

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023127.D
 Acq On : 15 Aug 2025 15:58
 Operator : SY/MD
 Sample : Q2832-09
 Misc : 3.40g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TG-S05

Quant Time: Aug 18 02:30:52 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)

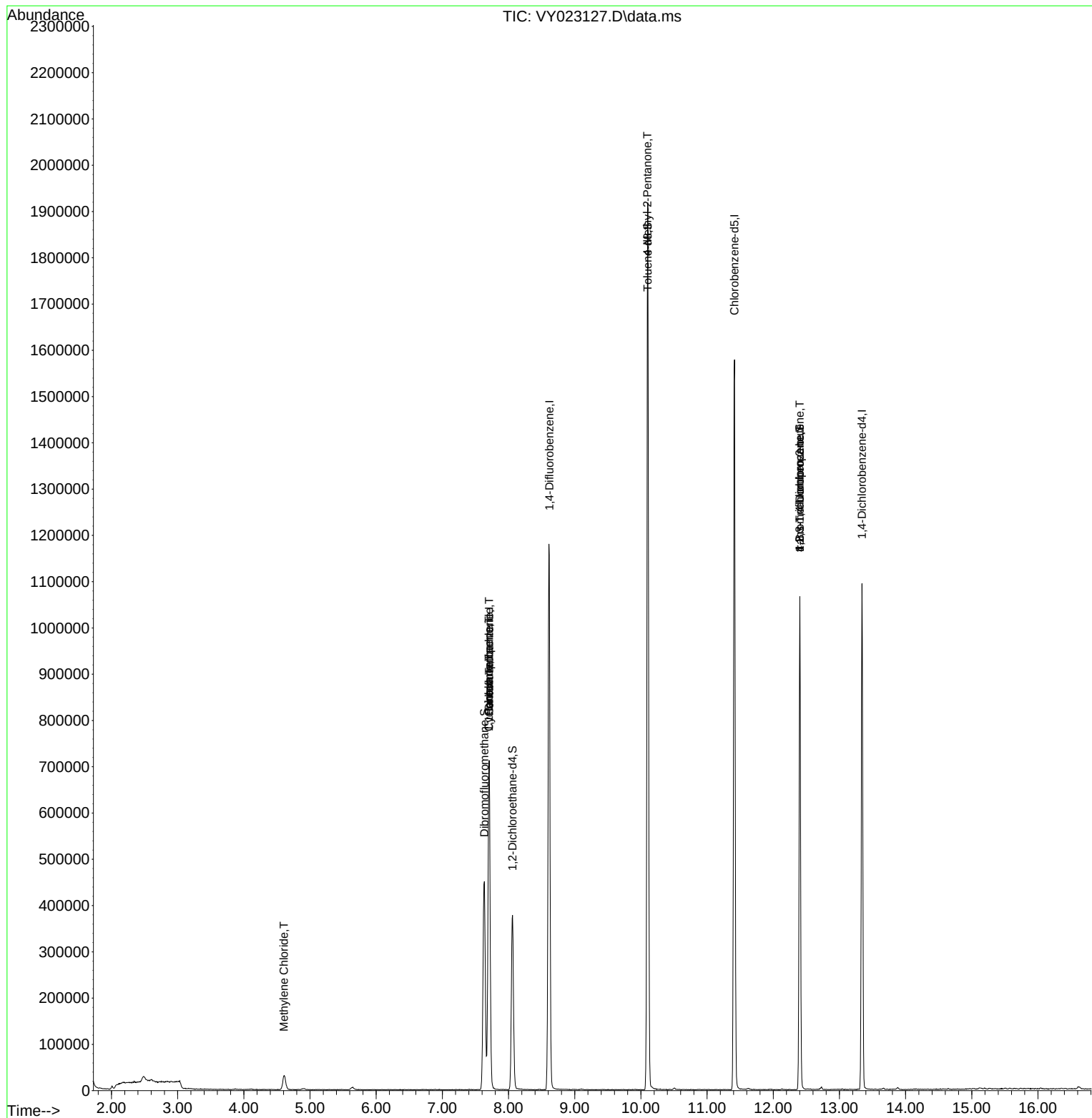
Internal Standards						
1) Pentafluorobenzene	7.707	168	551145	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1030444	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	844477	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	274172	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	302583	57.604	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.200%
35) Dibromofluoromethane	7.634	113	325447	52.782	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.560%
50) Toluene-d8	10.103	98	1228191	50.989	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.980%
62) 4-Bromofluorobenzene	12.401	95	308762	39.858	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.720%
Target Compounds						Qvalue
20) Methylene Chloride	4.604	84	23405	1.311	ug/l	95
31) Cyclohexane	7.701	56	11821	1.208	ug/l #	1
36) 1,1-Dichloropropene	7.701	75	43769	4.777	ug/l #	50
38) Carbon Tetrachloride	7.707	117	55340	5.560	ug/l #	16
51) 4-Methyl-2-Pentanone	10.097	43	5658	1.410	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	164249	62.073	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	164249	150.260	ug/l #	14

