

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022532.D
 Acq On : 03 Jun 2025 18:56
 Operator : SY/MD
 Sample : Q2176-07
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-31

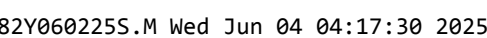
Quant Time: Jun 04 04:17:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

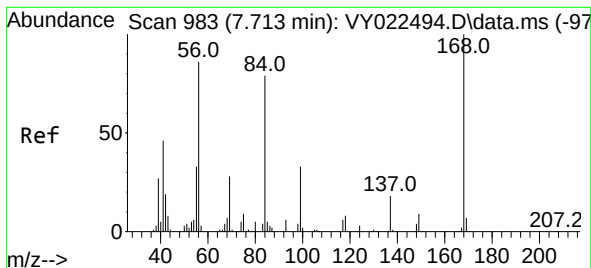
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	242608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	461777	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	369180	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	131849	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	141185	52.032	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.060%	
35) Dibromofluoromethane	7.628	113	140282	50.896	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.800%	
50) Toluene-d8	10.103	98	553890	49.734	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.460%	
62) 4-Bromofluorobenzene	12.401	95	137293	41.375	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.740%	
Target Compounds						Qvalue
20) Methylene Chloride	4.616	84	13883	4.435	ug/l	93
31) Cyclohexane	7.707	56	6931	1.329	ug/l #	51
36) 1,1-Dichloropropene	7.707	75	21678	4.846	ug/l #	50
38) Carbon Tetrachloride	7.701	117	25895	5.643	ug/l #	17
51) 4-Methyl-2-Pentanone	10.097	43	3020	1.406	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	79659	52.810	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	79659	127.533	ug/l #	10

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

Quant Time: Jun 04 04:17:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
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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: VY022532.D

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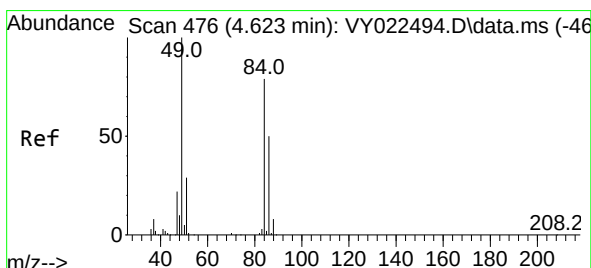
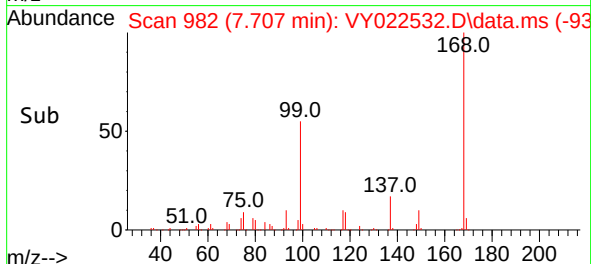
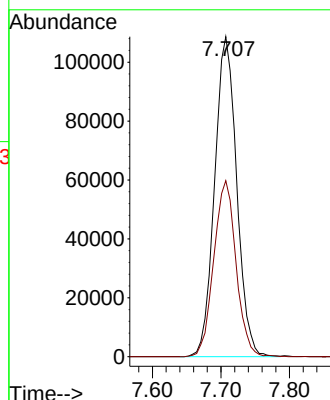
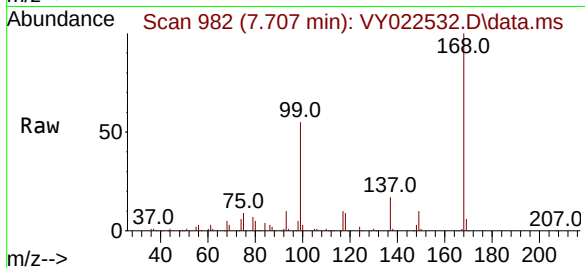
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Tgt Ion:168 Resp: 242608

