

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021718.D
 Acq On : 31 Mar 2025 14:38
 Operator : SY/MD
 Sample : Q1675-01
 Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P1

Quant Time: Apr 01 05:37:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

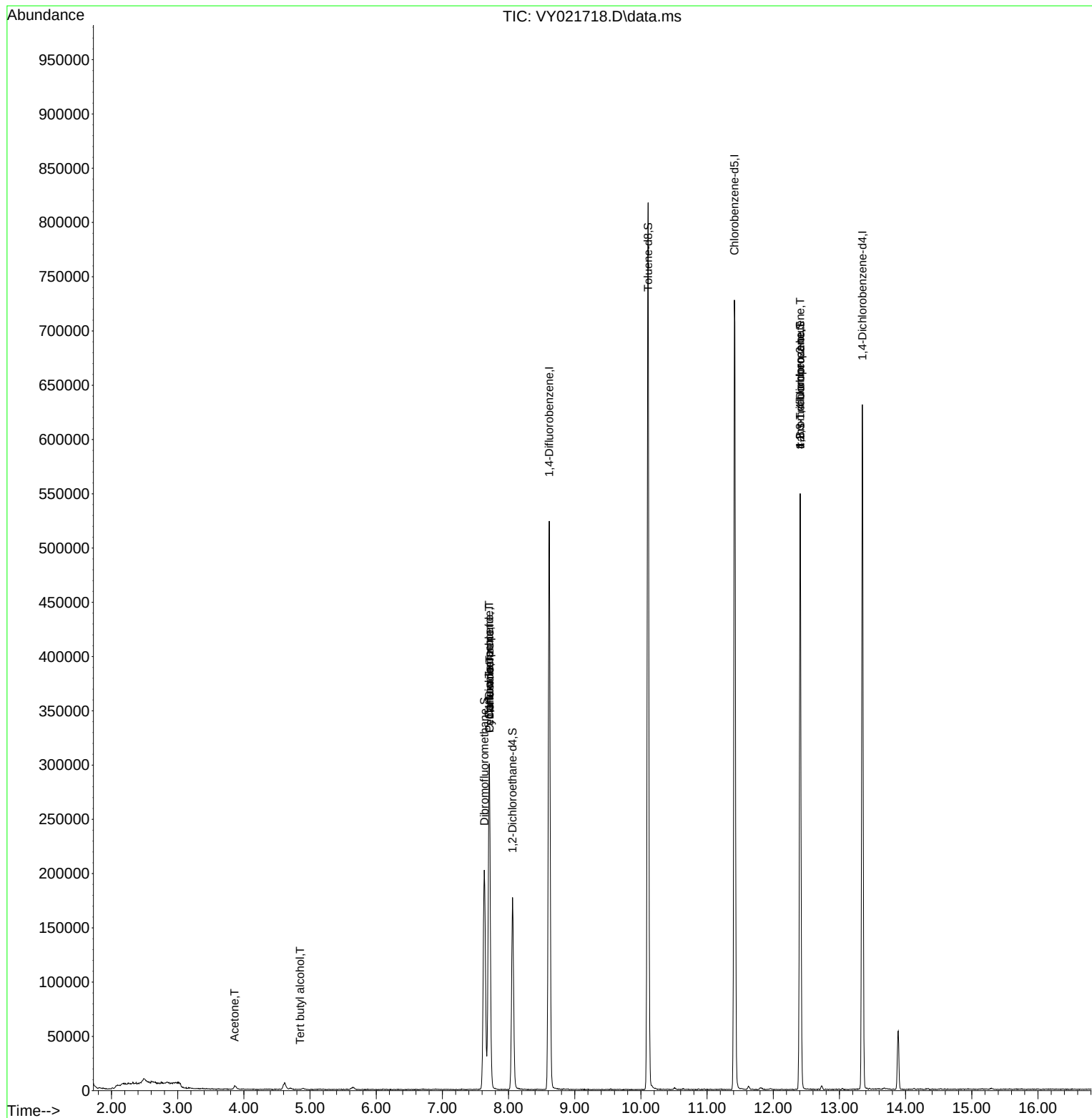
Internal Standards						
1) Pentafluorobenzene	7.713	168	225152	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	422046	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	384322	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	151796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	135238	55.438	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.880%
35) Dibromofluoromethane	7.634	113	142437	52.027	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.060%
50) Toluene-d8	10.109	98	510650	49.029	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.060%
62) 4-Bromofluorobenzene	12.407	95	158668	45.039	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.080%
Target Compounds						Qvalue
11) Tert butyl alcohol	4.848	59	180	1.136	ug/l #	70
16) Acetone	3.860	43	5181	10.377	ug/l #	86
20) Methylene Chloride	4.610	84	4224	Below Cal	#	67
31) Cyclohexane	7.713	56	5424	1.260	ug/l #	21
36) 1,1-Dichloropropene	7.707	75	18420	4.417	ug/l #	51
38) Carbon Tetrachloride	7.707	117	23559	4.933	ug/l #	16
76) 1,2,3-Trichloropropane	12.407	75	84195	55.955	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	84195	128.930	ug/l #	12