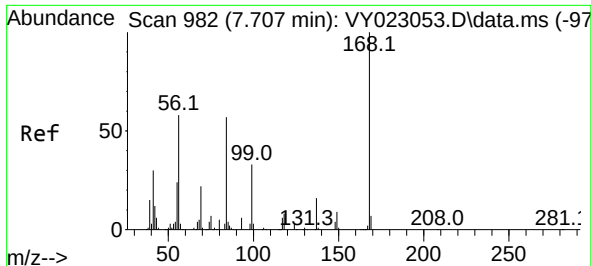
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

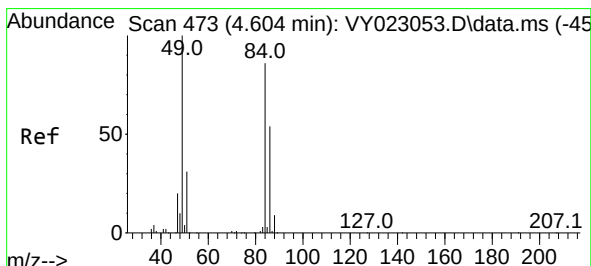
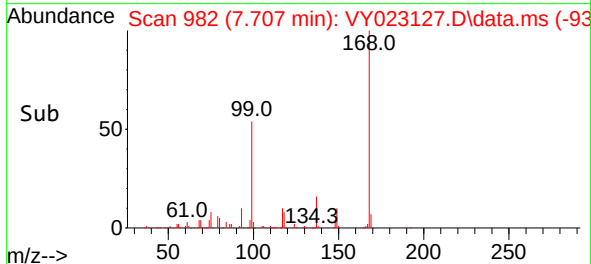
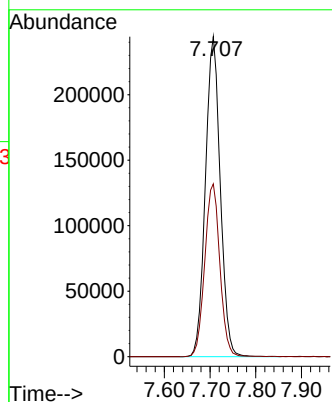
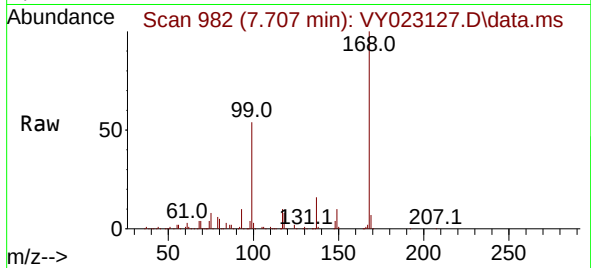




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023127.D
Acq: 15 Aug 2025 15:58

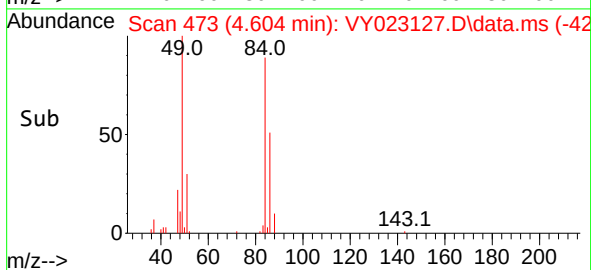
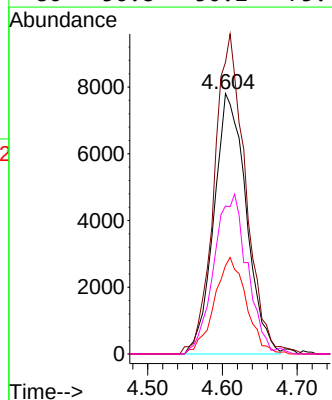
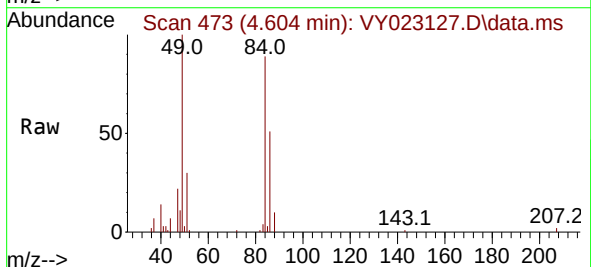
Instrument :
MSVOA_Y
ClientSampleId :
TG-S05

