

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
 Data File : VY023031.D
 Acq On : 21 Jul 2025 16:57
 Operator : SY/MD
 Sample : Q2651-02
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH 6-5

Quant Time: Jul 22 04:54:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:50:49 2025
 Response via : Initial Calibration

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

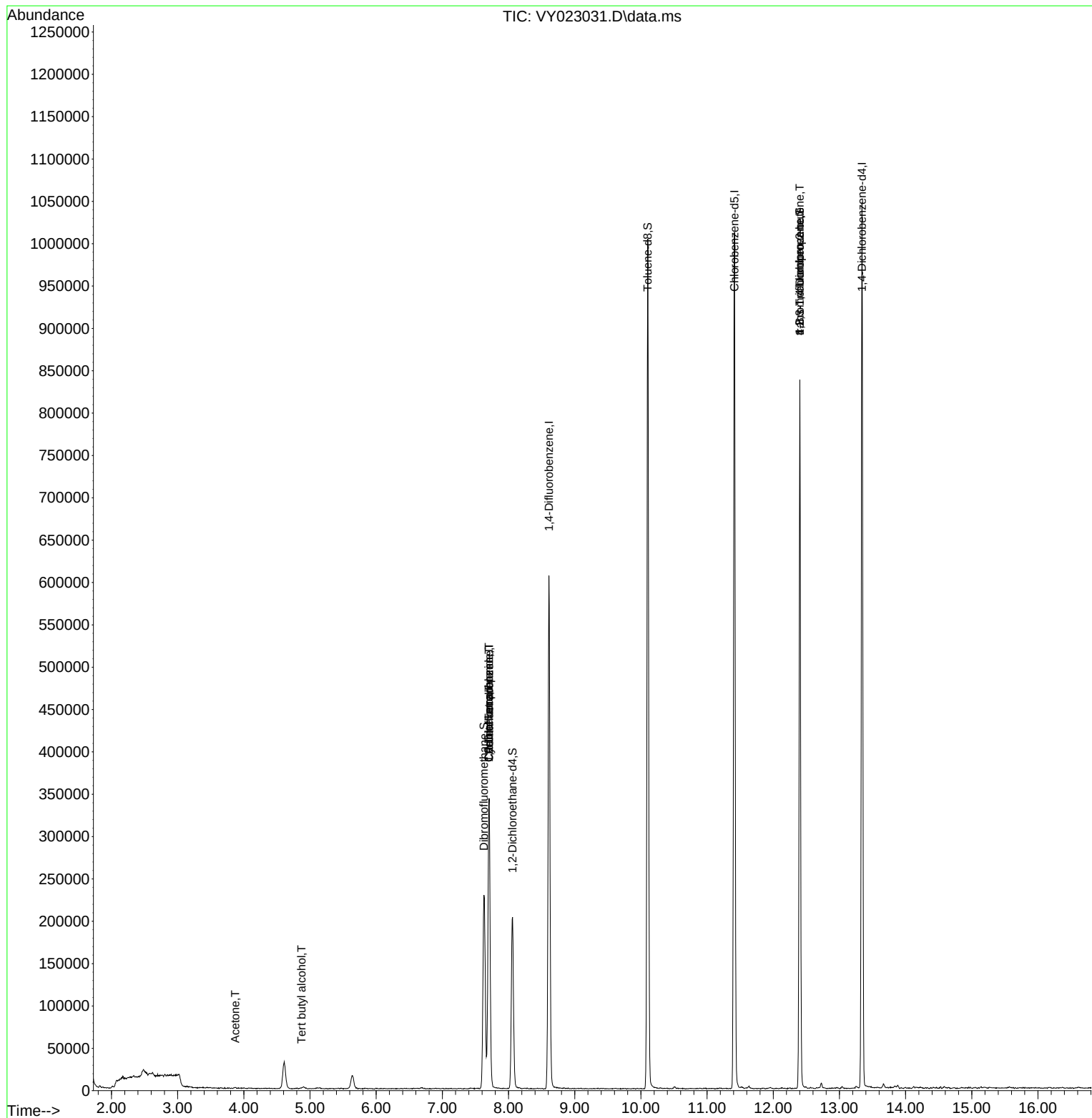
Internal Standards						
1) Pentafluorobenzene	7.707	168	256199	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	497619	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	524826	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	251674	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	164285	63.343	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.680%	
35) Dibromofluoromethane	7.628	113	165849	52.541	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.080%	
50) Toluene-d8	10.103	98	629720	50.306	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.620%	
62) 4-Bromofluorobenzene	12.401	95	234204	59.437	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 118.880%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.872	59	159	1.014	ug/l #	73
16) Acetone	3.872	43	1323	2.814	ug/l	93
20) Methylene Chloride	4.610	84	23051	Below Cal		93
31) Cyclohexane	7.701	56	6397	1.239	ug/l #	13
36) 1,1-Dichloropropene	7.701	75	22100	4.445	ug/l #	50
38) Carbon Tetrachloride	7.701	117	25823	4.780	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	131610	41.967	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	131610	124.996	ug/l #	12

