

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023124.D
 Acq On : 15 Aug 2025 14:47
 Operator : SY/MD
 Sample : Q2832-03
 Misc : 4.64g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TG-S02

Quant Time: Aug 18 02:29:52 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)

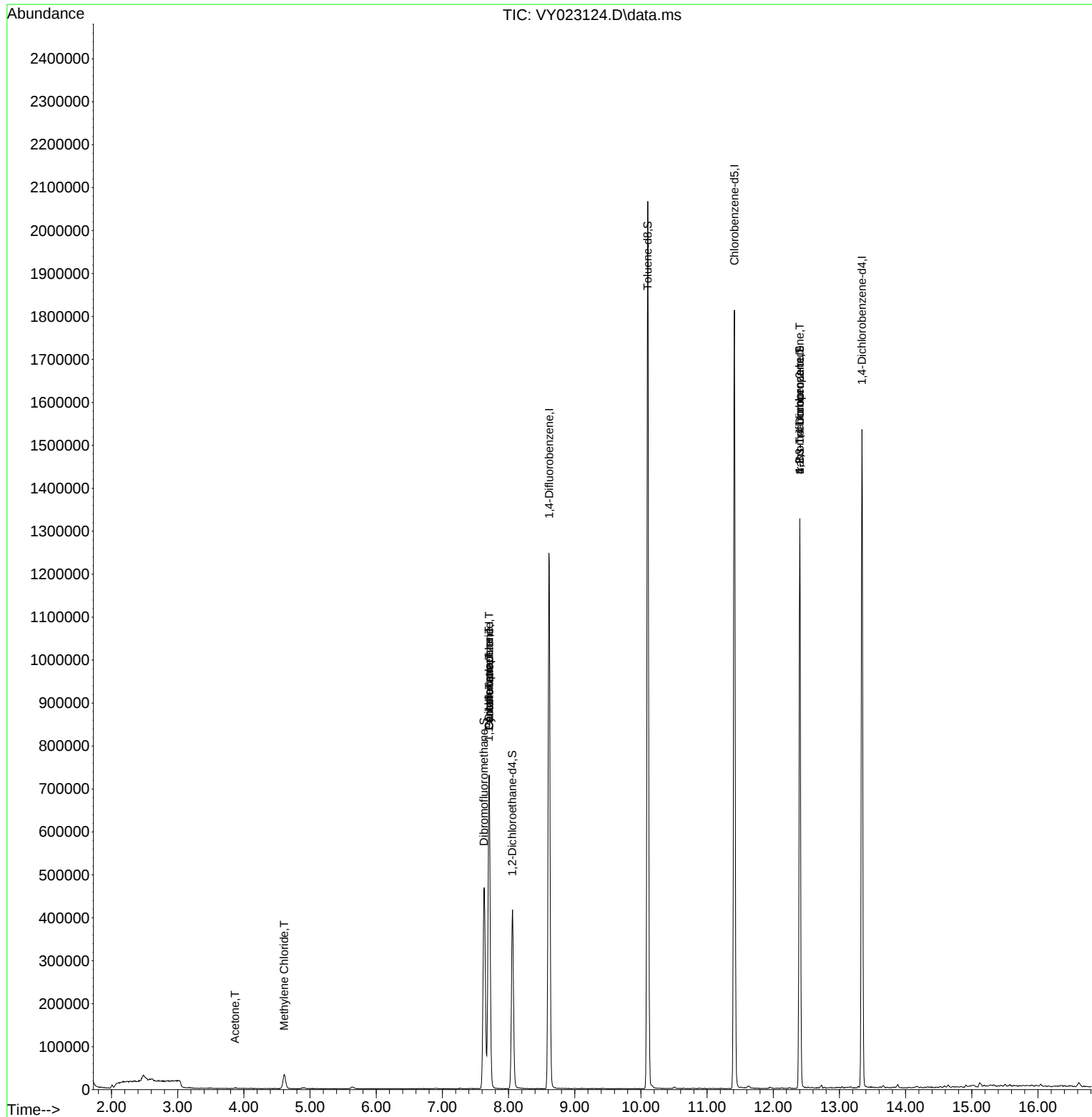
Internal Standards						
1) Pentafluorobenzene	7.707	168	570487	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1076714	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	962307	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	380373	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	322028	59.228	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.460%	
35) Dibromofluoromethane	7.628	113	335608	52.091	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.180%	
50) Toluene-d8	10.103	98	1306653	51.915	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.840%	
62) 4-Bromofluorobenzene	12.401	95	384788	47.538	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.080%	
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	1963	1.666	ug/l #	82
20) Methylene Chloride	4.610	84	24265	1.318	ug/l	93
31) Cyclohexane	7.707	56	12239	1.209	ug/l #	20
36) 1,1-Dichloropropene	7.701	75	44523	4.650	ug/l #	49
38) Carbon Tetrachloride	7.707	117	57534	5.532	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	207585	56.547	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	207585	136.883	ug/l #	14

