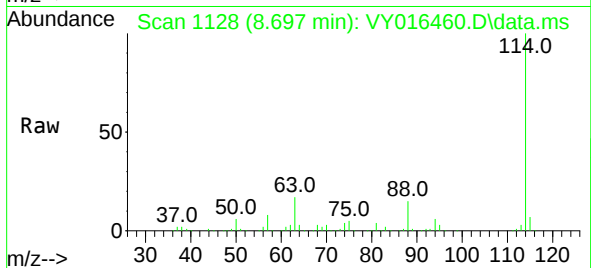
Tgt Ion:114 Resp: 177106

Ion Ratio Lower Upper

114 100

63 17.1 0.0 42.4

88 14.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 56.070 ug/l

RT: 7.728 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY016460.D

Acq: 22 Nov 2023 14:23

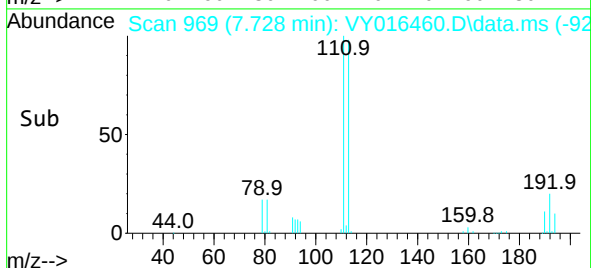
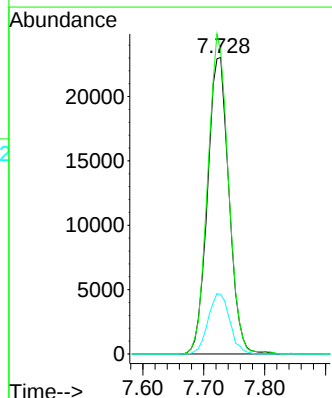
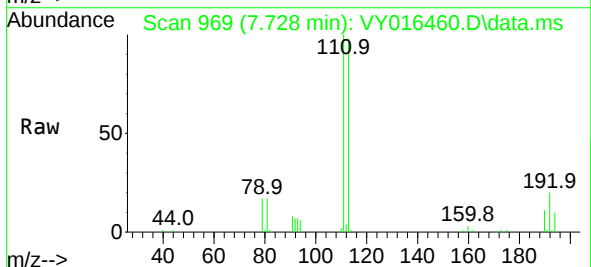
Tgt Ion:113 Resp: 56411

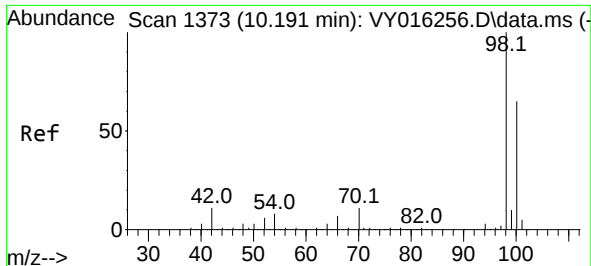
Ion Ratio Lower Upper

113 100

111 104.2 81.3 121.9

192 20.4 16.9 25.3

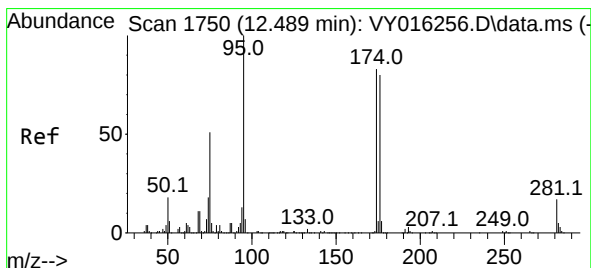
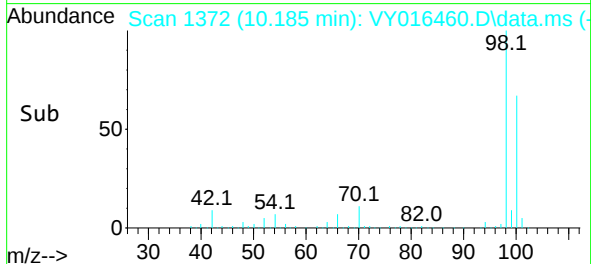
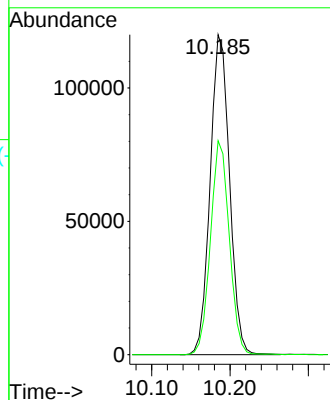
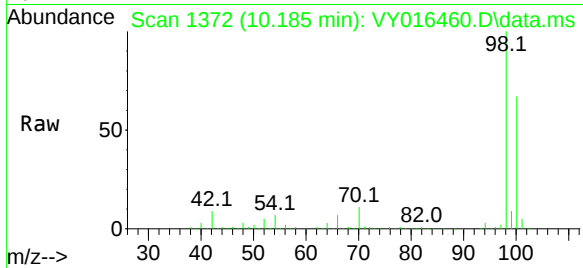