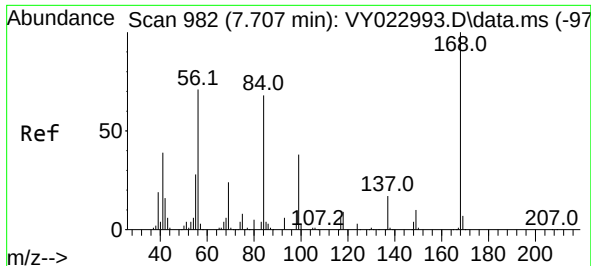
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023031.D
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Operator : SY/MD
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Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
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Quant Time: Jul 22 04:54:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration

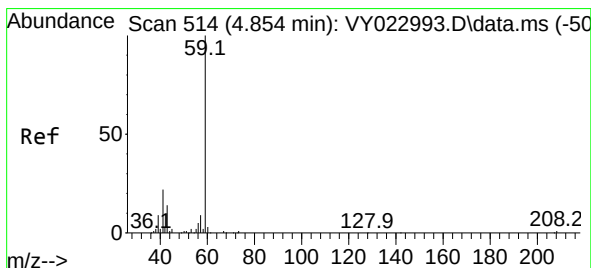
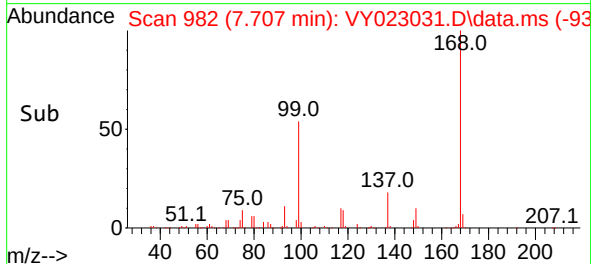
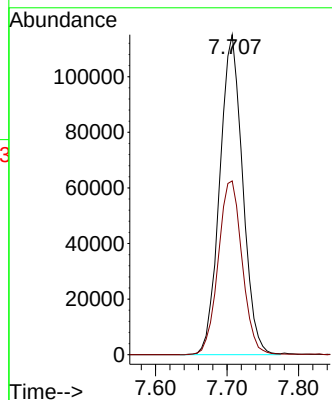
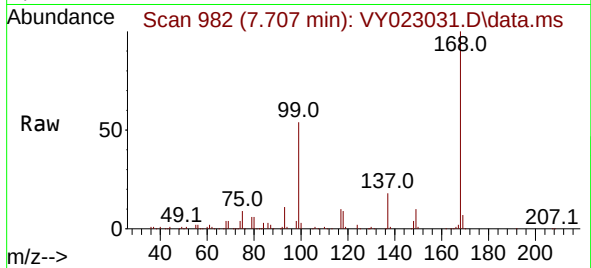




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023031.D
Acq: 21 Jul 2025 16:57

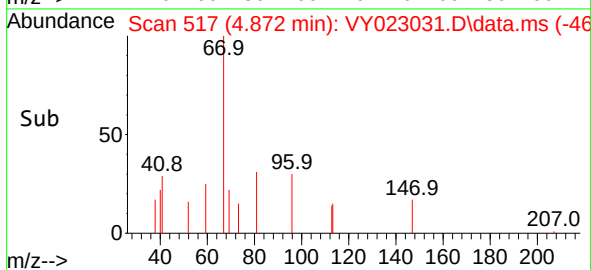
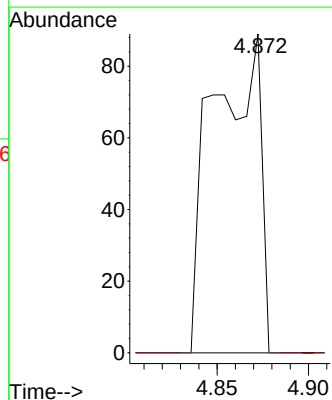
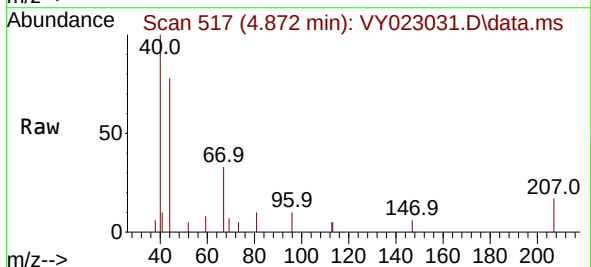
Instrument :
MSVOA_Y
ClientSampleId :
MH 6-5

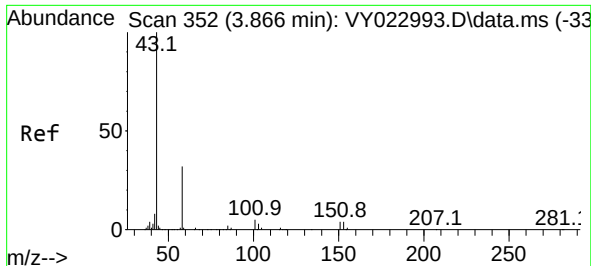
Tgt Ion:168 Resp: 256199
Ion Ratio Lower Upper
168 100
99 54.3 44.4 66.6



#11
Tert butyl alcohol
Concen: 1.014 ug/l
RT: 4.872 min Scan# 517
Delta R.T. 0.018 min
Lab File: VY023031.D
Acq: 21 Jul 2025 16:57

