

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051123\
 Data File : VY013713.D
 Acq On : 11 May 2023 13:27
 Operator : KP/MD
 Sample : 02719-10RE
 Misc : 5.12g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-01_10-12_20230509

Quant Time: May 12 04:41:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

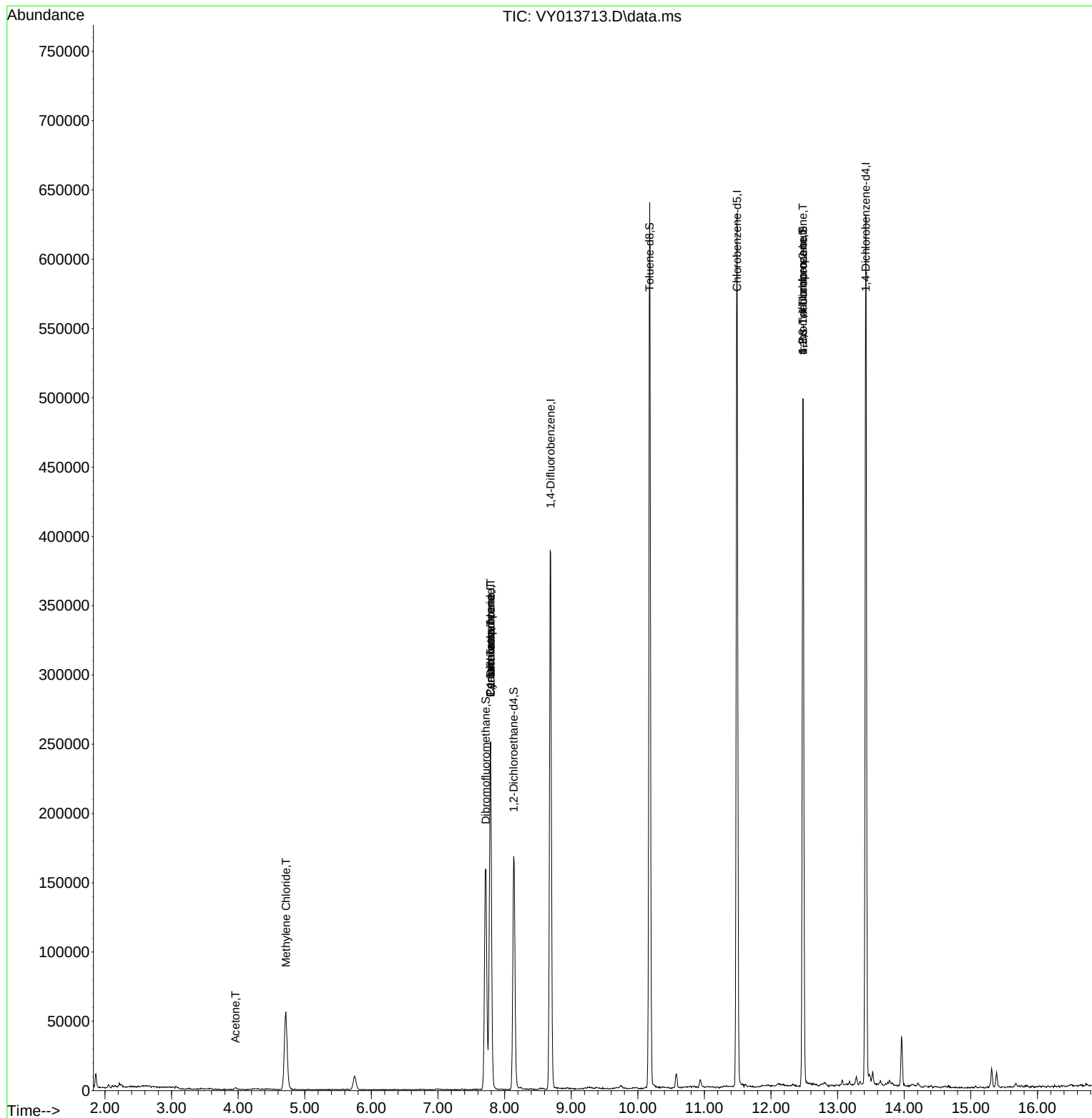
Internal Standards						
1) Pentafluorobenzene	7.789	168	189572	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	327839	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	328411	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	154976	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	138992	66.883	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.760%	
35) Dibromofluoromethane	7.716	113	112599	54.608	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.220%	
50) Toluene-d8	10.179	98	404891	55.198	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 110.400%	
62) 4-Bromofluorobenzene	12.477	95	139862	56.558	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 113.120%	
Target Compounds						
						Qvalue
16) Acetone	3.960	43	2612	3.192	ug/l	89
20) Methylene Chloride	4.716	84	40432	9.163	ug/l	90
31) Cyclohexane	7.789	56	4714	1.267	ug/l #	51
36) 1,1-Dichloropropene	7.789	75	14678	4.289	ug/l #	48
38) Carbon Tetrachloride	7.789	117	18763	5.231	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	76075	36.399	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	76075	74.456	ug/l #	13