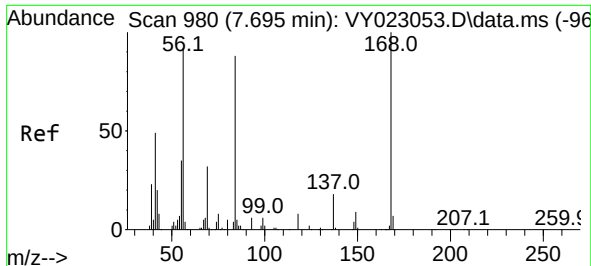
Tgt Ion:168 Resp: 551145
Ion Ratio Lower Upper
168 100
99 54.0 42.8 64.2



#20
Methylene Chloride
Concen: 1.311 ug/l
RT: 4.604 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY023127.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 84 Resp: 23405
Ion Ratio Lower Upper
84 100
49 111.9 93.0 139.6
51 33.9 29.0 43.4
86 56.8 50.2 75.4

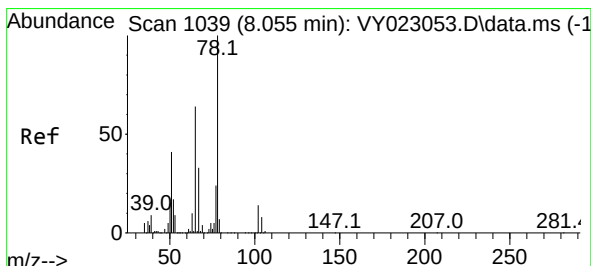
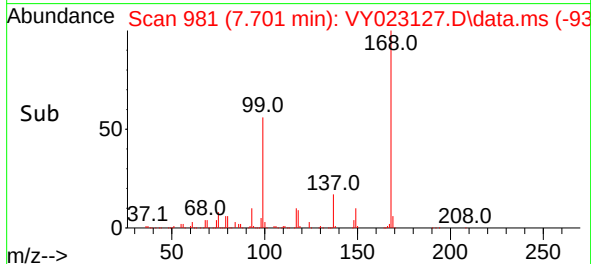
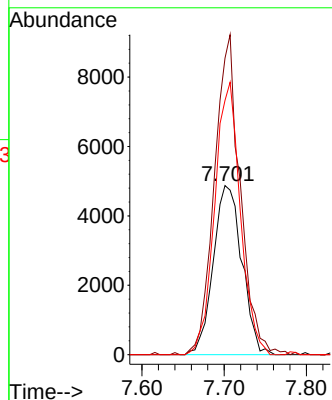
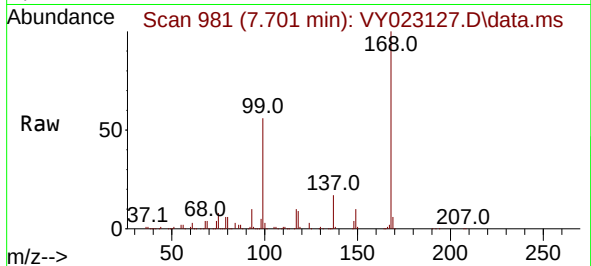




#31
Cyclohexane
Concen: 1.208 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023127.D
Acq: 15 Aug 2025 15:58

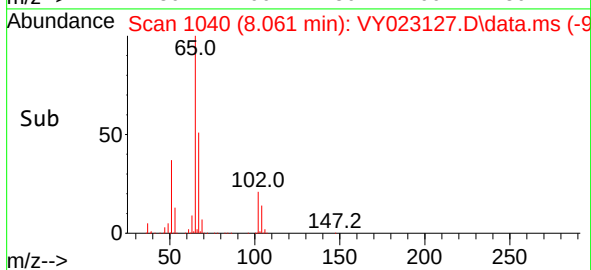
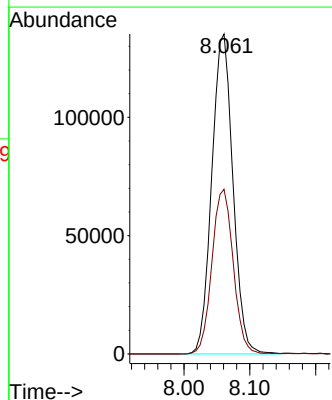
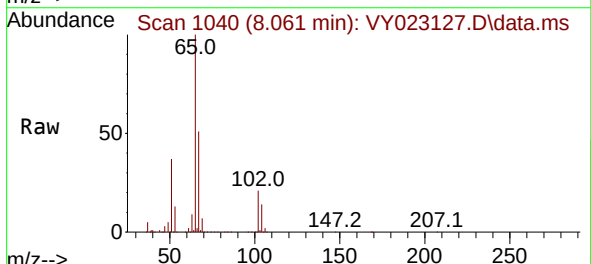
Instrument :
MSVOA_Y
ClientSampleId :
TG-S05

