

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051123\
 Data File : VY013719.D
 Acq On : 11 May 2023 16:35
 Operator : KP/MD
 Sample : 02747-01
 Misc : 5.33g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-03-0-2-20230510

Quant Time: May 12 04:44:42 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)

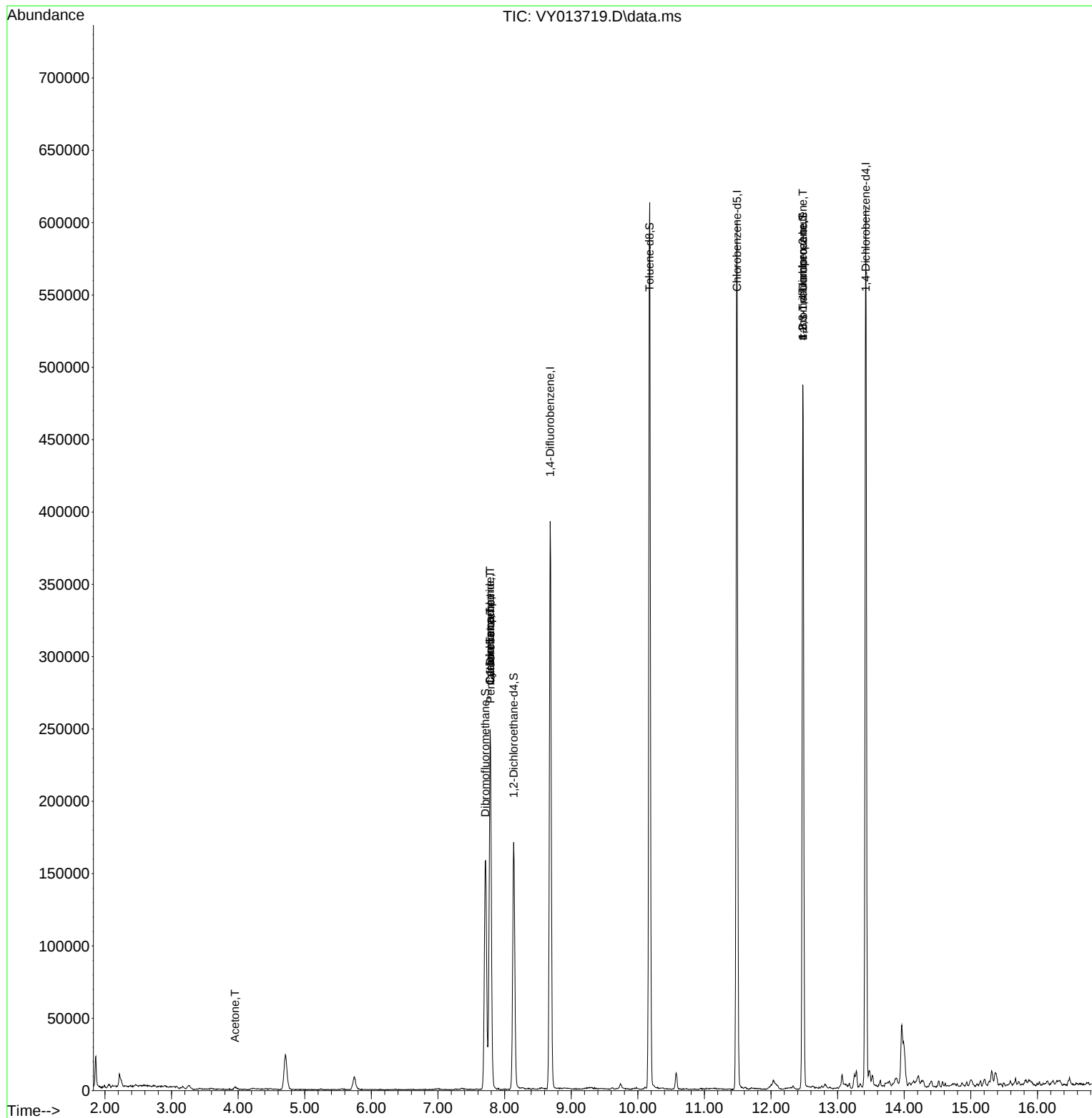
Internal Standards						
1) Pentafluorobenzene	7.789	168	191706	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	320363	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	316393	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	152416	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	137831	65.586	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 131.180%	
35) Dibromofluoromethane	7.710	113	111011	55.094	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.180%	
50) Toluene-d8	10.179	98	397415	55.443	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 110.880%	
62) 4-Bromofluorobenzene	12.477	95	133878	55.402	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 110.800%	
Target Compounds						
					Qvalue	
13) Acrolein	3.680	56	25	Below Cal	#	1
16) Acetone	3.954	43	3034	3.666	ug/l	91
20) Methylene Chloride	4.710	84	17551	Below Cal		93
31) Cyclohexane	7.783	56	4490	1.193	ug/l #	30
36) 1,1-Dichloropropene	7.783	75	14663	4.385	ug/l #	50
38) Carbon Tetrachloride	7.783	117	18595	5.305	ug/l #	14
76) 1,2,3-Trichloropropane	12.477	75	73980	35.991	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	73980	73.622	ug/l #	13

