

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
 Data File : VY022469.D
 Acq On : 29 May 2025 15:56
 Operator : SY/MD
 Sample : Q2150-10
 Misc : 7.78g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-53

Quant Time: May 30 05:36:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

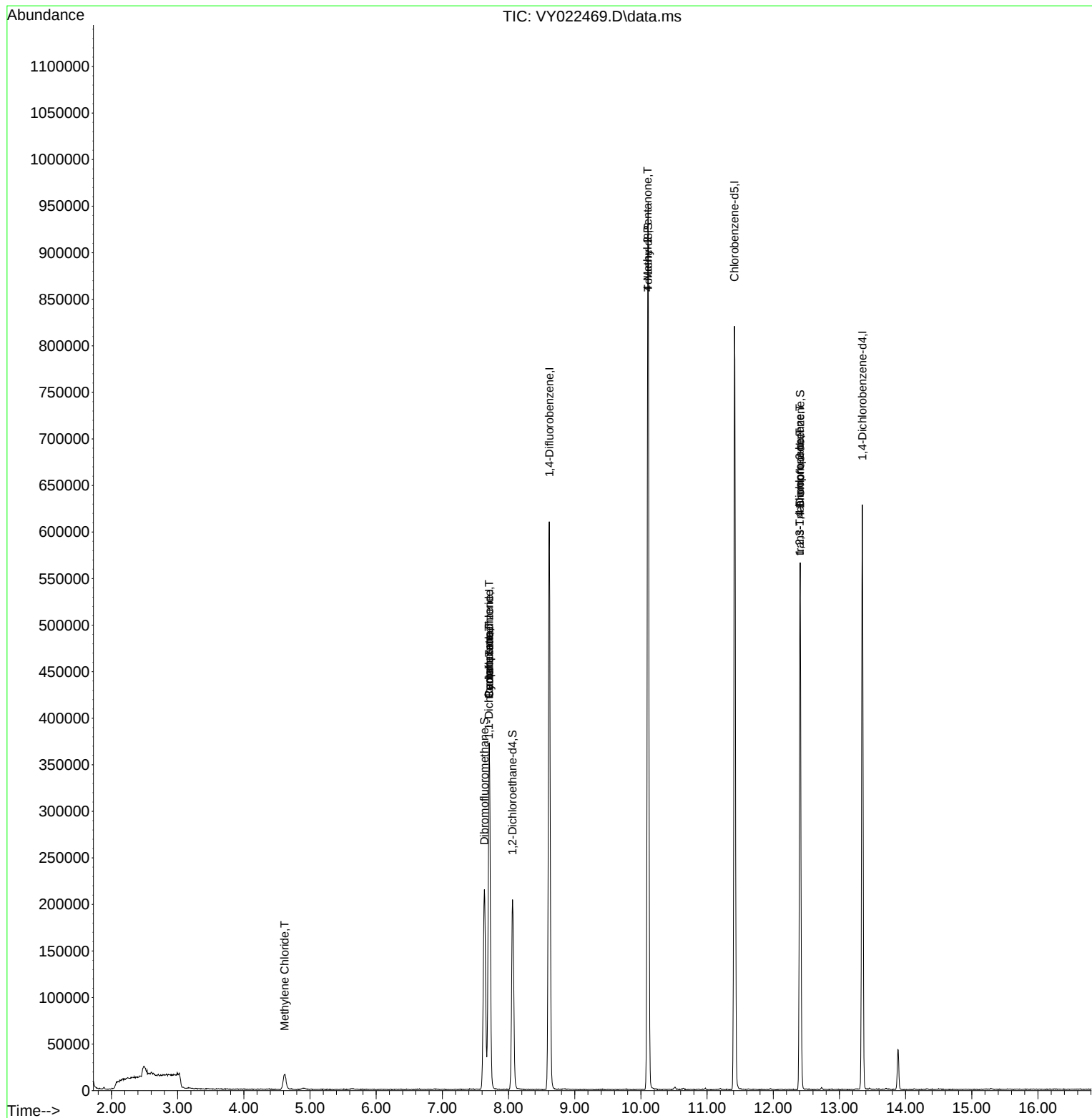
Internal Standards						
1) Pentafluorobenzene	7.707	168	273493	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	503324	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	399677	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	145373	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	151759	52.681	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.360%	
35) Dibromofluoromethane	7.634	113	150583	51.086	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.180%	
50) Toluene-d8	10.109	98	599966	49.930	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.860%	
62) 4-Bromofluorobenzene	12.408	95	151154	41.586	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 83.180%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.616	84	12212	3.653	ug/l #	82
31) Cyclohexane	7.707	56	7738	1.396	ug/l #	42
36) 1,1-Dichloropropene	7.701	75	23813	5.091	ug/l #	49
38) Carbon Tetrachloride	7.707	117	29565	6.068	ug/l #	15
51) 4-Methyl-2-Pentanone	10.103	43	3224	1.504	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	89768	61.648	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	89768	139.413	ug/l #	12

