

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090225\
 Data File : VY023264.D
 Acq On : 02 Sep 2025 14:47
 Operator : SY/MD
 Sample : Q2995-01
 Misc : 4.48g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT5427

Quant Time: Sep 03 03:31:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

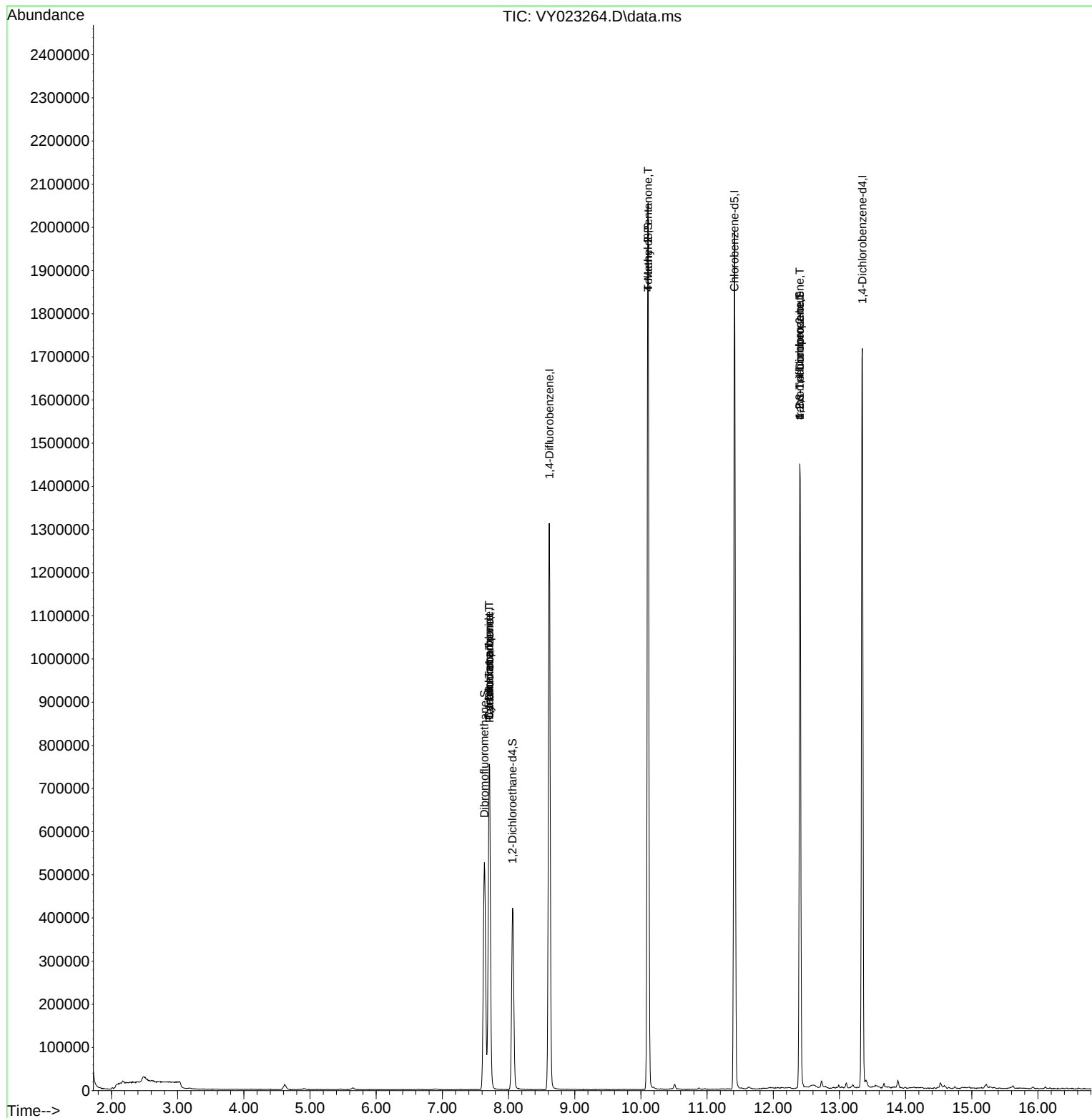
Internal Standards						
1) Pentafluorobenzene	7.713	168	621428	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1173724	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1093463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	468802	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	331335	55.944	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.880%	
35) Dibromofluoromethane	7.634	113	383830	54.652	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.300%	
50) Toluene-d8	10.109	98	1385069	50.482	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.960%	
62) 4-Bromofluorobenzene	12.402	95	444594	50.387	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.780%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.616	84	8518	Below Cal	#	89
31) Cyclohexane	7.707	56	11724	1.063	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	43485	4.166	ug/l #	49
38) Carbon Tetrachloride	7.707	117	58368	5.149	ug/l #	17
51) 4-Methyl-2-Pentanone	10.109	43	5219	1.142	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	220328	48.697	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	220328	117.881	ug/l #	14