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

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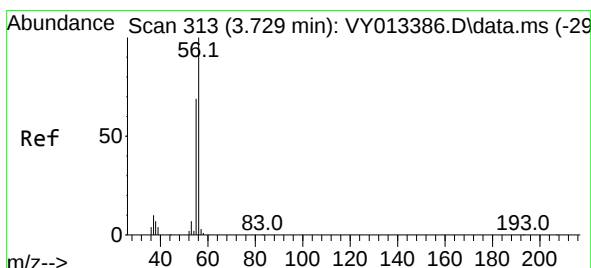
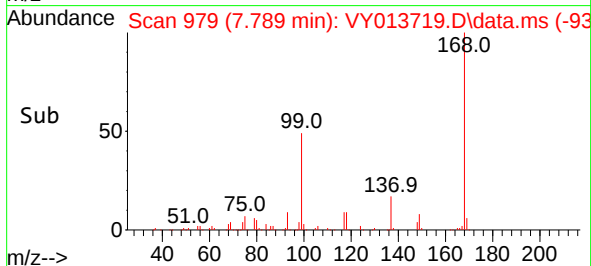
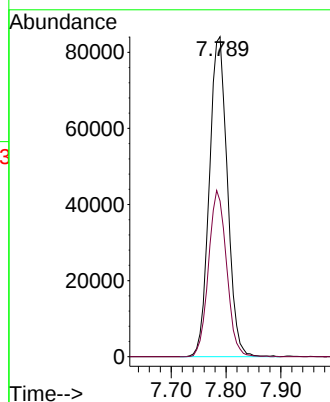
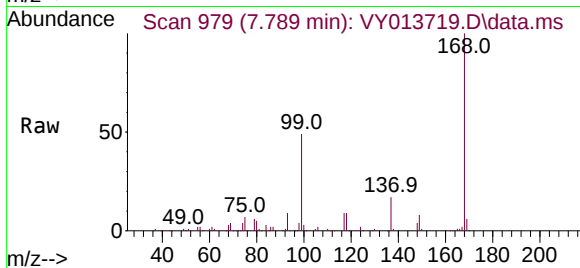




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013719.D
Acq: 11 May 2023 16:35

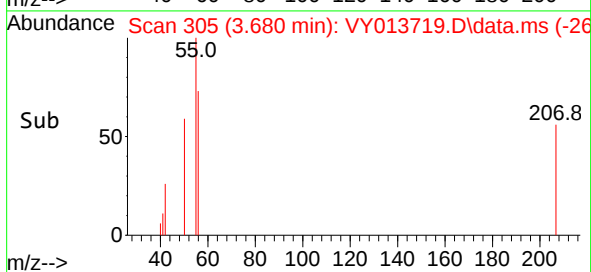
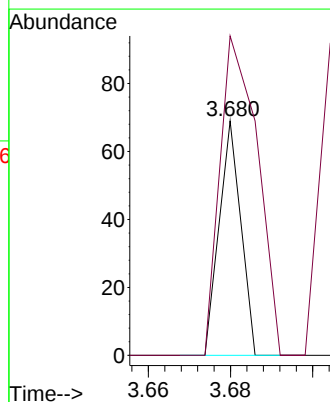
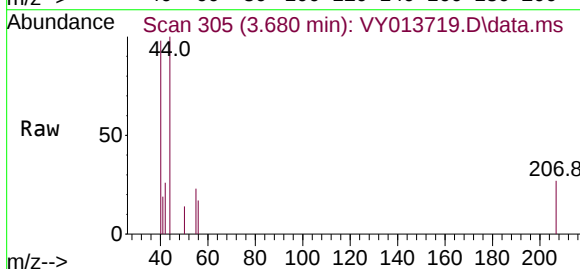
Instrument :
MSVOA_Y
ClientSampleId :
SB-03-0-2-20230510

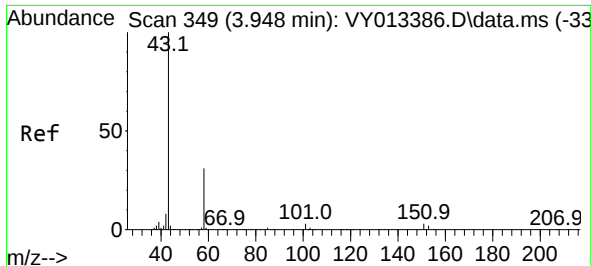
Tgt Ion:168 Resp: 191706
Ion Ratio Lower Upper
168 100
99 48.7 41.8 62.6



#13
Acrolein
Concen: Below Cal
RT: 3.680 min Scan# 305
Delta R.T. -0.049 min
Lab File: VY013719.D
Acq: 11 May 2023 16:35

Tgt Ion: 56 Resp: 25
Ion Ratio Lower Upper
56 100
55 240.0 54.1 81.1#





#16

Acetone

Concen: 3.666 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.006 min

Lab File: VY013719.D

Acq: 11 May 2023 16:35

Instrument :

MSVOA_Y

ClientSampleId :