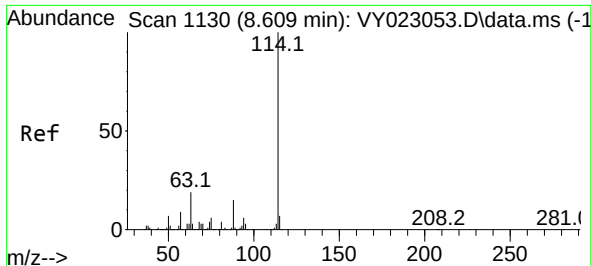
Tgt Ion: 56 Resp: 11821
Ion Ratio Lower Upper
56 100
69 175.3 28.2 42.2#
84 150.2 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 57.604 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023127.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 65 Resp: 302583
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.8

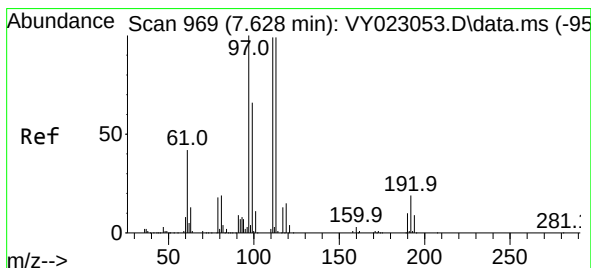
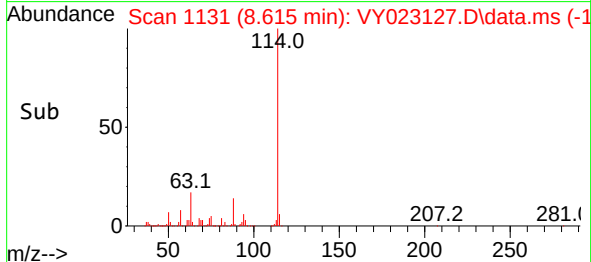
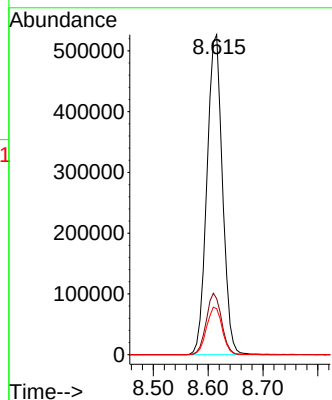
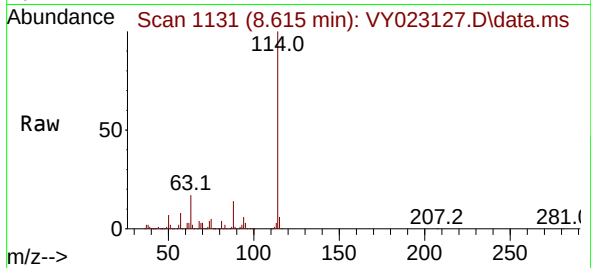




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023127.D
Acq: 15 Aug 2025 15:58

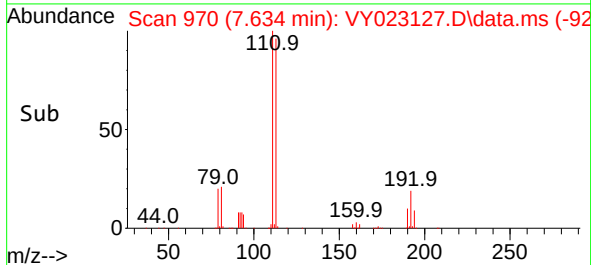
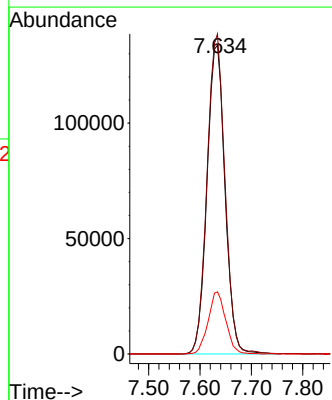
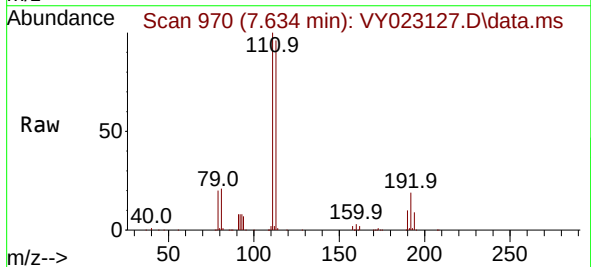
Instrument :
MSVOA_Y
ClientSampleId :
TG-S05

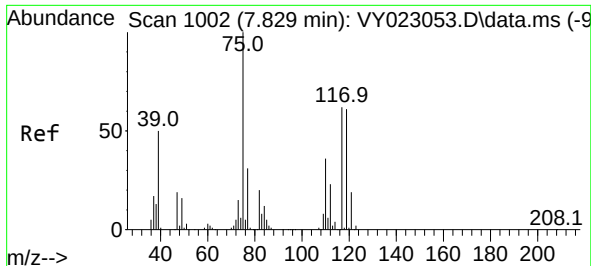
Tgt Ion:114 Resp: 1030444
Ion Ratio Lower Upper
114 100
63 17.5 0.0 38.4
88 14.3 0.0 30.0