Tgt Ion: 59 Resp: 159
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

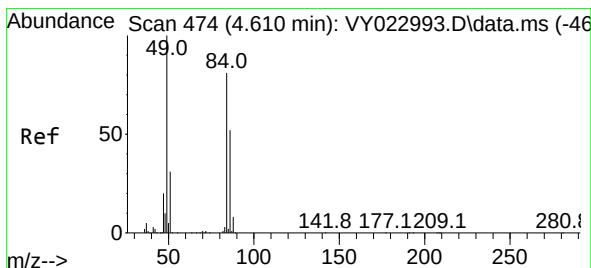
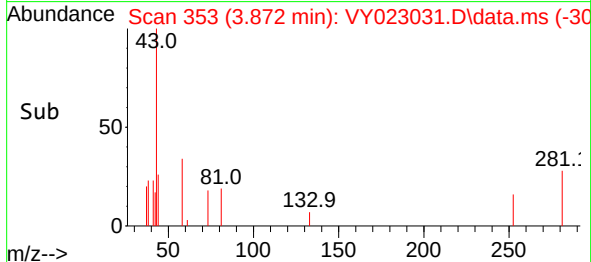
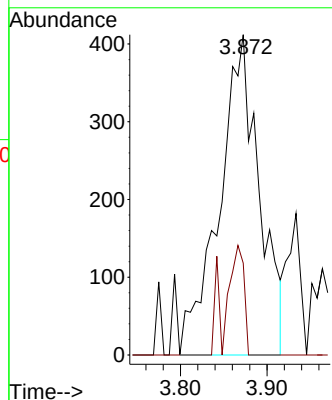
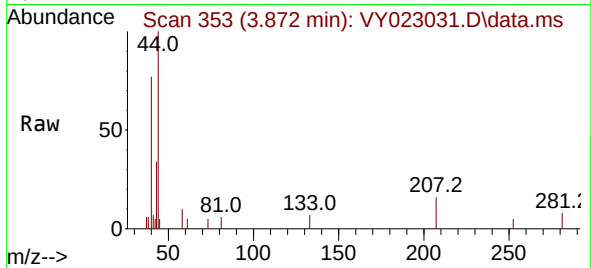




#16
Acetone
Concen: 2.814 ug/l
RT: 3.872 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY023031.D
Acq: 21 Jul 2025 16:57

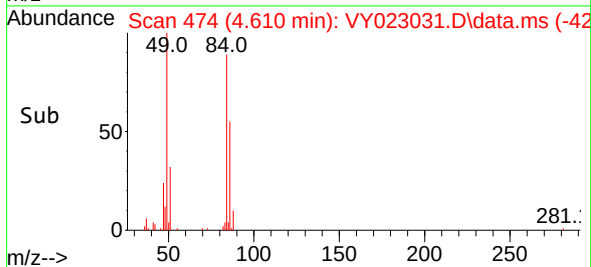
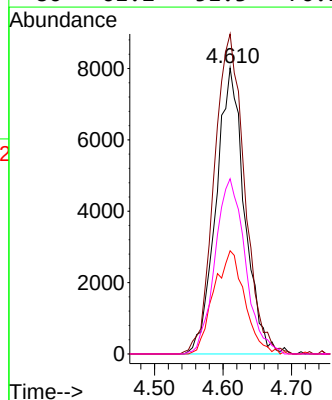
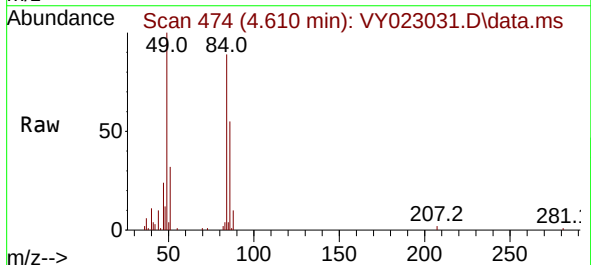
Instrument :
MSVOA_Y
ClientSampleId :
MH 6-5

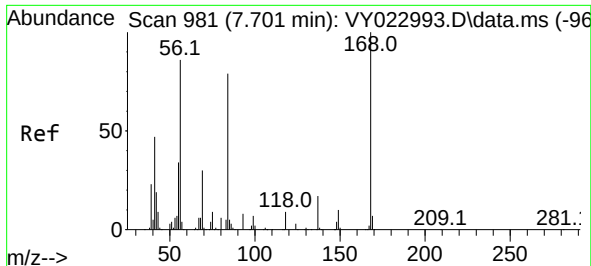
Tgt Ion: 43 Resp: 1323
Ion Ratio Lower Upper
43 100
58 28.6 26.2 39.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY023031.D
Acq: 21 Jul 2025 16:57

Tgt Ion: 84 Resp: 23051
Ion Ratio Lower Upper
84 100
49 111.8 98.2 147.4
51 36.1 30.5 45.7
86 61.2 51.3 76.9