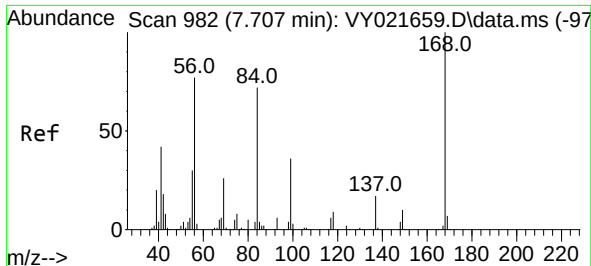
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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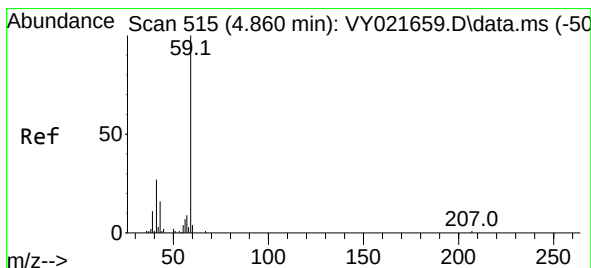
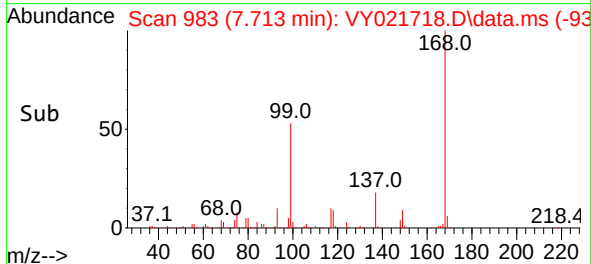
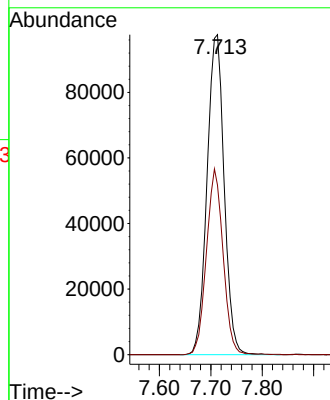
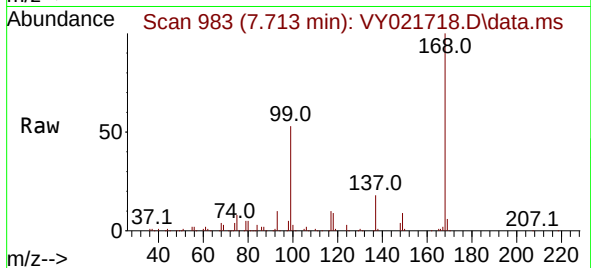




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021718.D
Acq: 31 Mar 2025 14:38

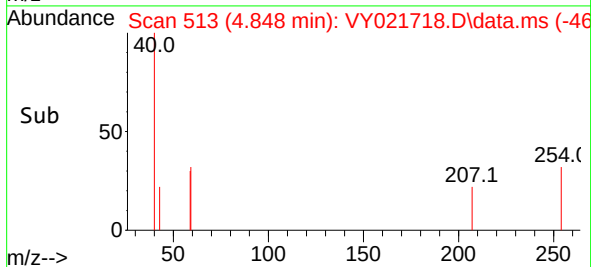
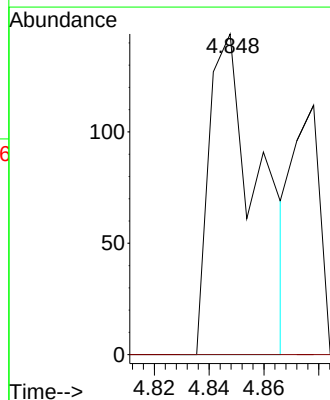
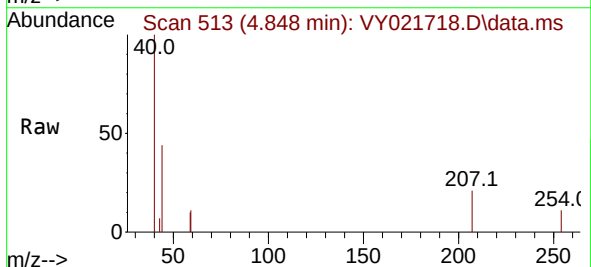
Instrument :
MSVOA_Y
ClientSampleId :
P1

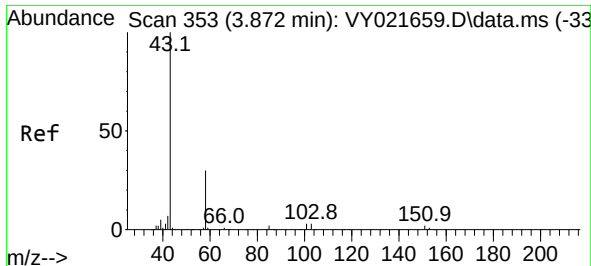
Tgt Ion:168 Resp: 225152
Ion Ratio Lower Upper
168 100
99 53.0 46.7 70.1



#11
Tert butyl alcohol
Concen: 1.136 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.012 min
Lab File: VY021718.D
Acq: 31 Mar 2025 14:38

