

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022526.D
 Acq On : 03 Jun 2025 16:35
 Operator : SY/MD
 Sample : Q2176-01
 Misc : 7.12g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-46

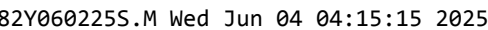
Quant Time: Jun 04 04:15:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

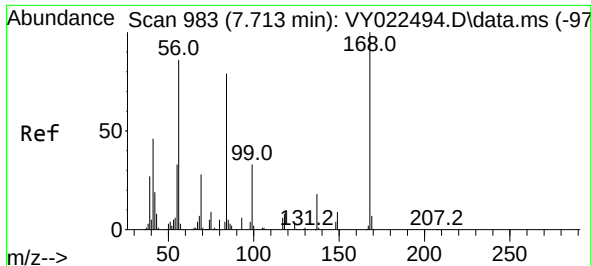
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	268876	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	504814	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.413	117	411331	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	154553	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	155741	51.789	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.580%	
35) Dibromofluoromethane	7.634	113	151120	50.154	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.300%	
50) Toluene-d8	10.103	98	603269	49.550	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.100%	
62) 4-Bromofluorobenzene	12.401	95	156250	43.073	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 86.140%	
Target Compounds						
					Qvalue	
16) Acetone	3.872	43	1410	2.309	ug/l	99
20) Methylene Chloride	4.604	84	5653	1.630	ug/l #	79
31) Cyclohexane	7.701	56	6987	1.209	ug/l #	31
36) 1,1-Dichloropropene	7.701	75	23402	4.785	ug/l #	51
38) Carbon Tetrachloride	7.707	117	27260	5.434	ug/l #	16
49) 1,4-Dioxane	9.450	88	26	1.143	ug/l #	49
51) 4-Methyl-2-Pentanone	10.103	43	3217	1.370	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	92301	52.202	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	92301	126.065	ug/l #	11

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

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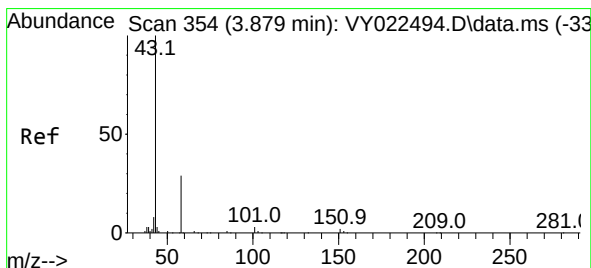
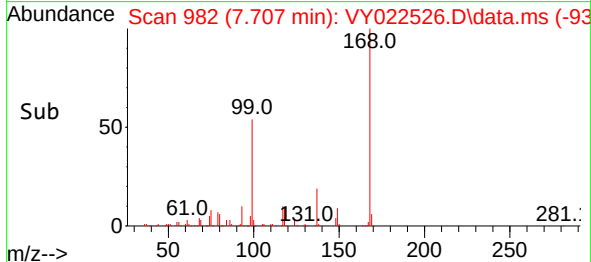
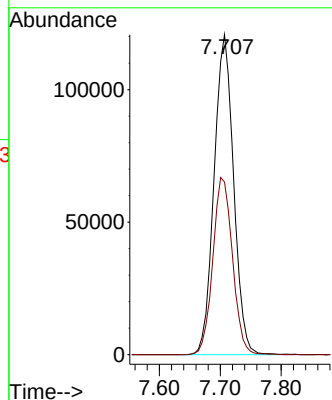
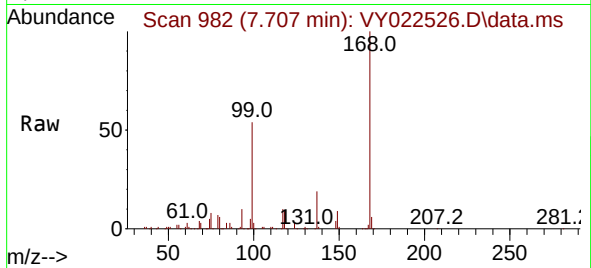




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022526.D
Acq: 03 Jun 2025 16:35