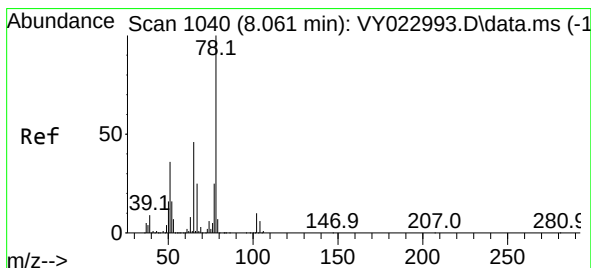
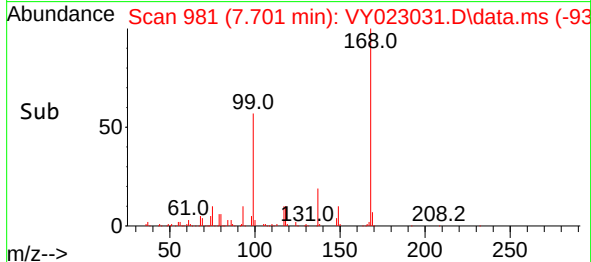
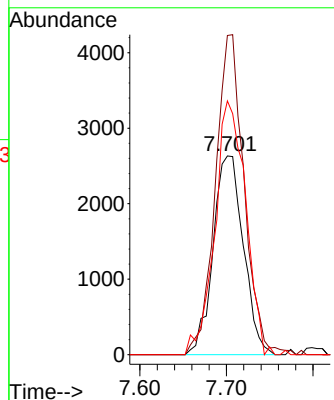
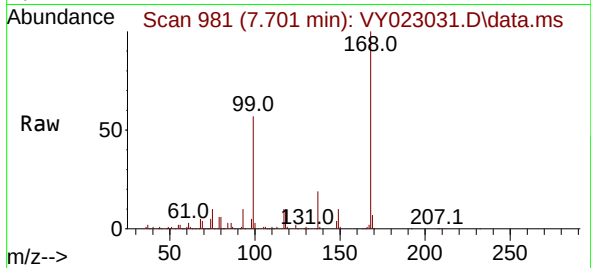




#31
Cyclohexane
Concen: 1.239 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY023031.D
Acq: 21 Jul 2025 16:57

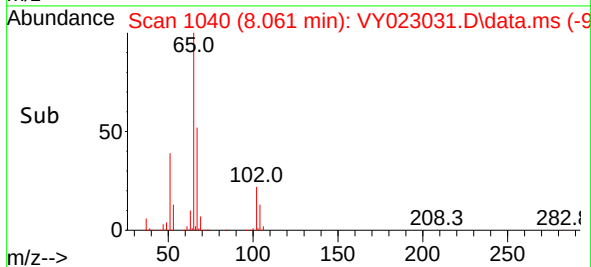
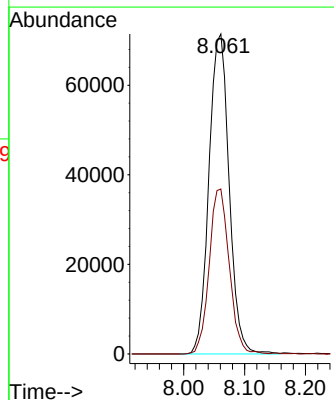
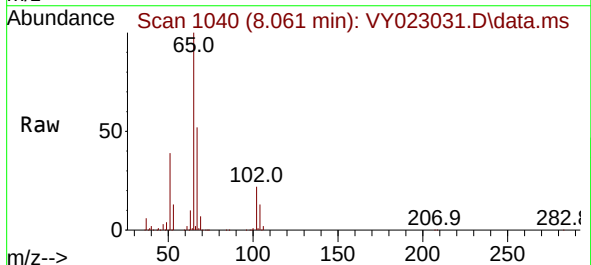
Instrument :
MSVOA_Y
ClientSampleId :
MH 6-5

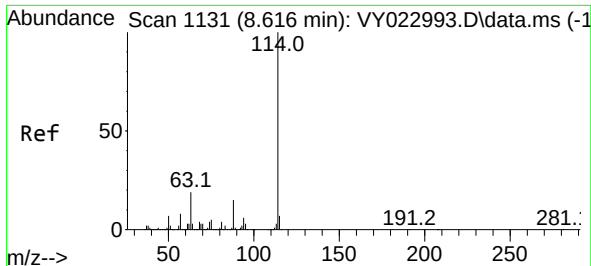
Tgt Ion: 56 Resp: 6397
Ion Ratio Lower Upper
56 100
69 160.6 28.1 42.1#
84 127.7 73.5 110.3#



#33
1,2-Dichloroethane-d4
Concen: 63.343 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023031.D
Acq: 21 Jul 2025 16:57