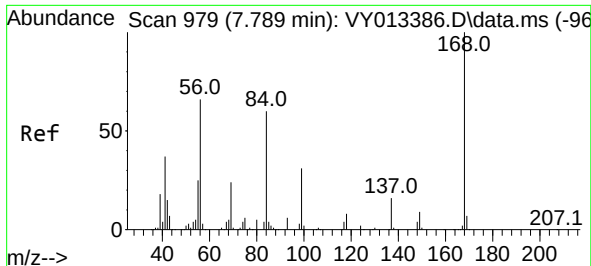
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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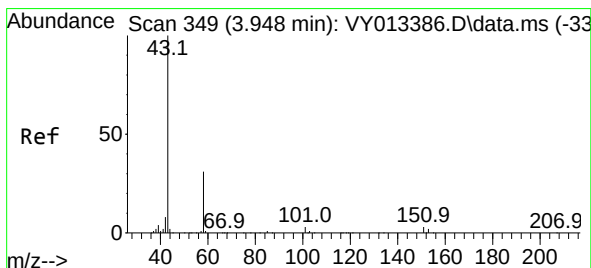
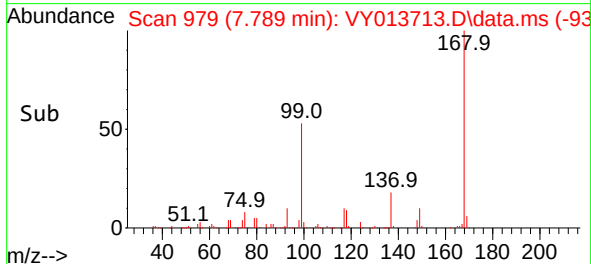
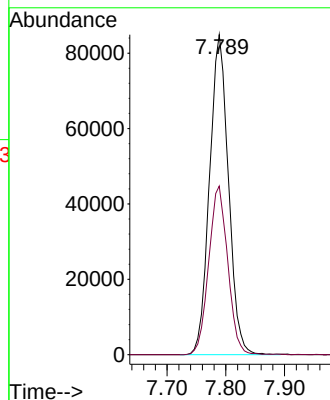
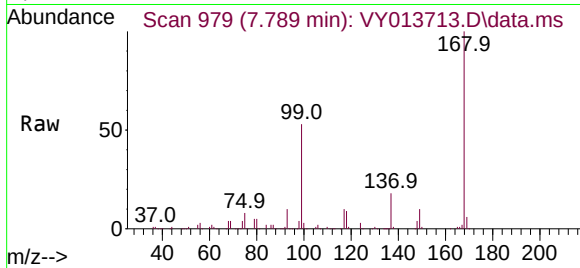




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013713.D
Acq: 11 May 2023 13:27

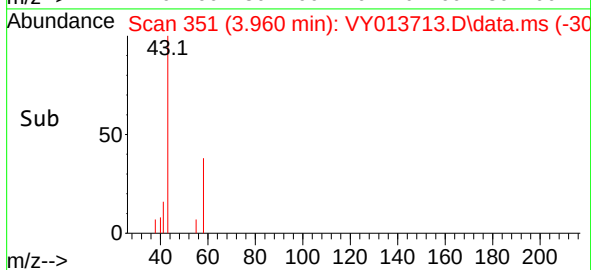
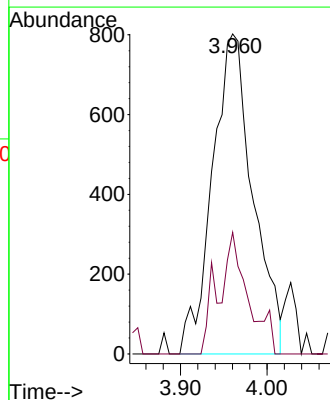
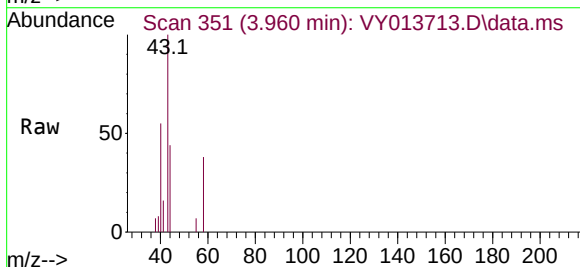
Instrument :
MSVOA_Y
ClientSampleId :
SB-01_10-12_20230509

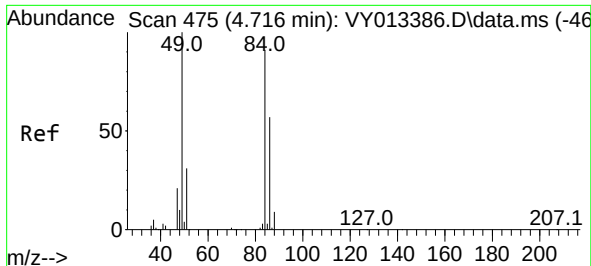
Tgt Ion:168 Resp: 189572
Ion Ratio Lower Upper
168 100
99 52.7 41.8 62.6