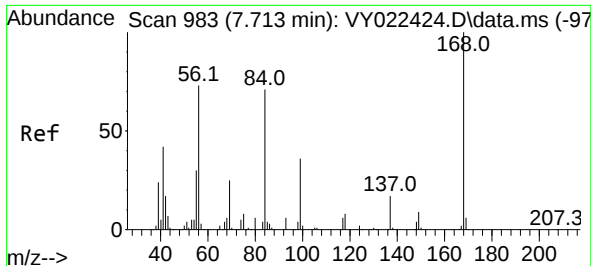
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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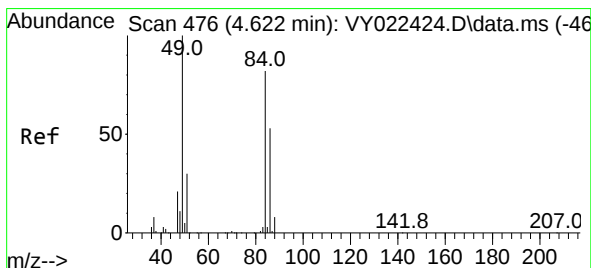
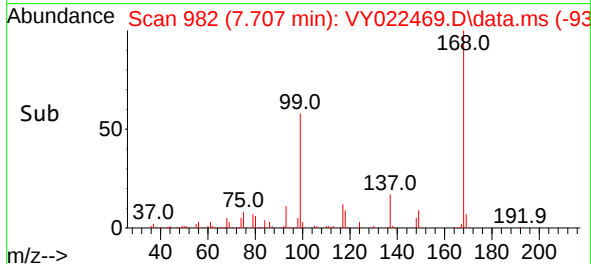
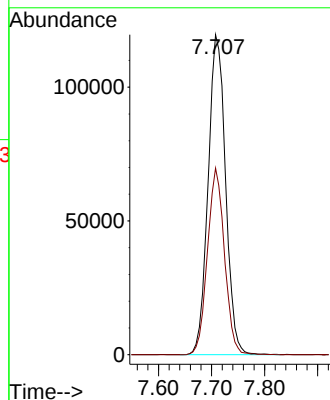
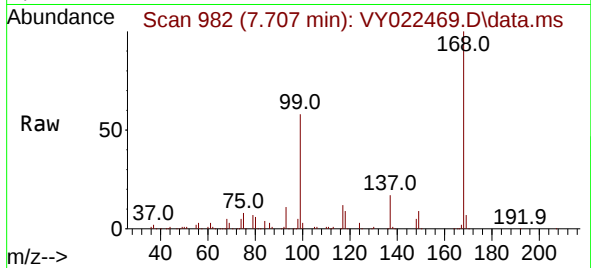




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022469.D
Acq: 29 May 2025 15:56

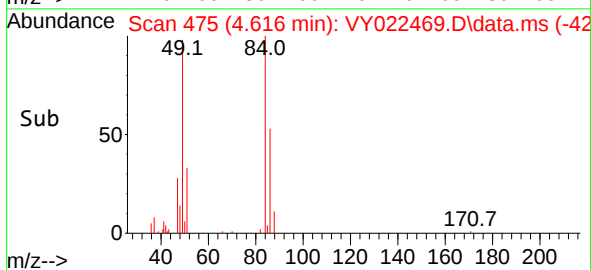
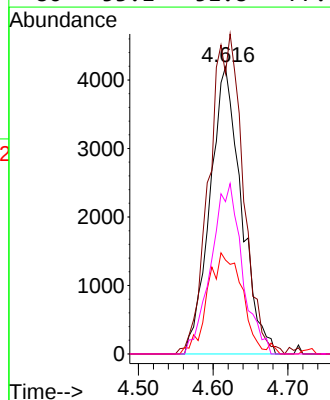
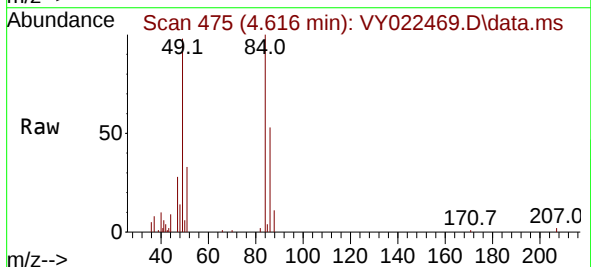
Instrument :
MSVOA_Y
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TP-53