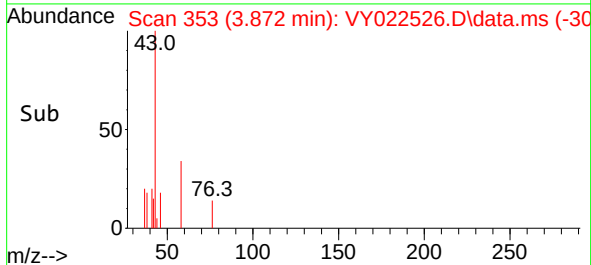
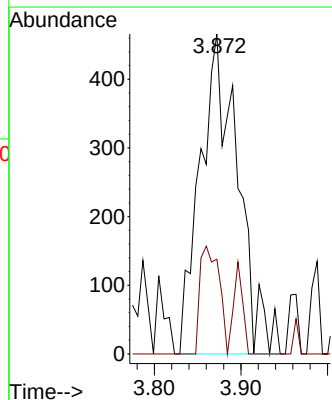
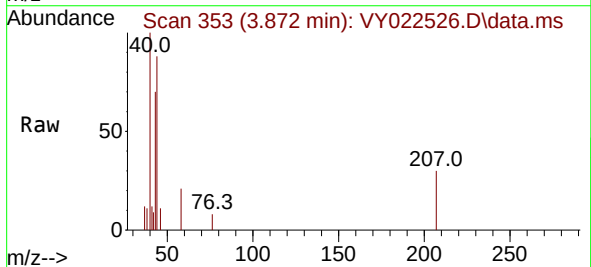
Instrument :
MSVOA_Y
ClientSampleId :
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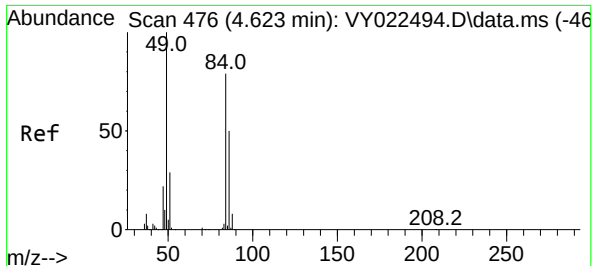
Tgt Ion:168 Resp: 268876
Ion Ratio Lower Upper
168 100
99 54.0 44.3 66.5



#16
Acetone
Concen: 2.309 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.007 min
Lab File: VY022526.D
Acq: 03 Jun 2025 16:35

Tgt Ion: 43 Resp: 1410
Ion Ratio Lower Upper
43 100
58 29.6 24.0 36.0

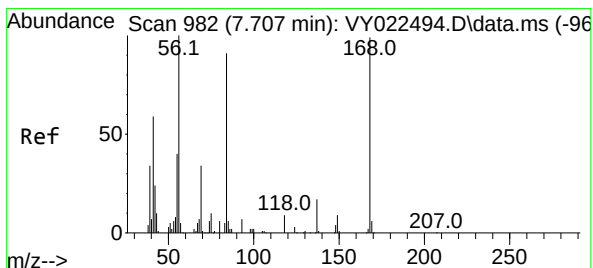
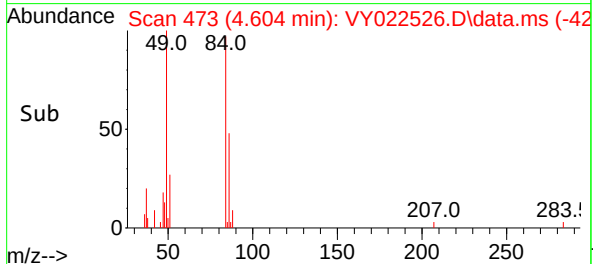
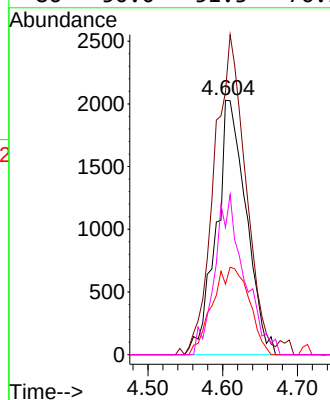
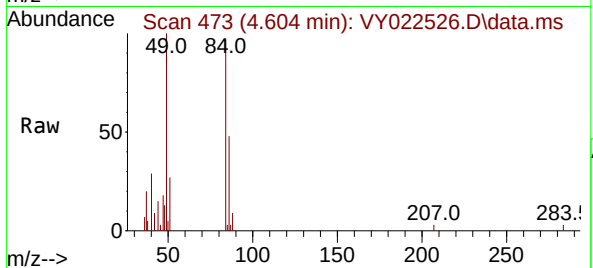




#20
Methylene Chloride
Concen: 1.630 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.019 min
Lab File: VY022526.D
Acq: 03 Jun 2025 16:35

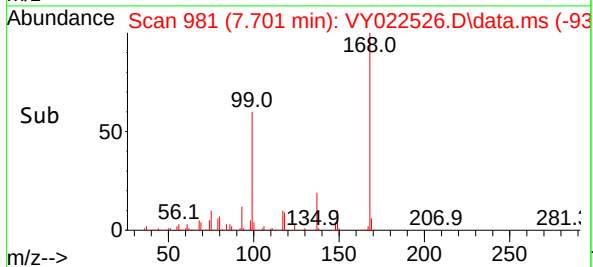
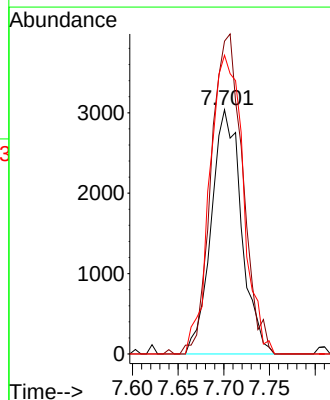
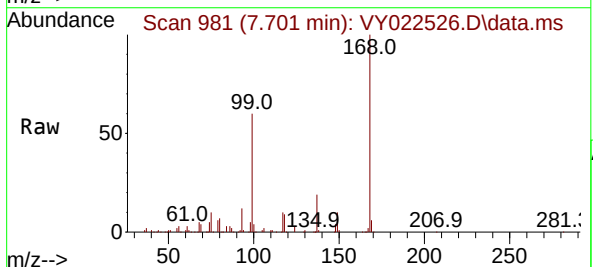
Instrument :
MSVOA_Y
ClientSampleId :
TP-46