#50
Toluene-d8
Concen: 50.472 ug/l
RT: 10.185 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY016460.D
Acq: 22 Nov 2023 14:23

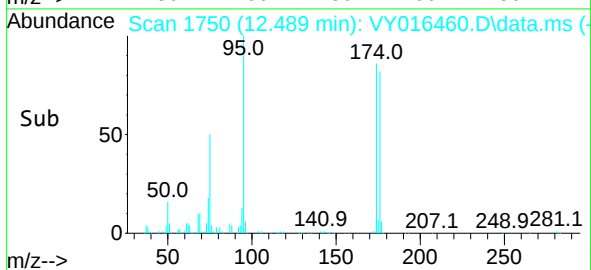
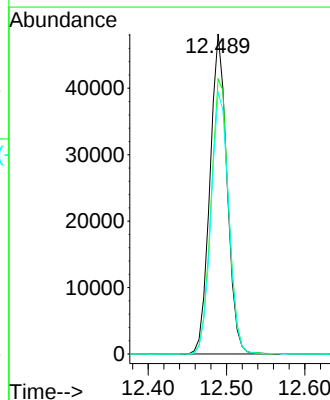
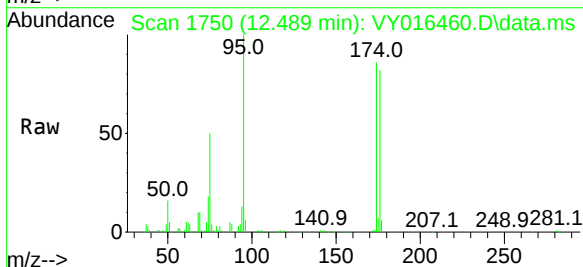
Instrument :
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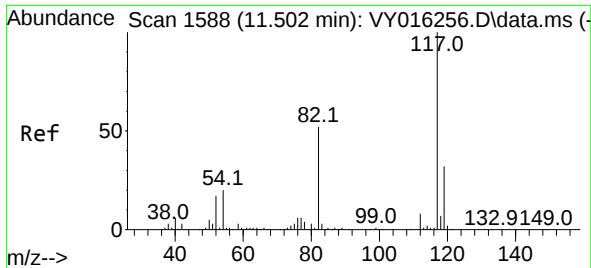
Tgt Ion: 98 Resp: 205919
Ion Ratio Lower Upper
98 100
100 65.0 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 54.971 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VY016460.D
Acq: 22 Nov 2023 14:23

Tgt Ion: 95 Resp: 72840
Ion Ratio Lower Upper
95 100
174 88.5 0.0 178.2
176 84.5 0.0 173.8

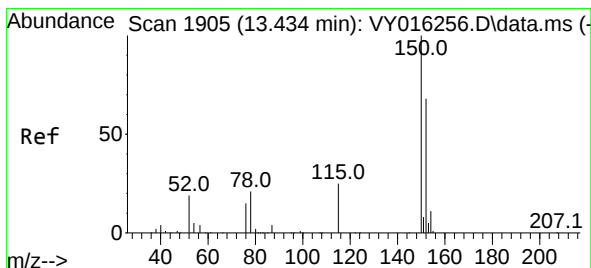
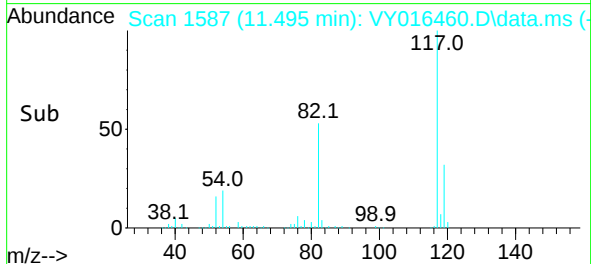
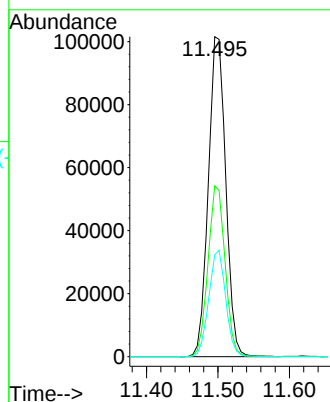
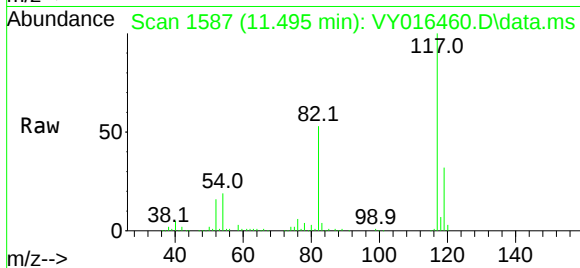




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY016460.D
Acq: 22 Nov 2023 14:23

Instrument :
MSVOA_Y
ClientSampleId :
TP-9-VOC

Tgt Ion:117 Resp: 171777
Ion Ratio Lower Upper
117 100
82 53.4 43.4 65.0
119 31.8 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. -0.000 min
Lab File: VY016460.D
Acq: 22 Nov 2023 14:23

Tgt Ion:152 Resp: 80911
Ion Ratio Lower Upper
152 100
115 56.6 28.8 86.5
150 156.5 0.0 348.8