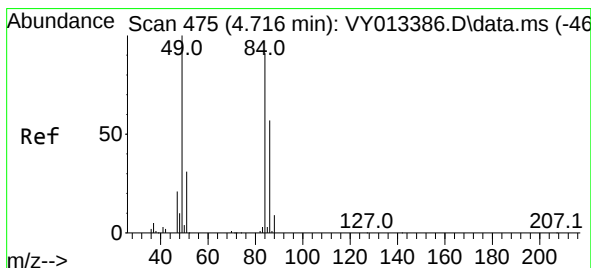
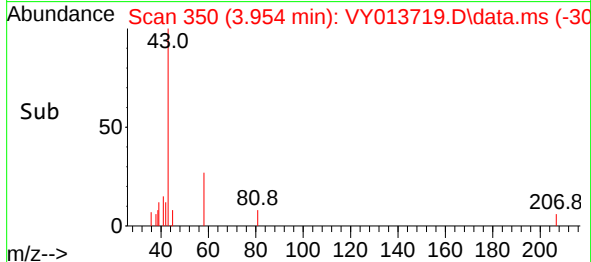
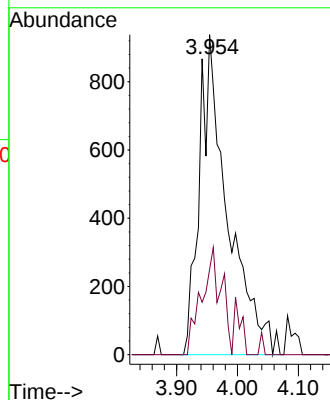
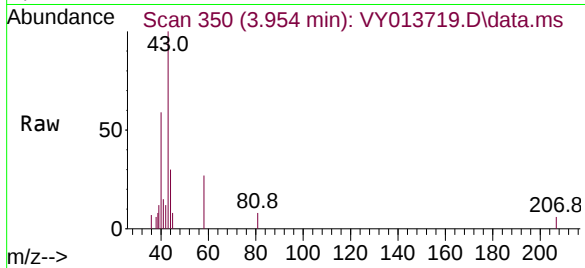
SB-03-0-2-20230510

Tgt Ion: 43 Resp: 3034

Ion Ratio Lower Upper

43 100

58 26.8 25.4 38.0



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY013719.D

Acq: 11 May 2023 16:35

Tgt Ion: 84 Resp: 17551

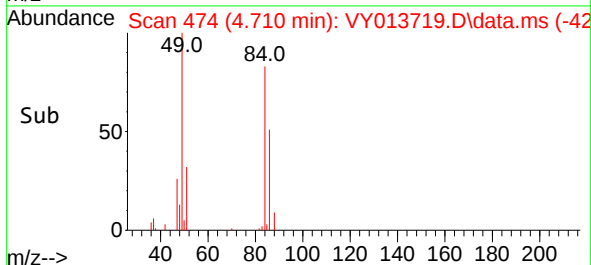
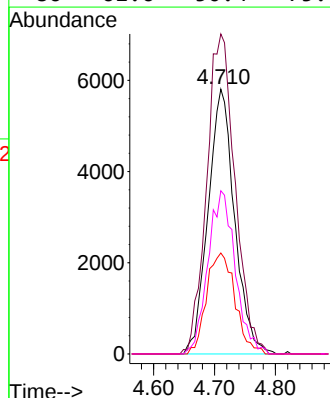
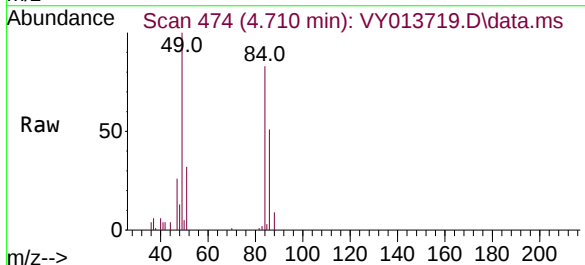
Ion Ratio Lower Upper

