

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022124\
 Data File : VY017446.D
 Acq On : 21 Feb 2024 18:26
 Operator : SY/MD
 Sample : P1537-13
 Misc : 4.31g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 13

Quant Time: Feb 22 03:41:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 20 06:16:24 2024
 Response via : Initial Calibration

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

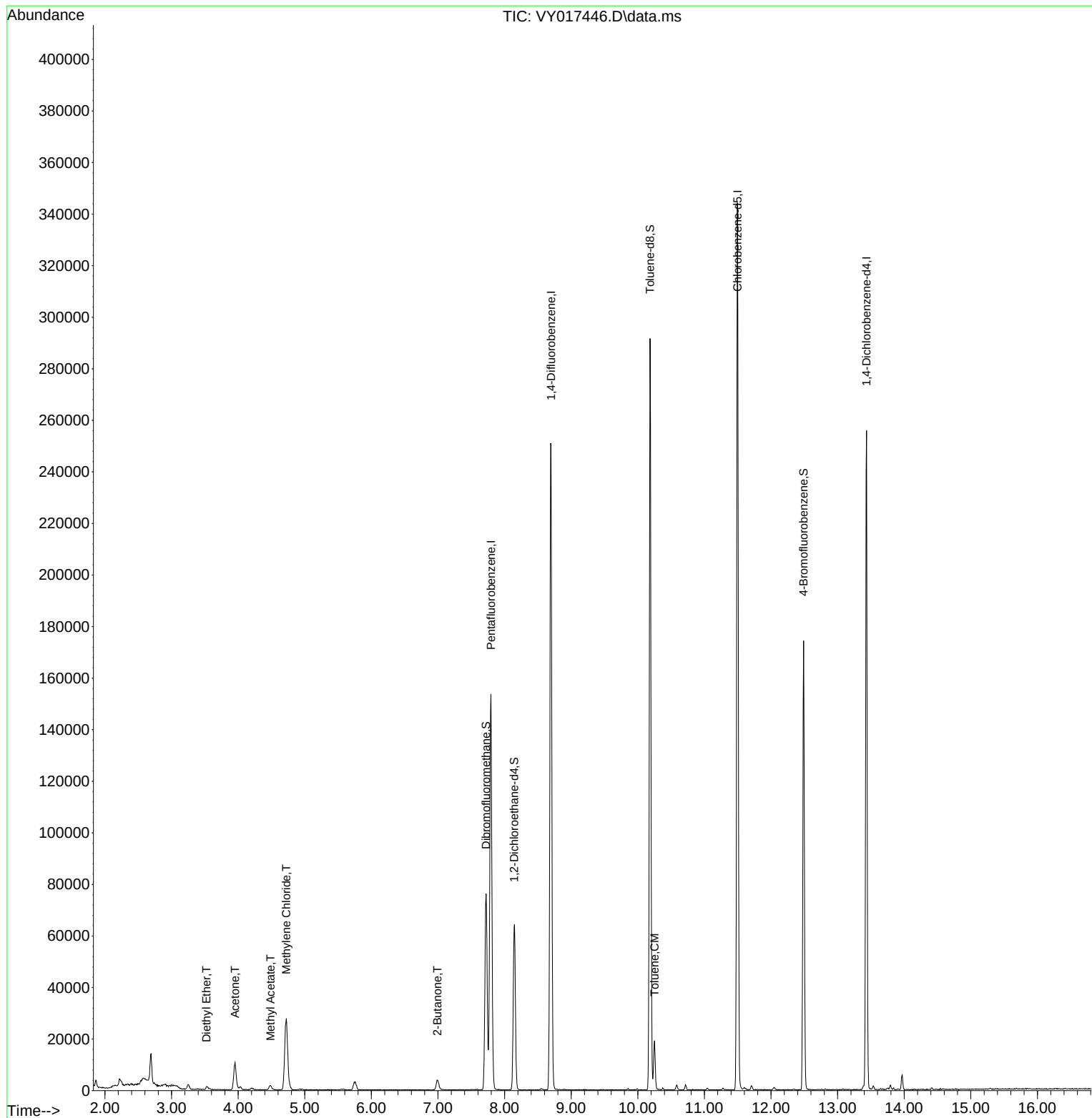
Internal Standards						
1) Pentafluorobenzene	7.795	168	127882	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	233182	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	201695	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	70275	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	48978	44.832	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.660%
35) Dibromofluoromethane	7.722	113	55742	40.838	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.680%
50) Toluene-d8	10.185	98	193592	36.570	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	73.140%
62) 4-Bromofluorobenzene	12.489	95	50064	29.104	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	58.200%
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.521	74	754	1.148	ug/l	84
16) Acetone	3.954	43	17966	75.934	ug/l	88
18) Methyl Acetate	4.485	43	3148	5.867	ug/l	99
20) Methylene Chloride	4.722	84	22838	10.979	ug/l	95
25) 2-Butanone	6.990	43	6257	18.840	ug/l	99
52) Toluene	10.252	92	8156	1.961	ug/l	98