#35
Dibromofluoromethane
Concen: 52.782 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023127.D
Acq: 15 Aug 2025 15:58

Tgt Ion:113 Resp: 325447
Ion Ratio Lower Upper
113 100
111 103.1 81.1 121.7
192 19.7 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.777 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY023127.D

Acq: 15 Aug 2025 15:58

Instrument :

MSVOA_Y

ClientSampleId :

TG-S05

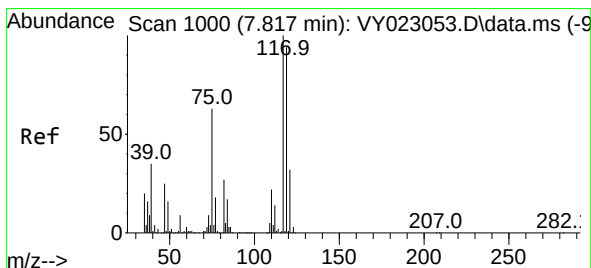
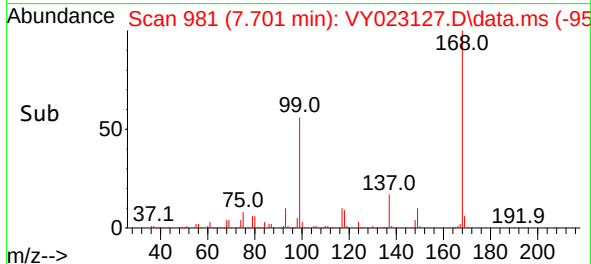
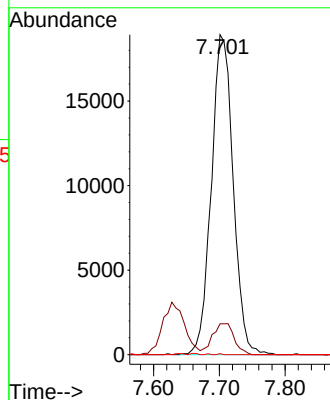
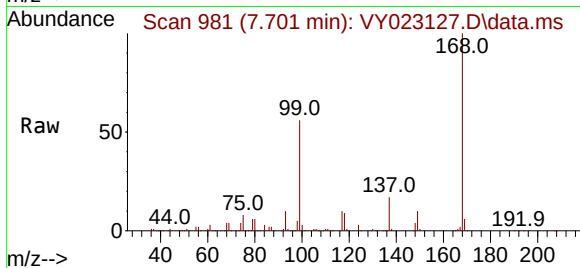
Tgt Ion: 75 Resp: 43769

Ion Ratio Lower Upper

75 100

110 9.7 18.1 54.4#

77 0.1 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.560 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023127.D

Acq: 15 Aug 2025 15:58

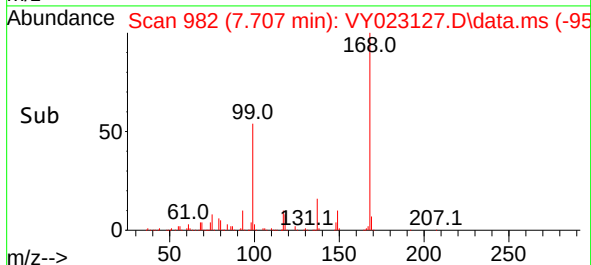
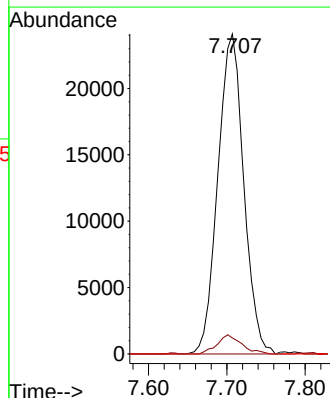
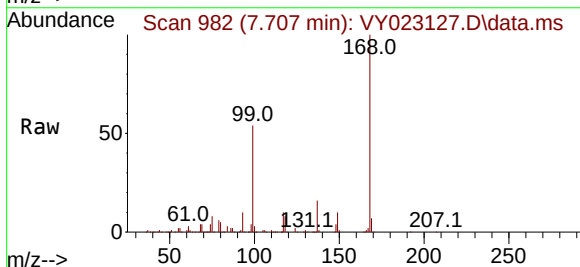
Tgt Ion: 117 Resp: 55340