Tgt Ion: 59 Resp: 180
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#





#16

Acetone

Concen: 10.377 ug/l

RT: 3.860 min Scan# 31

Delta R.T. -0.012 min

Lab File: VY021718.D

Acq: 31 Mar 2025 14:38

Instrument :

MSVOA_Y

ClientSampleId :

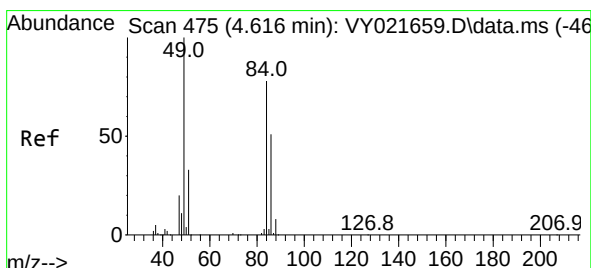
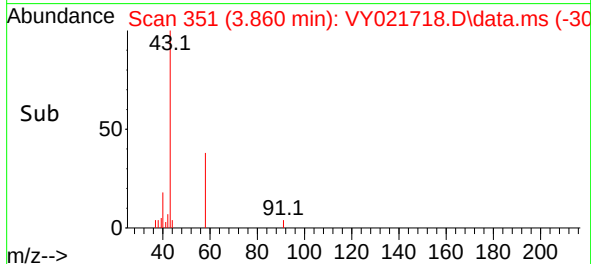
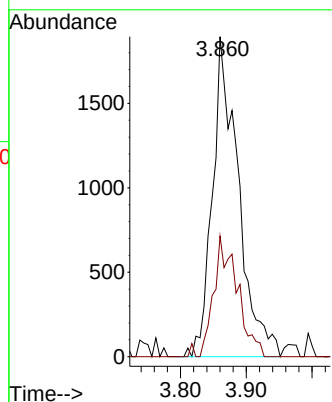
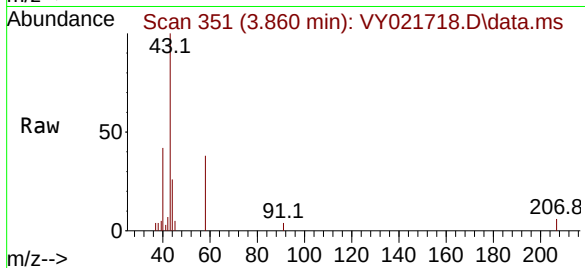
P1

Tgt Ion: 43 Resp: 5181

Ion Ratio Lower Upper

43 100

58 37.7 24.2 36.4#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.610 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY021718.D

Acq: 31 Mar 2025 14:38

Tgt Ion: 84 Resp: 4224

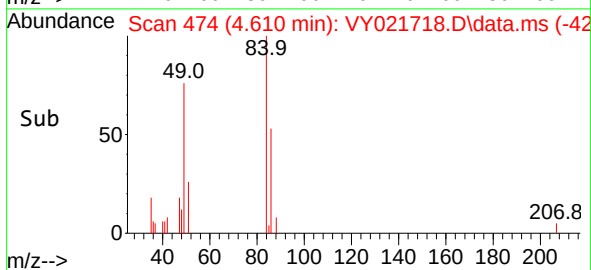
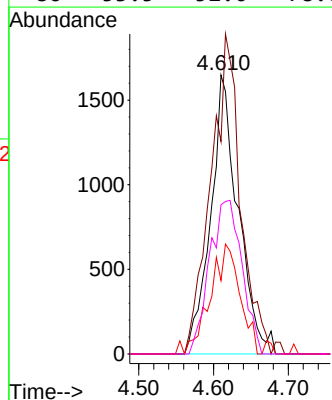
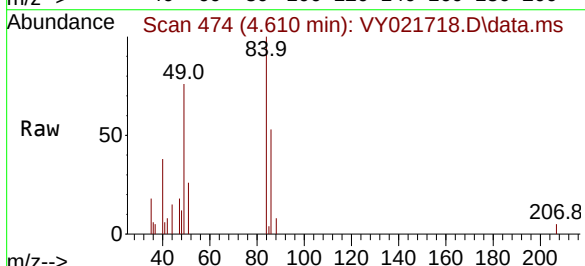
Ion Ratio Lower Upper