#16
Acetone
Concen: 3.192 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.012 min
Lab File: VY013713.D
Acq: 11 May 2023 13:27

Tgt Ion: 43 Resp: 2612
Ion Ratio Lower Upper
43 100
58 38.0 25.4 38.0

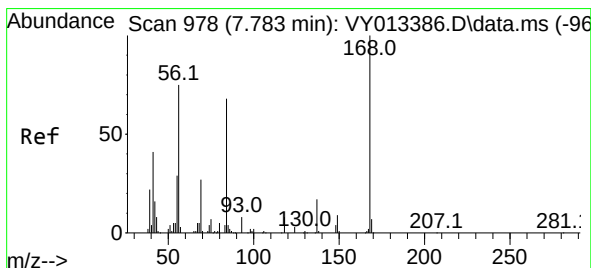
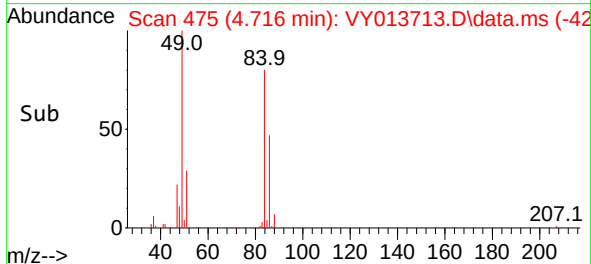
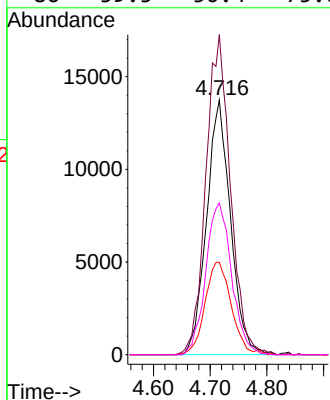
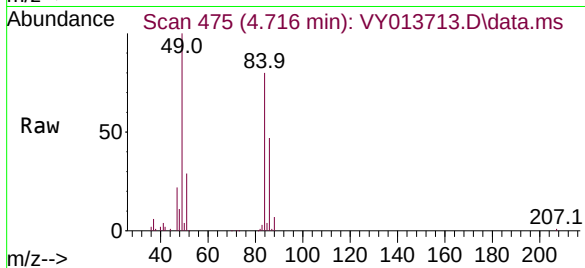




#20
Methylene Chloride
Concen: 9.163 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY013713.D
Acq: 11 May 2023 13:27

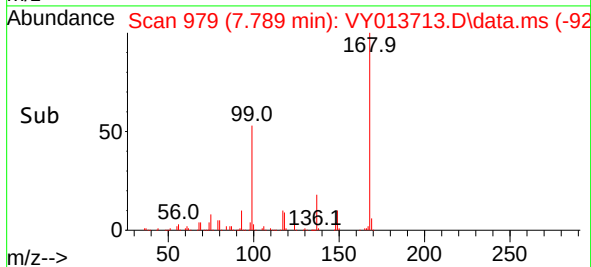
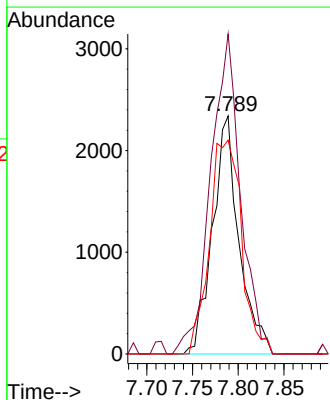
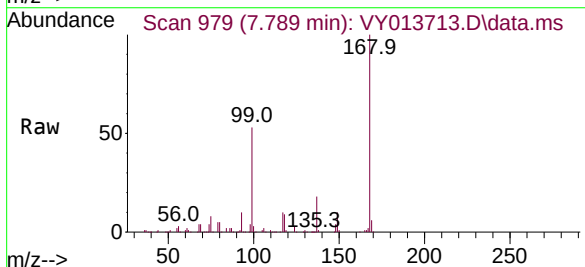
Instrument :
MSVOA_Y
ClientSampleId :
SB-01_10-12_20230509

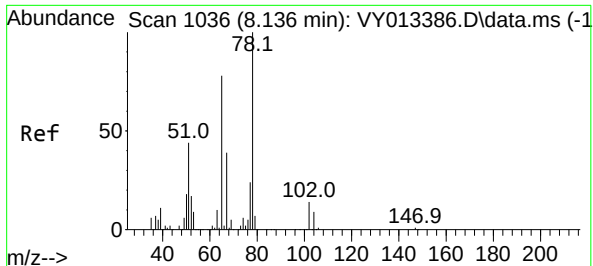
Tgt Ion:	84	Resp:	40432
Ion	Ratio	Lower	Upper
84	100		
49	125.6	88.0	132.0
51	36.3	27.4	41.0
86	59.5	50.4	75.6