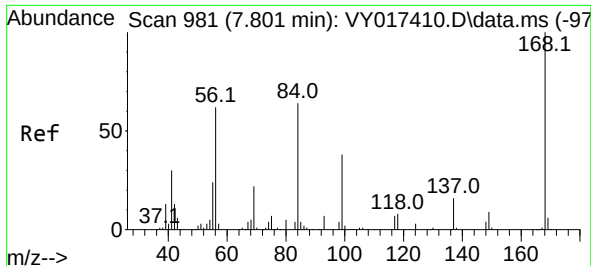
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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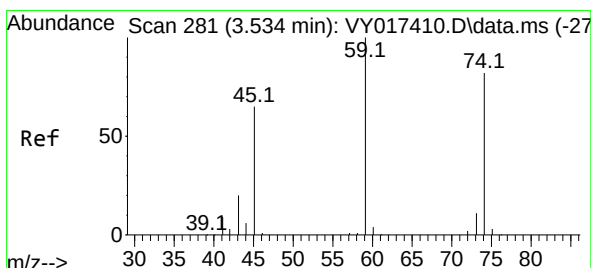
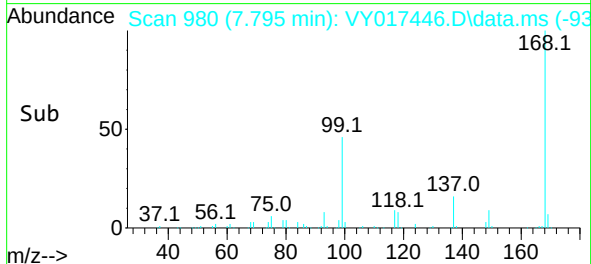
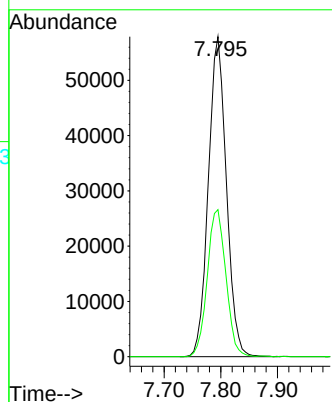
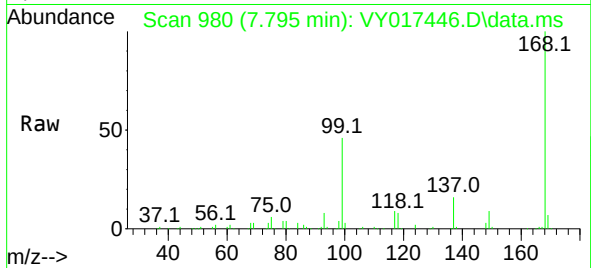




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017446.D
Acq: 21 Feb 2024 18:26

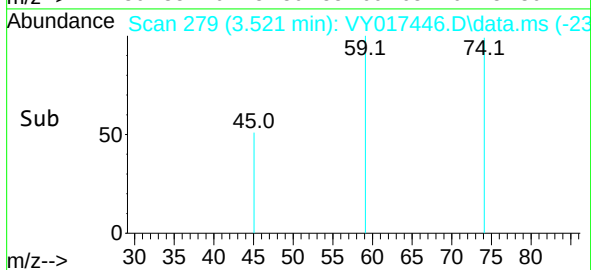
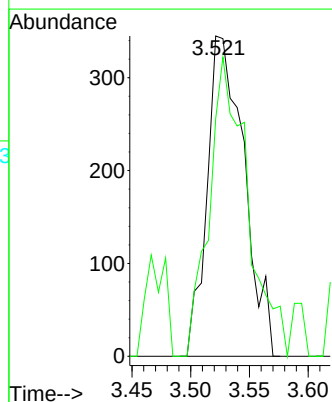
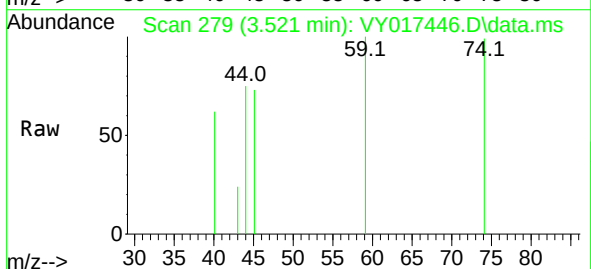
Instrument :
MSVOA_Y
ClientSampleId :
13