Ion Ratio Lower Upper

168 100

99 55.0 44.3 66.5



#20

Methylene Chloride

Concen: 4.435 ug/l

RT: 4.616 min Scan# 475

Delta R.T. -0.006 min

Lab File: VY022532.D

Acq: 03 Jun 2025 18:56

Tgt Ion: 84 Resp: 13883

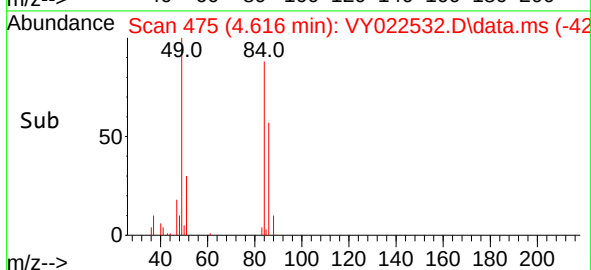
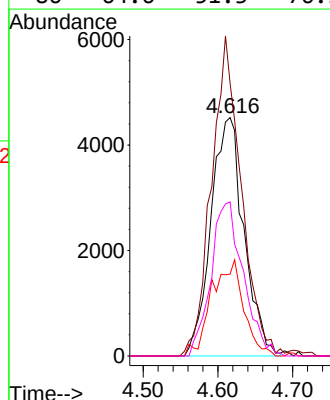
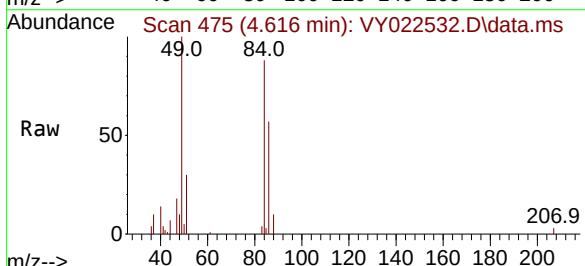
Ion Ratio Lower Upper

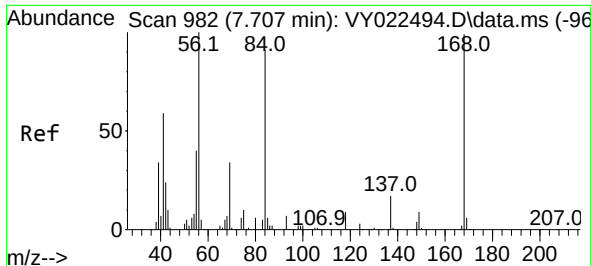
84 100

49 114.2 101.9 152.9

51 34.4 29.8 44.8

86 64.6 51.3 76.9

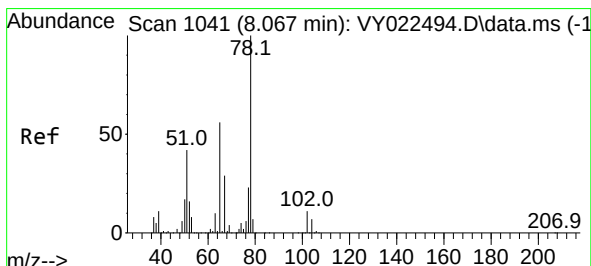
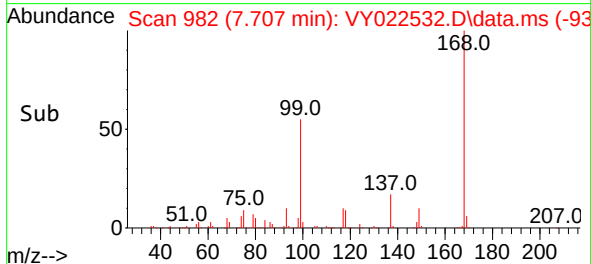
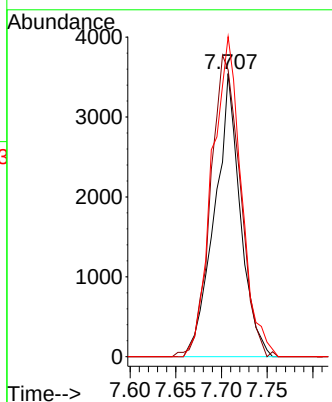
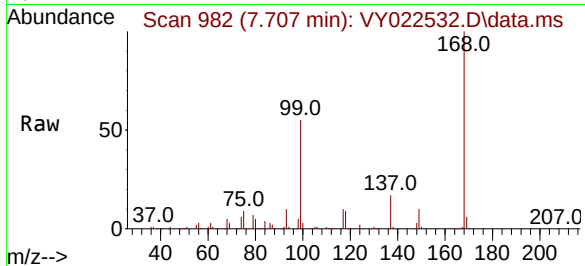




#31
Cyclohexane
Concen: 1.329 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022532.D
Acq: 03 Jun 2025 18:56