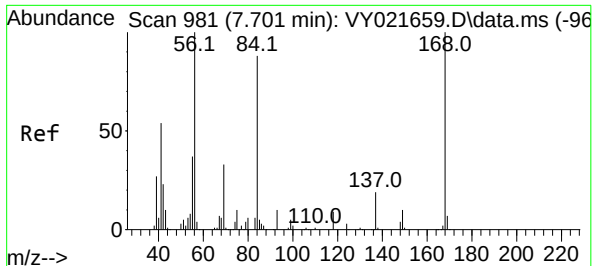
84 100

49 76.2 102.8 154.2#

51 26.3 33.5 50.3#

86 53.5 52.0 78.0

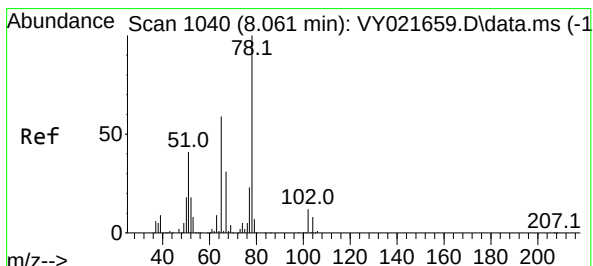
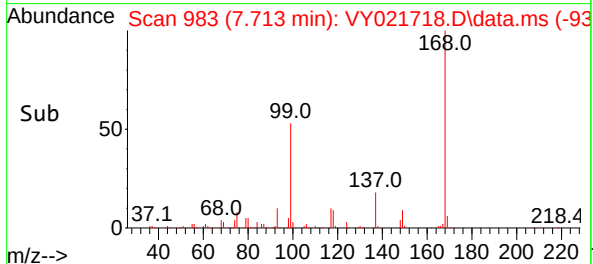
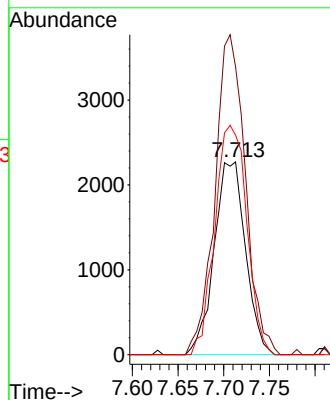
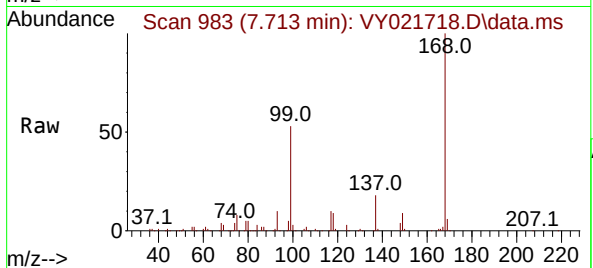




#31
Cyclohexane
Concen: 1.260 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY021718.D
Acq: 31 Mar 2025 14:38

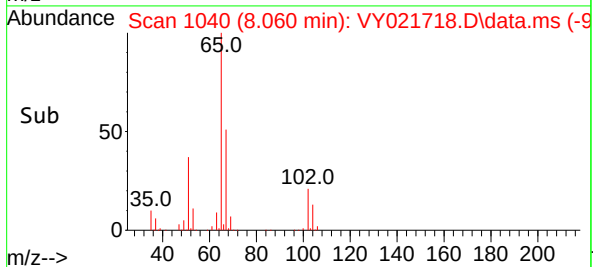
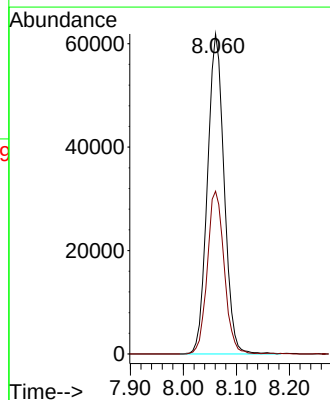
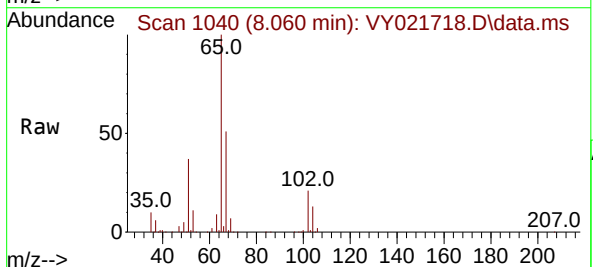
Instrument :
MSVOA_Y
ClientSampleId :
P1

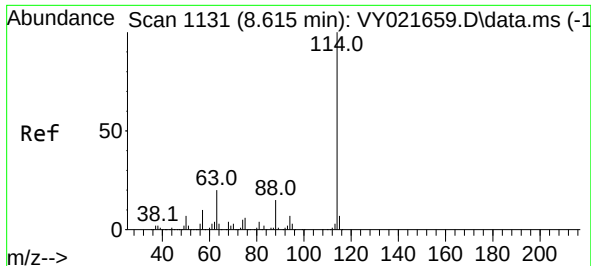
Tgt Ion: 56 Resp: 5424
Ion Ratio Lower Upper
56 100
69 149.3 26.6 40.0#
84 113.9 69.0 103.4#



#33
1,2-Dichloroethane-d4
Concen: 55.438 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021718.D
Acq: 31 Mar 2025 14:38

Tgt Ion: 65 Resp: 135238
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY021718.D

Acq: 31 Mar 2025 14:38

Instrument :

MSVOA_Y

ClientSampleId :