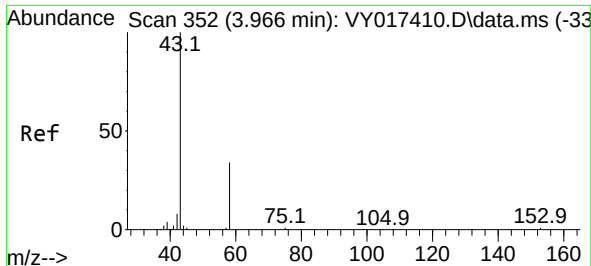
Tgt Ion:168 Resp: 127882
Ion Ratio Lower Upper
168 100
99 46.0 39.1 58.7



#8
Diethyl Ether
Concen: 1.148 ug/l
RT: 3.521 min Scan# 279
Delta R.T. -0.012 min
Lab File: VY017446.D
Acq: 21 Feb 2024 18:26

Tgt Ion: 74 Resp: 754
Ion Ratio Lower Upper
74 100
45 97.1 41.3 124.1

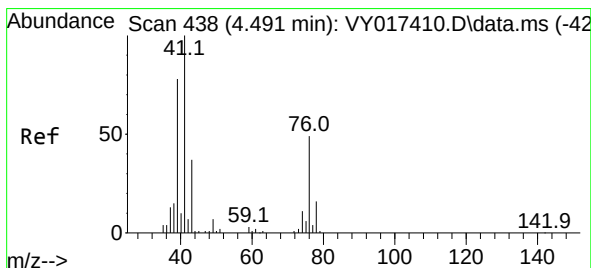
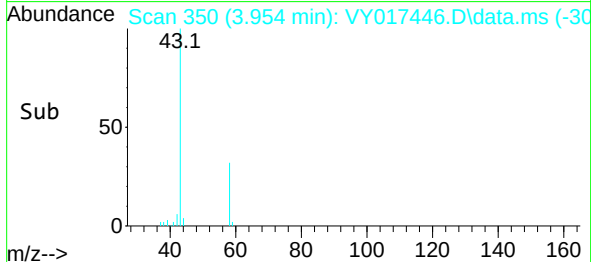
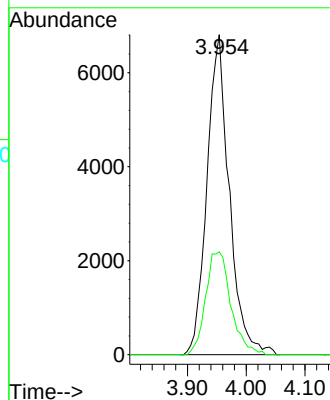
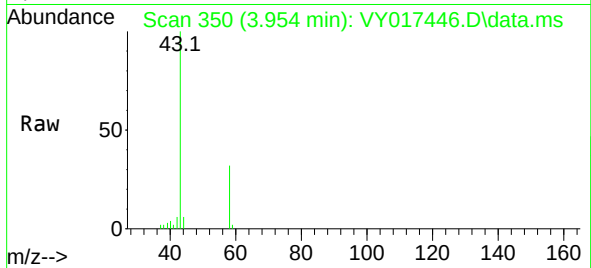




#16
Acetone
Concen: 75.934 ug/l
RT: 3.954 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY017446.D
Acq: 21 Feb 2024 18:26

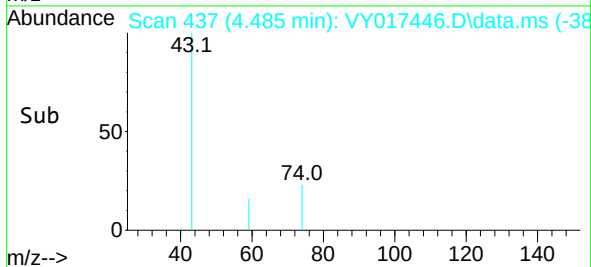
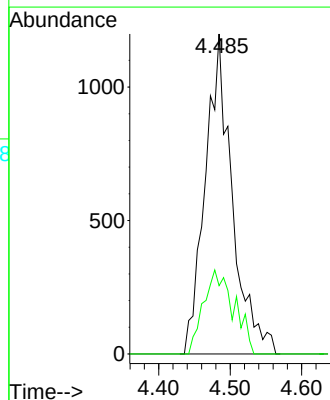
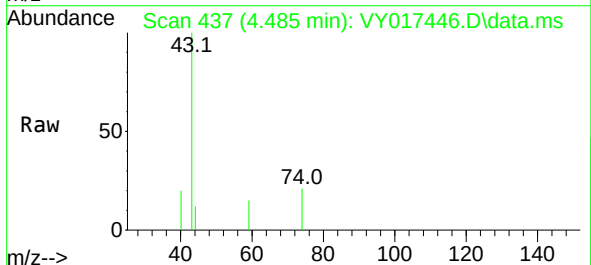
Instrument :
MSVOA_Y
ClientSampleId :
13