Tgt Ion: 65 Resp: 164285
Ion Ratio Lower Upper
65 100
67 51.3 0.0 107.4

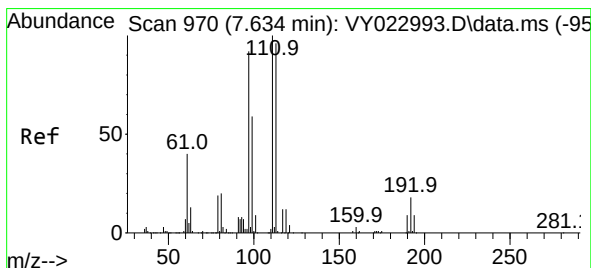
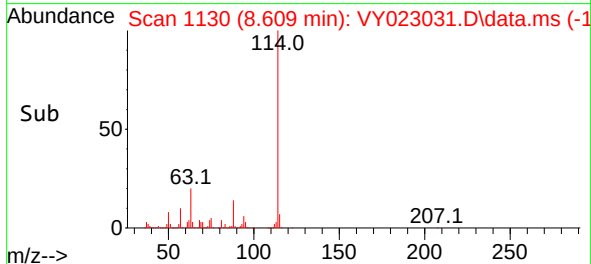
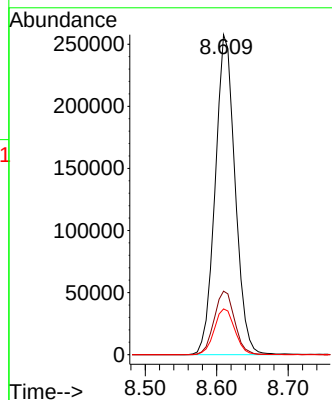
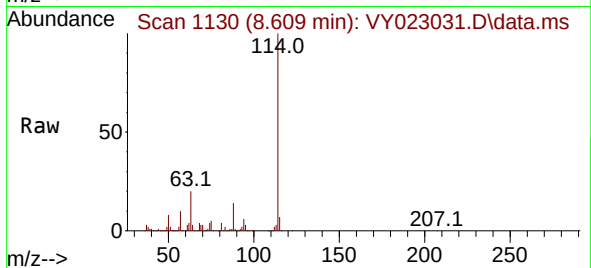




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY023031.D
Acq: 21 Jul 2025 16:57

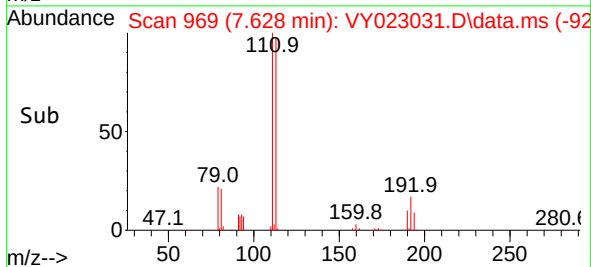
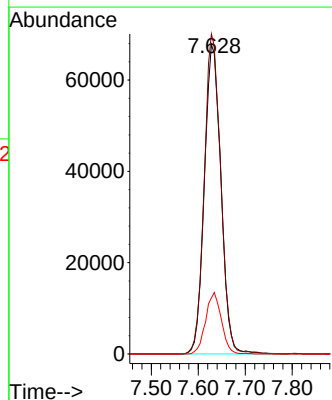
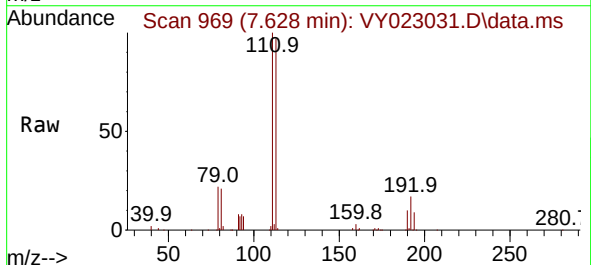
Instrument :
MSVOA_Y
ClientSampleId :
MH 6-5

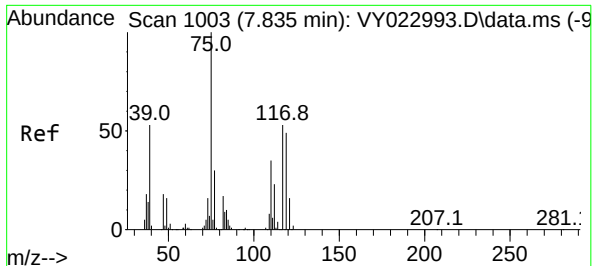
Tgt Ion:114 Resp: 497619
Ion Ratio Lower Upper
114 100
63 19.8 0.0 38.8
88 14.3 0.0 30.2



#35
Dibromofluoromethane
Concen: 52.541 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY023031.D
Acq: 21 Jul 2025 16:57

Tgt Ion:113 Resp: 165849
Ion Ratio Lower Upper
113 100
111 102.9 83.2 124.8
192 18.9 15.3 22.9





#36

1,1-Dichloropropene

Concen: 4.445 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.134 min

Lab File: VY023031.D

Acq: 21 Jul 2025 16:57

Instrument :

MSVOA_Y

ClientSampleId :