P1

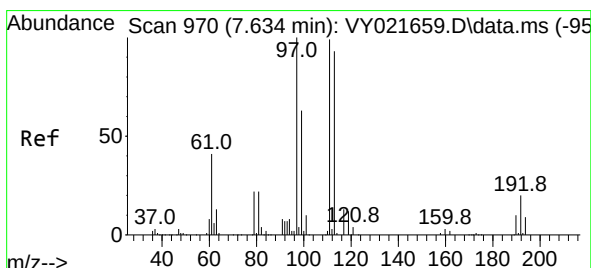
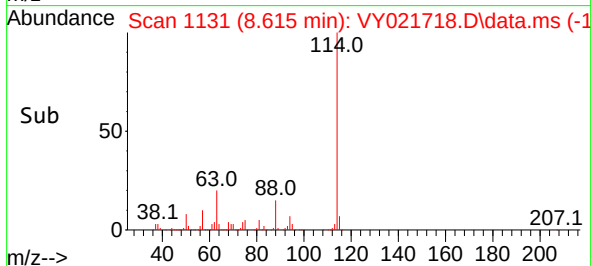
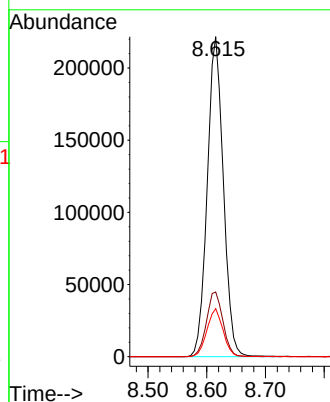
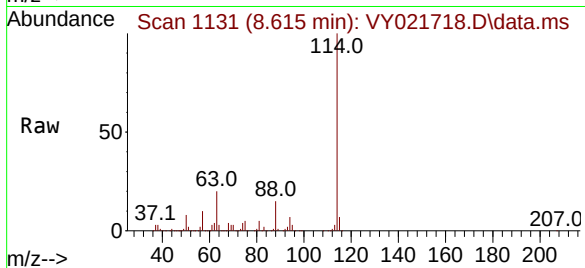
Tgt Ion:114 Resp: 422046

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.2

88 15.0 0.0 29.8



#35

Dibromofluoromethane

Concen: 52.027 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY021718.D

Acq: 31 Mar 2025 14:38

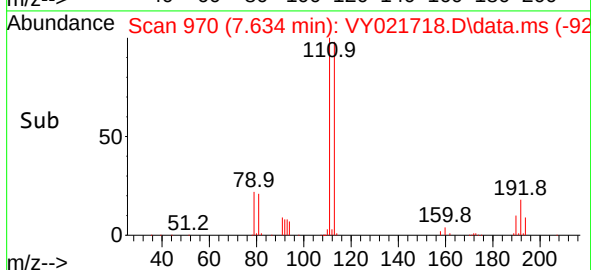
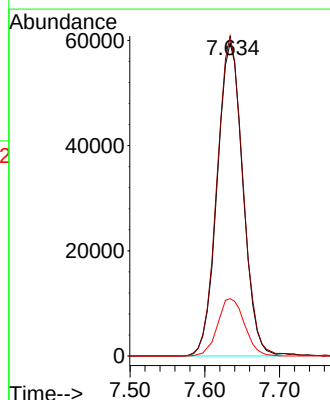
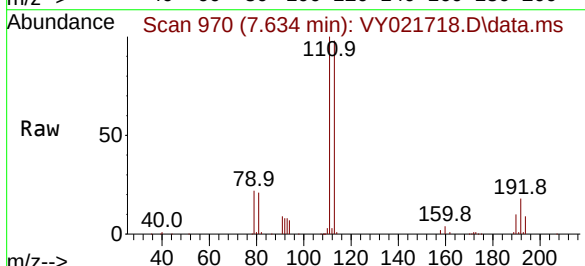
Tgt Ion:113 Resp: 142437

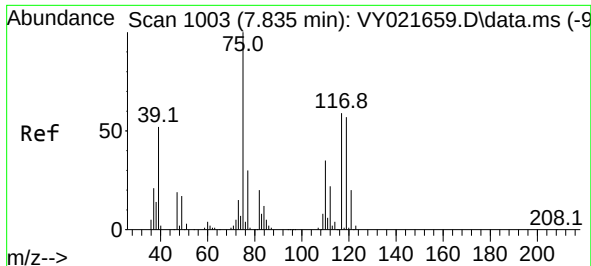
Ion Ratio Lower Upper

113 100

111 103.0 82.6 123.8

192 19.1 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.417 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY021718.D

Acq: 31 Mar 2025 14:38

Instrument :

MSVOA_Y

ClientSampleId :