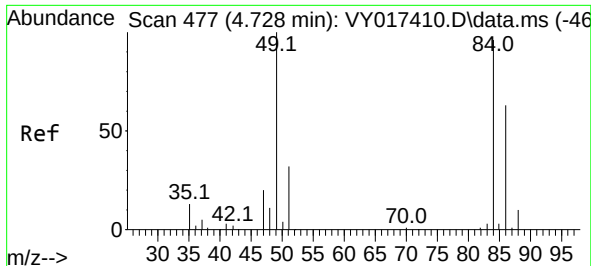
Tgt Ion: 43 Resp: 17966
Ion Ratio Lower Upper
43 100
58 32.2 31.7 47.5



#18
Methyl Acetate
Concen: 5.867 ug/l
RT: 4.485 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY017446.D
Acq: 21 Feb 2024 18:26

Tgt Ion: 43 Resp: 3148
Ion Ratio Lower Upper
43 100
74 29.5 23.3 34.9

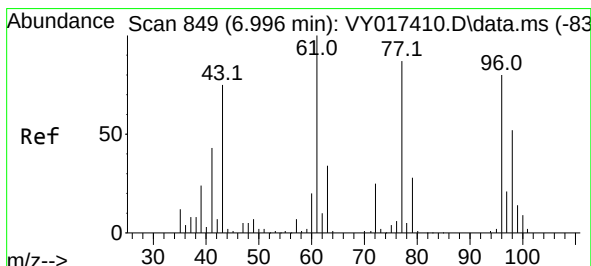
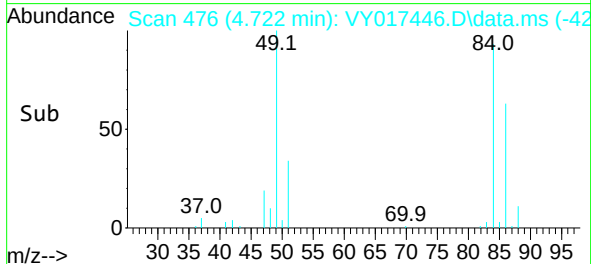
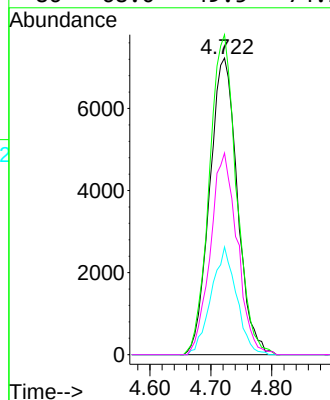
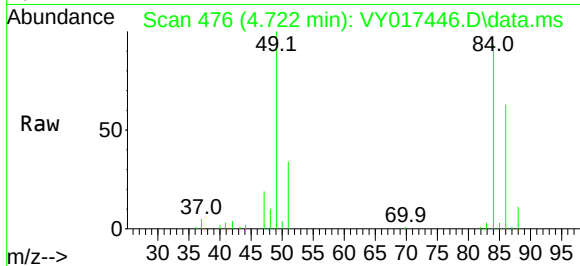




#20
Methylene Chloride
Concen: 10.979 ug/l
RT: 4.722 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY017446.D
Acq: 21 Feb 2024 18:26

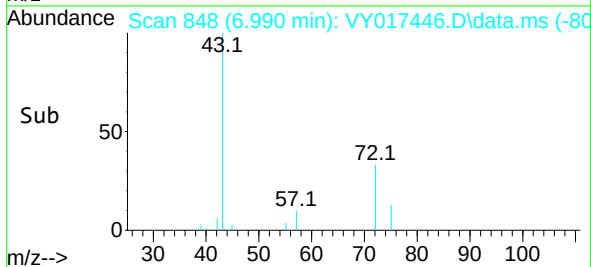
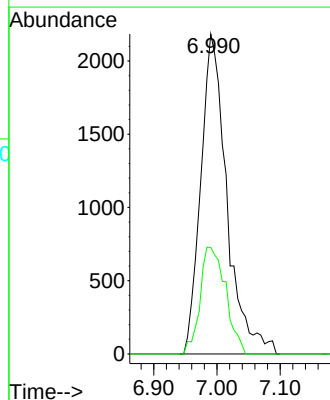
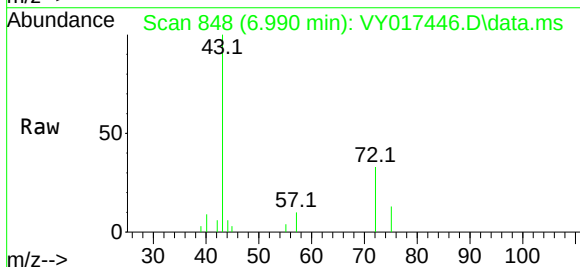
Instrument :
MSVOA_Y
ClientSampleId :
13