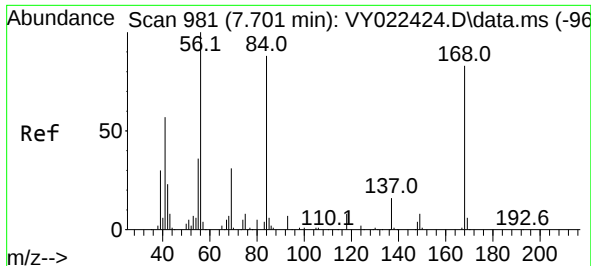
Tgt Ion:168 Resp: 273493
Ion Ratio Lower Upper
168 100
99 58.3 44.7 67.1



#20
Methylene Chloride
Concen: 3.653 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022469.D
Acq: 29 May 2025 15:56

Tgt Ion: 84 Resp: 12212
Ion Ratio Lower Upper
84 100
49 95.9 97.8 146.8#
51 32.8 29.5 44.3
86 53.1 51.8 77.6

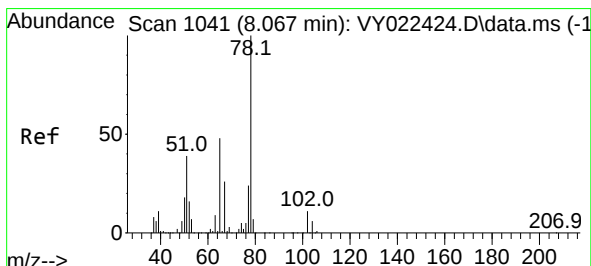
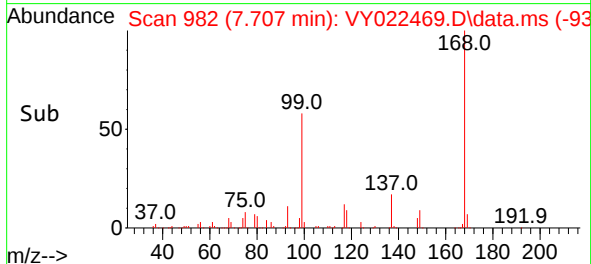
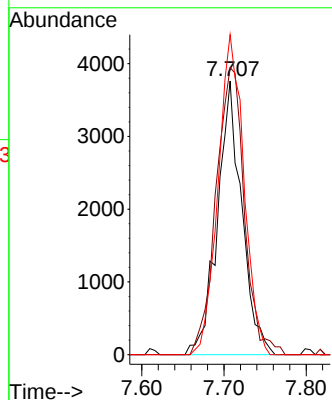
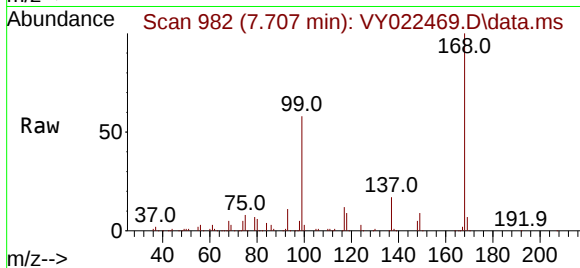




#31
Cyclohexane
Concen: 1.396 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022469.D
Acq: 29 May 2025 15:56

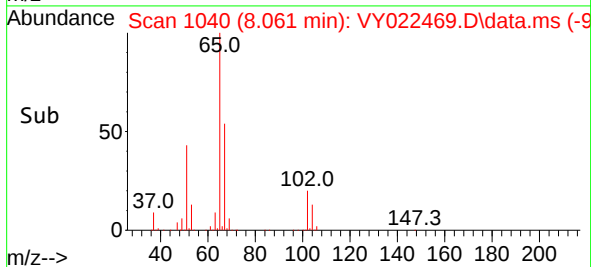
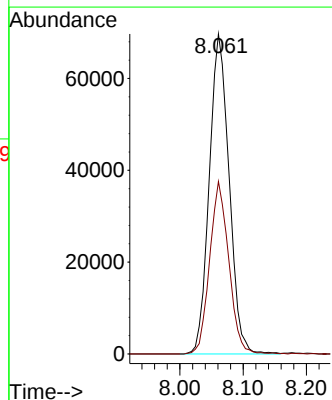
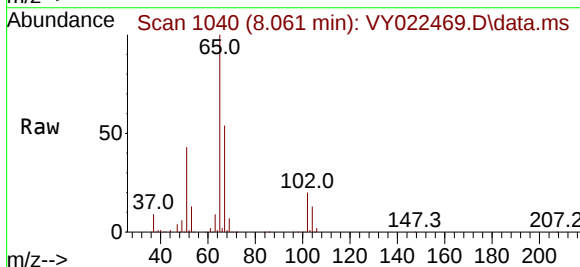
Instrument :
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ClientSampleId :
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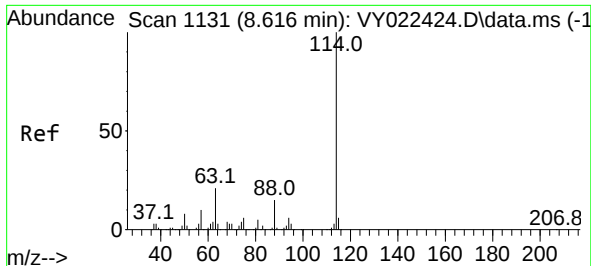
Tgt Ion: 56 Resp: 7738
Ion Ratio Lower Upper
56 100
69 104.9 24.6 36.8#
84 116.9 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 52.681 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022469.D
Acq: 29 May 2025 15:56