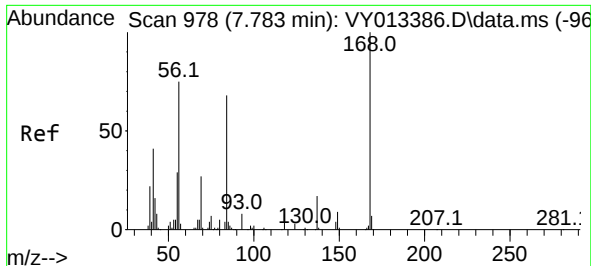
84 100

49 120.9 88.0 132.0

51 38.1 27.4 41.0

86 61.6 50.4 75.6

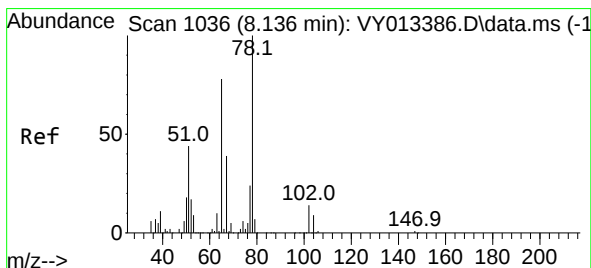
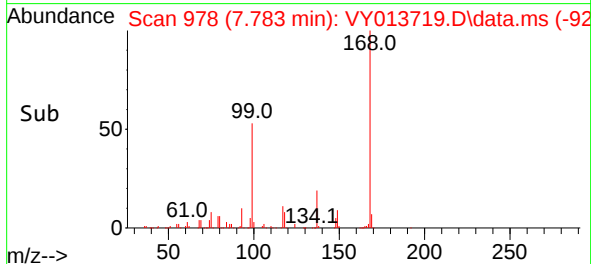
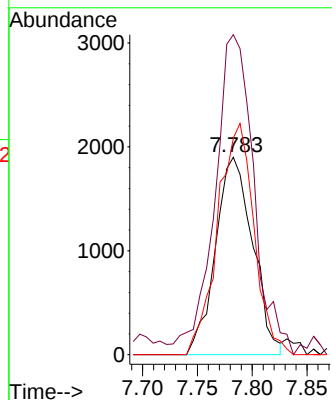
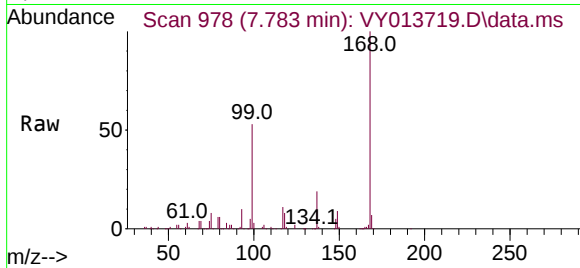




#31
Cyclohexane
Concen: 1.193 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013719.D
Acq: 11 May 2023 16:35

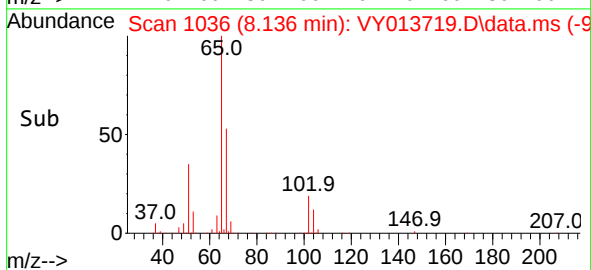
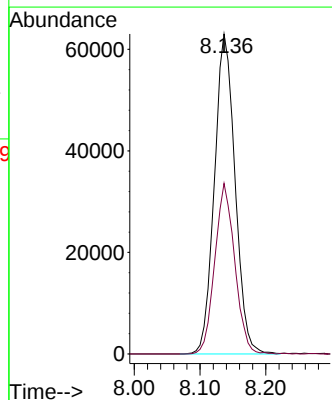
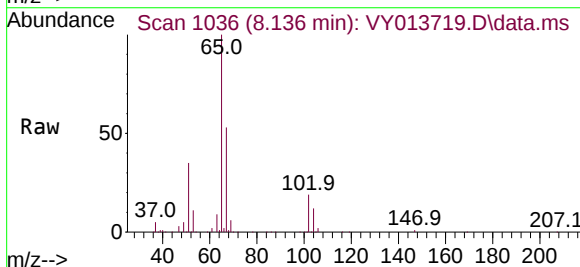
Instrument :
MSVOA_Y
ClientSampleId :
SB-03-0-2-20230510

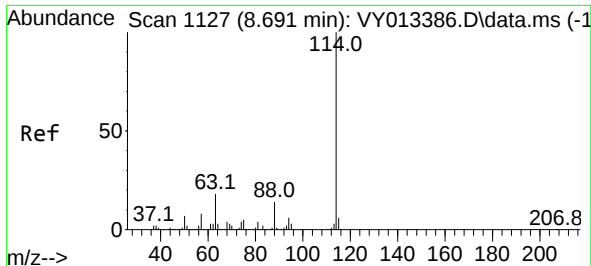
Tgt Ion: 56 Resp: 4490
Ion Ratio Lower Upper
56 100
69 152.4 29.2 43.8#
84 109.7 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 65.586 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013719.D
Acq: 11 May 2023 16:35

Tgt Ion: 65 Resp: 137831
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013719.D

Acq: 11 May 2023 16:35

Instrument :

MSVOA_Y

ClientSampleId :