P1

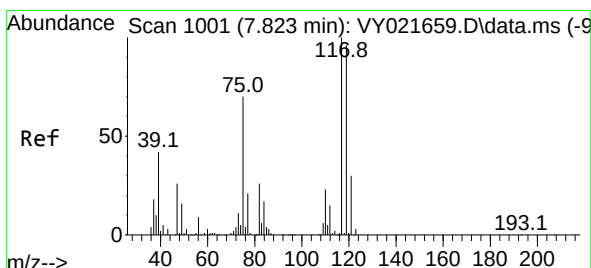
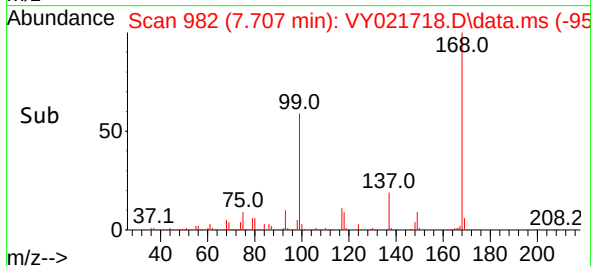
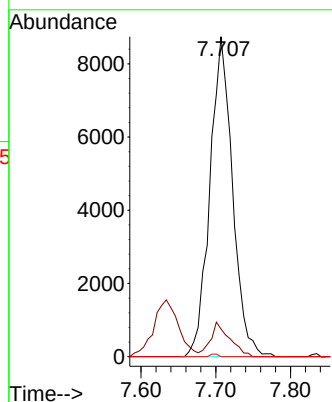
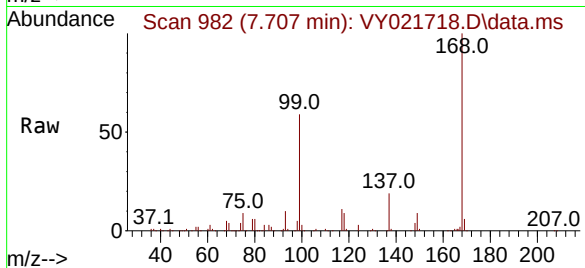
Tgt Ion: 75 Resp: 18420

Ion Ratio Lower Upper

75 100

110 9.2 17.0 50.9#

77 0.3 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 4.933 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY021718.D

Acq: 31 Mar 2025 14:38

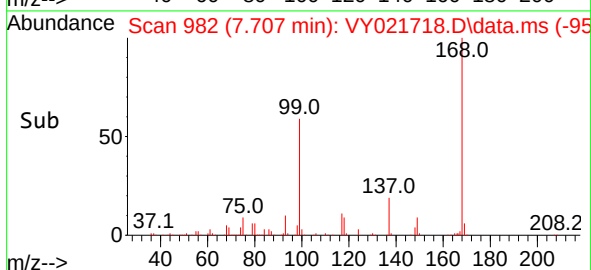
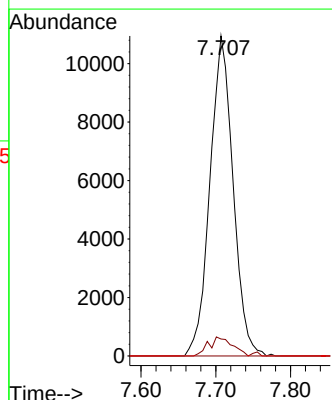
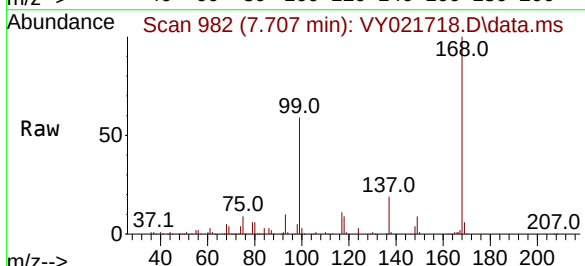
Tgt Ion: 117 Resp: 23559

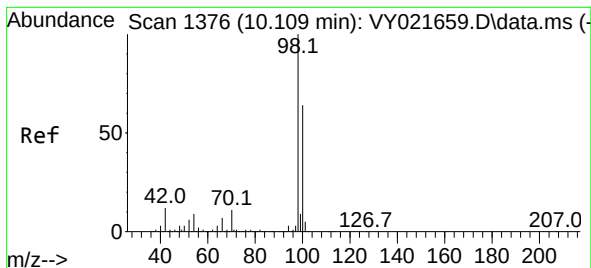
Ion Ratio Lower Upper

117 100

119 5.3 76.2 114.4#

121 0.0 24.2 36.4#

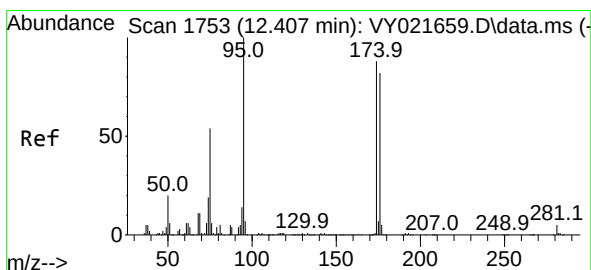
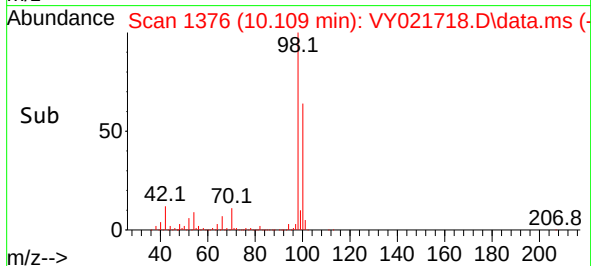
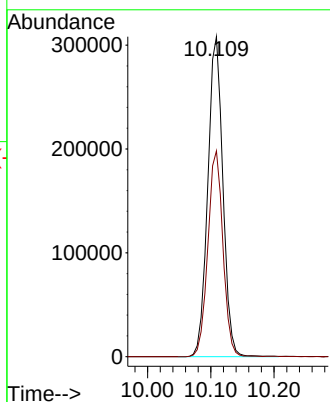
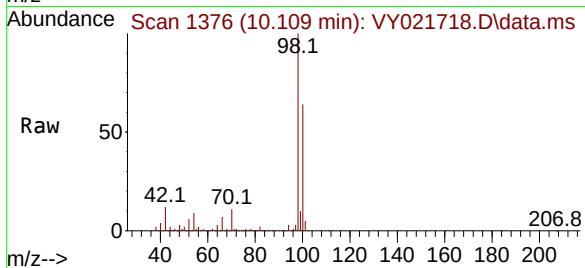