Tgt Ion: 65 Resp: 151759
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.4

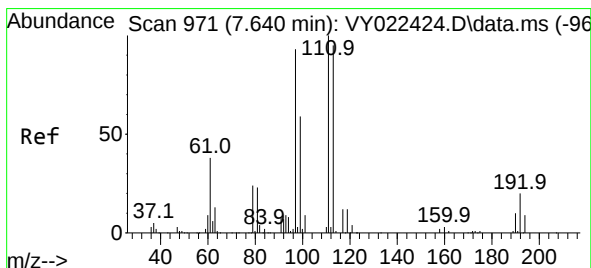
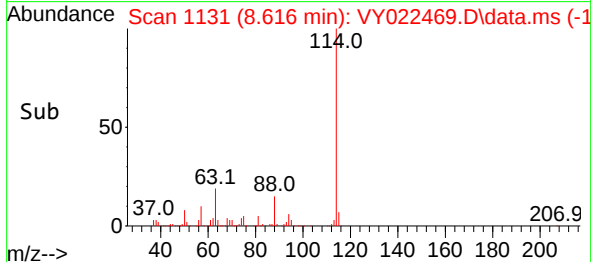
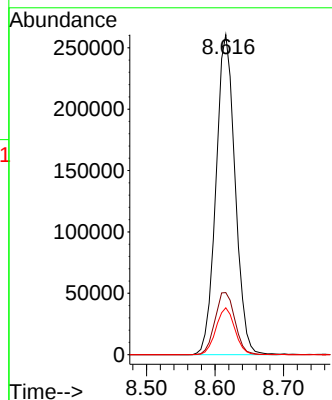
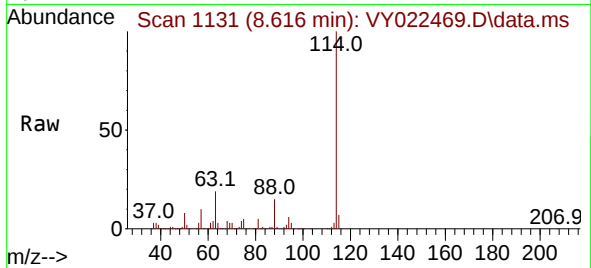




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022469.D
Acq: 29 May 2025 15:56

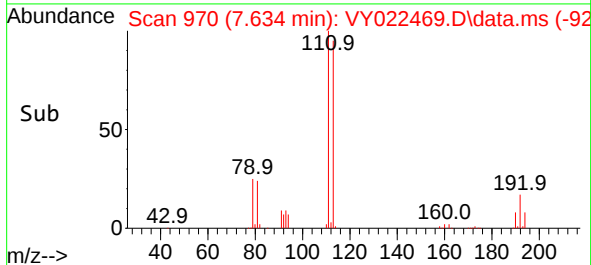
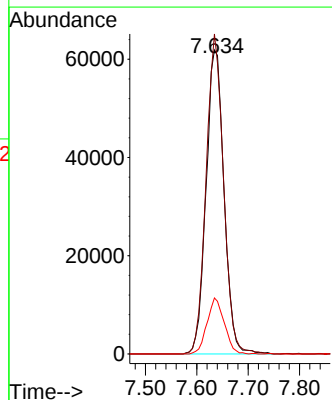
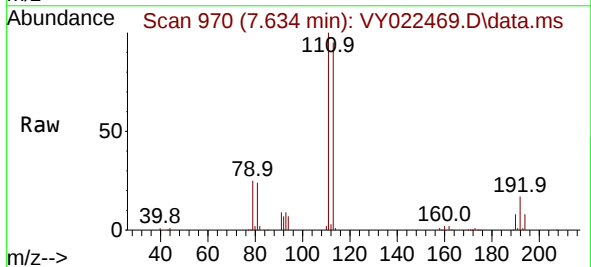
Instrument :
MSVOA_Y
ClientSampleId :
TP-53

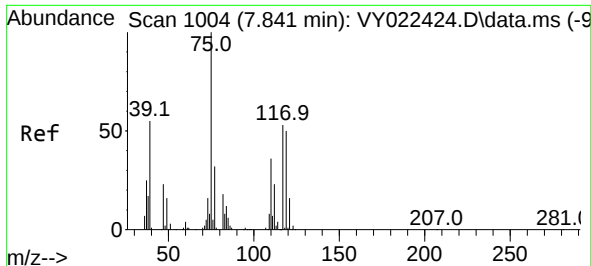
Tgt Ion:114 Resp: 503324
Ion Ratio Lower Upper
114 100
63 19.4 0.0 42.6
88 14.6 0.0 29.4