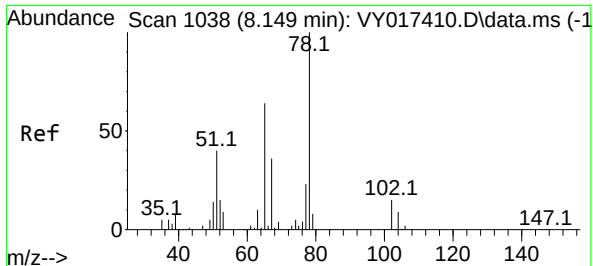
Tgt Ion:	84	Resp:	22838
Ion	Ratio	Lower	Upper
84	100		
49	107.9	84.4	126.6
51	36.3	26.0	39.0
86	68.0	49.5	74.3



#25
2-Butanone
Concen: 18.840 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.006 min
Lab File: VY017446.D
Acq: 21 Feb 2024 18:26

Tgt Ion:	43	Resp:	6257
Ion	Ratio	Lower	Upper
43	100		
72	33.3	27.3	40.9





#33

1,2-Dichloroethane-d4

Concen: 44.832 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VY017446.D

Acq: 21 Feb 2024 18:26

Instrument :

MSVOA_Y

ClientSampleId :

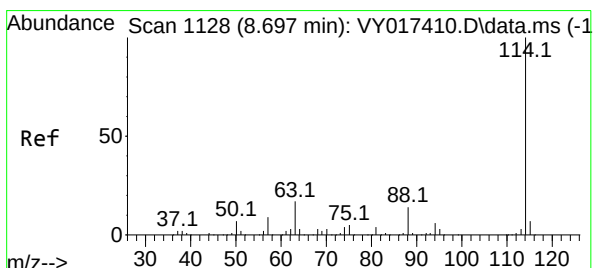
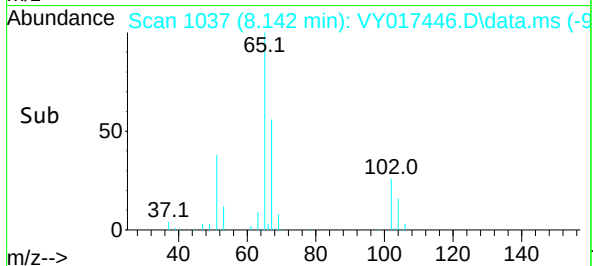
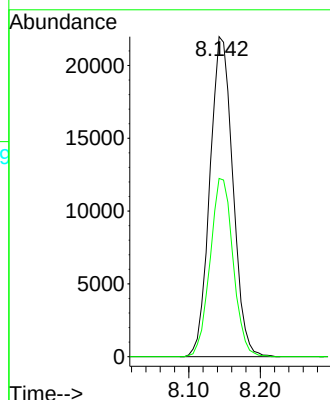
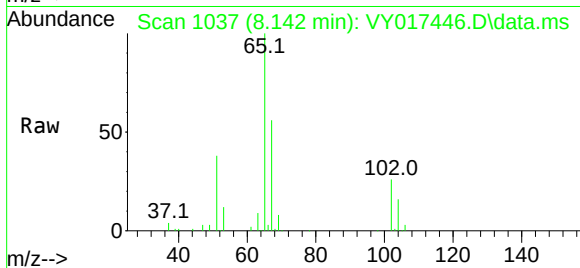
13