#31
Cyclohexane
Concen: 1.267 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY013713.D
Acq: 11 May 2023 13:27

Tgt Ion:	56	Resp:	4714
Ion	Ratio	Lower	Upper
56	100		
69	127.8	29.2	43.8#
84	85.4	73.0	109.6





#33

1,2-Dichloroethane-d4

Concen: 66.883 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY013713.D

Acq: 11 May 2023 13:27

Instrument :

MSVOA_Y

ClientSampleId :

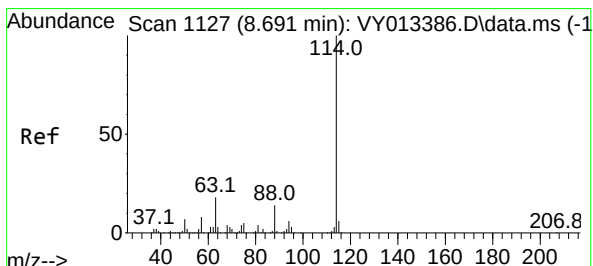
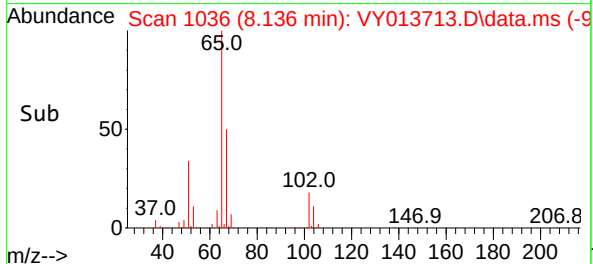
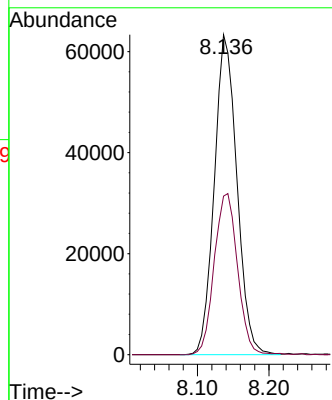
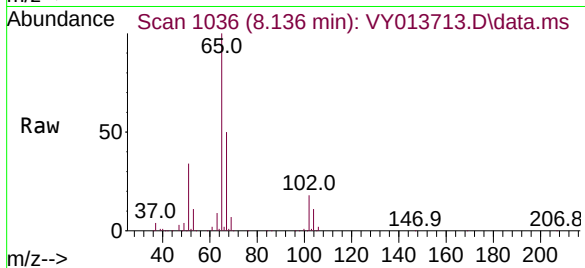
SB-01_10-12_20230509

Tgt Ion: 65 Resp: 138992

Ion Ratio Lower Upper

65 100

67 52.0 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013713.D

Acq: 11 May 2023 13:27

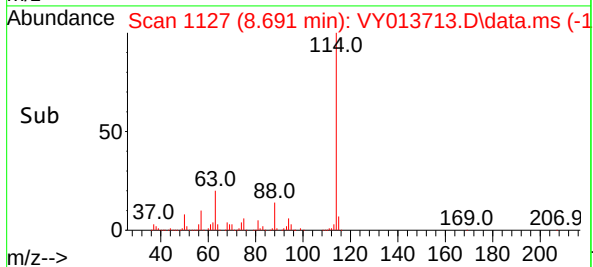
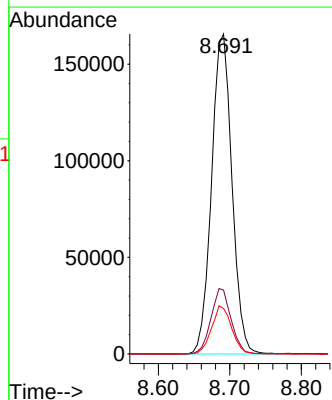
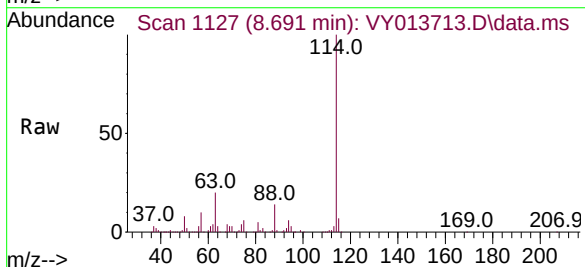
Tgt Ion: 114 Resp: 327839