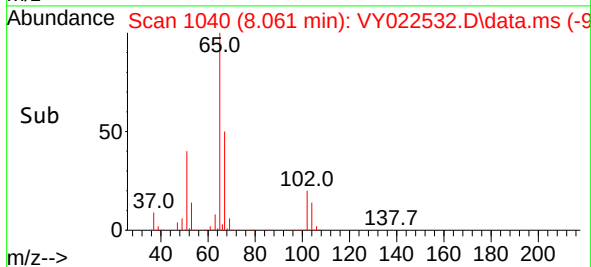
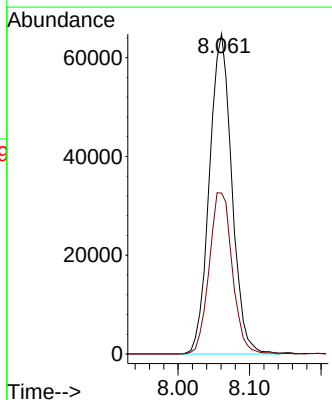
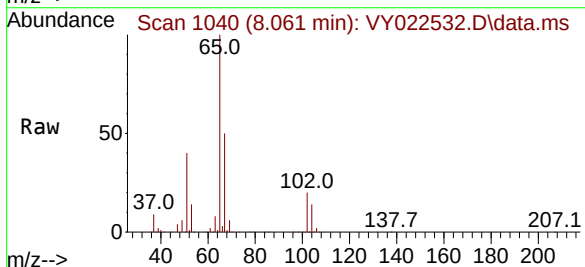
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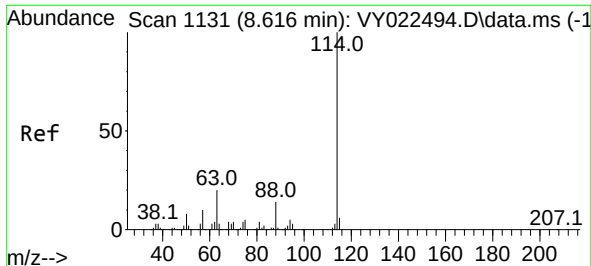
Tgt Ion: 56 Resp: 6931
Ion Ratio Lower Upper
56 100
69 101.3 27.0 40.6#
84 113.0 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 52.032 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022532.D
Acq: 03 Jun 2025 18:56

Tgt Ion: 65 Resp: 141185
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.4

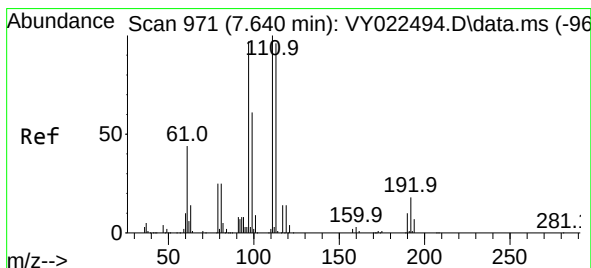
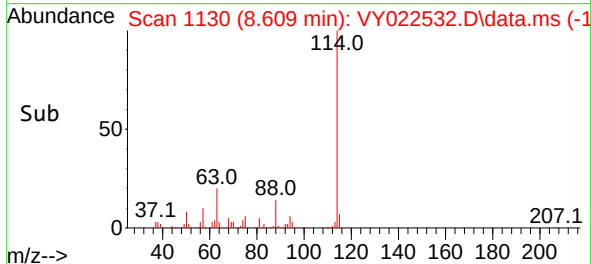
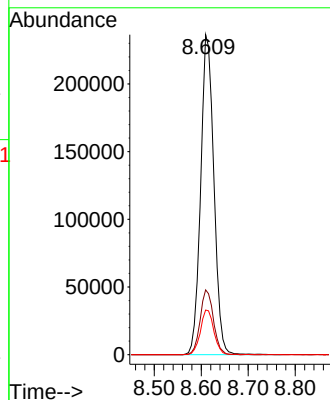
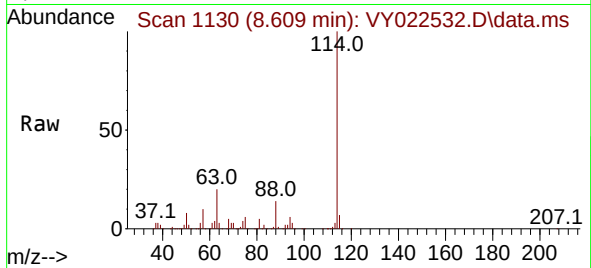




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022532.D
Acq: 03 Jun 2025 18:56