Tgt Ion: 65 Resp: 48978

Ion Ratio Lower Upper

65 100

67 55.8 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VY017446.D

Acq: 21 Feb 2024 18:26

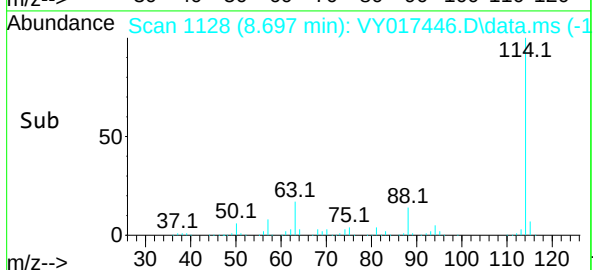
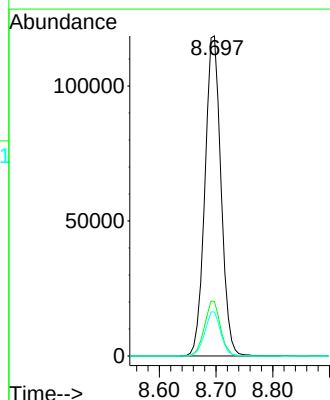
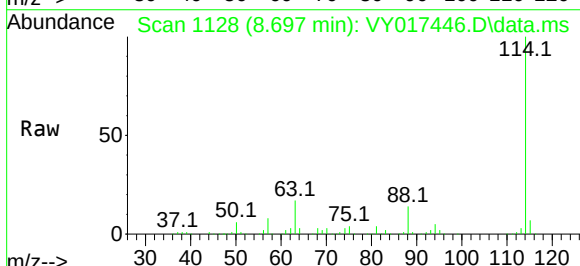
Tgt Ion: 114 Resp: 233182

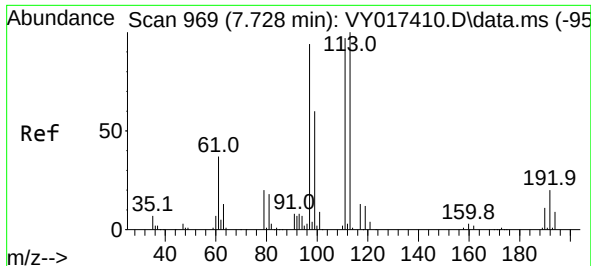
Ion Ratio Lower Upper

114 100

63 17.0 0.0 35.0

88 13.7 0.0 27.2

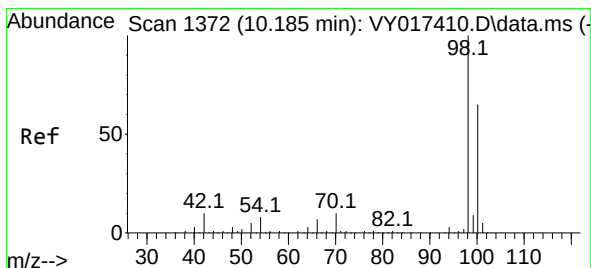
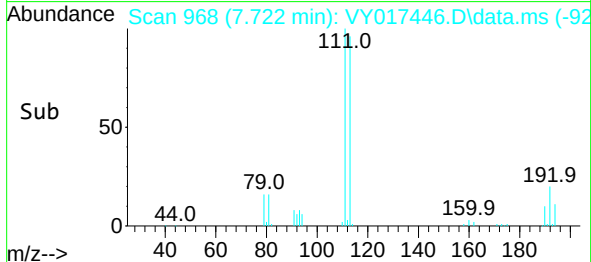
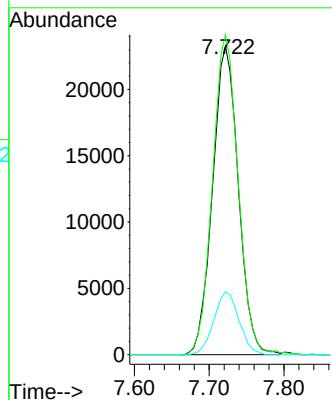
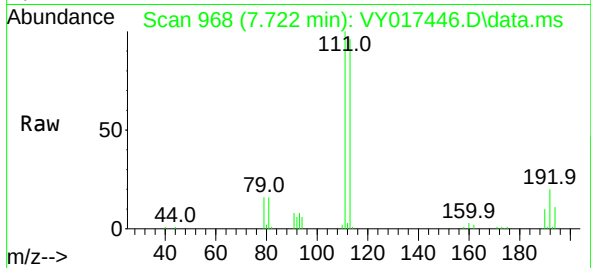




#35
Dibromofluoromethane
Concen: 40.838 ug/l
RT: 7.722 min Scan# 913
Delta R.T. -0.006 min
Lab File: VY017446.D
Acq: 21 Feb 2024 18:26

