

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022534.D
 Acq On : 03 Jun 2025 19:42
 Operator : SY/MD
 Sample : Q2177-01
 Misc : 2.56g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-187-SB00

Quant Time: Jun 04 04:18:01 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)

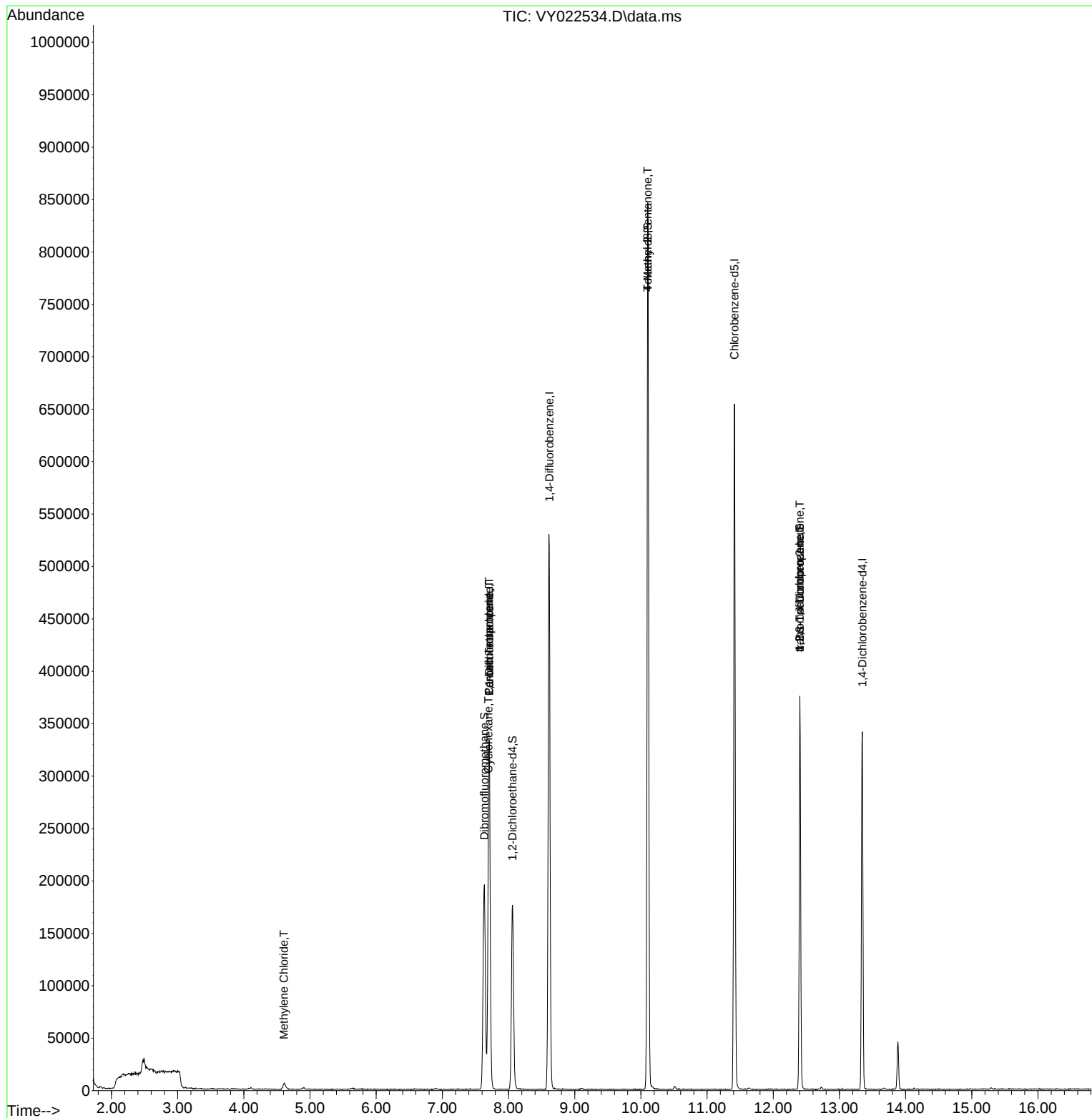
Internal Standards						
1) Pentafluorobenzene	7.707	168	249503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	446768	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	313918	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	80935	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	134811	48.310	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.620%		
35) Dibromofluoromethane	7.634	113	137946	51.730	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.460%		
50) Toluene-d8	10.103	98	524997	48.723	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.440%		
62) 4-Bromofluorobenzene	12.402	95	98946	30.820	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	61.640%		
Target Compounds						Qvalue
20) Methylene Chloride	4.604	84	3762	1.169	ug/l #	83
31) Cyclohexane	7.695	56	6878	1.283	ug/l #	45
36) 1,1-Dichloropropene	7.707	75	22006	5.085	ug/l #	47
38) Carbon Tetrachloride	7.707	117	25689	5.786	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	2810	1.352	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	58509	63.190	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	58509	152.599	ug/l #	10