MH 6-5

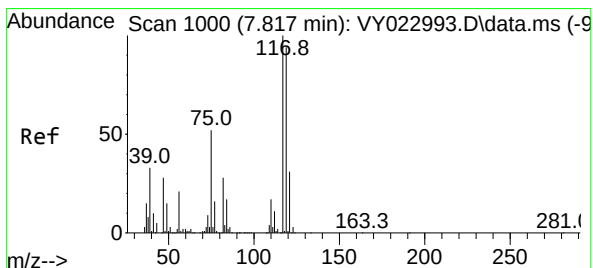
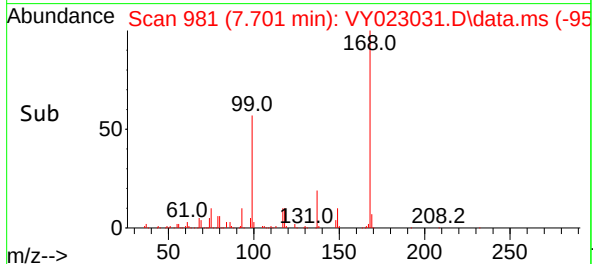
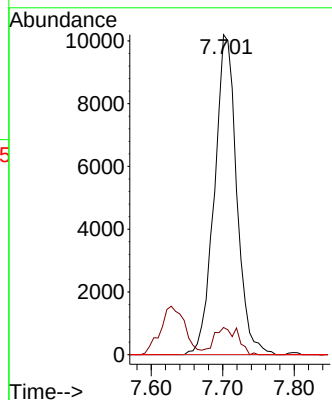
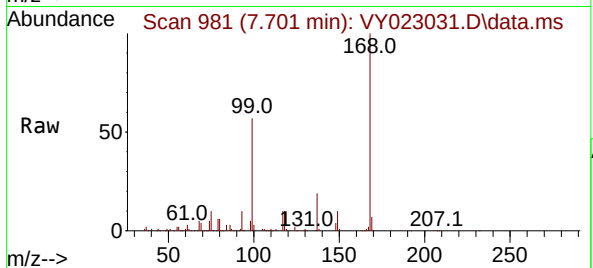
Tgt Ion: 75 Resp: 22100

Ion Ratio Lower Upper

75 100

110 9.2 17.3 51.9#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 4.780 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.116 min

Lab File: VY023031.D

Acq: 21 Jul 2025 16:57

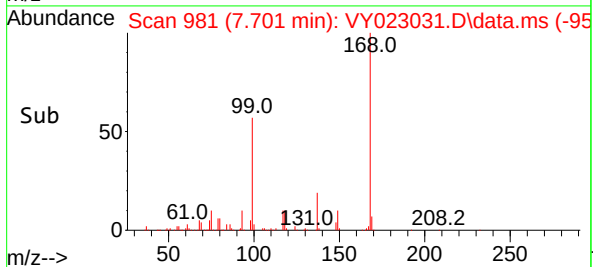
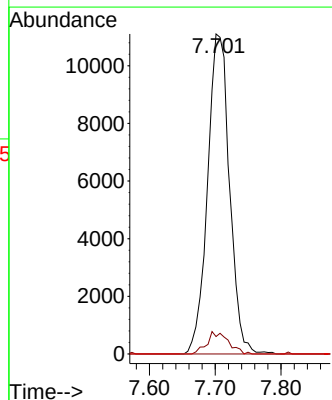
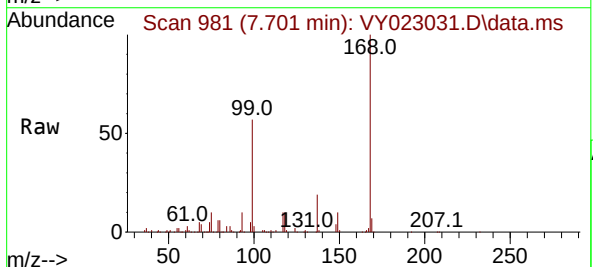
Tgt Ion: 117 Resp: 25823

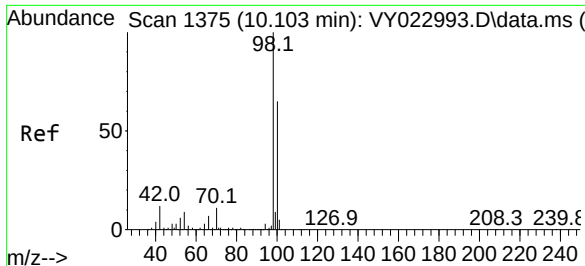
Ion Ratio Lower Upper

117 100

119 5.5 74.9 112.3#

121 0.0 24.6 37.0#

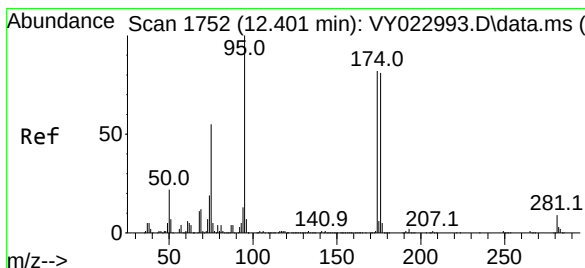
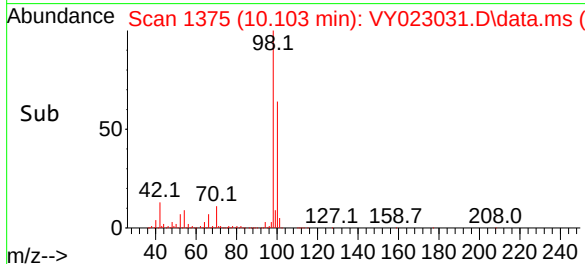
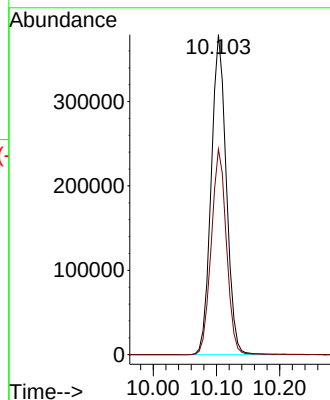
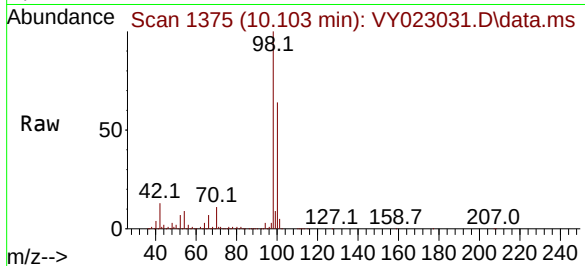