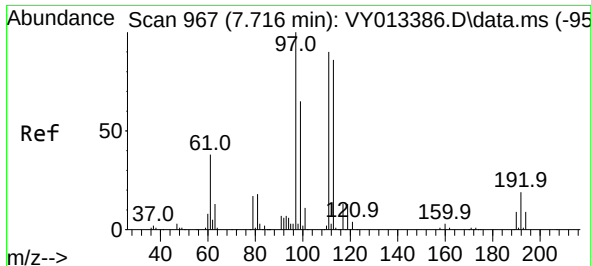
Ion Ratio Lower Upper

114 100

63 19.9 0.0 36.6

88 14.2 0.0 28.8

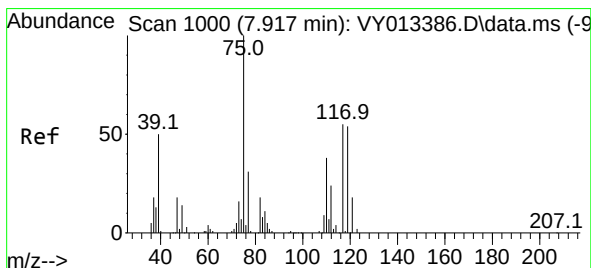
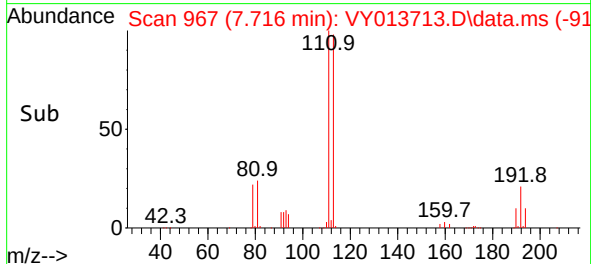
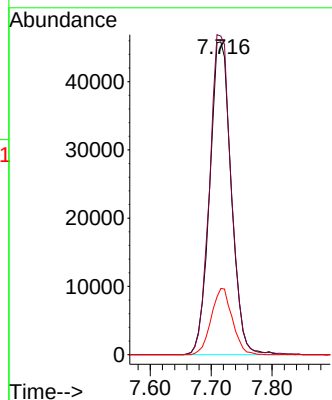
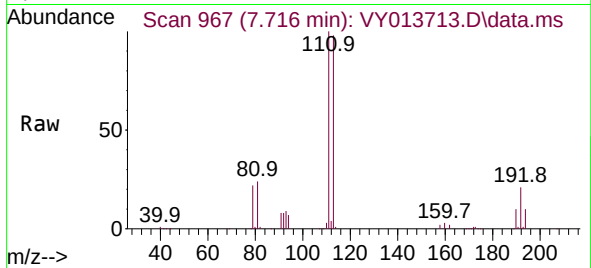




#35
Dibromofluoromethane
Concen: 54.608 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY013713.D
Acq: 11 May 2023 13:27

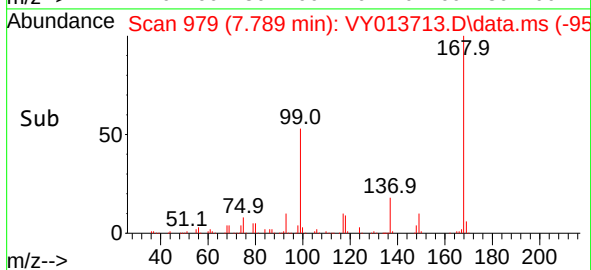
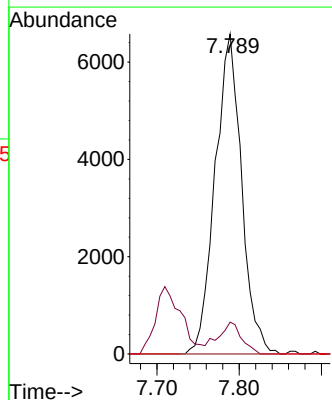
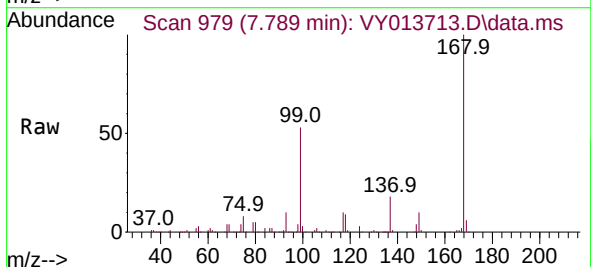
Instrument :
MSVOA_Y
ClientSampleId :
SB-01_10-12_20230509

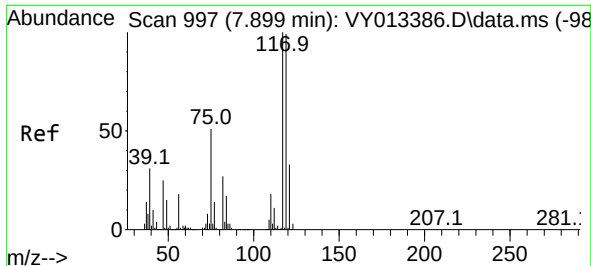
Tgt Ion:113 Resp: 112599
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.2
192 20.7 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.289 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013713.D
Acq: 11 May 2023 13:27

Tgt Ion: 75 Resp: 14678
Ion Ratio Lower Upper
75 100
110 8.8 18.7 56.1#
77 0.0 24.6 37.0#