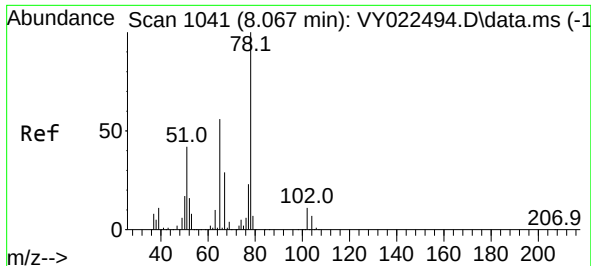
Tgt Ion:	84	Resp:	5653
Ion	Ratio	Lower	Upper
84	100		
49	100.8	101.9	152.9#
51	27.7	29.8	44.8#
86	50.0	51.3	76.9#



#31
Cyclohexane
Concen: 1.209 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.007 min
Lab File: VY022526.D
Acq: 03 Jun 2025 16:35

Tgt Ion:	56	Resp:	6987
Ion	Ratio	Lower	Upper
56	100		
69	128.1	27.0	40.6#
84	122.4	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 51.789 ug/l

RT: 8.060 min Scan# 1130

Delta R.T. -0.007 min

Lab File: VY022526.D

Acq: 03 Jun 2025 16:35

Instrument :

MSVOA_Y

ClientSampleId :

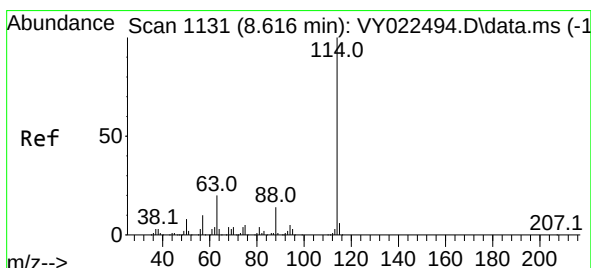
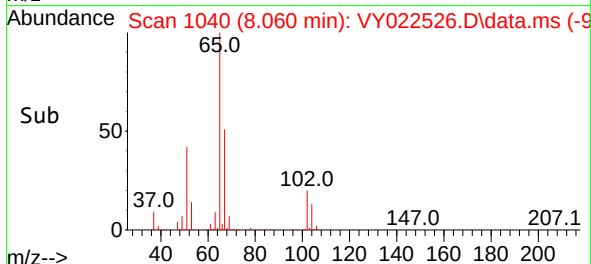
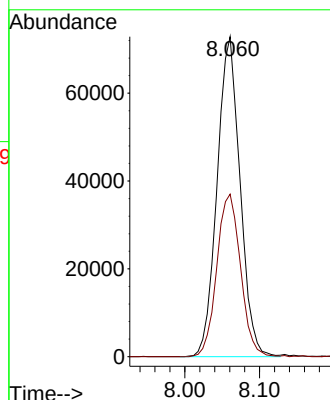
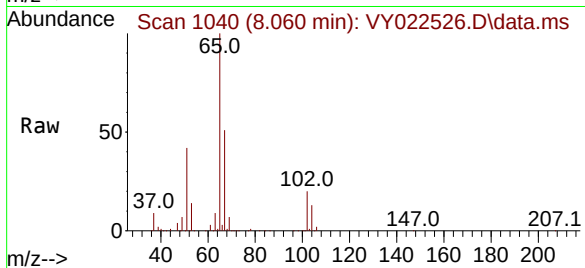
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Tgt Ion: 65 Resp: 155741

Ion Ratio Lower Upper

65 100

67 52.5 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.007 min

Lab File: VY022526.D

Acq: 03 Jun 2025 16:35

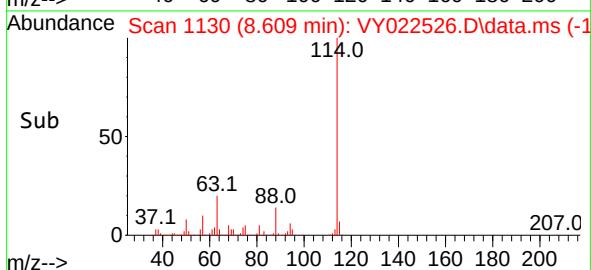
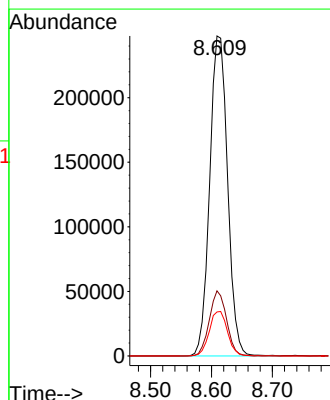
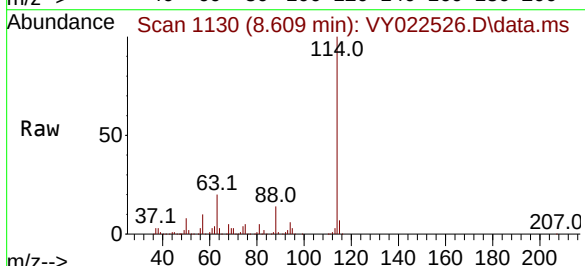
Tgt Ion: 114 Resp: 504814