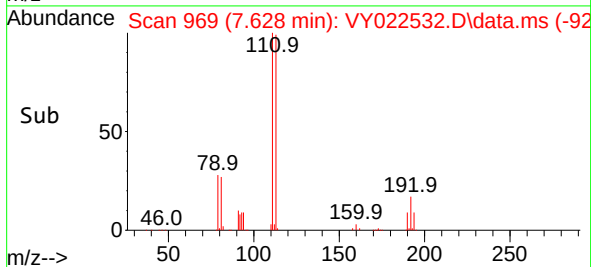
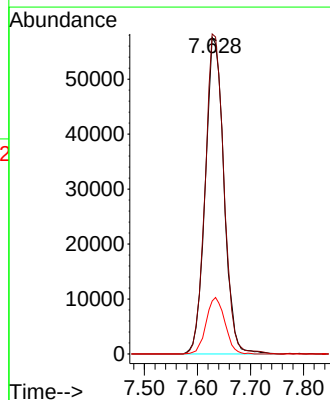
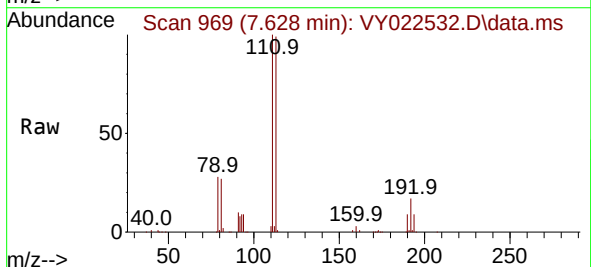
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MSVOA_Y
ClientSampleId :
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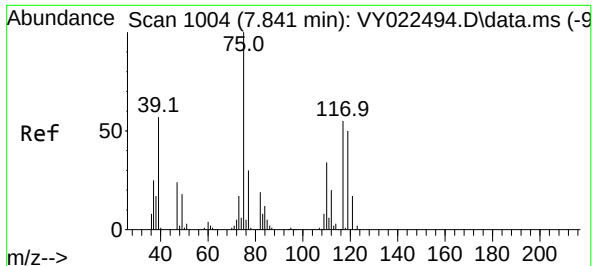
Tgt Ion:114 Resp: 461777
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.8
88 14.0 0.0 27.8



#35
Dibromofluoromethane
Concen: 50.896 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022532.D
Acq: 03 Jun 2025 18:56

Tgt Ion:113 Resp: 140282
Ion Ratio Lower Upper
113 100
111 101.5 81.1 121.7
192 18.0 14.2 21.2

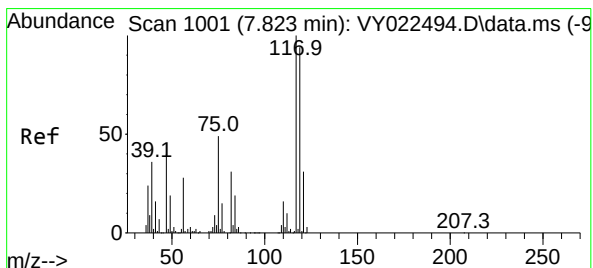
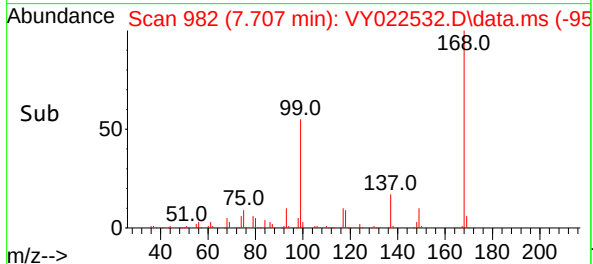
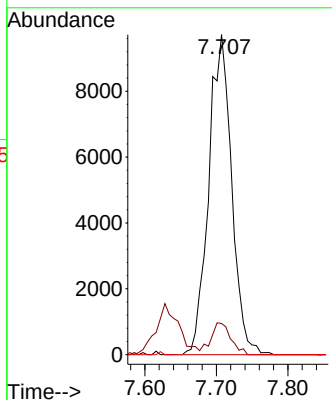
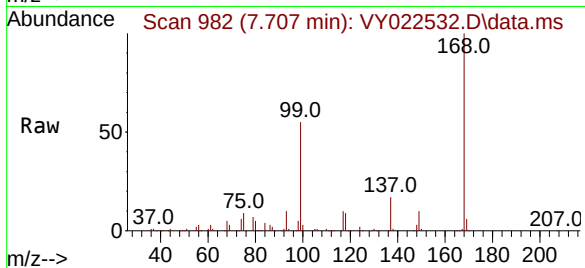