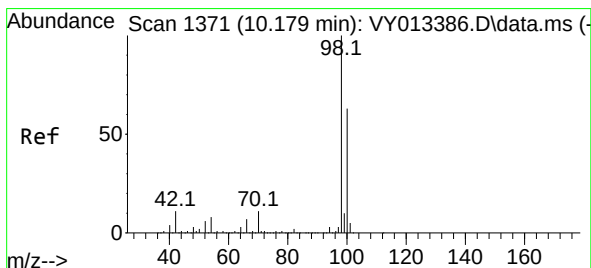
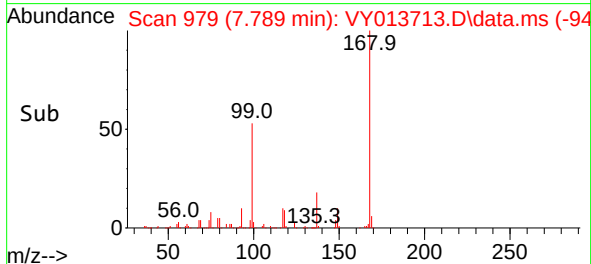
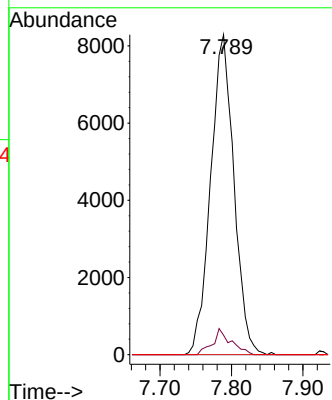
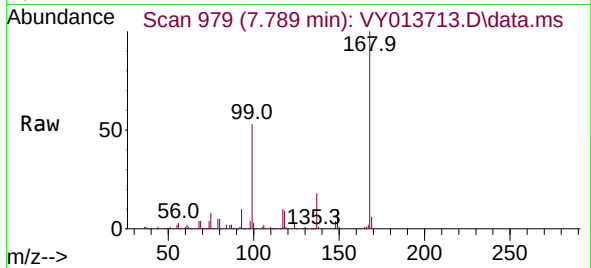




#38
Carbon Tetrachloride
Concen: 5.231 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013713.D
Acq: 11 May 2023 13:27

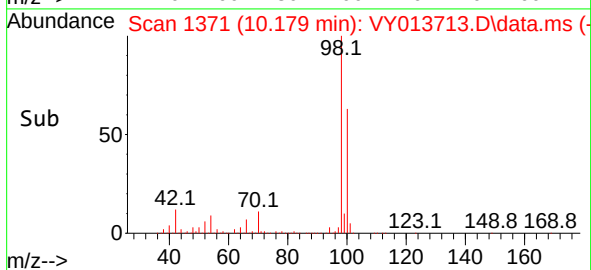
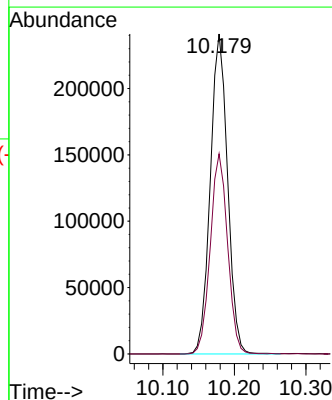
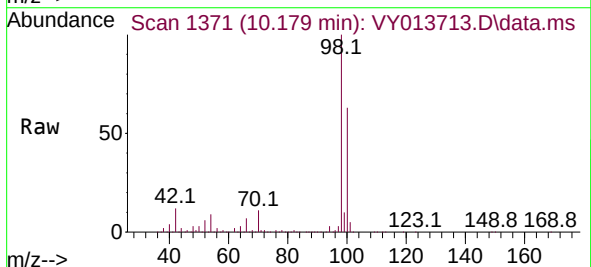
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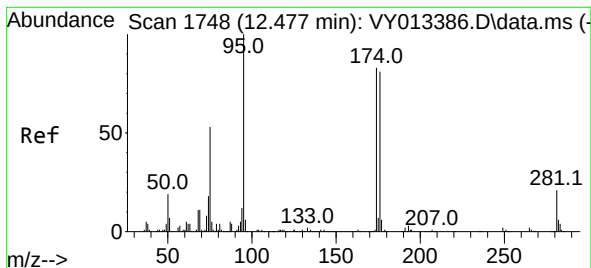
Tgt Ion:117 Resp: 18763
Ion Ratio Lower Upper
117 100
119 6.1 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 55.198 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013713.D
Acq: 11 May 2023 13:27

Tgt Ion: 98 Resp: 404891
Ion Ratio Lower Upper
98 100
100 62.5 50.5 75.7





#62

4-Bromofluorobenzene

Concen: 56.558 ug/l

RT: 12.477 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY013713.D

Acq: 11 May 2023 13:27

Instrument :

MSVOA_Y

ClientSampleId :