#50
Toluene-d8
Concen: 50.306 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023031.D
Acq: 21 Jul 2025 16:57

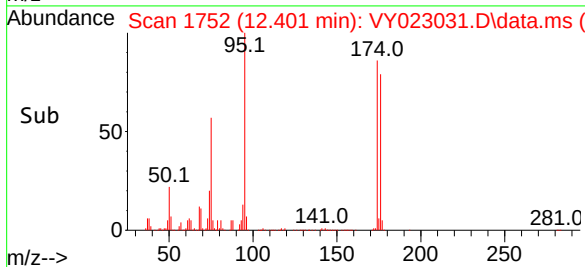
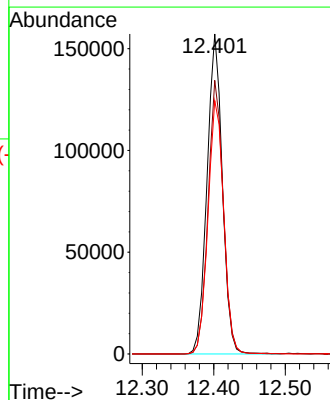
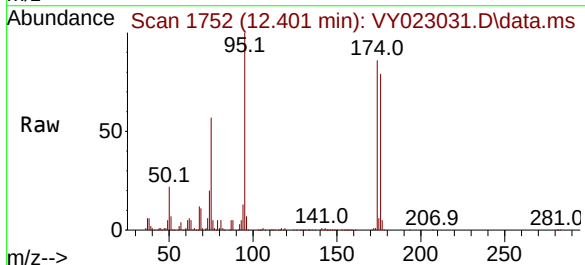
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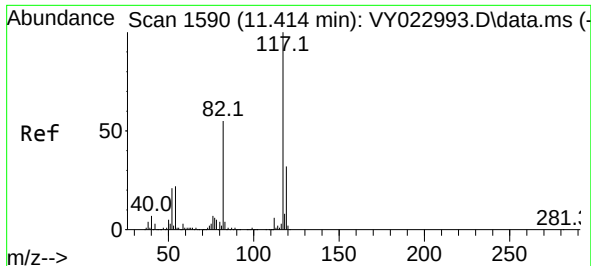
Tgt Ion: 98 Resp: 629720
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 59.437 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023031.D
Acq: 21 Jul 2025 16:57

Tgt Ion: 95 Resp: 234204
Ion Ratio Lower Upper
95 100
174 84.7 0.0 170.8
176 81.4 0.0 163.6

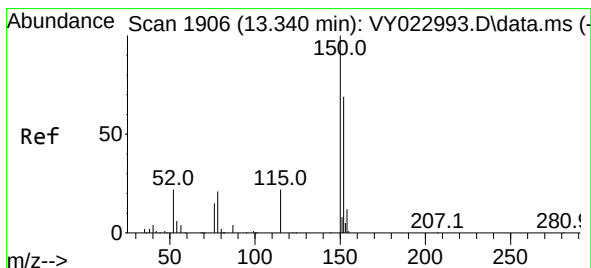
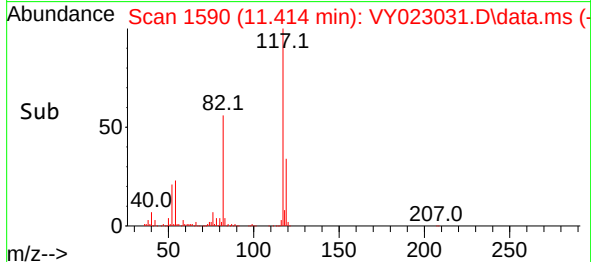
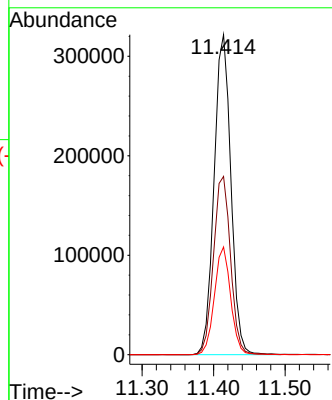
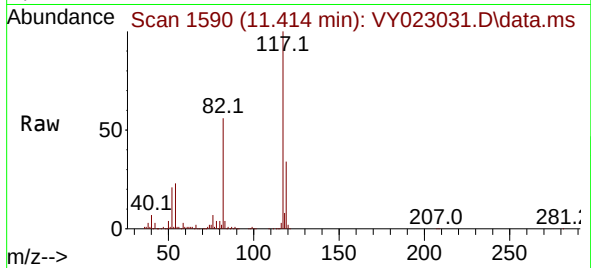