#36
1,1-Dichloropropene
Concen: 4.846 ug/l
RT: 7.707 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY022532.D
Acq: 03 Jun 2025 18:56

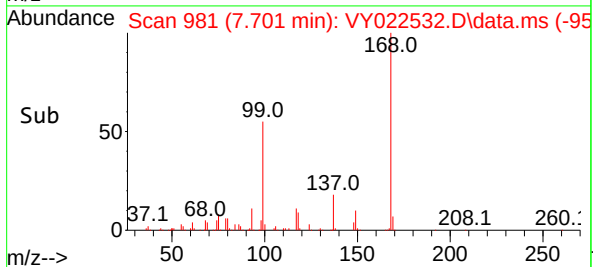
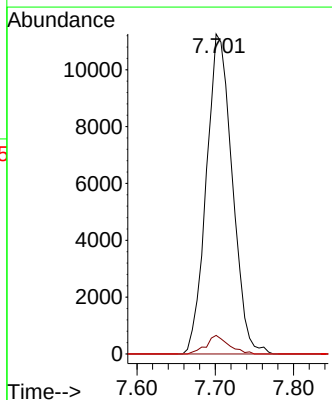
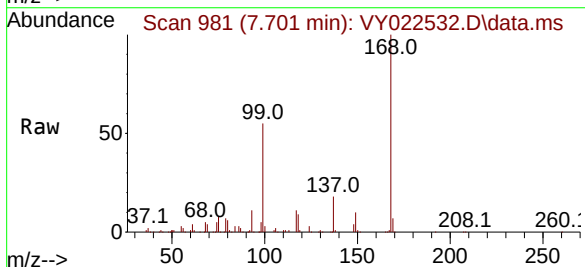
Instrument :
MSVOA_Y
ClientSampleId :
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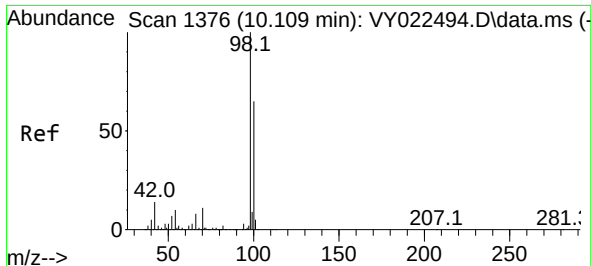
Tgt Ion: 75 Resp: 21678
Ion Ratio Lower Upper
75 100
110 8.6 16.9 50.7#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.643 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY022532.D
Acq: 03 Jun 2025 18:56

Tgt Ion: 117 Resp: 25895
Ion Ratio Lower Upper
117 100
119 5.8 75.0 112.6#
121 0.0 25.0 37.4#

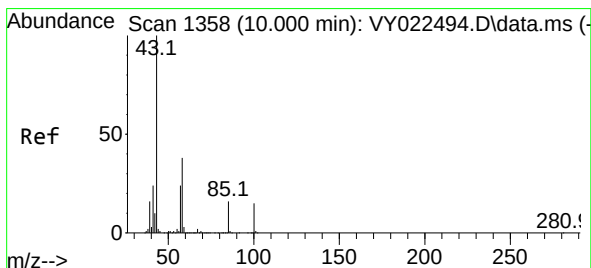
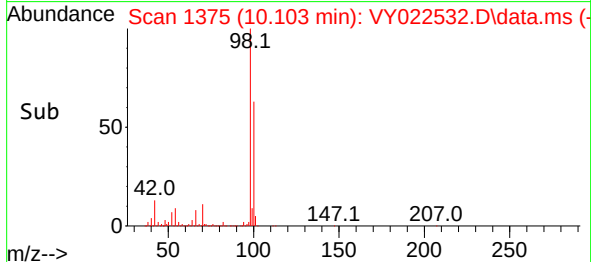
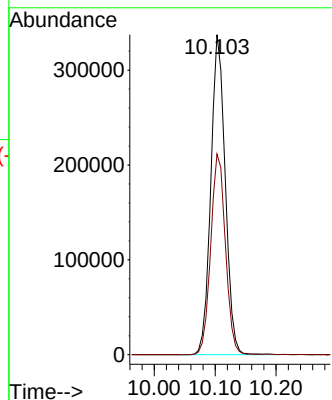
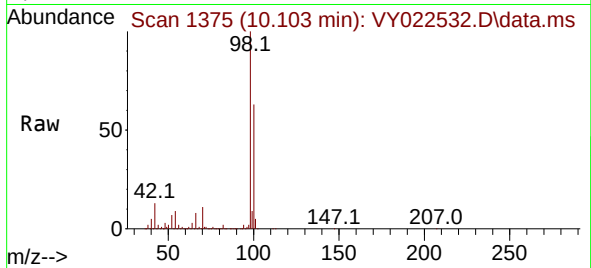