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
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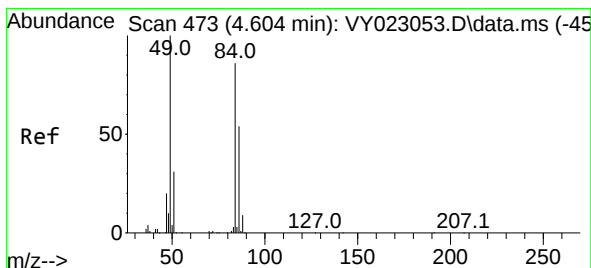
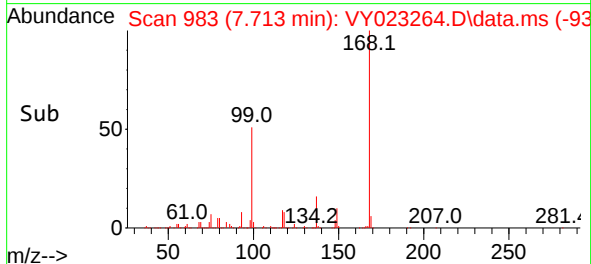
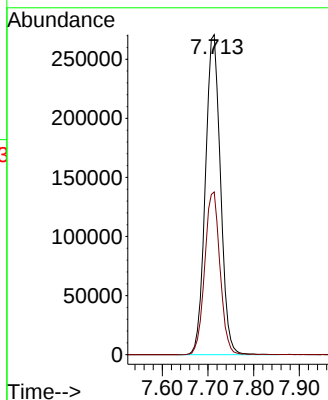
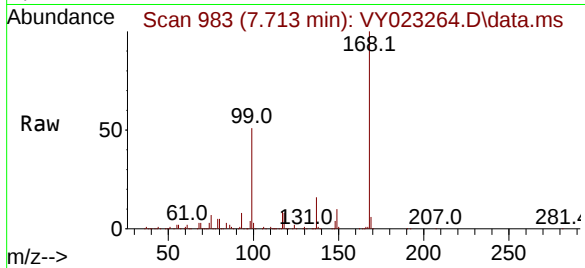




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023264.D
Acq: 02 Sep 2025 14:47

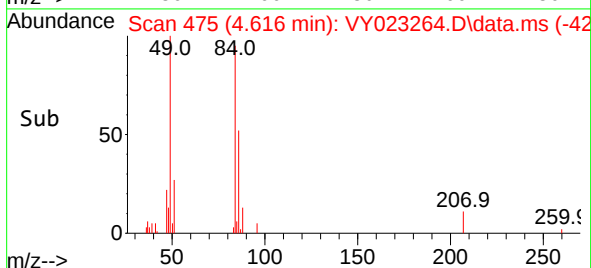
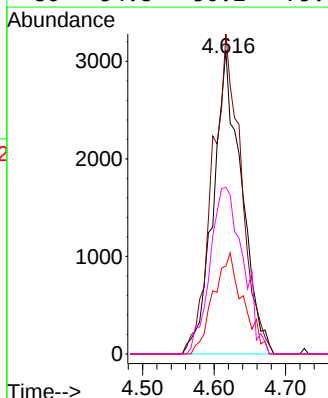
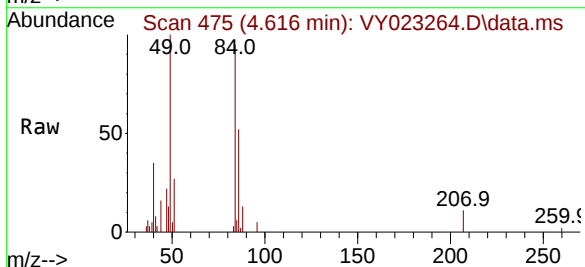
Instrument :
MSVOA_Y
ClientSampleId :
RT5427

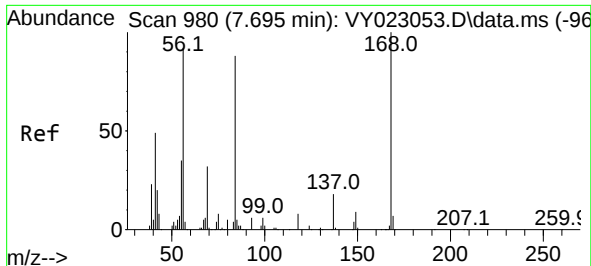
Tgt Ion:168 Resp: 621428
Ion Ratio Lower Upper
168 100
99 50.9 42.8 64.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY023264.D
Acq: 02 Sep 2025 14:47

Tgt Ion: 84 Resp: 8518
Ion Ratio Lower Upper
84 100
49 105.3 93.0 139.6
51 28.9 29.0 43.4#
86 54.8 50.2 75.4