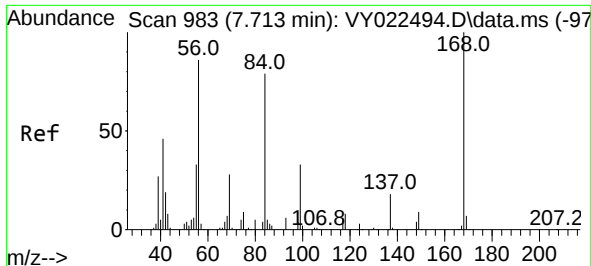
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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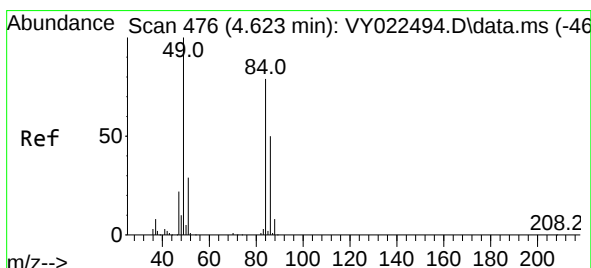
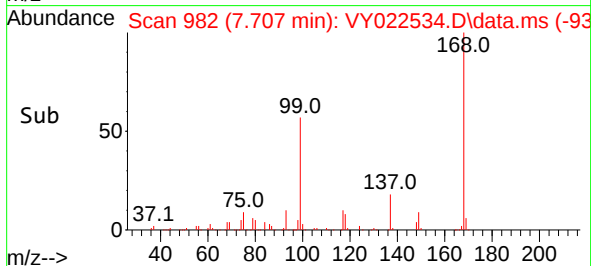
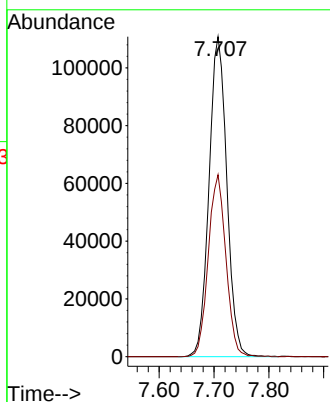
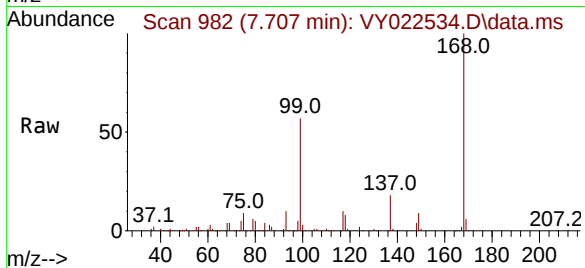




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

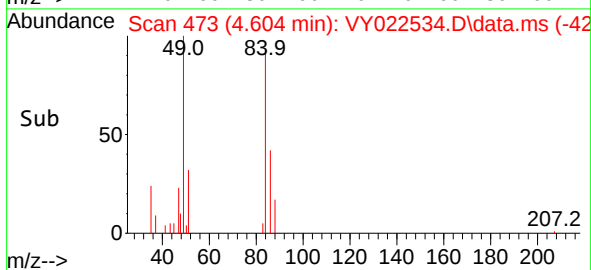
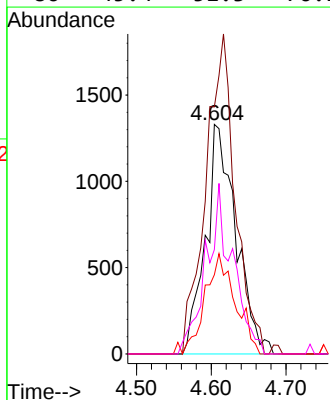
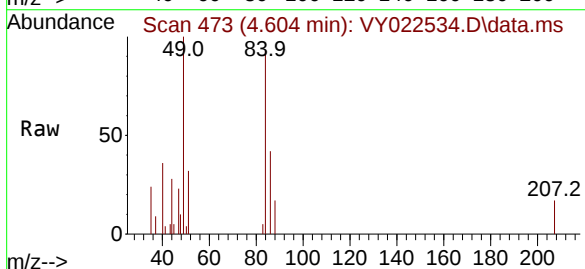
Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB00

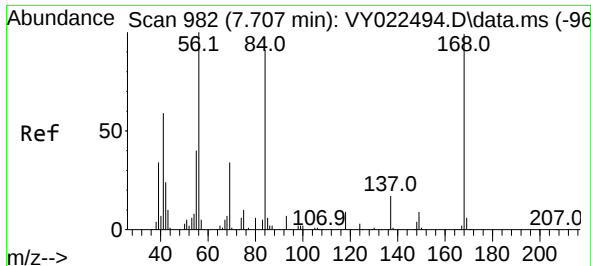
Tgt Ion:168 Resp: 249503
Ion Ratio Lower Upper
168 100
99 56.9 44.3 66.5