#50
Toluene-d8
Concen: 49.734 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022532.D
Acq: 03 Jun 2025 18:56

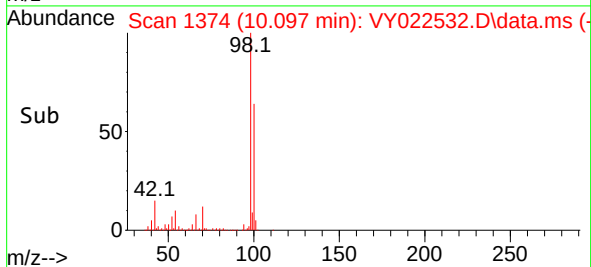
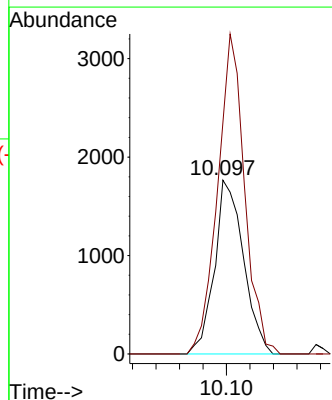
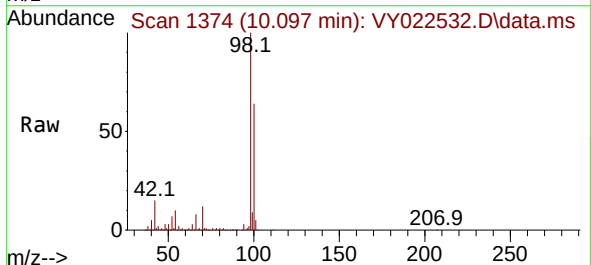
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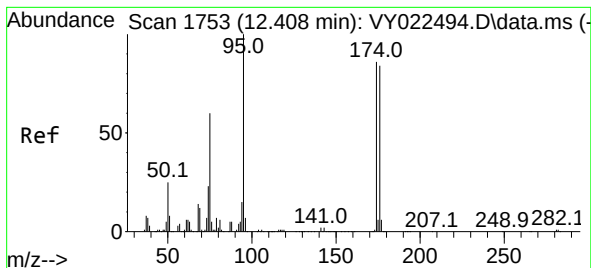
Tgt Ion: 98 Resp: 553890
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.406 ug/l
RT: 10.097 min Scan# 1374
Delta R.T. 0.097 min
Lab File: VY022532.D
Acq: 03 Jun 2025 18:56

Tgt Ion: 43 Resp: 3020
Ion Ratio Lower Upper
43 100
58 172.0 30.4 45.6#

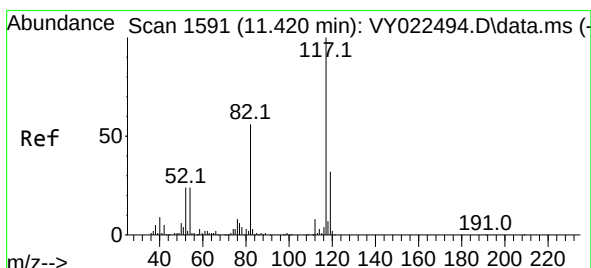
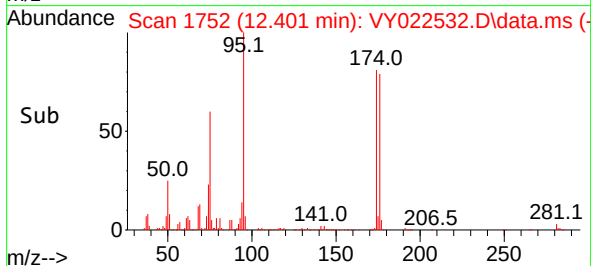
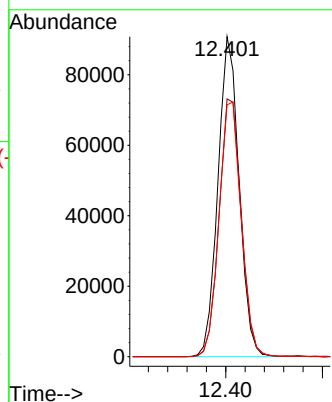
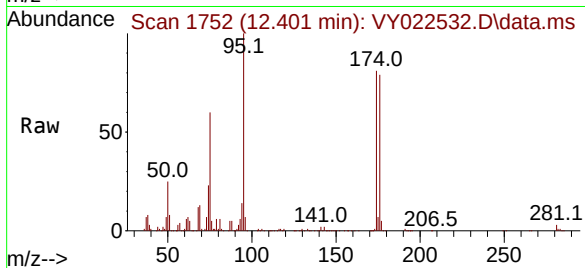