#50
Toluene-d8
Concen: 49.029 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021718.D
Acq: 31 Mar 2025 14:38

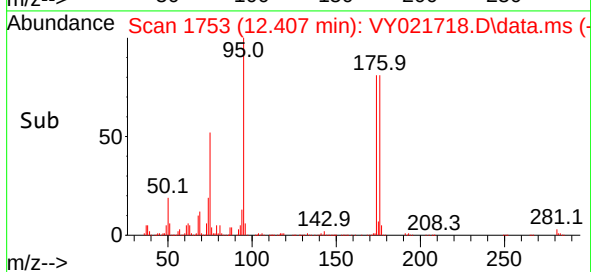
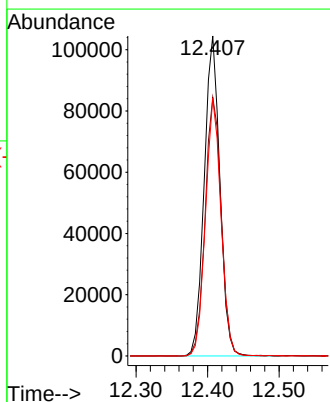
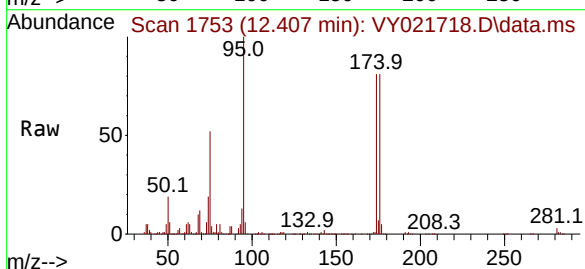
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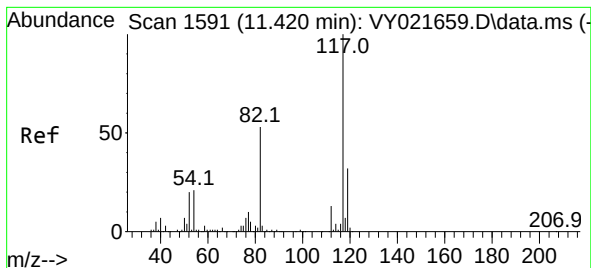
Tgt Ion: 98 Resp: 510650
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 45.039 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021718.D
Acq: 31 Mar 2025 14:38

Tgt Ion: 95 Resp: 158668
Ion Ratio Lower Upper
95 100
174 83.3 0.0 170.8
176 79.6 0.0 162.0

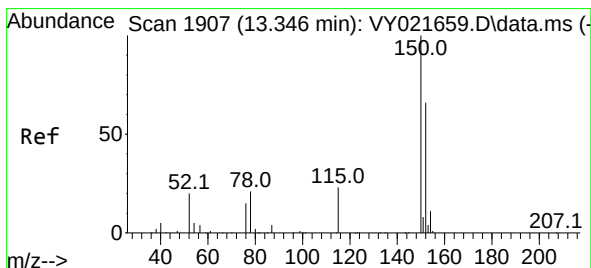
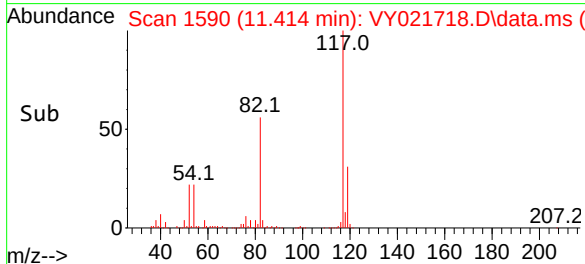
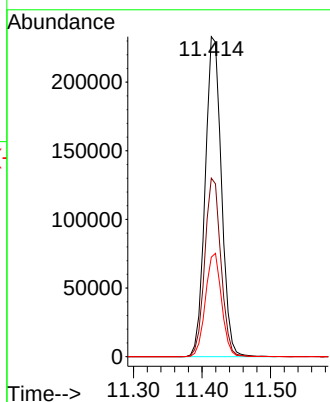
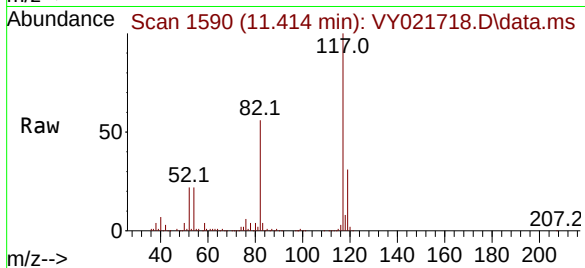




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021718.D
Acq: 31 Mar 2025 14:38