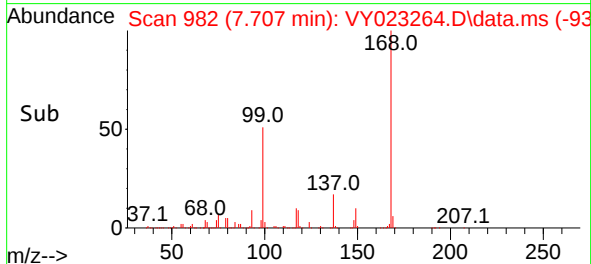
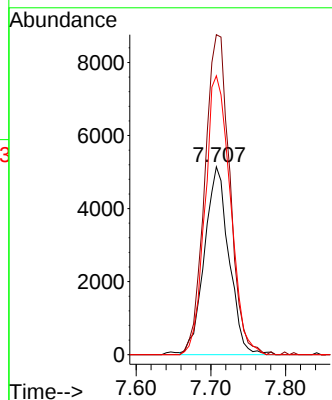
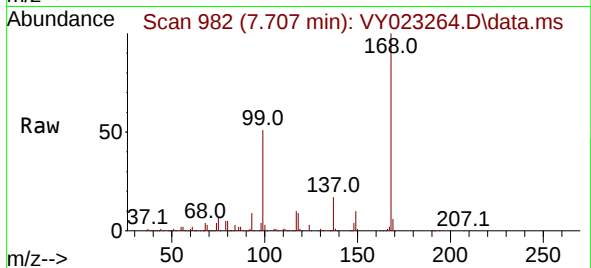




#31
Cyclohexane
Concen: 1.063 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023264.D
Acq: 02 Sep 2025 14:47

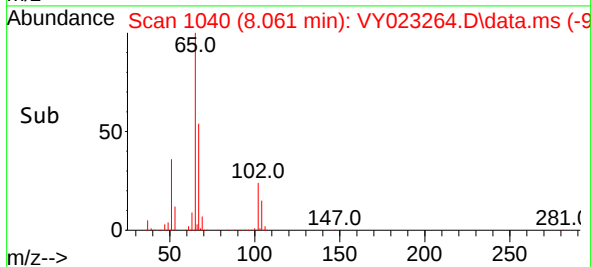
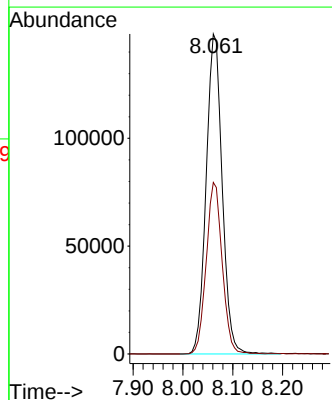
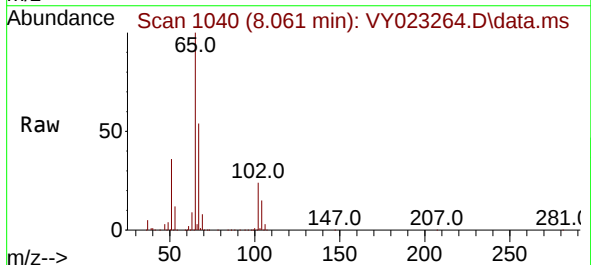
Instrument :
MSVOA_Y
ClientSampleId :
RT5427

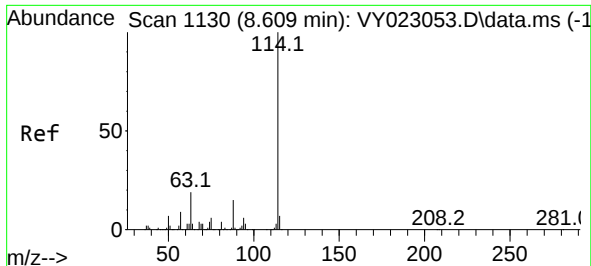
Tgt Ion: 56 Resp: 11724
Ion Ratio Lower Upper
56 100
69 170.4 28.2 42.2#
84 148.5 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 55.944 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023264.D
Acq: 02 Sep 2025 14:47

Tgt Ion: 65 Resp: 331335
Ion Ratio Lower Upper
65 100
67 53.4 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023264.D

Acq: 02 Sep 2025 14:47

Instrument :

MSVOA_Y

ClientSampleId :