#20
Methylene Chloride
Concen: 1.169 ug/l
RT: 4.604 min Scan# 473
Delta R.T. -0.018 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

Tgt Ion: 84 Resp: 3762
Ion Ratio Lower Upper
84 100
49 107.6 101.9 152.9
51 34.5 29.8 44.8
86 45.4 51.3 76.9#

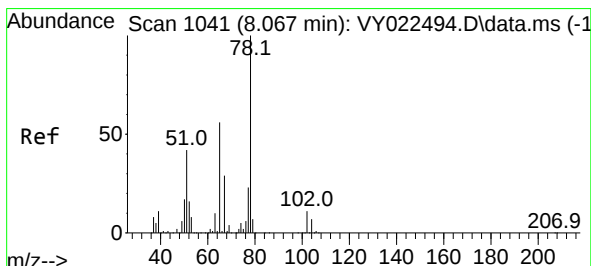
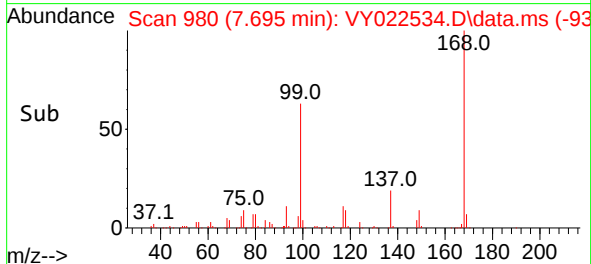
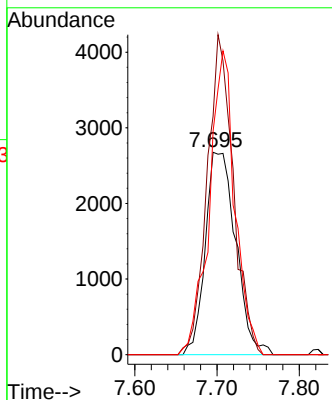
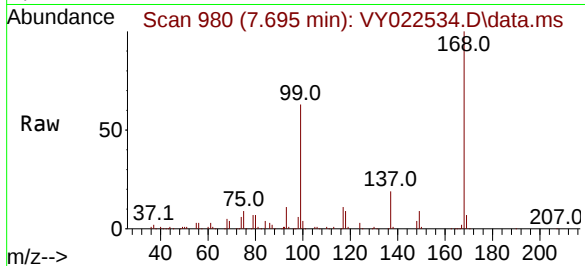




#31
Cyclohexane
Concen: 1.283 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

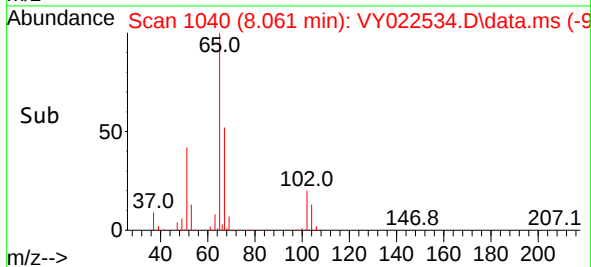
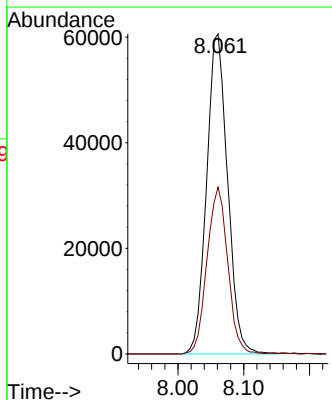
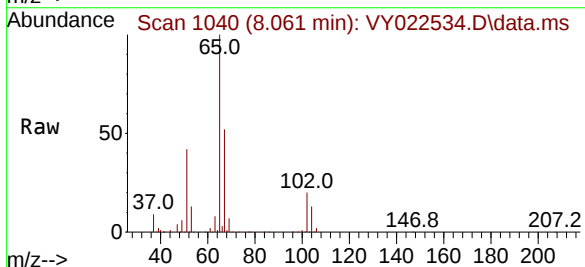
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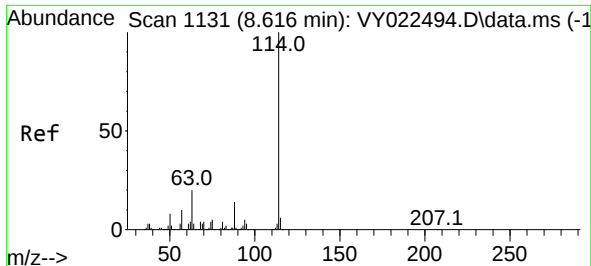
Tgt Ion: 56 Resp: 6878
Ion Ratio Lower Upper
56 100
69 117.8 27.0 40.6#
84 110.4 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 48.310 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