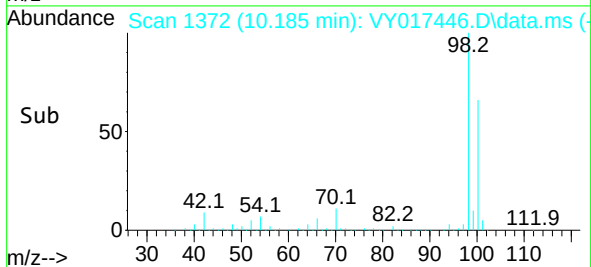
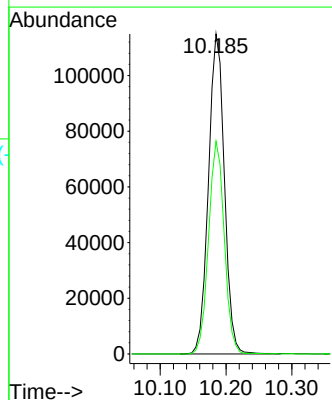
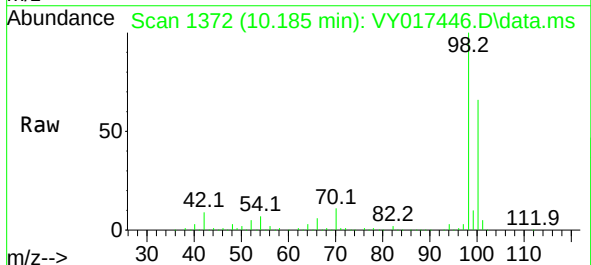
Instrument :
MSVOA_Y
ClientSampleId :
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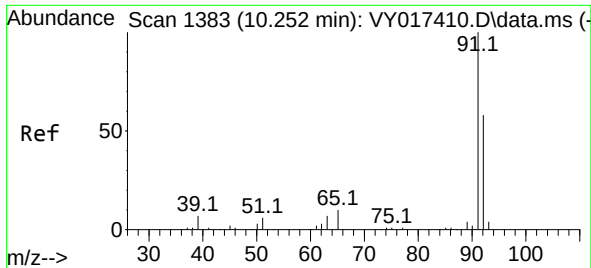
Tgt Ion:113 Resp: 55742
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.4
192 20.0 15.9 23.9



#50
Toluene-d8
Concen: 36.570 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY017446.D
Acq: 21 Feb 2024 18:26

Tgt Ion: 98 Resp: 193592
Ion Ratio Lower Upper
98 100
100 65.5 52.0 78.0

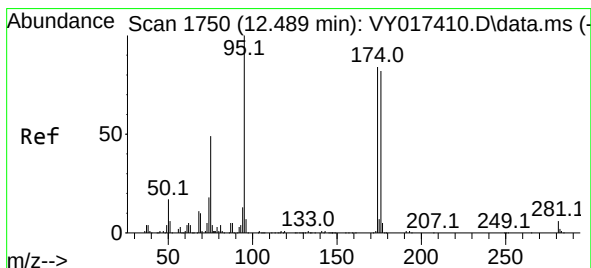
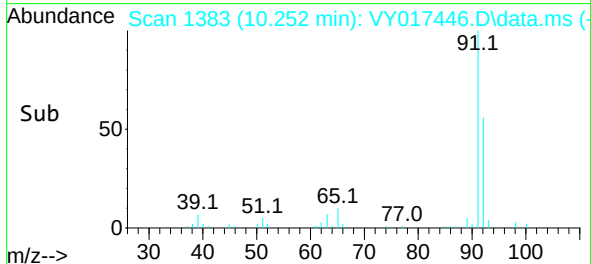
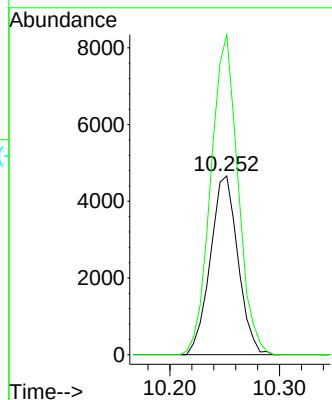
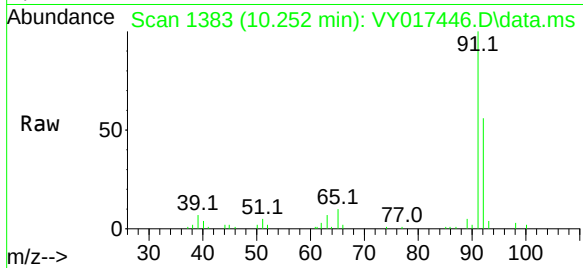




#52
Toluene
Concen: 1.961 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VY017446.D
Acq: 21 Feb 2024 18:26