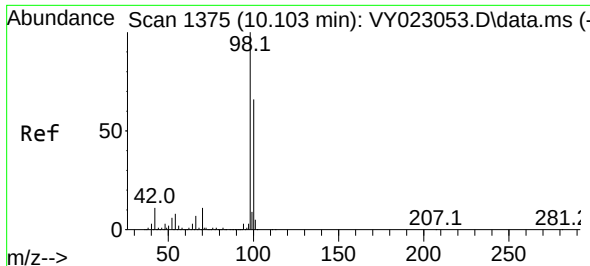
Ion Ratio Lower Upper

117 100

119 5.0 75.6 113.4#

121 0.0 25.8 38.8#

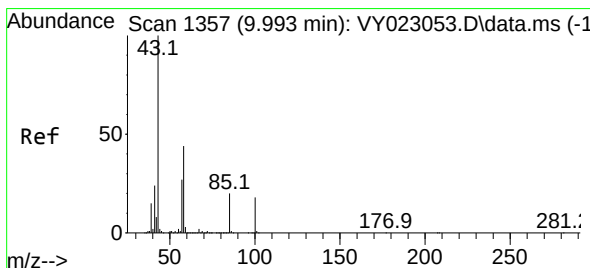
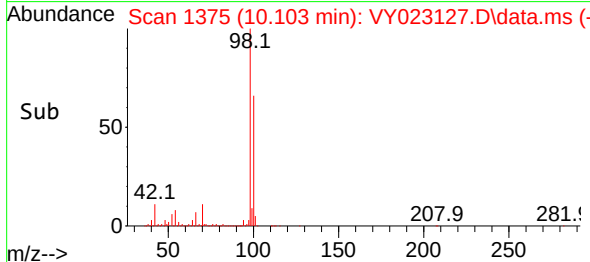
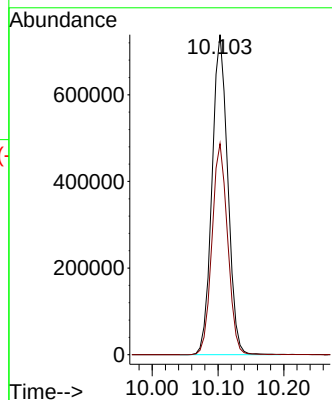
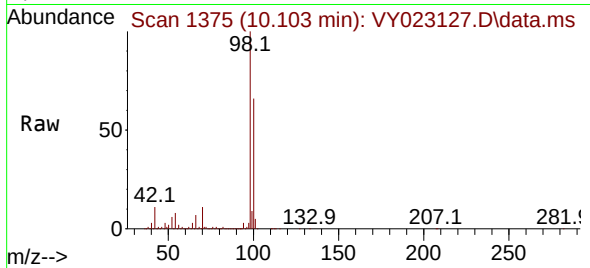




#50
Toluene-d8
Concen: 50.989 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023127.D
Acq: 15 Aug 2025 15:58

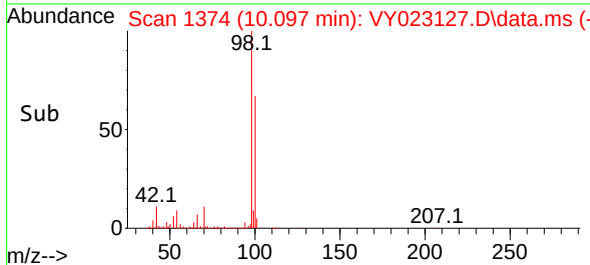
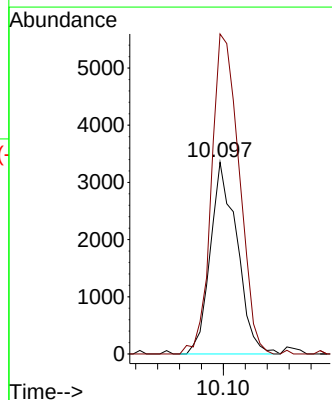
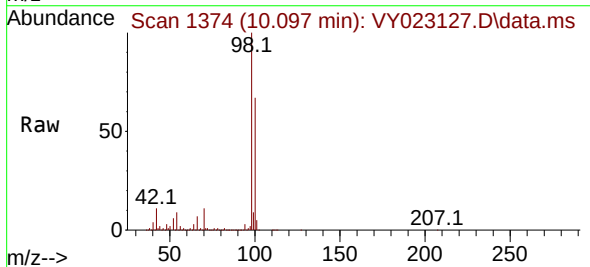
Instrument :
MSVOA_Y
ClientSampleId :
TG-S05

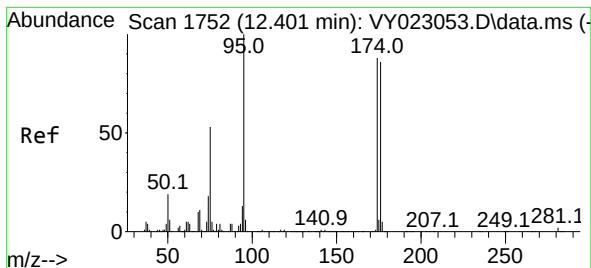
Tgt Ion: 98 Resp: 1228191
Ion Ratio Lower Upper
98 100
100 65.6 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.410 ug/l
RT: 10.097 min Scan# 1374
Delta R.T. 0.104 min
Lab File: VY023127.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 43 Resp: 5658
Ion Ratio Lower Upper
43 100
58 173.8 33.5 50.3#