Tgt Ion: 65 Resp: 134811
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.4

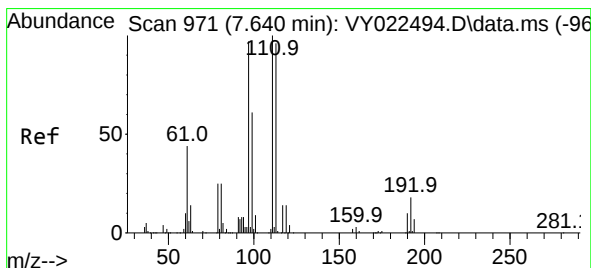
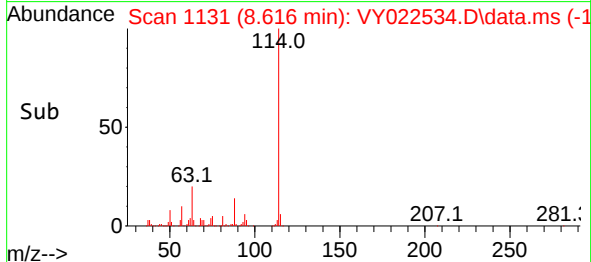
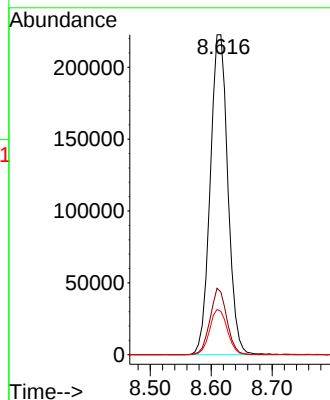
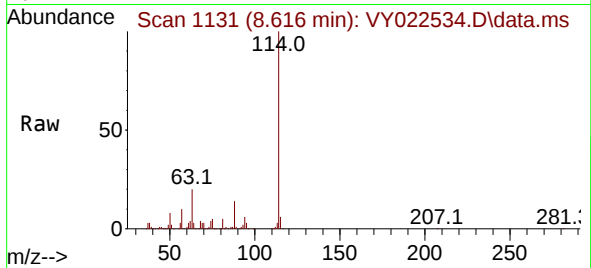




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

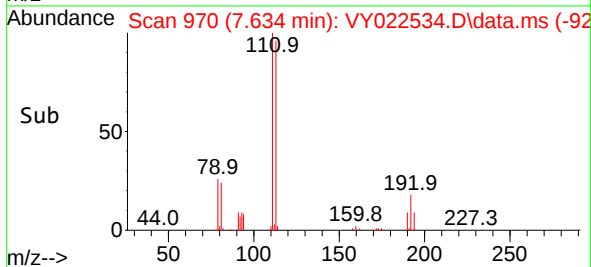
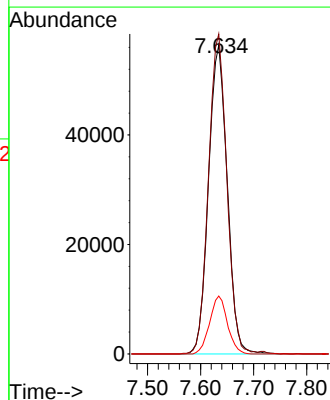
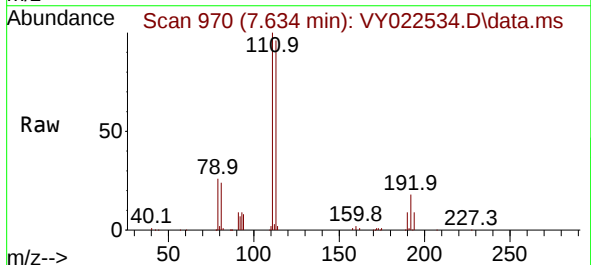
Instrument :
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ClientSampleId :
B-187-SB00

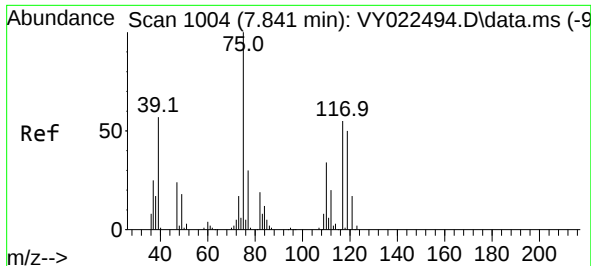
Tgt Ion:114 Resp: 446768
Ion Ratio Lower Upper
114 100
63 19.6 0.0 40.8
88 13.6 0.0 27.8



#35
Dibromofluoromethane
Concen: 51.730 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

Tgt Ion:113 Resp: 137946
Ion Ratio Lower Upper
113 100
111 101.7 81.1 121.7
192 17.9 14.2 21.2