#35
Dibromofluoromethane
Concen: 51.086 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022469.D
Acq: 29 May 2025 15:56

Tgt Ion:113 Resp: 150583
Ion Ratio Lower Upper
113 100
111 102.2 82.4 123.6
192 17.6 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.091 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.140 min

Lab File: VY022469.D

Acq: 29 May 2025 15:56

Instrument :

MSVOA_Y

ClientSampleId :

TP-53

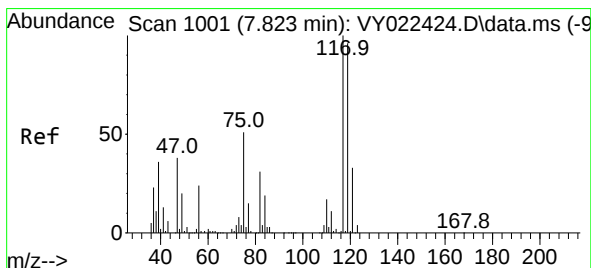
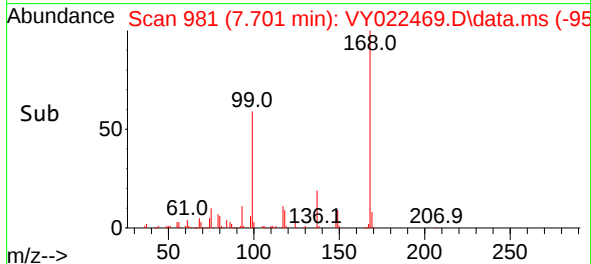
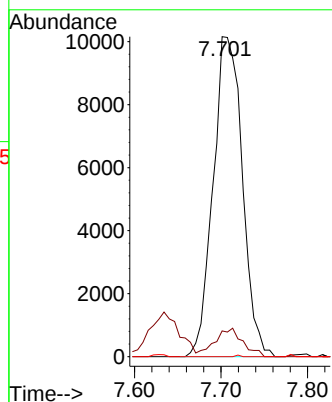
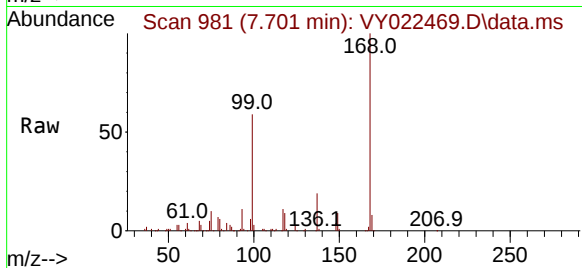
Tgt Ion: 75 Resp: 23813

Ion Ratio Lower Upper

75 100

110 8.2 17.1 51.2#

77 0.1 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.068 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY022469.D

Acq: 29 May 2025 15:56

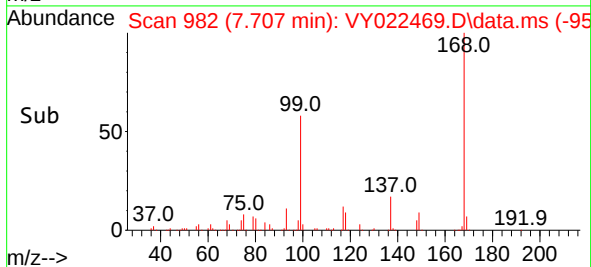
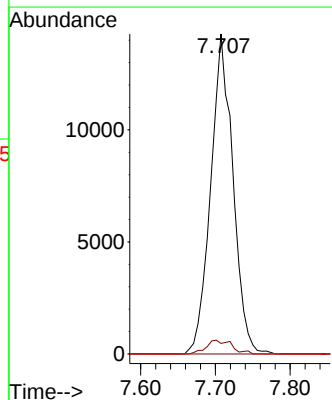
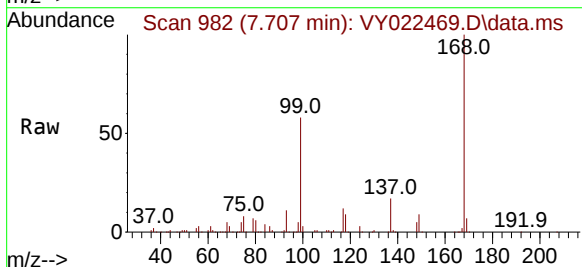
Tgt Ion: 117 Resp: 29565