SB-03-0-2-20230510

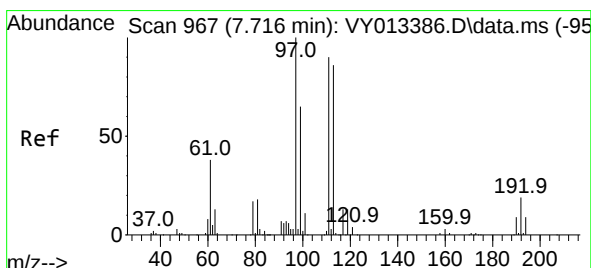
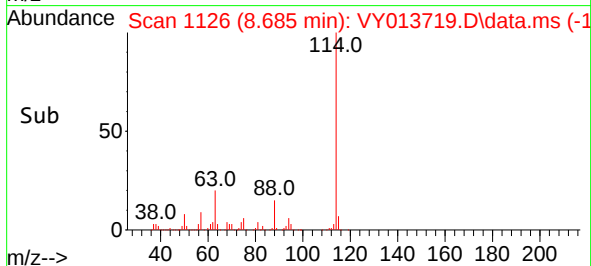
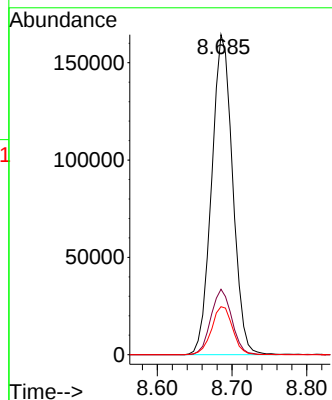
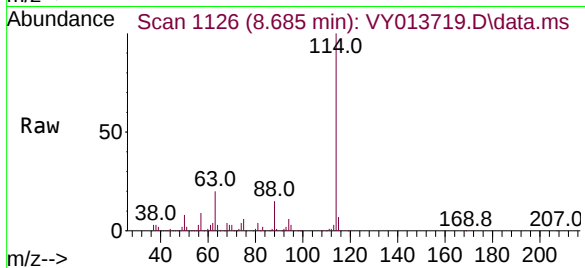
Tgt Ion:114 Resp: 320363

Ion Ratio Lower Upper

114 100

63 20.5 0.0 36.6

88 15.0 0.0 28.8



#35

Dibromofluoromethane

Concen: 55.094 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY013719.D

Acq: 11 May 2023 16:35

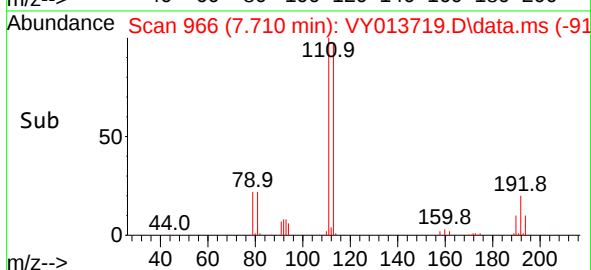
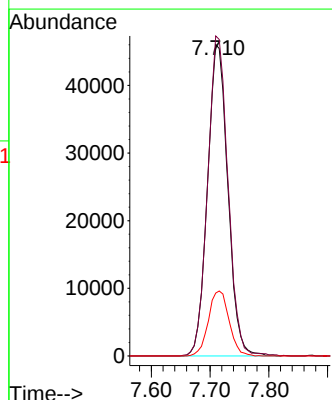
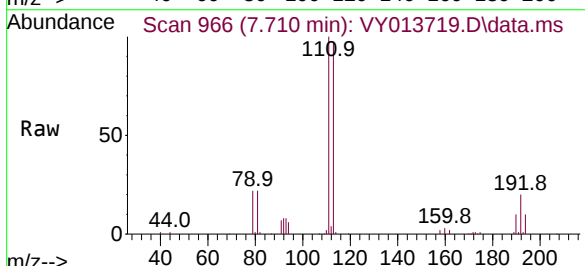
Tgt Ion:113 Resp: 111011

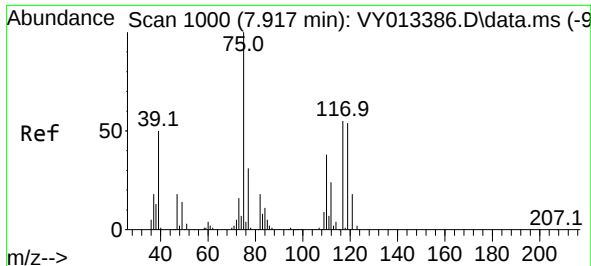
Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.2

192 21.2 16.7 25.1

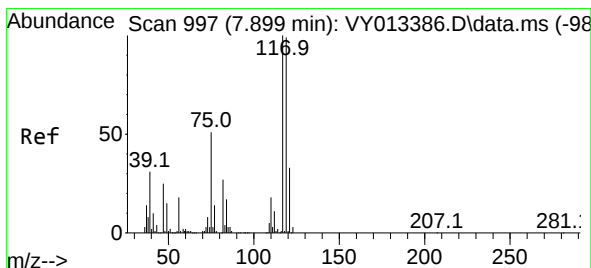
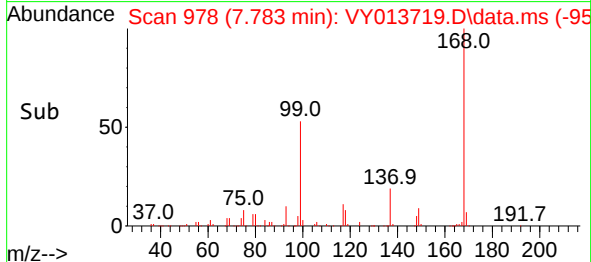
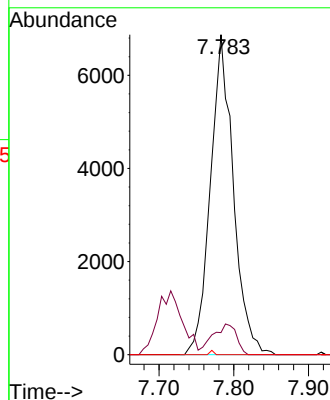
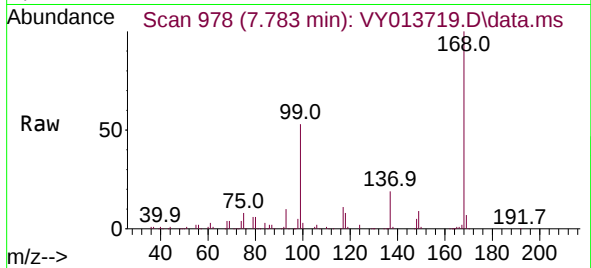