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

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Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

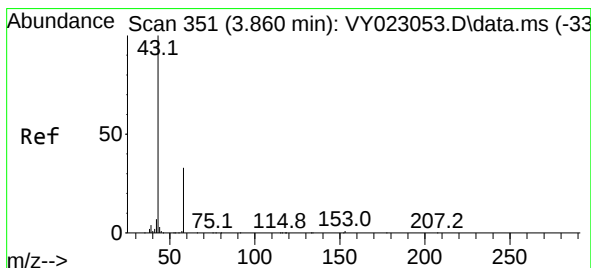
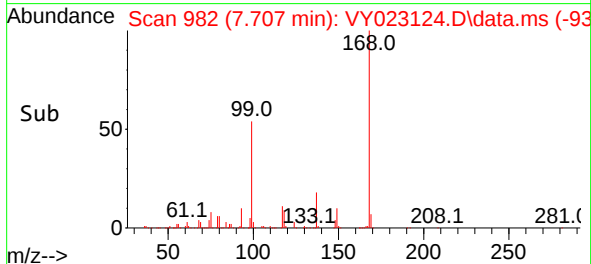
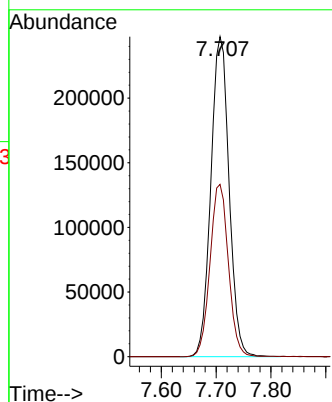
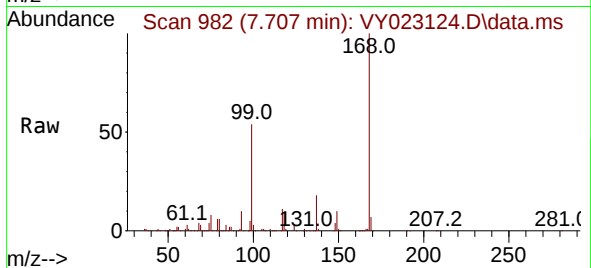




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023124.D
Acq: 15 Aug 2025 14:47

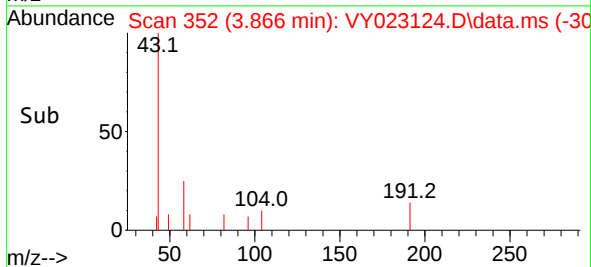
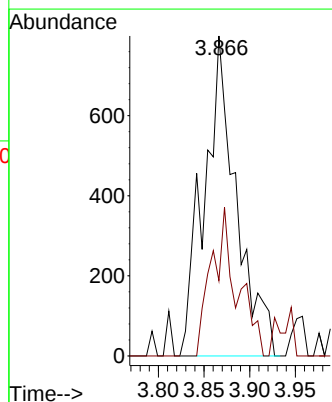
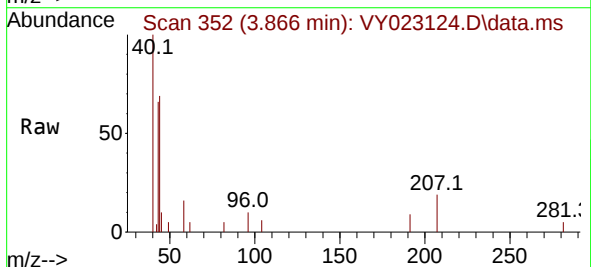
Instrument :
MSVOA_Y
ClientSampleId :
TG-S02