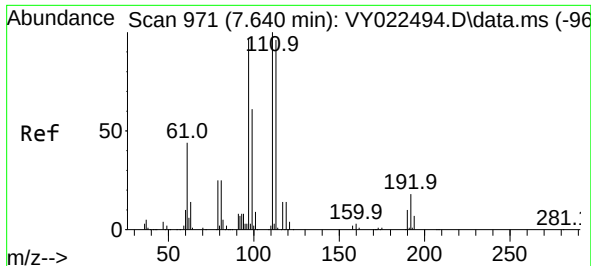
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.8

88 13.8 0.0 27.8

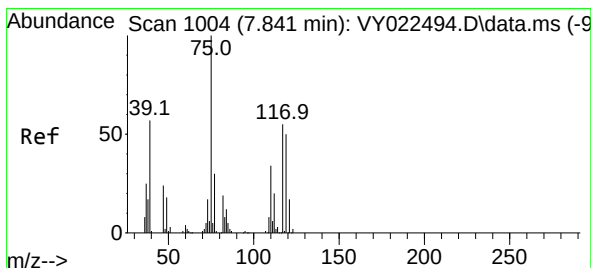
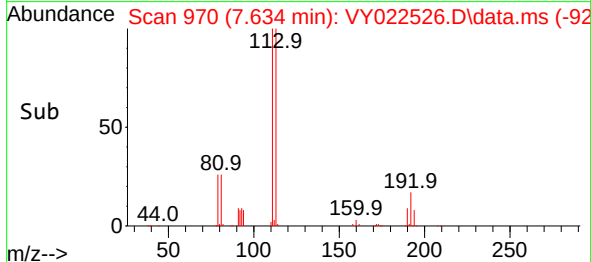
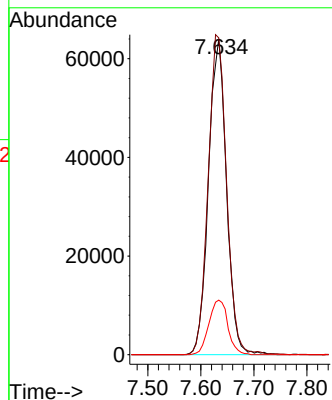
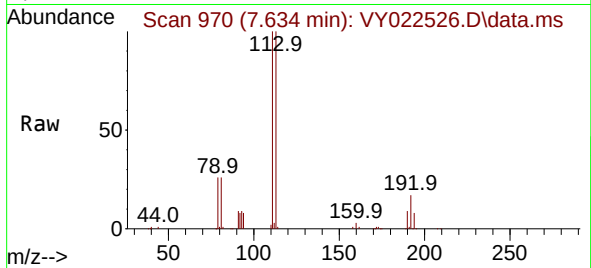




#35
Dibromofluoromethane
Concen: 50.154 ug/l
RT: 7.634 min Scan# 911
Delta R.T. -0.007 min
Lab File: VY022526.D
Acq: 03 Jun 2025 16:35

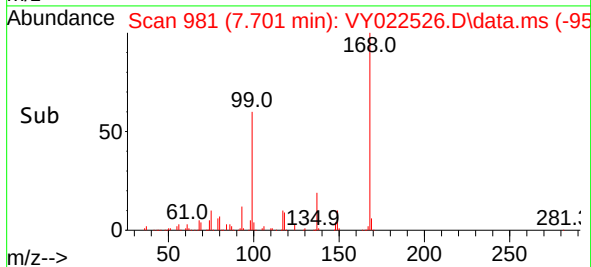
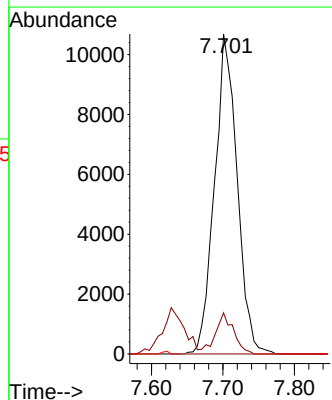
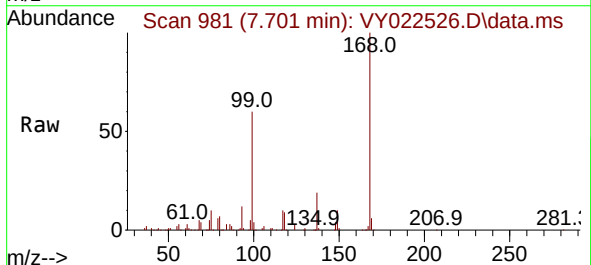
Instrument :
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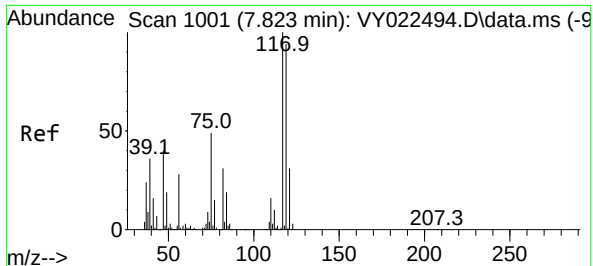
Tgt Ion:113 Resp: 151120
Ion Ratio Lower Upper
113 100
111 103.8 81.1 121.7
192 18.2 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.785 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.141 min
Lab File: VY022526.D
Acq: 03 Jun 2025 16:35