#36
1,1-Dichloropropene
Concen: 4.385 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY013719.D
Acq: 11 May 2023 16:35

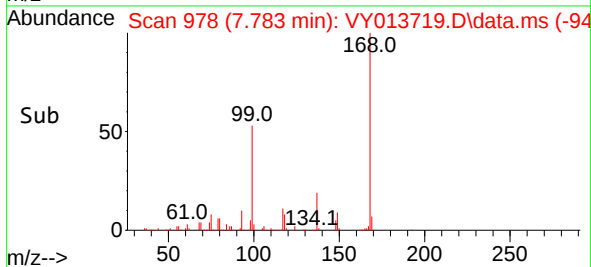
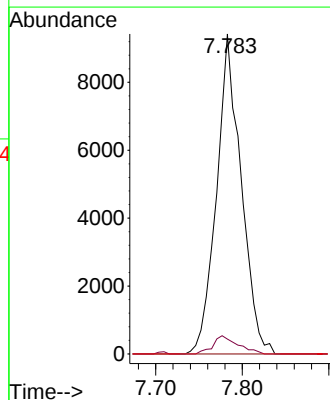
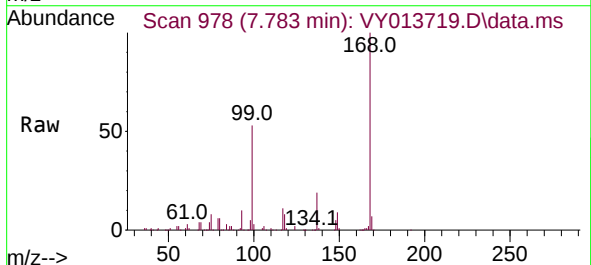
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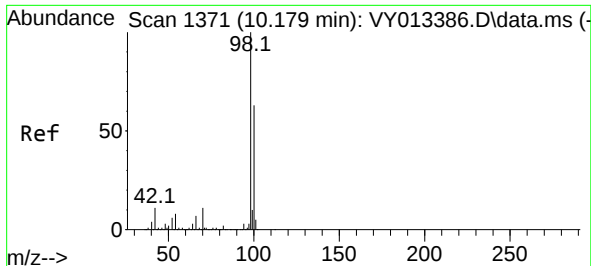
Tgt Ion: 75 Resp: 14663
Ion Ratio Lower Upper
75 100
110 9.9 18.7 56.1#
77 0.2 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.305 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY013719.D
Acq: 11 May 2023 16:35

Tgt Ion: 117 Resp: 18595
Ion Ratio Lower Upper
117 100
119 4.6 79.0 118.6#
121 0.0 26.6 40.0#

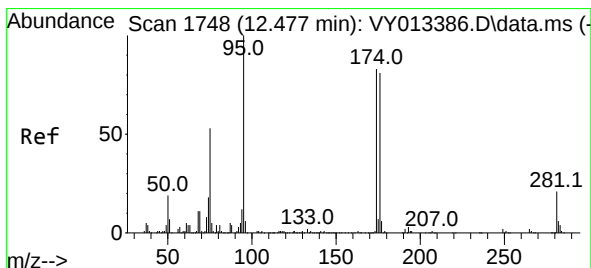
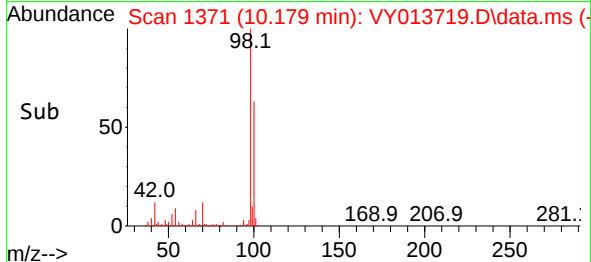
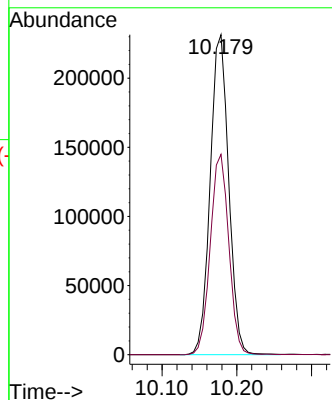
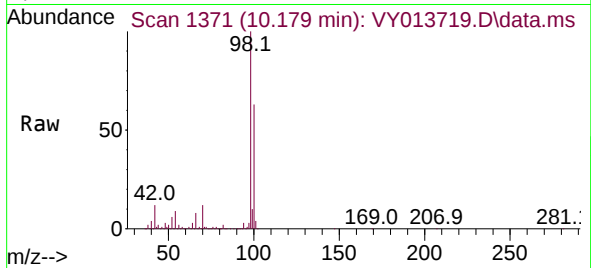