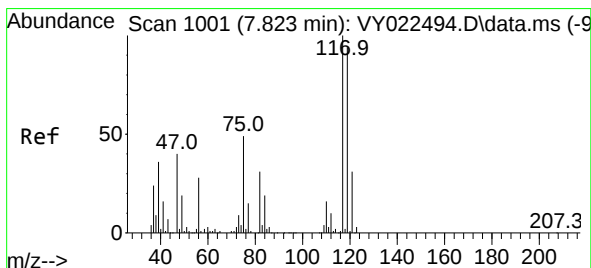
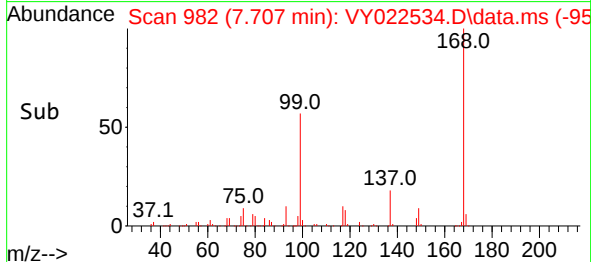
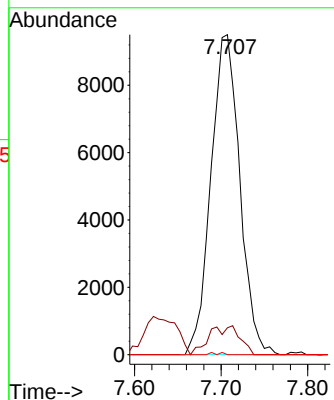
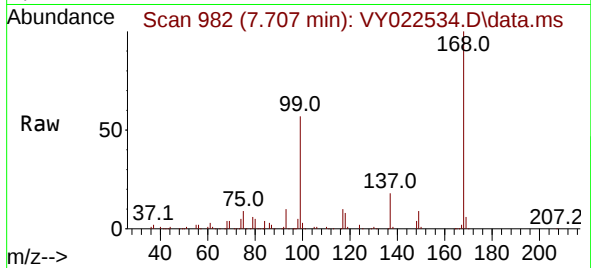




#36
1,1-Dichloropropene
Concen: 5.085 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

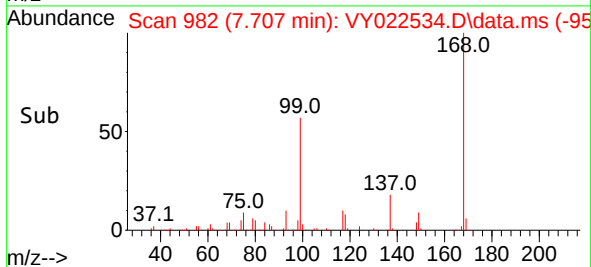
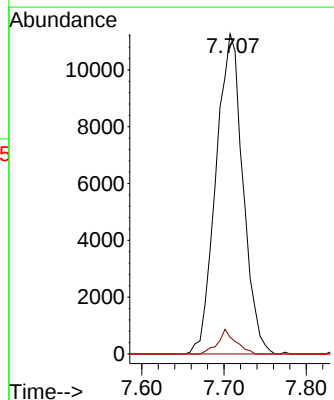
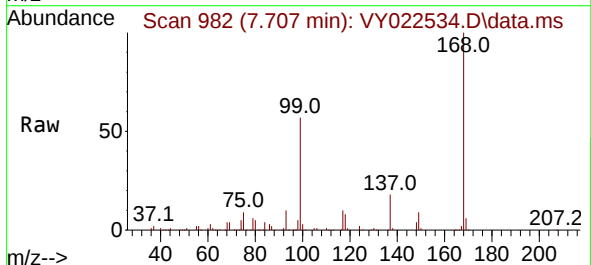
Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB00

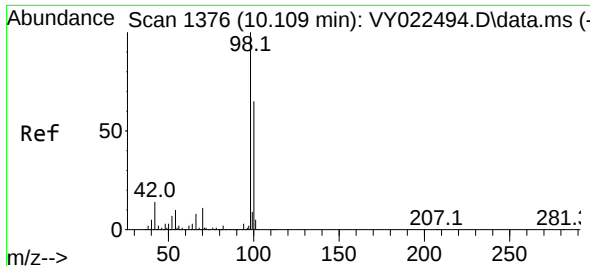
Tgt Ion: 75 Resp: 22006
Ion Ratio Lower Upper
75 100
110 4.9 16.9 50.7#
77 0.2 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.786 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

Tgt Ion: 117 Resp: 25689
Ion Ratio Lower Upper
117 100
119 5.2 75.0 112.6#
121 0.0 25.0 37.4#