#62
4-Bromofluorobenzene
Concen: 41.375 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022532.D
Acq: 03 Jun 2025 18:56

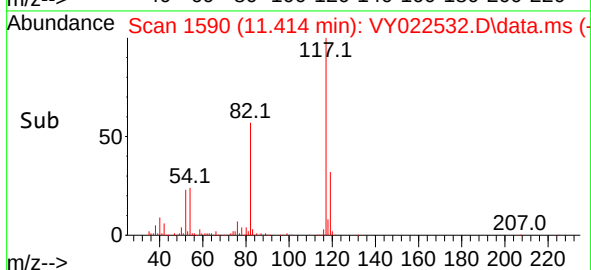
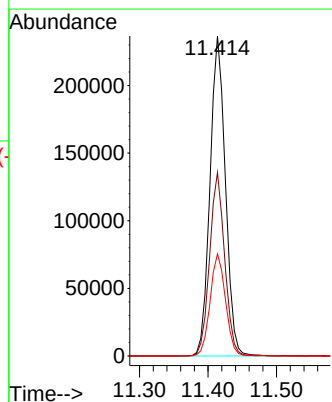
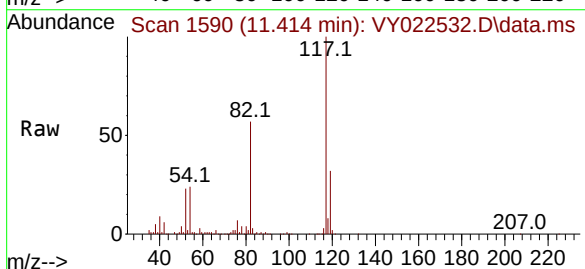
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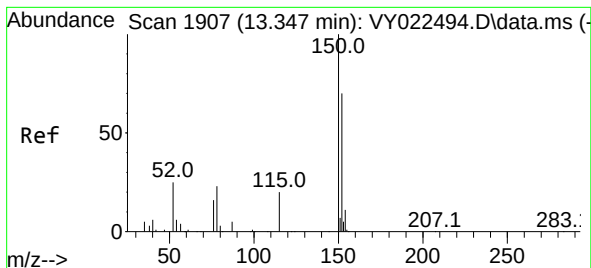
Tgt Ion: 95 Resp: 137293
Ion Ratio Lower Upper
95 100
174 84.8 0.0 170.0
176 83.8 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022532.D
Acq: 03 Jun 2025 18:56

Tgt Ion: 117 Resp: 369180
Ion Ratio Lower Upper
117 100
82 57.3 44.6 66.8
119 31.9 25.4 38.0

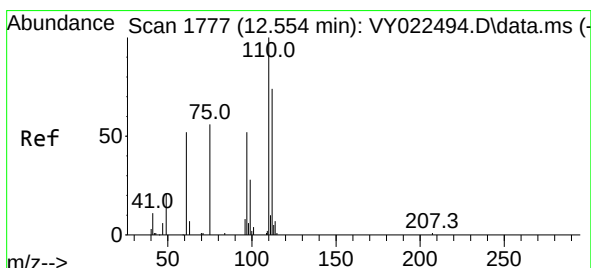
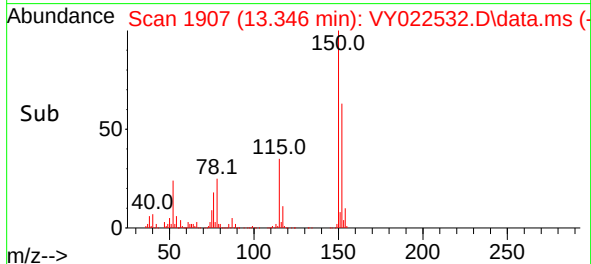
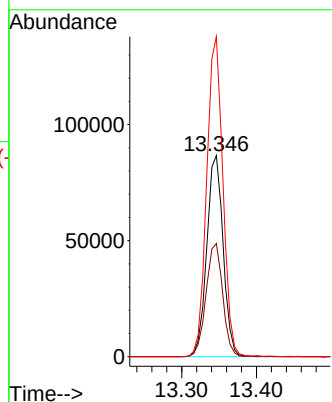
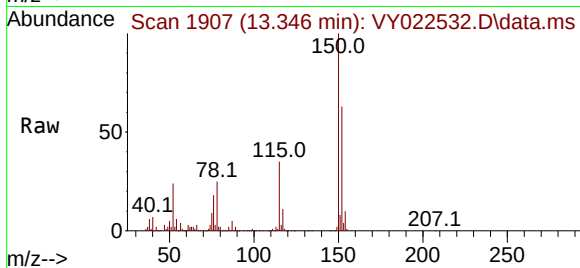