Tgt Ion: 75 Resp: 23402
Ion Ratio Lower Upper
75 100
110 10.2 16.9 50.7#
77 0.0 24.8 37.2#

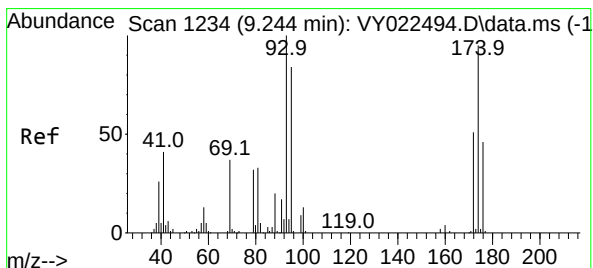
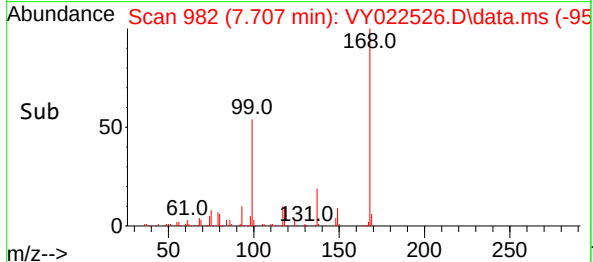
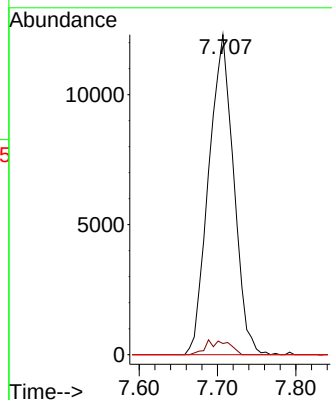
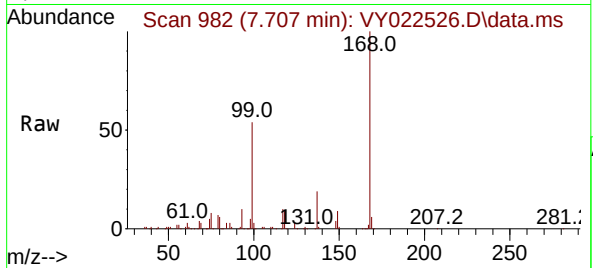




#38
Carbon Tetrachloride
Concen: 5.434 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022526.D
Acq: 03 Jun 2025 16:35

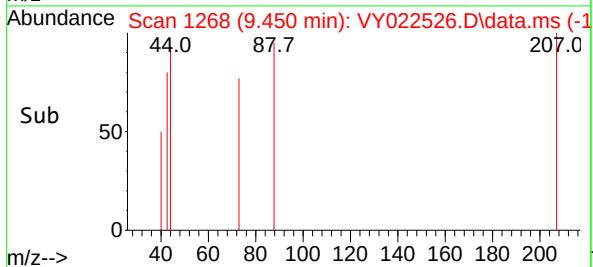
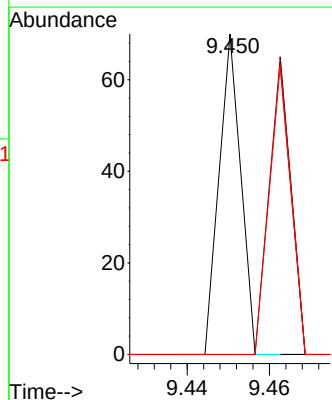
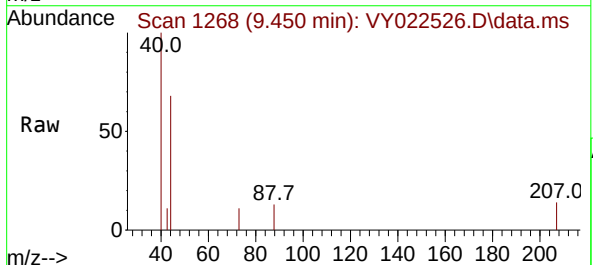
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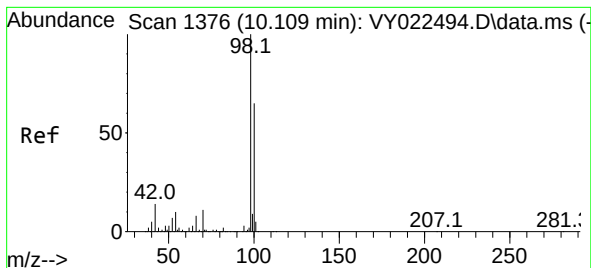
Tgt Ion:117 Resp: 27260
Ion Ratio Lower Upper
117 100
119 3.5 75.0 112.6#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 1.143 ug/l
RT: 9.450 min Scan# 1268
Delta R.T. 0.207 min
Lab File: VY022526.D
Acq: 03 Jun 2025 16:35