#50
Toluene-d8
Concen: 55.443 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013719.D
Acq: 11 May 2023 16:35

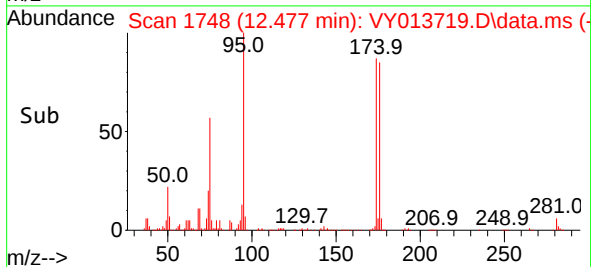
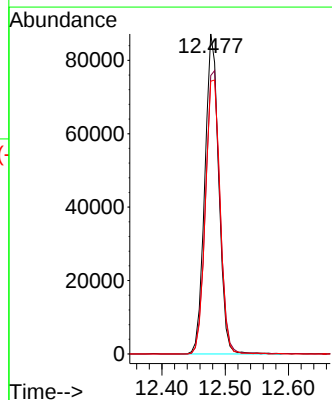
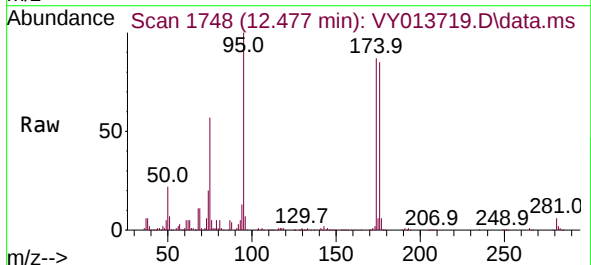
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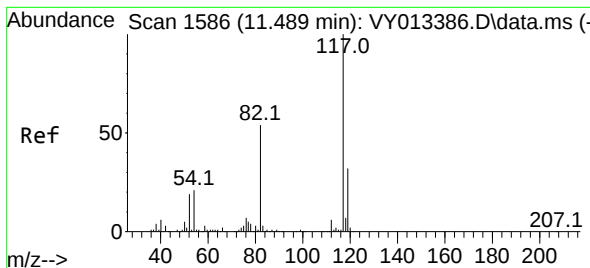
Tgt Ion: 98 Resp: 397415
Ion Ratio Lower Upper
98 100
100 62.7 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 55.402 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013719.D
Acq: 11 May 2023 16:35

Tgt Ion: 95 Resp: 133878
Ion Ratio Lower Upper
95 100
174 91.4 0.0 182.0
176 90.0 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013719.D

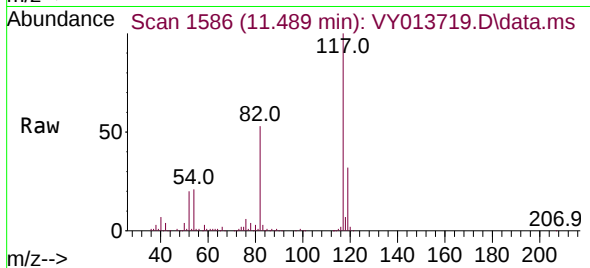
Acq: 11 May 2023 16:35

Instrument :

MSVOA_Y

ClientSampleId :

SB-03-0-2-20230510



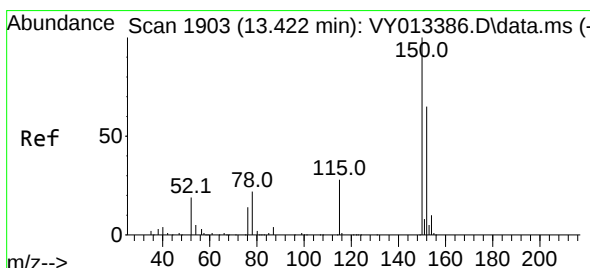
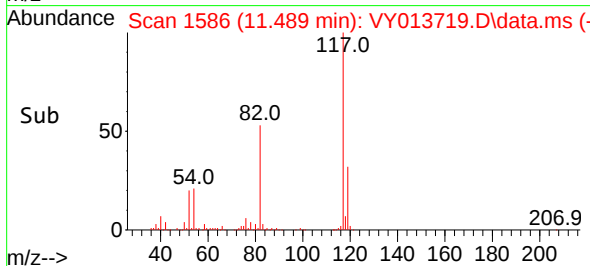
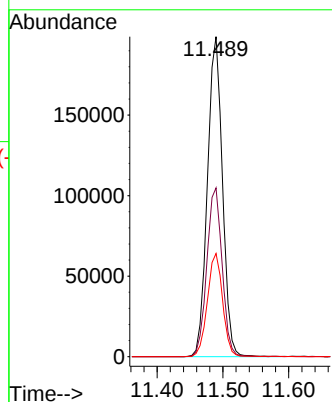
Tgt Ion:117 Resp: 316393