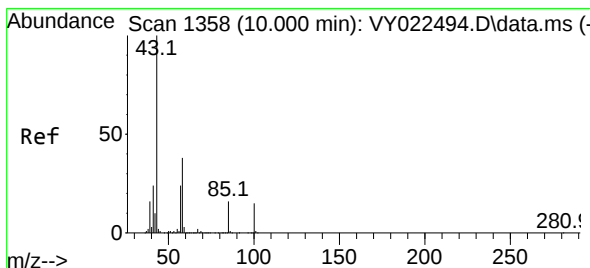
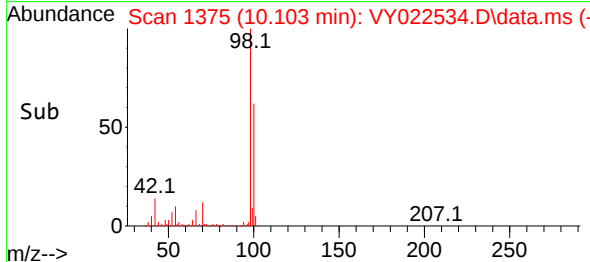
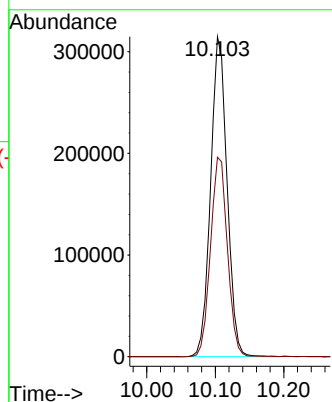
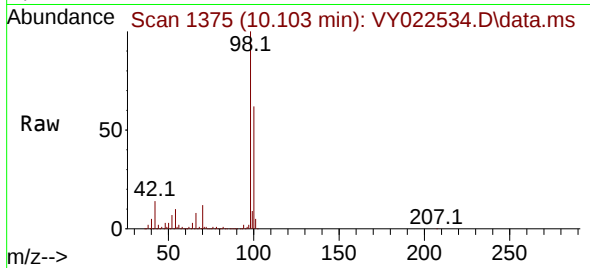




#50
Toluene-d8
Concen: 48.723 ug/l
RT: 10.103 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

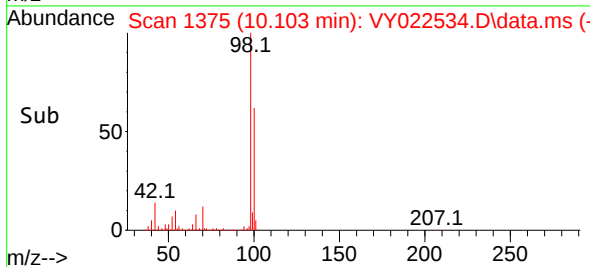
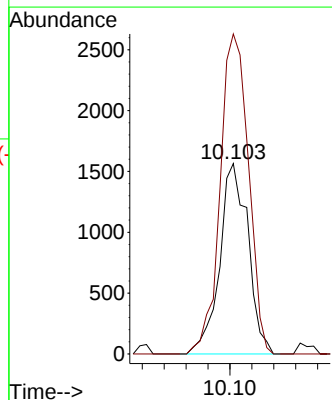
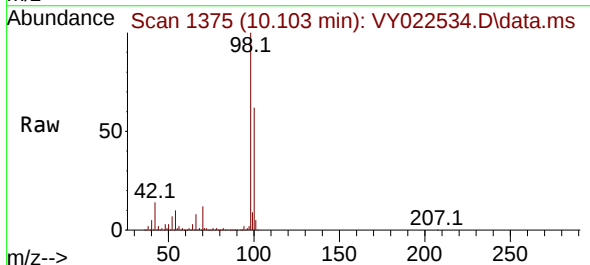
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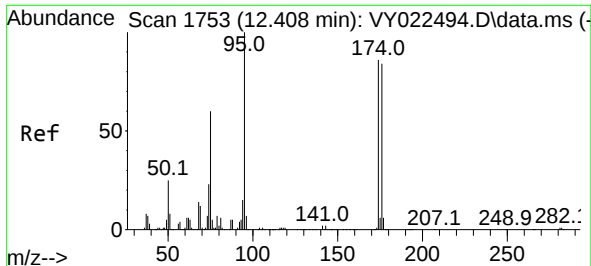
Tgt Ion: 98 Resp: 524997
Ion Ratio Lower Upper
98 100
100 64.1 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.352 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