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY023031.D
Acq: 21 Jul 2025 16:57

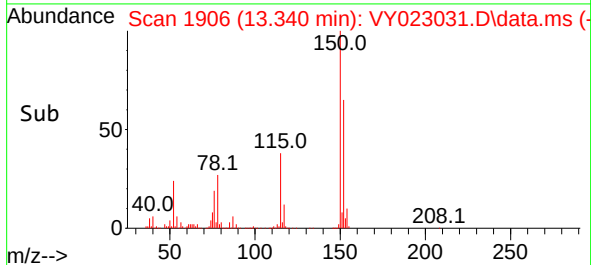
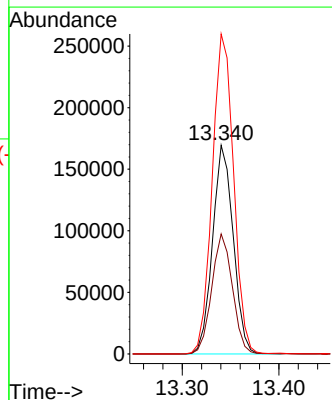
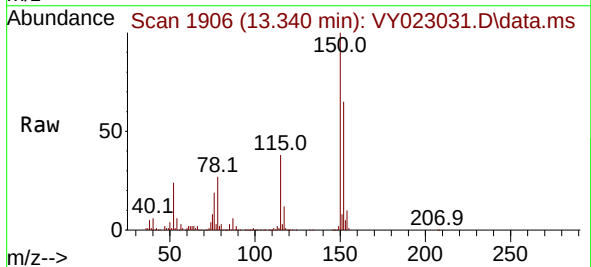
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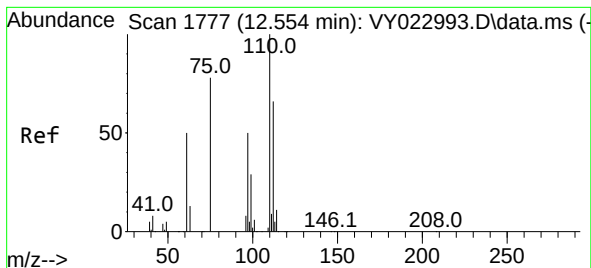
Tgt Ion:117 Resp: 524826
Ion Ratio Lower Upper
117 100
82 55.7 44.3 66.5
119 33.7 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.000 min
Lab File: VY023031.D
Acq: 21 Jul 2025 16:57

Tgt Ion:152 Resp: 251674
Ion Ratio Lower Upper
152 100
115 57.5 29.4 88.2
150 158.1 0.0 350.0

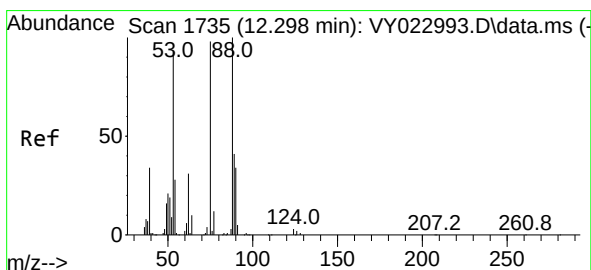
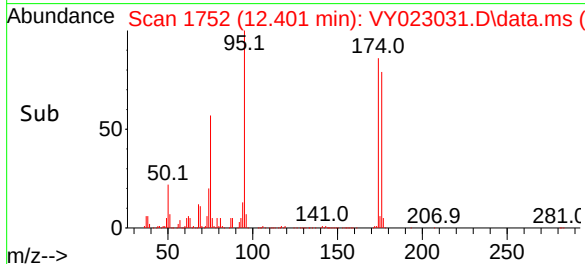
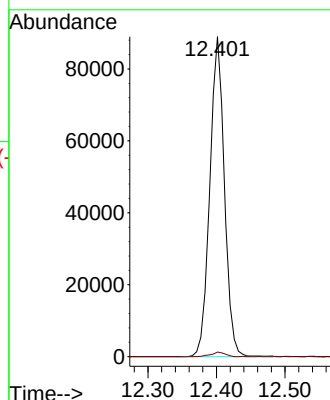
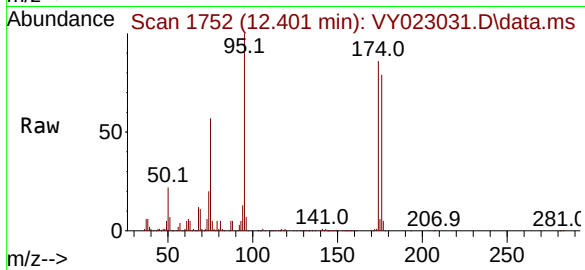




#76
1,2,3-Trichloropropane
Concen: 41.967 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY023031.D
Acq: 21 Jul 2025 16:57

Instrument :
MSVOA_Y
ClientSampleId :
MH 6-5

Tgt Ion: 75 Resp: 131610
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 124.996 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023031.D
Acq: 21 Jul 2025 16:57

Tgt Ion: 75 Resp: 131610
Ion Ratio Lower Upper
75 100
53 0.3 76.1 114.1#
89 0.0 36.1 54.1#