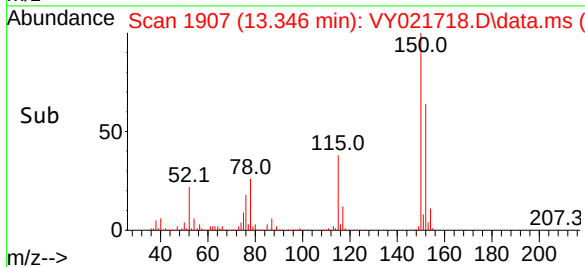
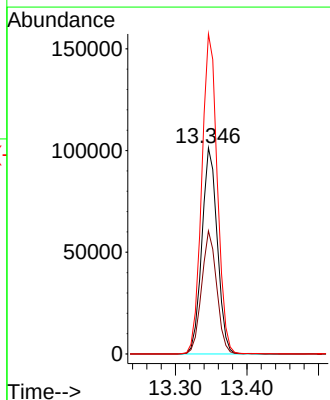
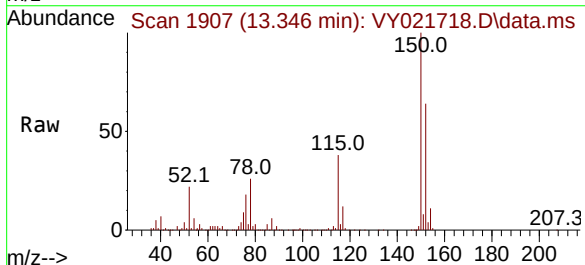
Instrument :
MSVOA_Y
ClientSampleId :
P1

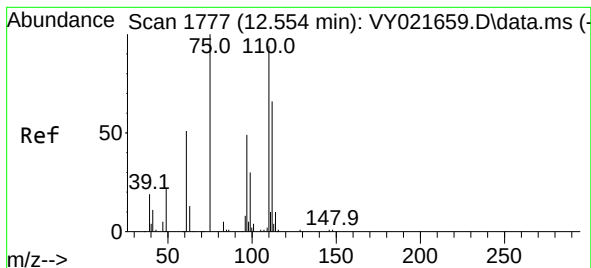
Tgt Ion:117 Resp: 384322
Ion Ratio Lower Upper
117 100
82 55.8 42.8 64.2
119 31.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021718.D
Acq: 31 Mar 2025 14:38

Tgt Ion:152 Resp: 151796
Ion Ratio Lower Upper
152 100
115 58.4 28.8 86.5
150 156.6 0.0 348.4

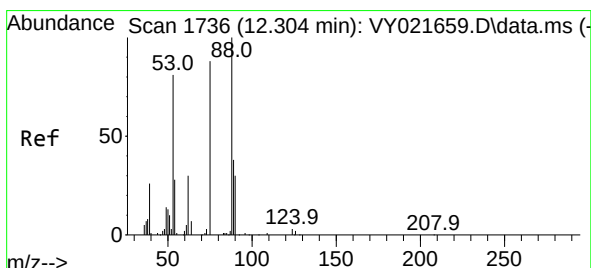
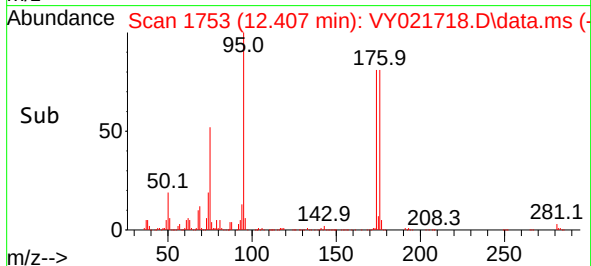
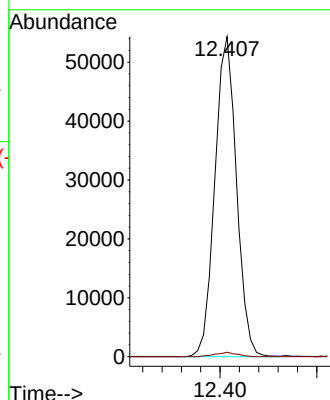
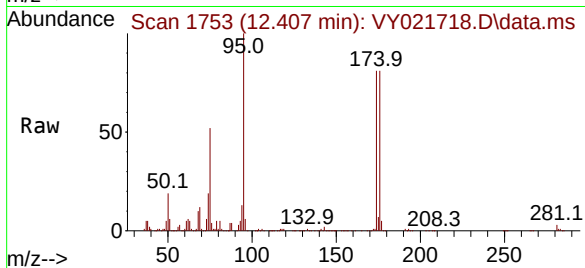




#76
1,2,3-Trichloropropane
Concen: 55.955 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.147 min
Lab File: VY021718.D
Acq: 31 Mar 2025 14:38

Instrument :
MSVOA_Y
ClientSampleId :
P1

Tgt Ion: 75 Resp: 84195
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.930 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.103 min
Lab File: VY021718.D
Acq: 31 Mar 2025 14:38

Tgt Ion: 75 Resp: 84195
Ion Ratio Lower Upper
75 100
53 0.2 76.1 114.1#
89 0.1 36.2 54.4#