Tgt Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 92.3 25.4 38.2#
58 88.5 54.9 82.3#

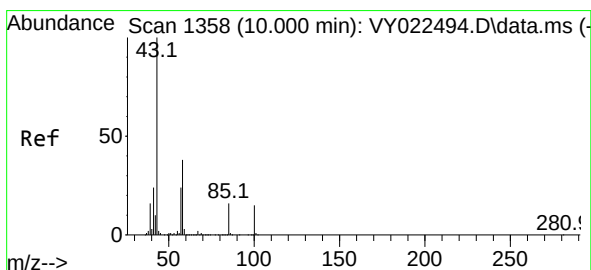
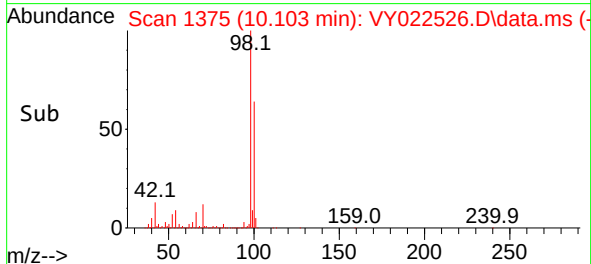
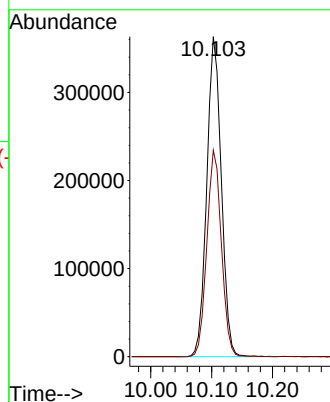
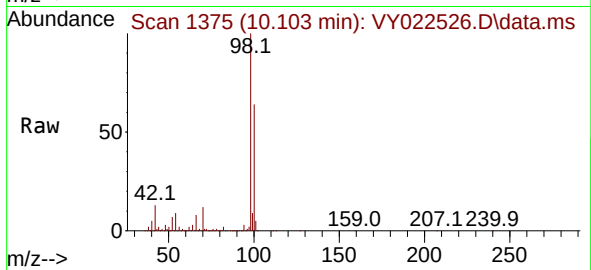




#50
Toluene-d8
Concen: 49.550 ug/l
RT: 10.103 min Scan# 1376
Delta R.T. -0.007 min
Lab File: VY022526.D
Acq: 03 Jun 2025 16:35

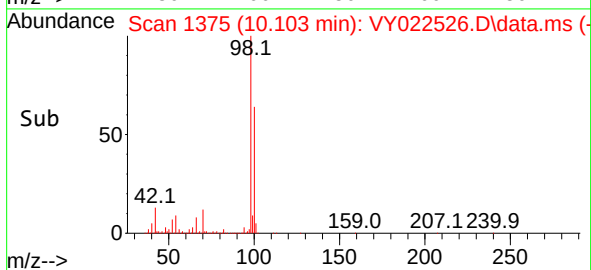
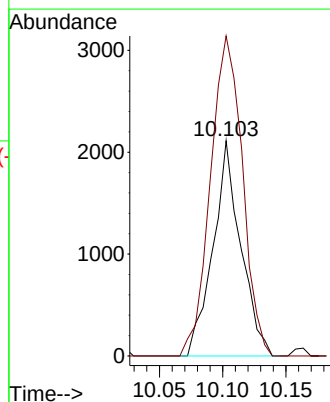
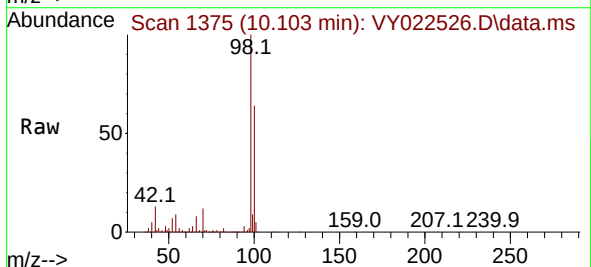
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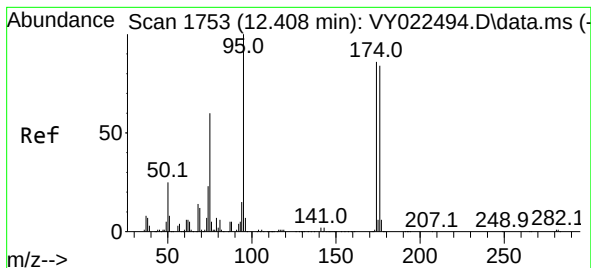
Tgt Ion: 98 Resp: 603269
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.370 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.103 min
Lab File: VY022526.D
Acq: 03 Jun 2025 16:35