RT5427

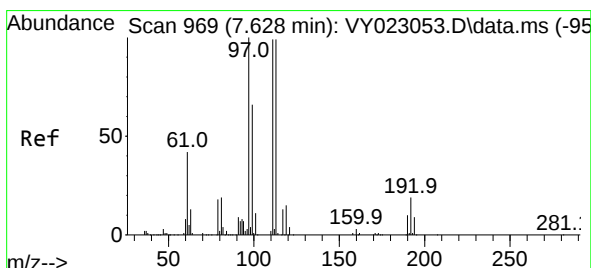
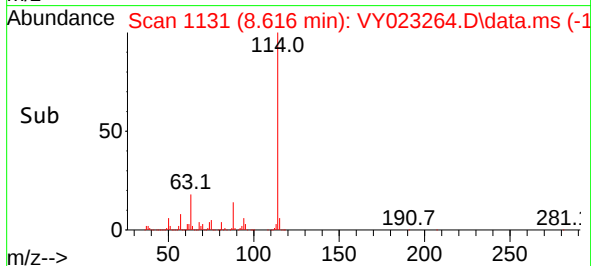
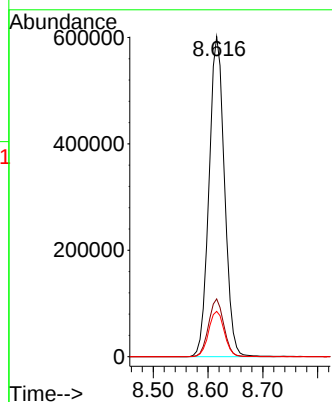
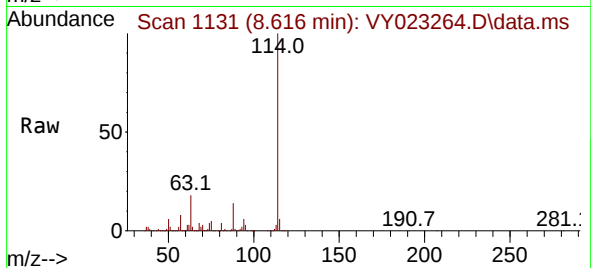
Tgt Ion:114 Resp: 1173724

Ion Ratio Lower Upper

114 100

63 18.0 0.0 38.4

88 14.1 0.0 30.0



#35

Dibromofluoromethane

Concen: 54.652 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023264.D

Acq: 02 Sep 2025 14:47

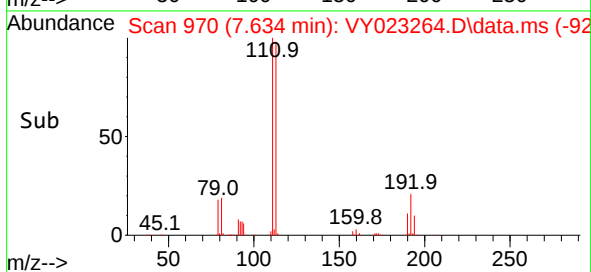
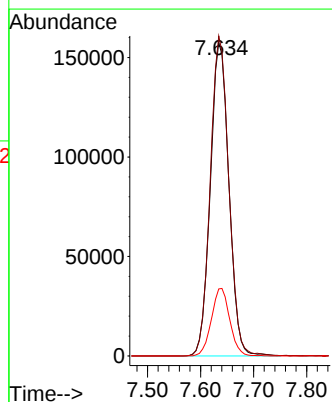
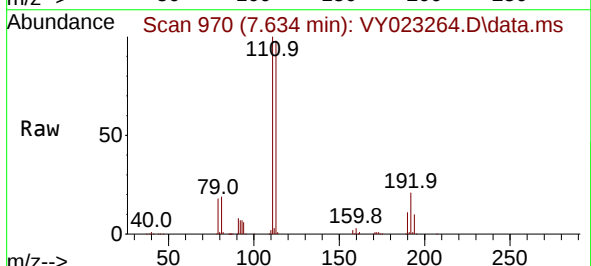
Tgt Ion:113 Resp: 383830