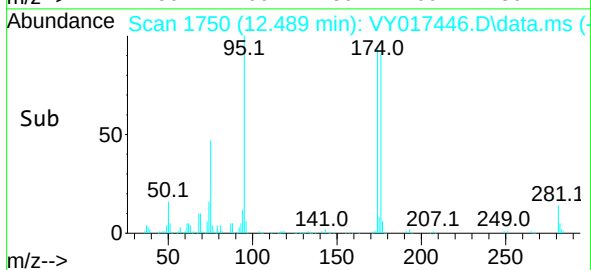
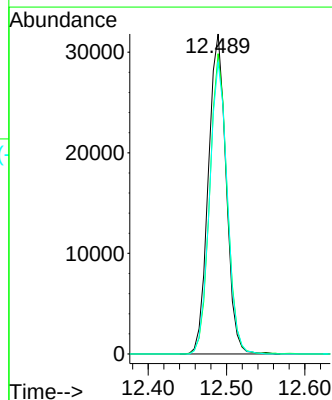
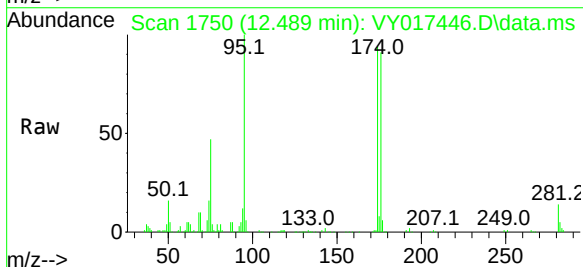
Instrument :
MSVOA_Y
ClientSampleId :
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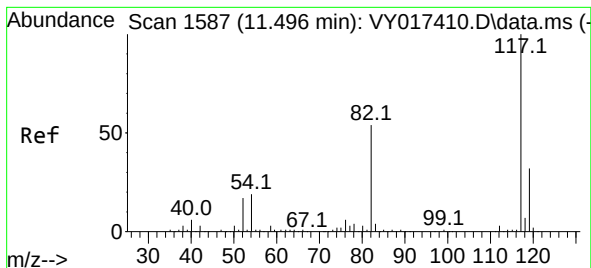
Tgt Ion: 92 Resp: 8156
Ion Ratio Lower Upper
92 100
91 176.4 139.0 208.6



#62
4-Bromofluorobenzene
Concen: 29.104 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY017446.D
Acq: 21 Feb 2024 18:26

Tgt Ion: 95 Resp: 50064
Ion Ratio Lower Upper
95 100
174 91.8 0.0 175.6
176 91.0 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY017446.D

Acq: 21 Feb 2024 18:26

Instrument :

MSVOA_Y

ClientSampleId :

13

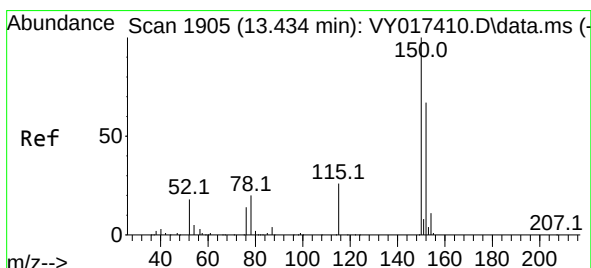
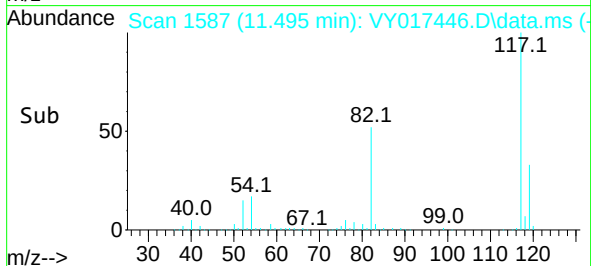
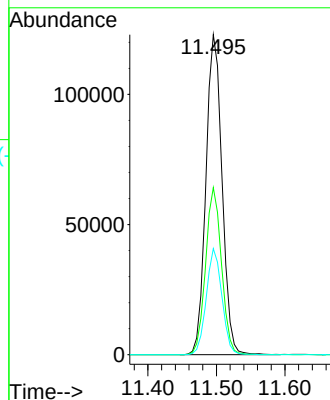
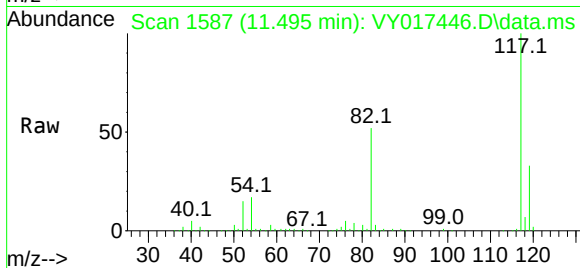
Tgt Ion:117 Resp: 201695

Ion Ratio Lower Upper

117 100

82 52.2 42.4 63.6

119 33.2 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VY017446.D

Acq: 21 Feb 2024 18:26

Tgt Ion:152 Resp: 70275

Ion Ratio Lower Upper

152 100

115 53.5 28.2 84.7

150 155.7 0.0 345.6