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022532.D
 Acq: 03 Jun 2025 18:56

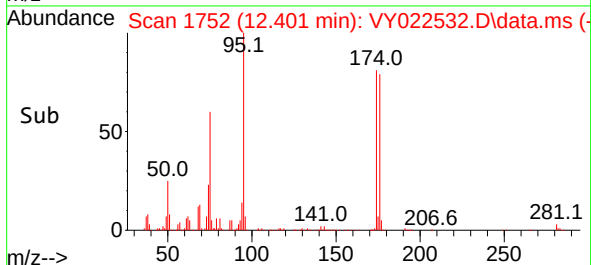
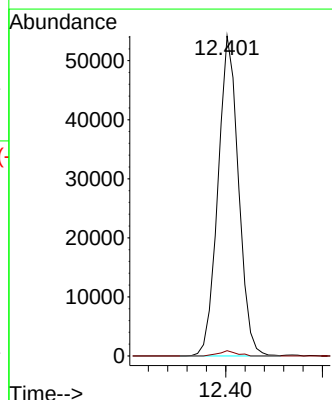
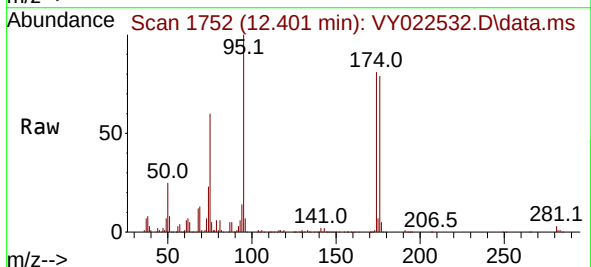
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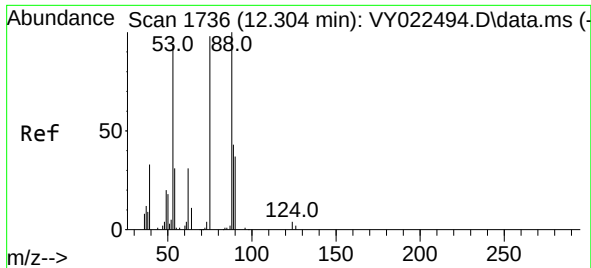
Tgt Ion:152 Resp: 131849
 Ion Ratio Lower Upper
 152 100
 115 57.4 28.9 86.7
 150 157.2 0.0 349.6



#76
 1,2,3-Trichloropropane
 Concen: 52.810 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.153 min
 Lab File: VY022532.D
 Acq: 03 Jun 2025 18:56

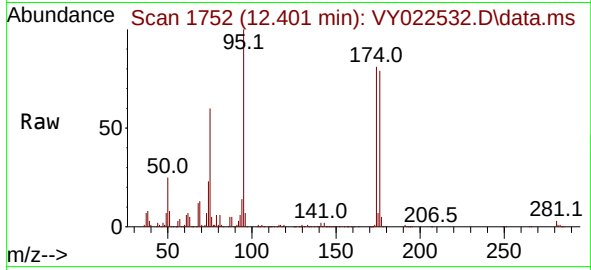
Tgt Ion: 75 Resp: 79659
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.533 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022532.D
 Acq: 03 Jun 2025 18:56

Instrument :
 MSVOA_Y
 ClientSampleId :
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Tgt Ion:	75	Resp:	79659
Ion	Ratio	Lower	Upper
75	100		
53	0.1	78.5	117.7#
89	0.0	35.7	53.5#