Tgt Ion: 43 Resp: 2810
Ion Ratio Lower Upper
43 100
58 168.3 30.4 45.6#

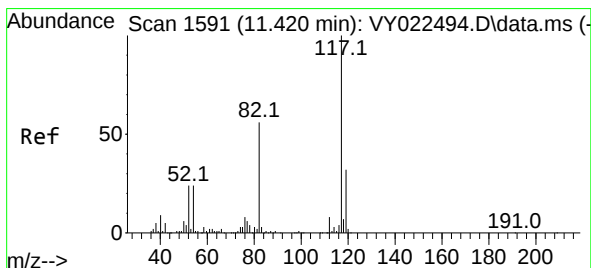
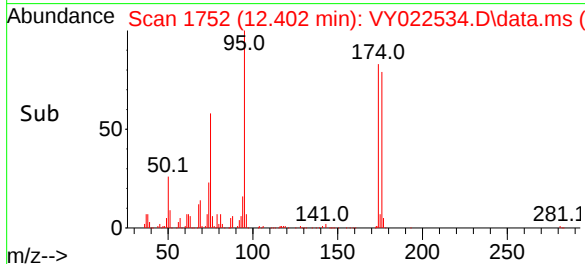
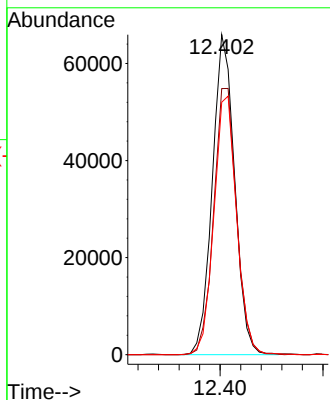
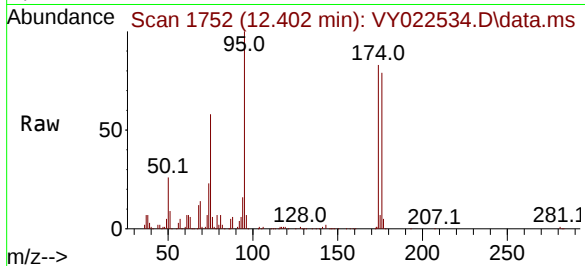




#62
4-Bromofluorobenzene
Concen: 30.820 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

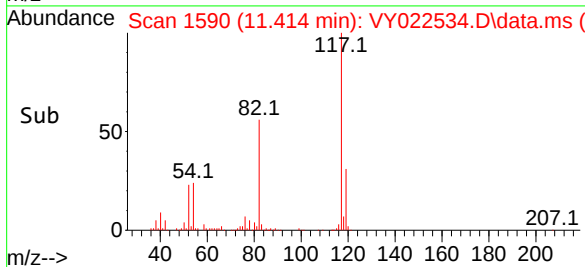
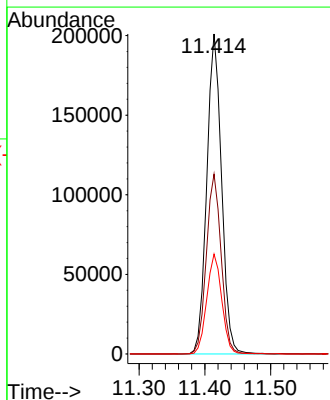
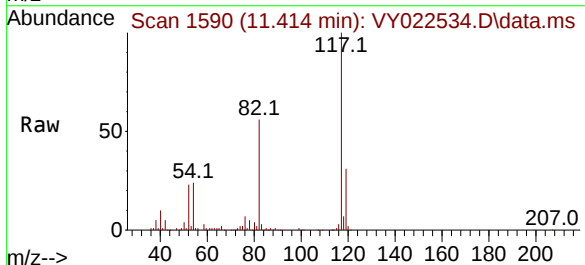
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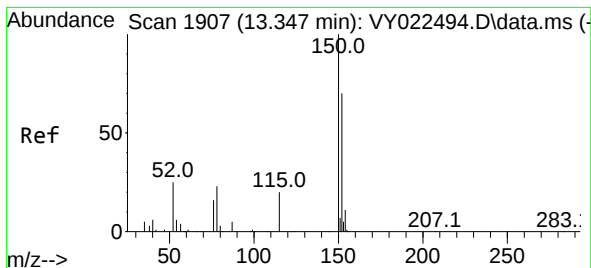
Tgt Ion: 95 Resp: 98946
Ion Ratio Lower Upper
95 100
174 85.6 0.0 170.0
176 82.5 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

Tgt Ion: 117 Resp: 313918
Ion Ratio Lower Upper
117 100
82 56.2 44.6 66.8
119 31.2 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: VY022534.D

Acq: 03 Jun 2025 19:42

Instrument :

MSVOA_Y

ClientSampleId :