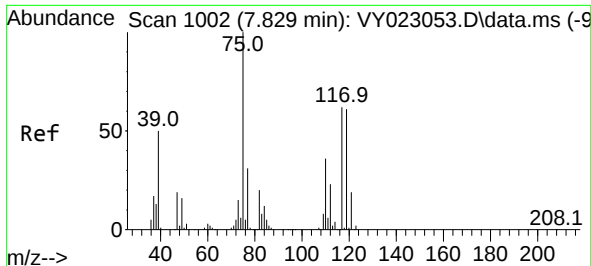
Ion Ratio Lower Upper

113 100

111 102.0 81.1 121.7

192 21.3 16.2 24.4

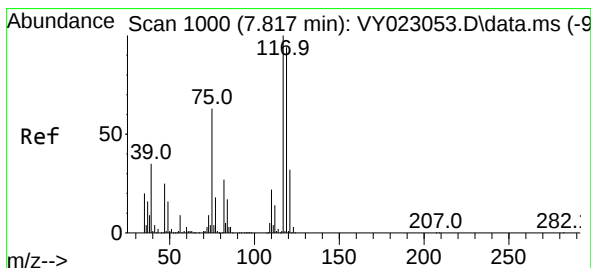
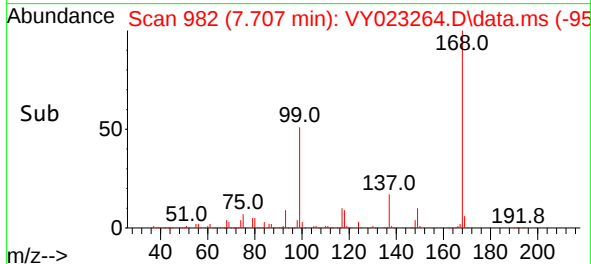
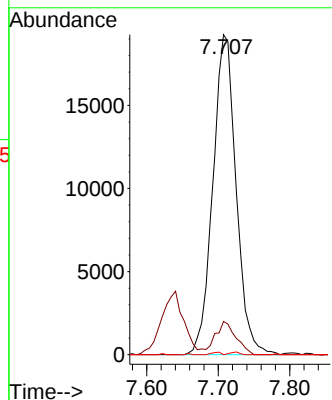
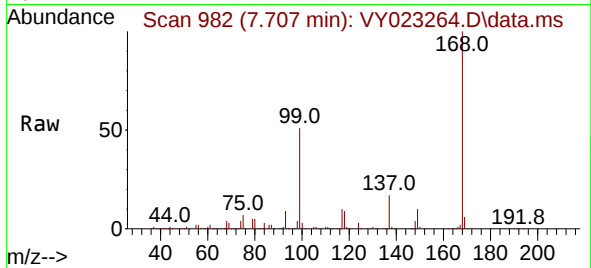




#36
 1,1-Dichloropropene
 Concen: 4.166 ug/l
 RT: 7.707 min Scan# 91
 Delta R.T. -0.122 min
 Lab File: VY023264.D
 Acq: 02 Sep 2025 14:47

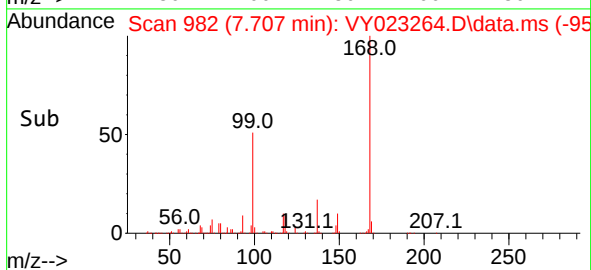
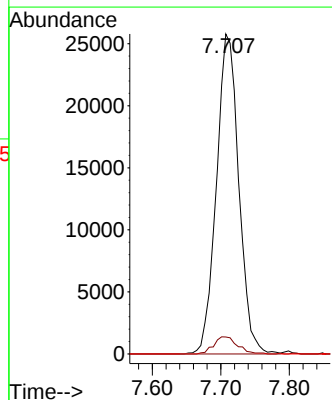
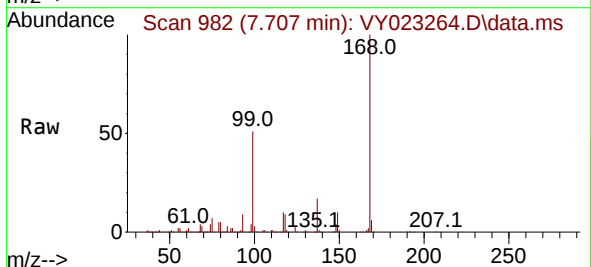
Instrument :
 MSVOA_Y
 ClientSampleId :
 RT5427

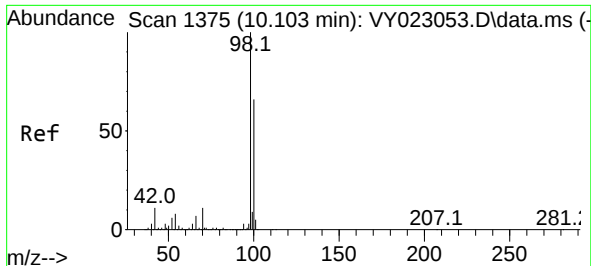
Tgt Ion: 75 Resp: 43485
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.1 54.4#
 77 0.3 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.149 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.110 min
 Lab File: VY023264.D
 Acq: 02 Sep 2025 14:47

Tgt Ion: 117 Resp: 58368
 Ion Ratio Lower Upper
 117 100
 119 5.3 75.6 113.4#
 121 0.0 25.8 38.8#