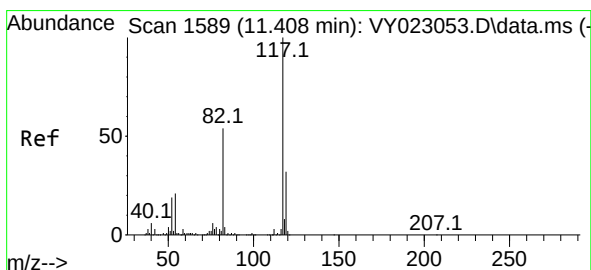
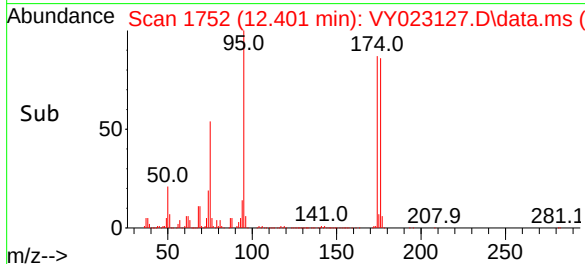
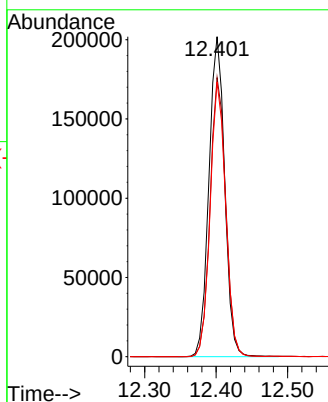
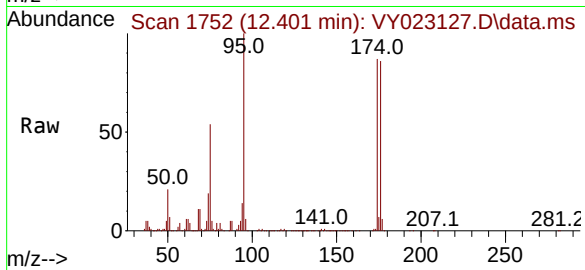




#62
4-Bromofluorobenzene
Concen: 39.858 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023127.D
Acq: 15 Aug 2025 15:58

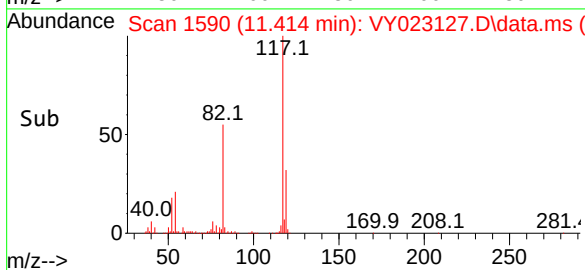
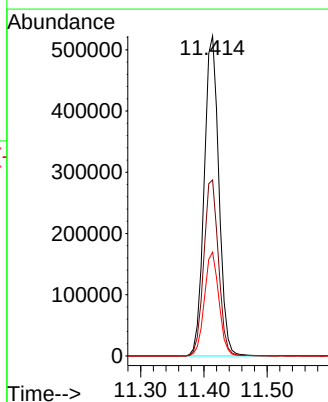
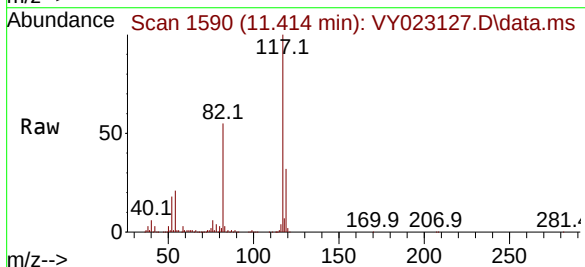
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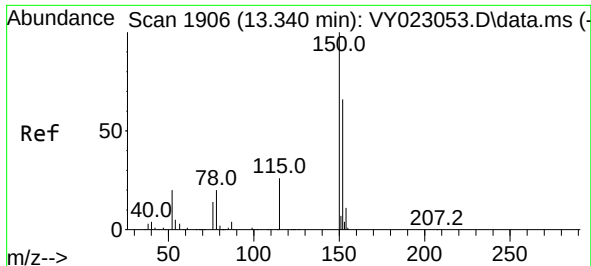
Tgt Ion: 95 Resp: 308762
Ion Ratio Lower Upper
95 100
174 86.6 0.0 171.6
176 84.3 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023127.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 117 Resp: 844477
Ion Ratio Lower Upper
117 100
82 55.0 43.4 65.0
119 32.5 25.6 38.4