Tgt Ion: 43 Resp: 3217
Ion Ratio Lower Upper
43 100
58 171.7 30.4 45.6#

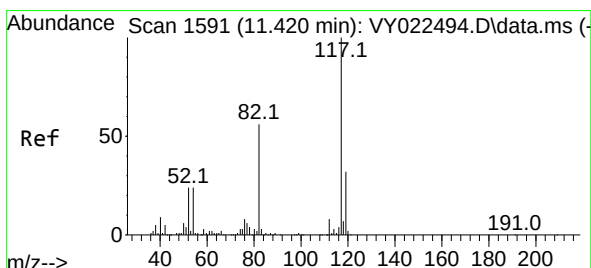
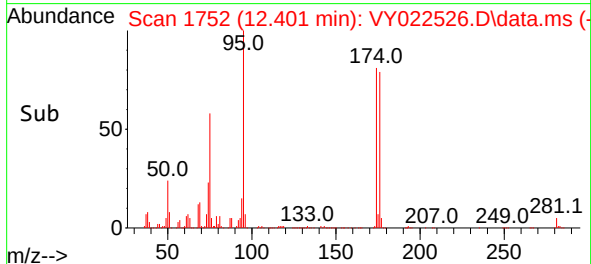
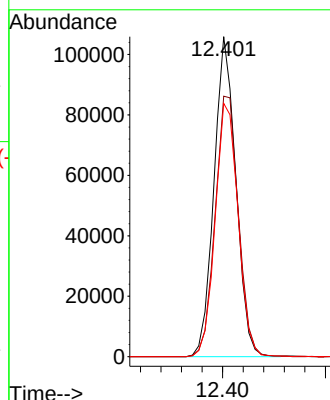
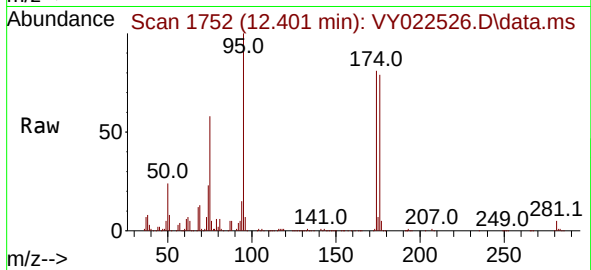




#62
4-Bromofluorobenzene
Concen: 43.073 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY022526.D
Acq: 03 Jun 2025 16:35

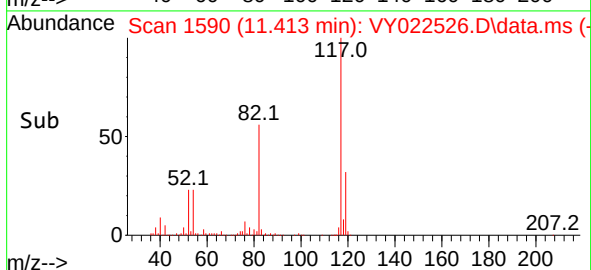
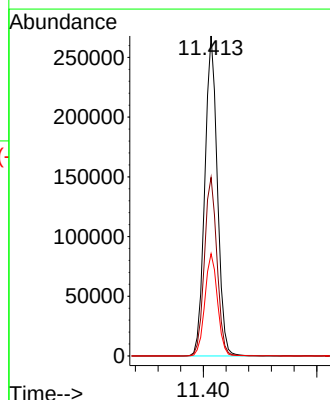
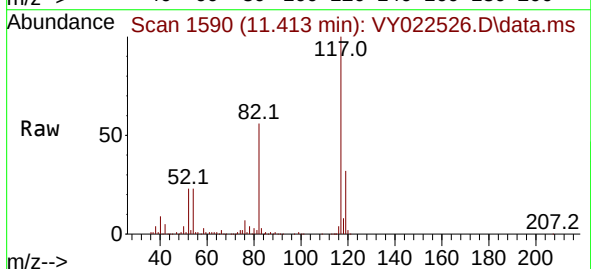
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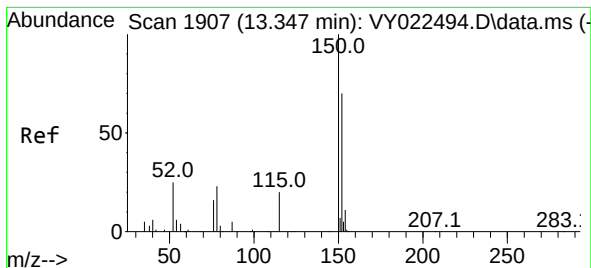
Tgt Ion: 95 Resp: 156250
Ion Ratio Lower Upper
95 100
174 86.6 0.0 170.0
176 82.8 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.413 min Scan# 1590
Delta R.T. -0.007 min
Lab File: VY022526.D
Acq: 03 Jun 2025 16:35

Tgt Ion: 117 Resp: 411331
Ion Ratio Lower Upper
117 100
82 55.8 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. -0.001 min

Lab File: VY022526.D

Acq: 03 Jun 2025 16:35

Instrument :

MSVOA_Y

ClientSampleId :