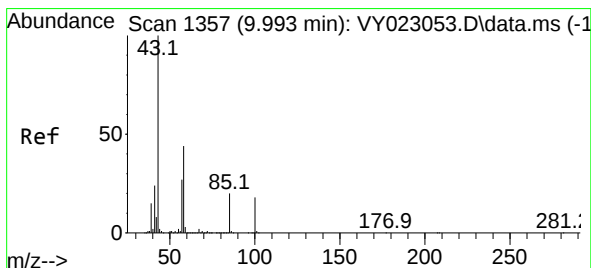
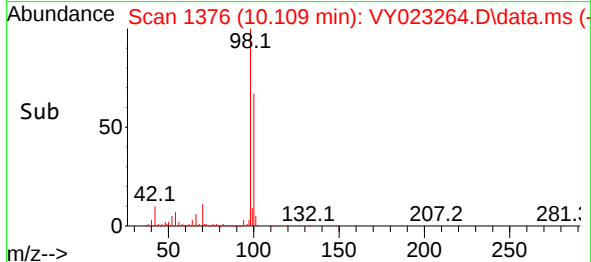
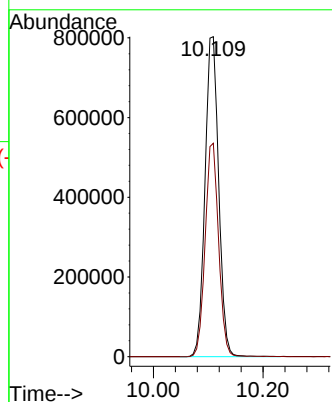
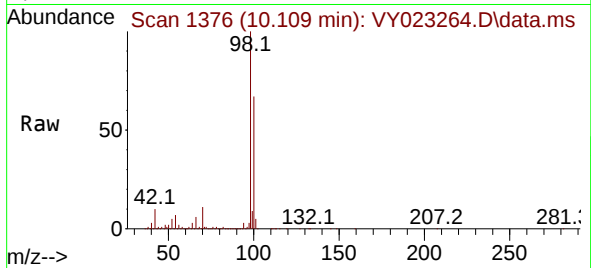




#50
Toluene-d8
Concen: 50.482 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023264.D
Acq: 02 Sep 2025 14:47

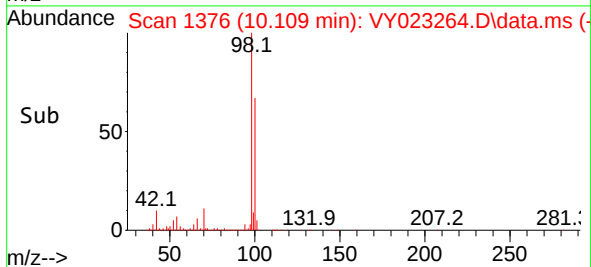
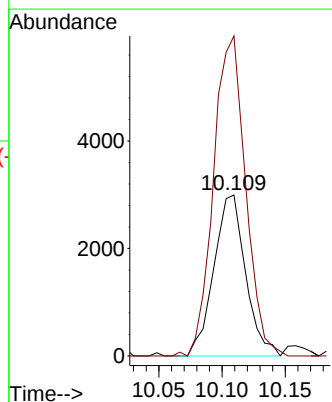
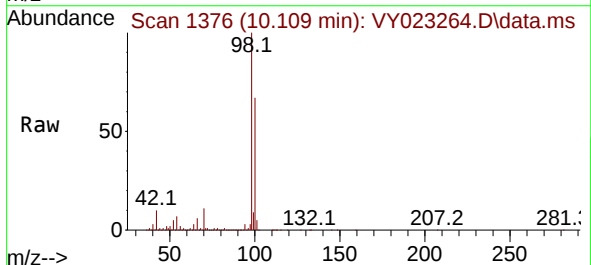
Instrument :
MSVOA_Y
ClientSampleId :
RT5427

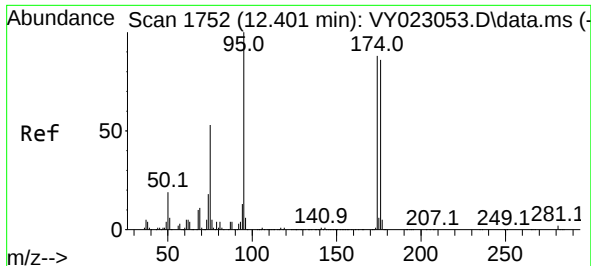
Tgt Ion: 98 Resp: 1385069
Ion Ratio Lower Upper
98 100
100 65.6 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.142 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.116 min
Lab File: VY023264.D
Acq: 02 Sep 2025 14:47