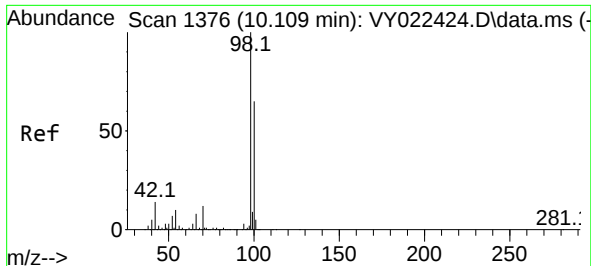
Ion Ratio Lower Upper

117 100

119 3.3 76.3 114.5#

121 0.0 26.1 39.1#

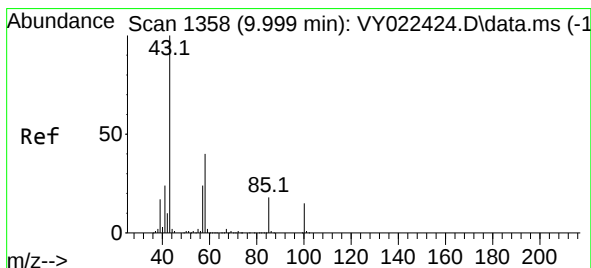
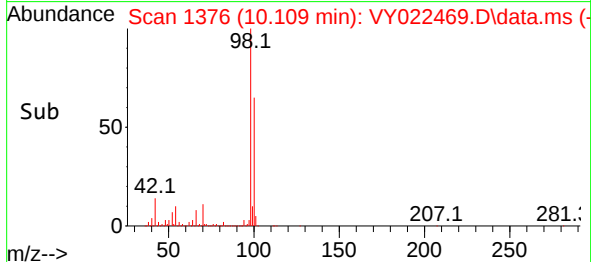
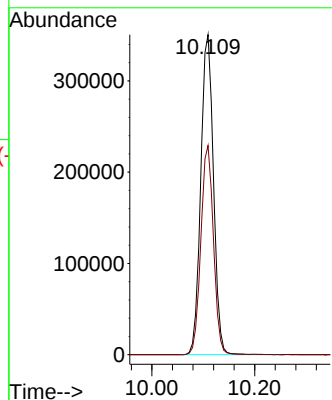
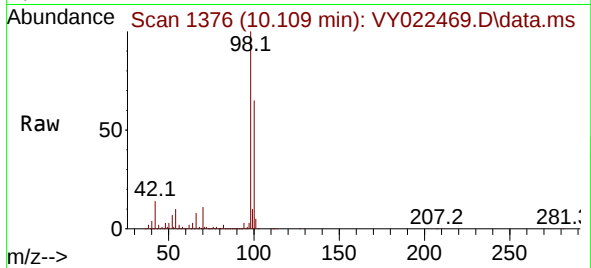




#50
Toluene-d8
Concen: 49.930 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022469.D
Acq: 29 May 2025 15:56

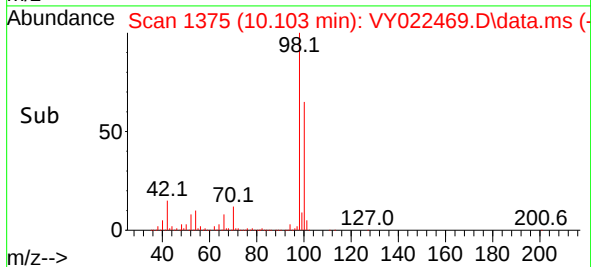
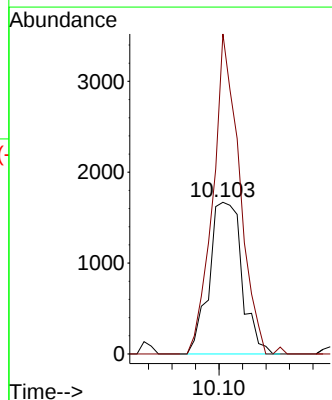
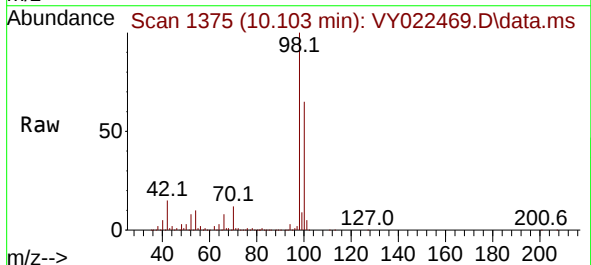
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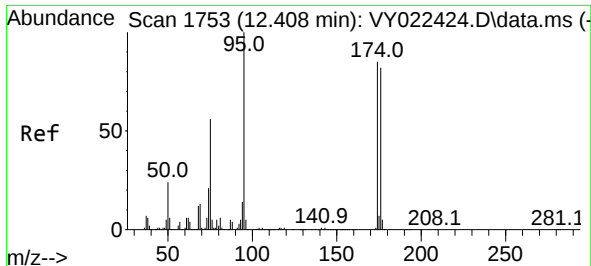
Tgt Ion: 98 Resp: 599966
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 1.504 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY022469.D
Acq: 29 May 2025 15:56