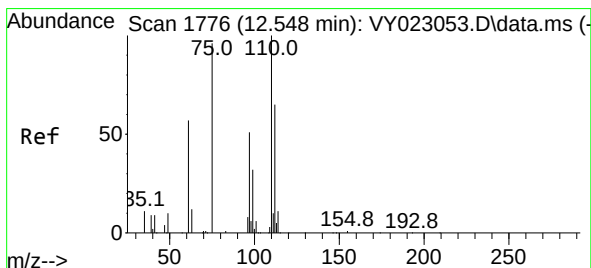
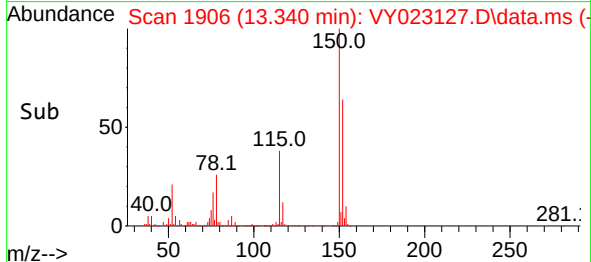
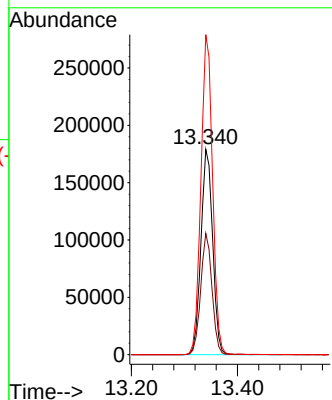
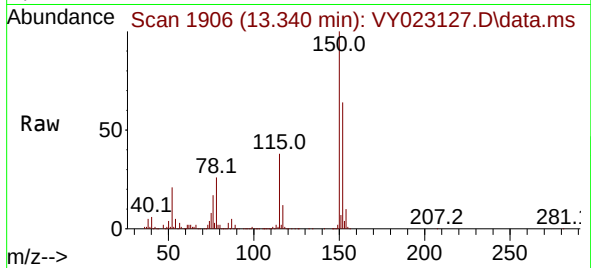




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.340 min Scan# 1906
 Delta R.T. -0.000 min
 Lab File: VY023127.D
 Acq: 15 Aug 2025 15:58

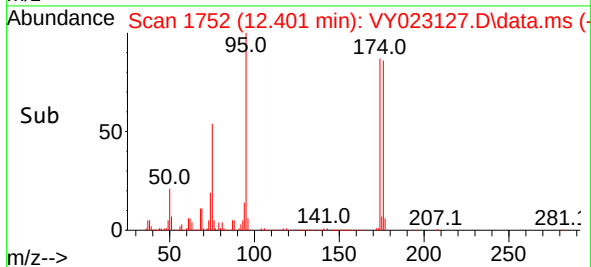
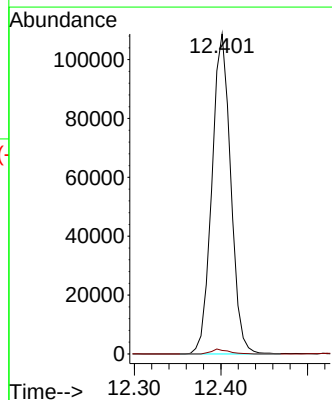
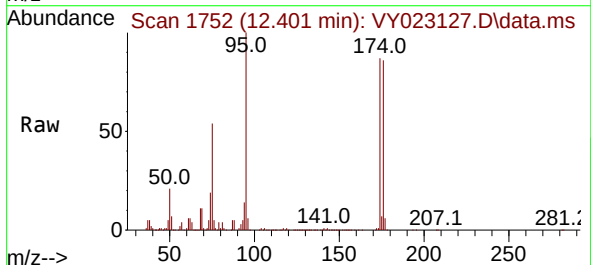
Instrument :
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 TG-S05

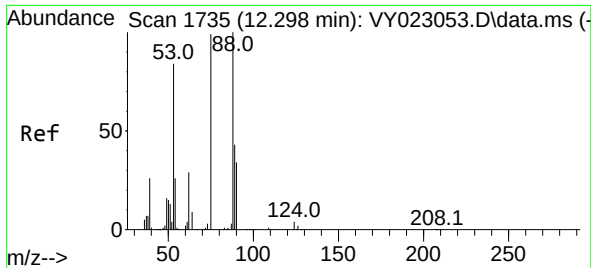
Tgt Ion:152 Resp: 274172
 Ion Ratio Lower Upper
 152 100
 115 57.0 28.2 84.6
 150 154.8 0.0 348.0



#76
 1,2,3-Trichloropropane
 Concen: 62.073 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.146 min
 Lab File: VY023127.D
 Acq: 15 Aug 2025 15:58

Tgt Ion: 75 Resp: 164249
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 150.260 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023127.D
 Acq: 15 Aug 2025 15:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 TG-S05

Tgt Ion: 75 Resp: 164249
 Ion Ratio Lower Upper
 75 100
 53 0.2 70.8 106.2#
 89 0.0 38.1 57.1#