Tgt Ion: 43 Resp: 5219
Ion Ratio Lower Upper
43 100
58 201.1 33.5 50.3#

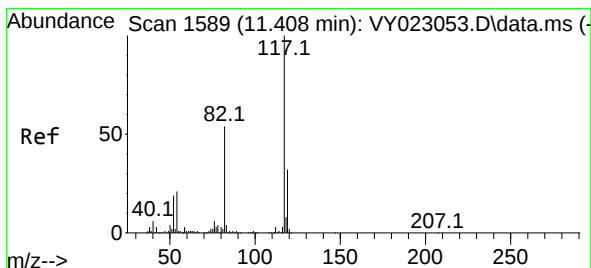
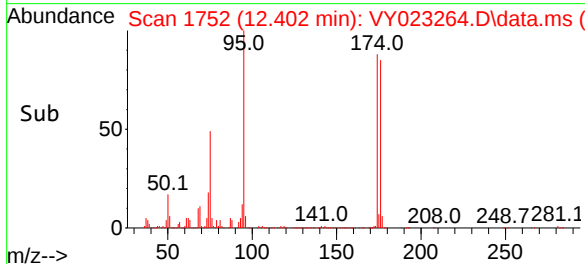
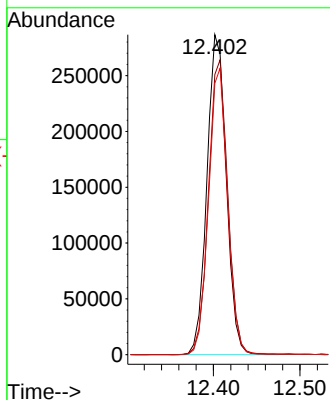
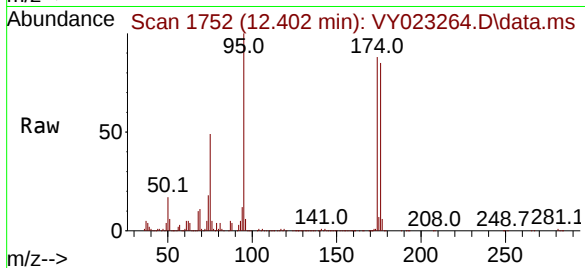




#62
4-Bromofluorobenzene
Concen: 50.387 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023264.D
Acq: 02 Sep 2025 14:47

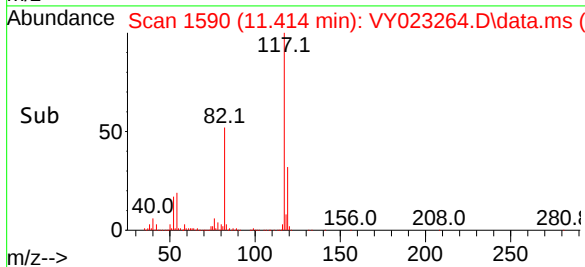
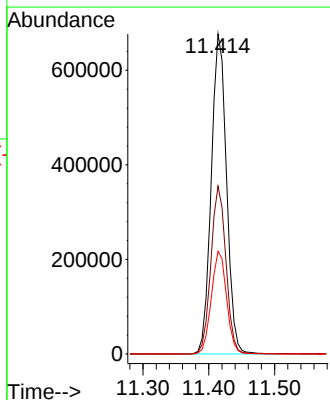
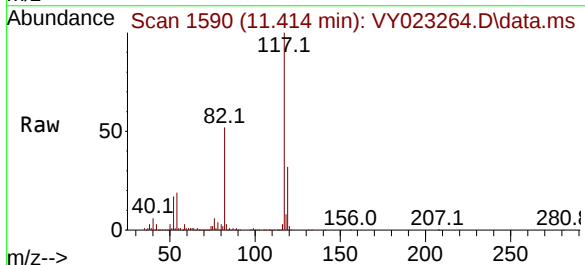
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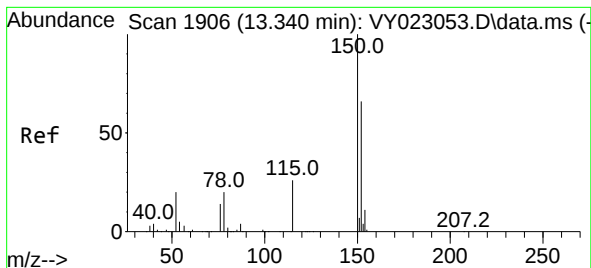
Tgt Ion: 95 Resp: 444594
Ion Ratio Lower Upper
95 100
174 91.8 0.0 171.6
176 88.5 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023264.D
Acq: 02 Sep 2025 14:47

Tgt Ion: 117 Resp: 1093463
Ion Ratio Lower Upper
117 100
82 52.4 43.4 65.0
119 32.1 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY023264.D

Acq: 02 Sep 2025 14:47

Instrument :

MSVOA_Y

ClientSampleId :