TP-46

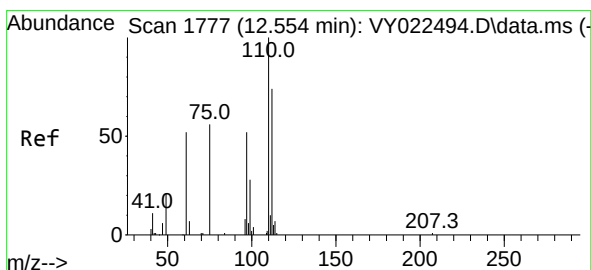
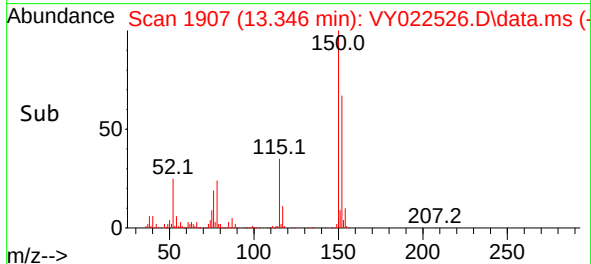
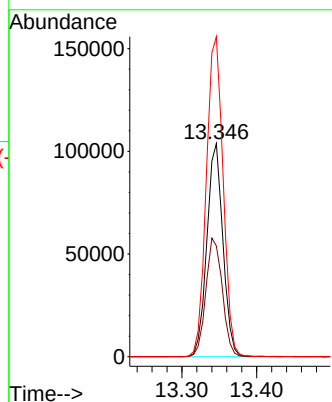
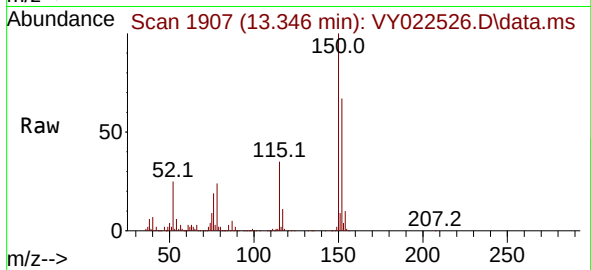
Tgt Ion:152 Resp: 154553

Ion Ratio Lower Upper

152 100

115 57.2 28.9 86.7

150 156.7 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 52.202 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022526.D

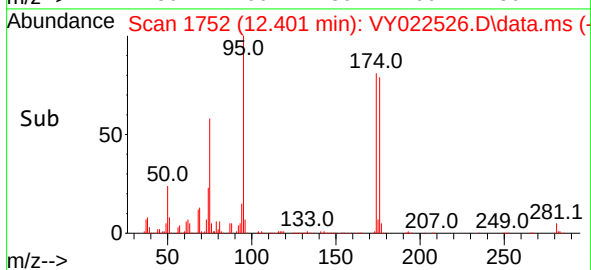
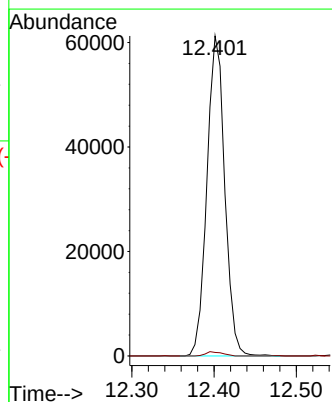
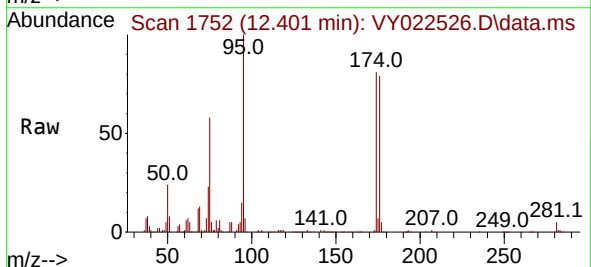
Acq: 03 Jun 2025 16:35

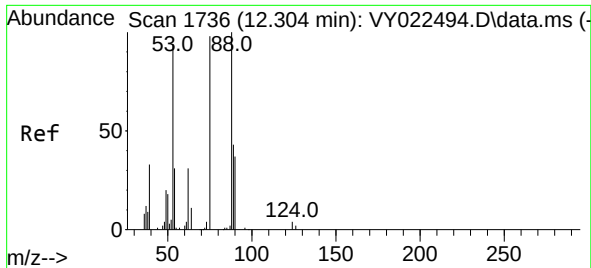
Tgt Ion: 75 Resp: 92301

Ion Ratio Lower Upper

75 100

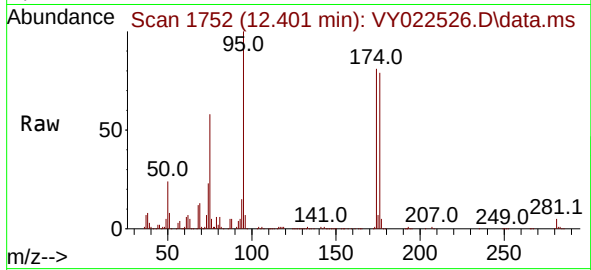
77 1.2 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 126.065 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY022526.D
Acq: 03 Jun 2025 16:35

Instrument :
MSVOA_Y
ClientSampleId :
TP-46



Tgt Ion:	75	Resp:	92301
Ion	Ratio	Lower	Upper
75	100		
53	0.0	78.5	117.7#
89	0.2	35.7	53.5#