Tgt Ion: 43 Resp: 3224
Ion Ratio Lower Upper
43 100
58 171.2 31.2 46.8#

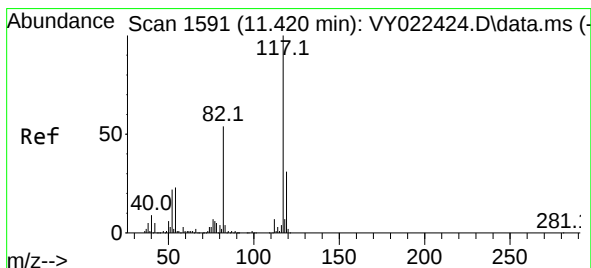
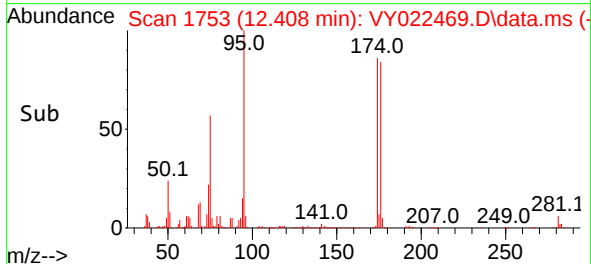
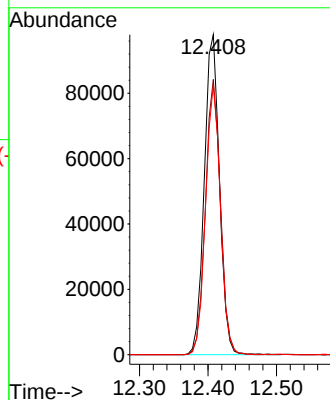
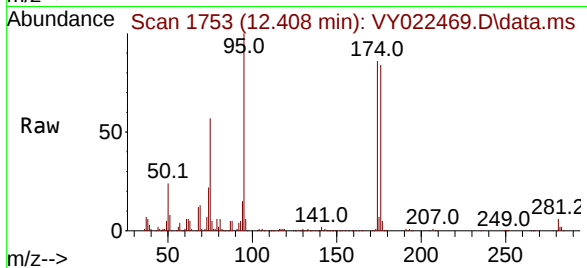




#62
4-Bromofluorobenzene
Concen: 41.586 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022469.D
Acq: 29 May 2025 15:56

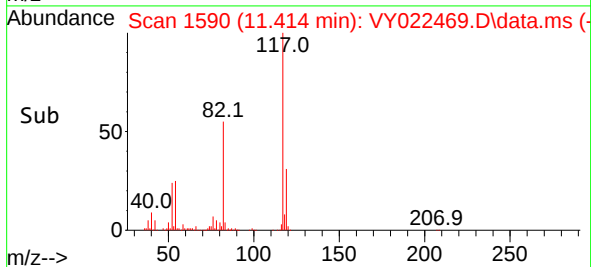
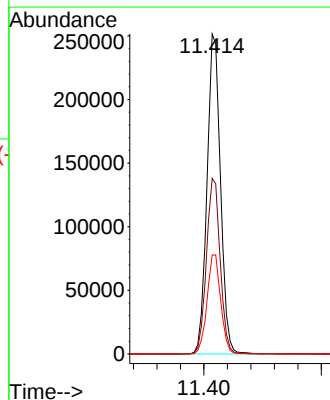
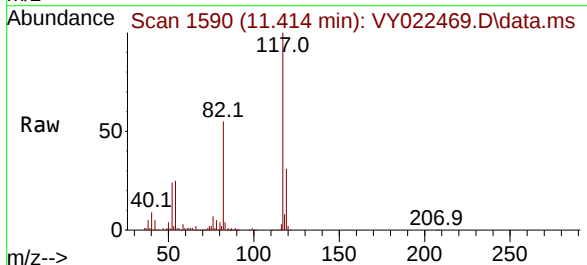
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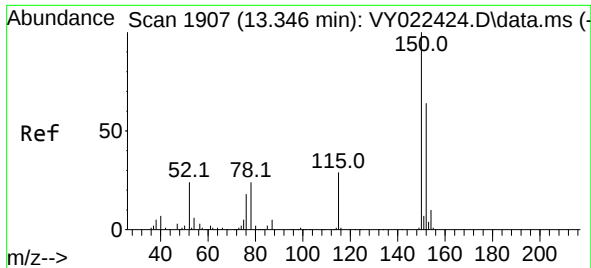
Tgt Ion: 95 Resp: 151154
Ion Ratio Lower Upper
95 100
174 85.2 0.0 171.6
176 82.6 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022469.D
Acq: 29 May 2025 15:56

Tgt Ion: 117 Resp: 399677
Ion Ratio Lower Upper
117 100
82 54.9 43.3 64.9
119 30.9 24.5 36.7