SB-01_10-12_20230509

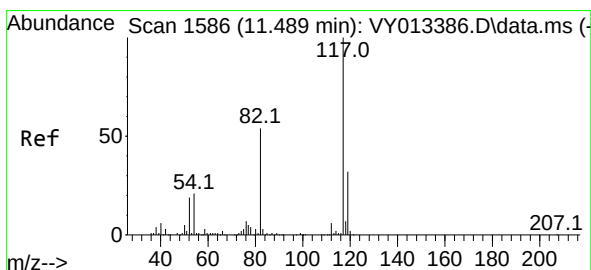
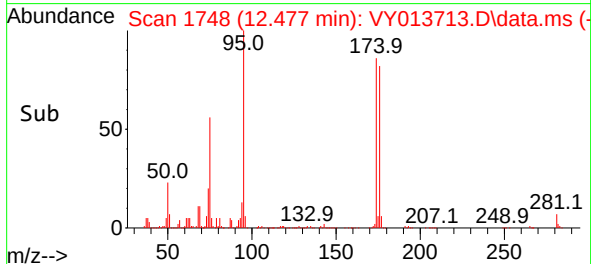
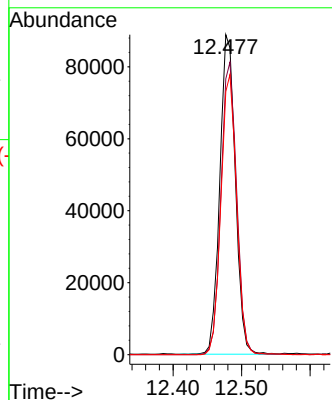
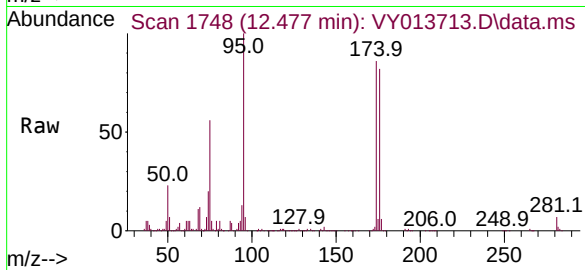
Tgt Ion: 95 Resp: 139862

Ion Ratio Lower Upper

95 100

174 92.1 0.0 182.0

176 88.2 0.0 175.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. 0.000 min

Lab File: VY013713.D

Acq: 11 May 2023 13:27

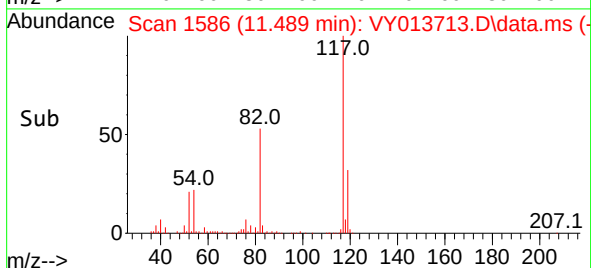
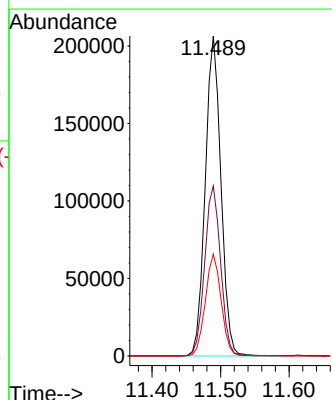
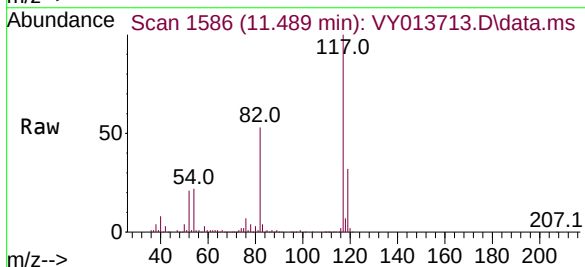
Tgt Ion: 117 Resp: 328411