RT5427

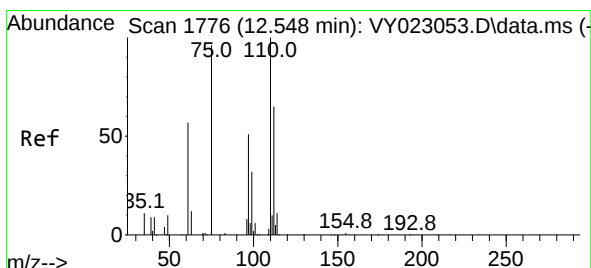
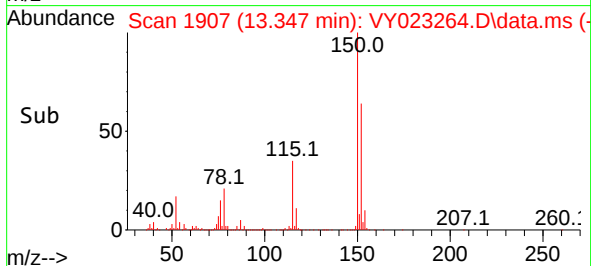
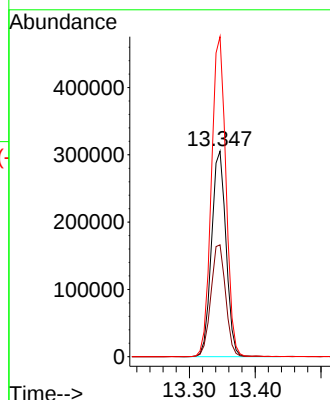
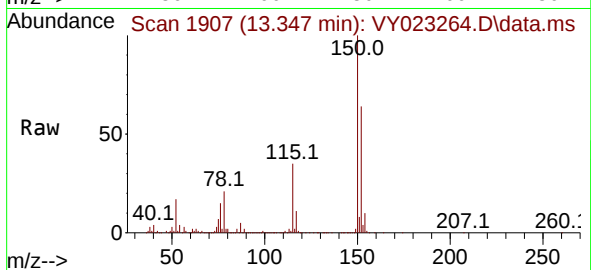
Tgt Ion:152 Resp: 468802

Ion Ratio Lower Upper

152 100

115 55.3 28.2 84.6

150 156.2 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 48.697 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023264.D

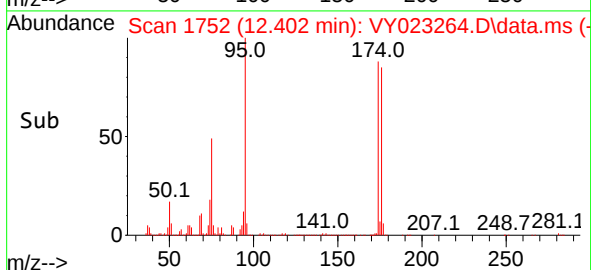
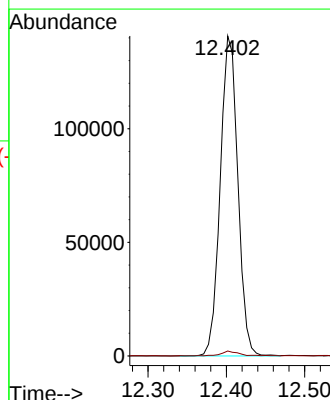
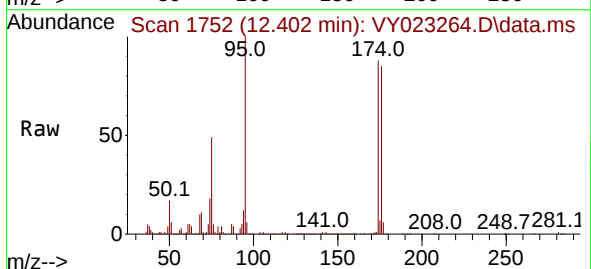
Acq: 02 Sep 2025 14:47

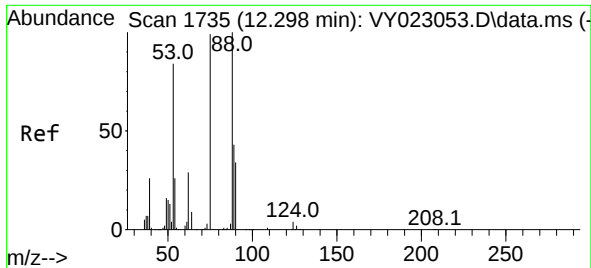
Tgt Ion: 75 Resp: 220328

Ion Ratio Lower Upper

75 100

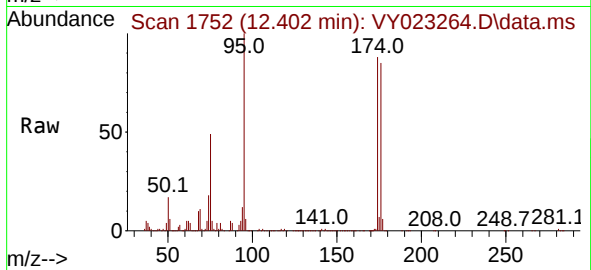
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 117.881 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023264.D
 Acq: 02 Sep 2025 14:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT5427



Tgt Ion: 75 Resp: 220328

Ion	Ratio	Lower	Upper
75	100		
53	0.2	70.8	106.2#
89	0.0	38.1	57.1#