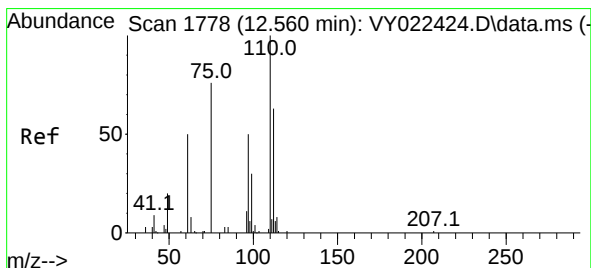
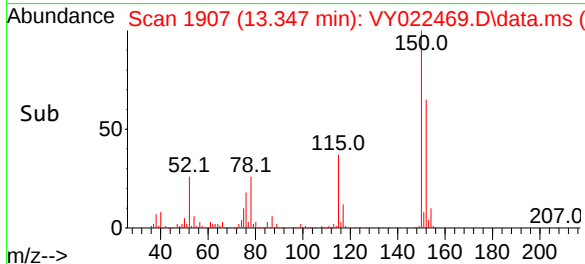
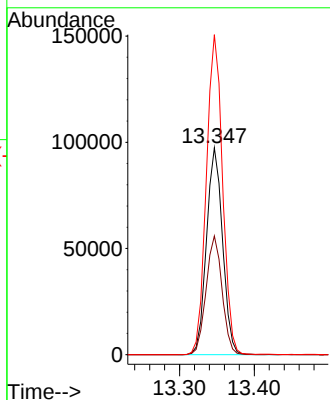
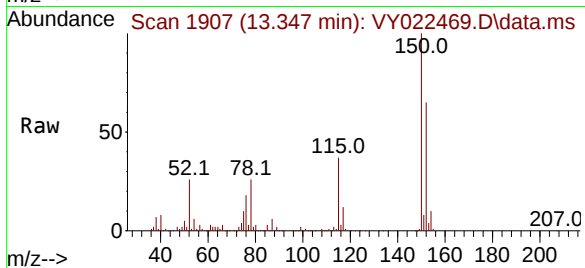




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY022469.D
 Acq: 29 May 2025 15:56

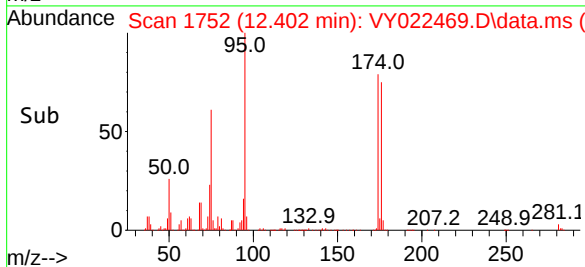
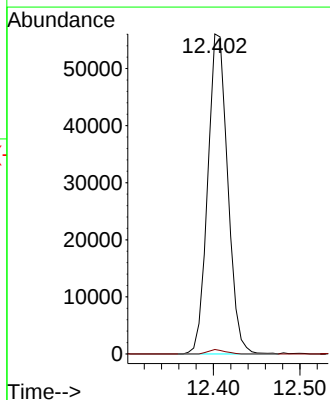
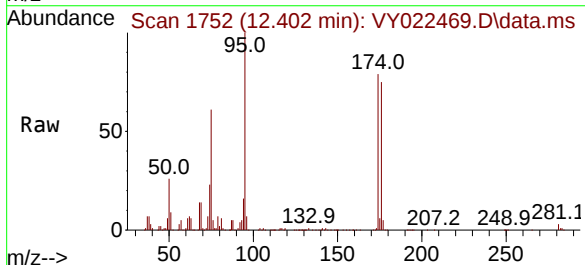
Instrument :
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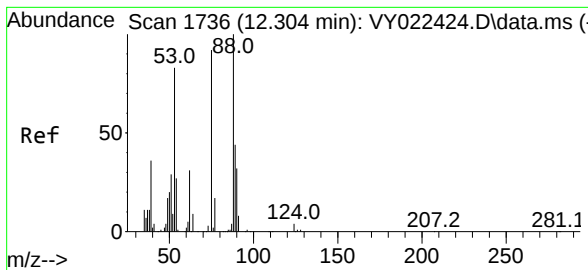
Tgt Ion:152 Resp: 145373
 Ion Ratio Lower Upper
 152 100
 115 57.2 28.4 85.3
 150 155.8 0.0 345.8



#76
 1,2,3-Trichloropropane
 Concen: 61.648 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. -0.158 min
 Lab File: VY022469.D
 Acq: 29 May 2025 15:56

Tgt Ion: 75 Resp: 89768
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.413 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY022469.D
 Acq: 29 May 2025 15:56

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-53

Tgt Ion: 75 Resp: 89768
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.1 112.7#
 89 0.1 37.4 56.0#