Ion Ratio Lower Upper

117 100

82 52.8 43.0 64.6

119 32.2 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: VY013719.D

Acq: 11 May 2023 16:35

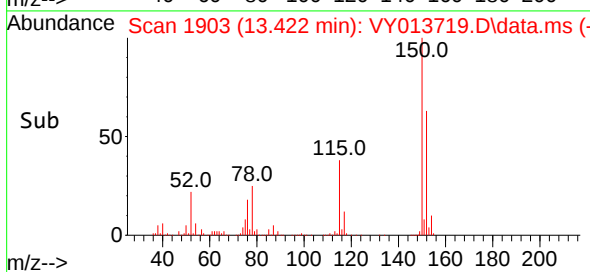
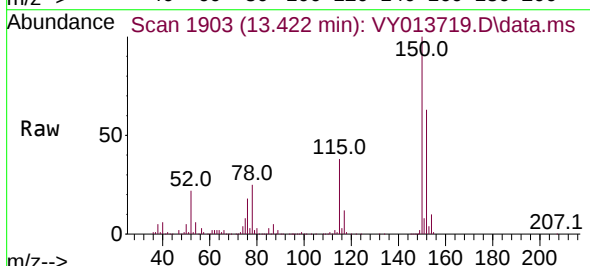
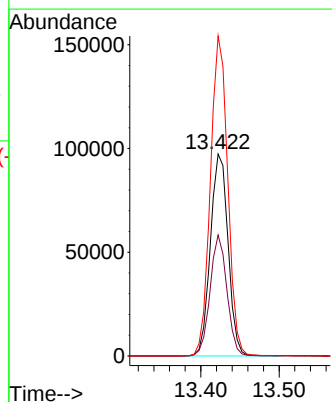
Tgt Ion:152 Resp: 152416

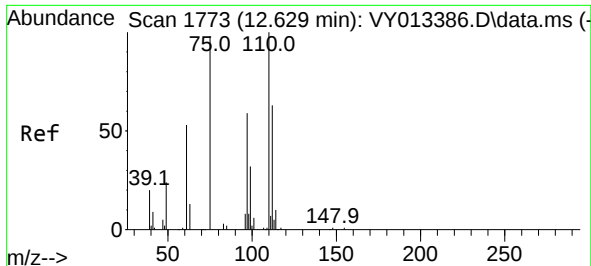
Ion Ratio Lower Upper

152 100

115 57.0 28.1 84.2

150 155.3 0.0 352.0

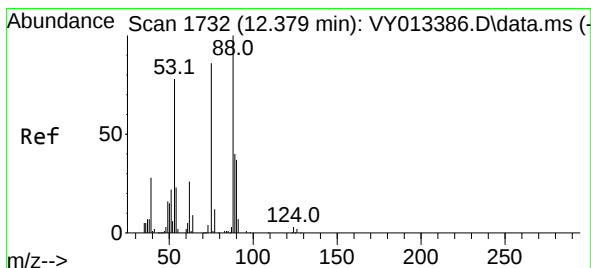
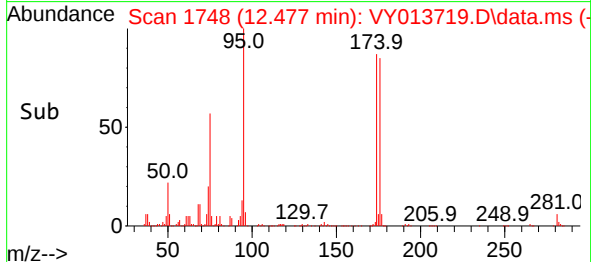
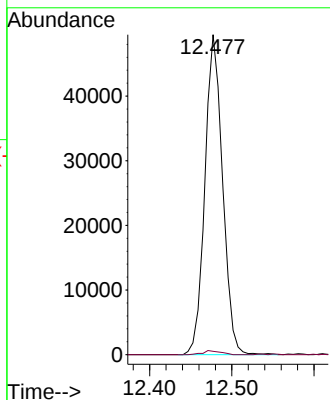
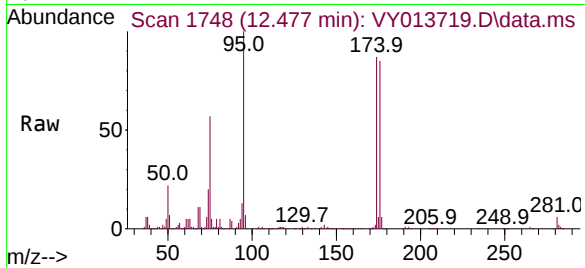




#76
1,2,3-Trichloropropane
Concen: 35.991 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013719.D
Acq: 11 May 2023 16:35

Instrument :
MSVOA_Y
ClientSampleId :
SB-03-0-2-20230510

Tgt Ion: 75 Resp: 73980
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.622 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013719.D
Acq: 11 May 2023 16:35

Tgt Ion: 75 Resp: 73980
Ion Ratio Lower Upper
75 100
53 0.0 73.2 109.8#
89 0.1 38.0 57.0#