B-187-SB00

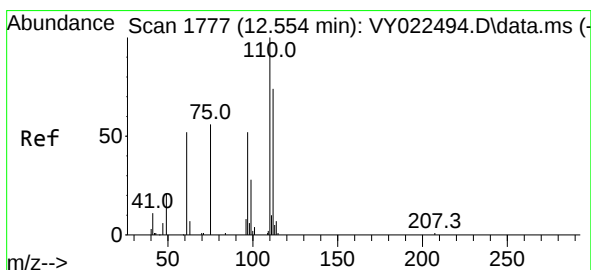
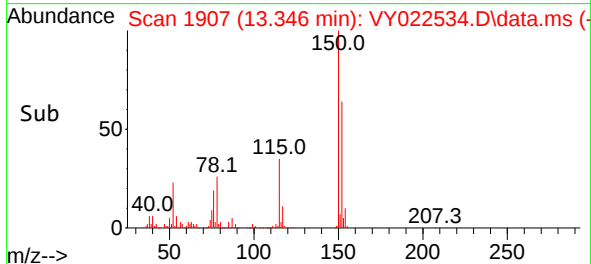
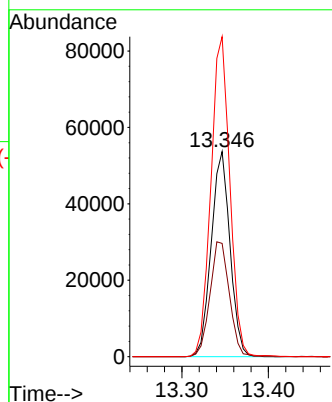
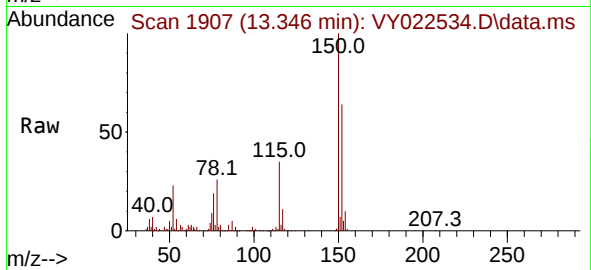
Tgt Ion:152 Resp: 80935

Ion Ratio Lower Upper

152 100

115 57.7 28.9 86.7

150 157.2 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 63.190 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022534.D

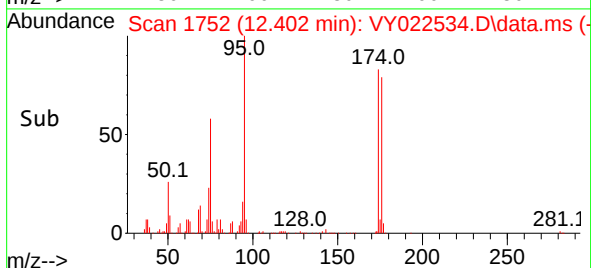
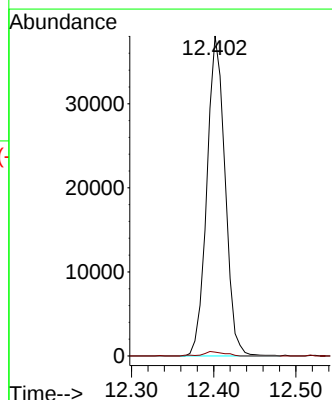
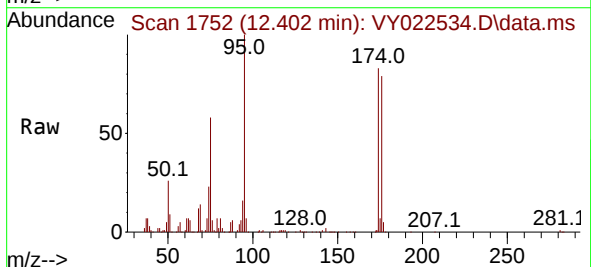
Acq: 03 Jun 2025 19:42

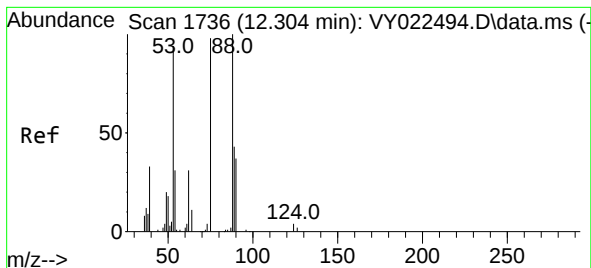
Tgt Ion: 75 Resp: 58509

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 152.599 ug/l

RT: 12.402 min Scan# 11

Delta R.T. 0.097 min

Lab File: VY022534.D

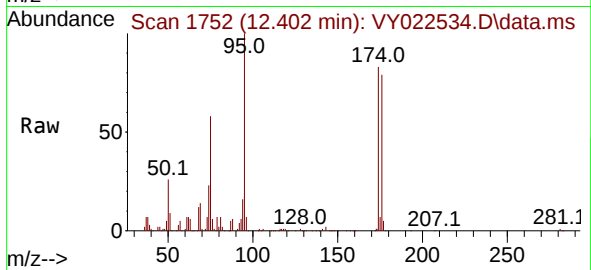
Acq: 03 Jun 2025 19:42

Instrument :

MSVOA_Y

ClientSampleId :

B-187-SB00



Tgt Ion: 75 Resp: 58509

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 35.7 53.5#