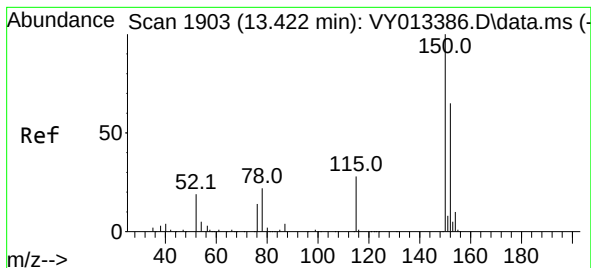
Ion Ratio Lower Upper

117 100

82 53.2 43.0 64.6

119 31.9 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY013713.D

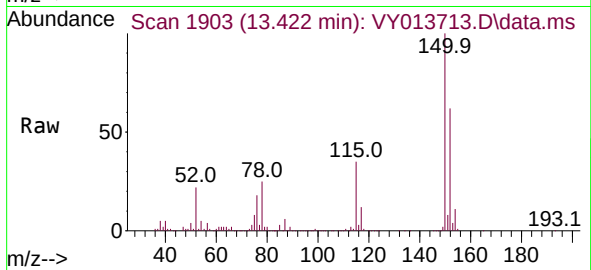
Acq: 11 May 2023 13:27

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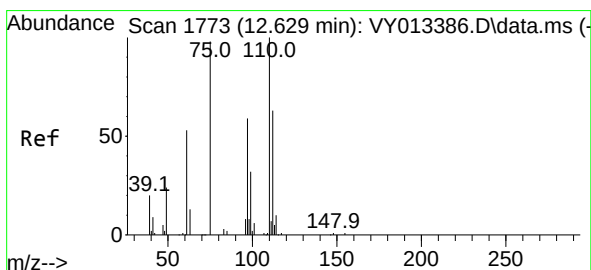
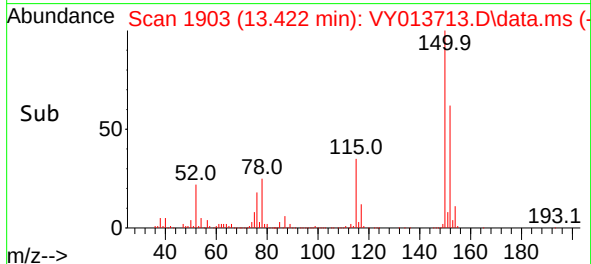
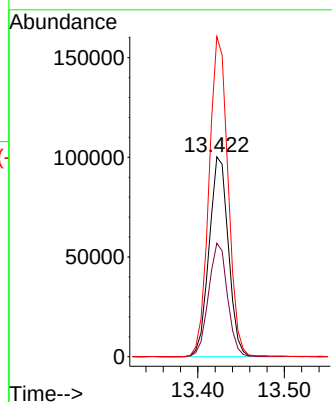
Tgt Ion:152 Resp: 154976

Ion Ratio Lower Upper

152 100

115 55.8 28.1 84.2

150 158.3 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 36.399 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY013713.D

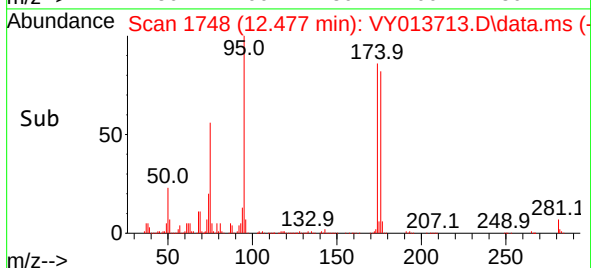
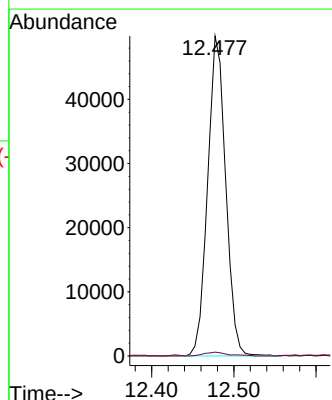
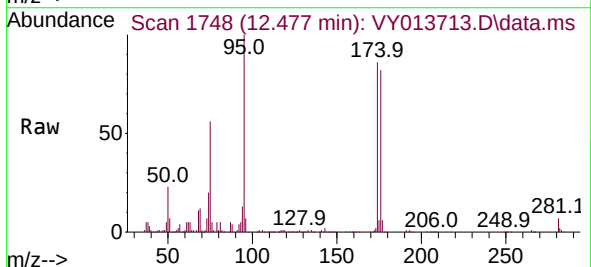
Acq: 11 May 2023 13:27

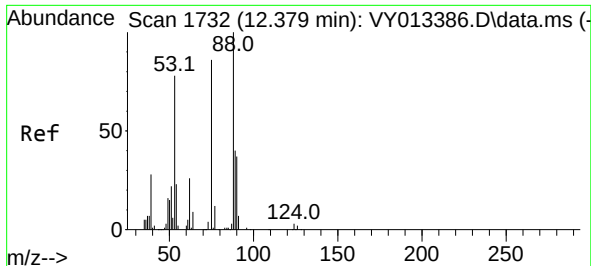
Tgt Ion: 75 Resp: 76075

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 74.456 ug/l

RT: 12.477 min Scan# 11

Delta R.T. 0.098 min

Lab File: VY013713.D

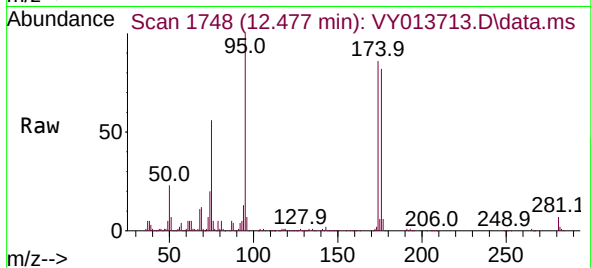
Acq: 11 May 2023 13:27

Instrument :

MSVOA_Y

ClientSampleId :

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Tgt Ion: 75 Resp: 76075

Ion Ratio Lower Upper

75 100

53 0.7 73.2 109.8#

89 0.3 38.0 57.0#