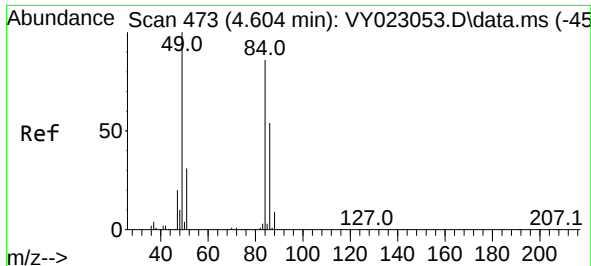
Tgt Ion:168 Resp: 570487
Ion Ratio Lower Upper
168 100
99 53.9 42.8 64.2



#16
Acetone
Concen: 1.666 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023124.D
Acq: 15 Aug 2025 14:47

Tgt Ion: 43 Resp: 1963
Ion Ratio Lower Upper
43 100
58 23.5 27.1 40.7#

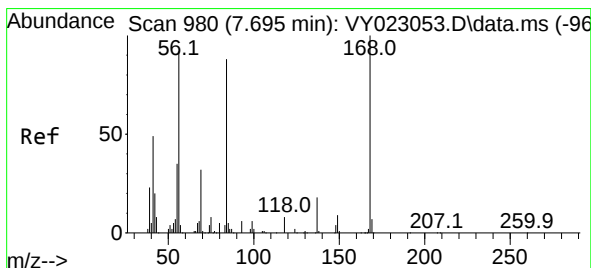
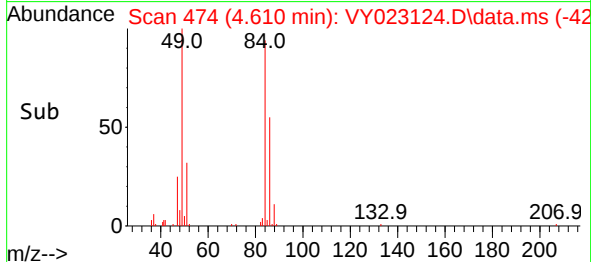
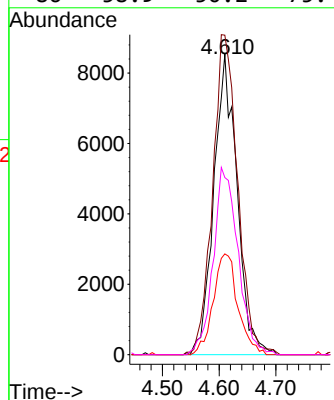
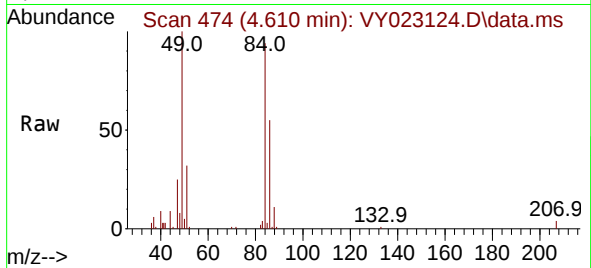




#20
Methylene Chloride
Concen: 1.318 ug/l
RT: 4.610 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023124.D
Acq: 15 Aug 2025 14:47

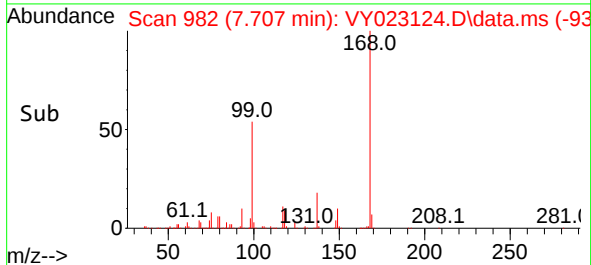
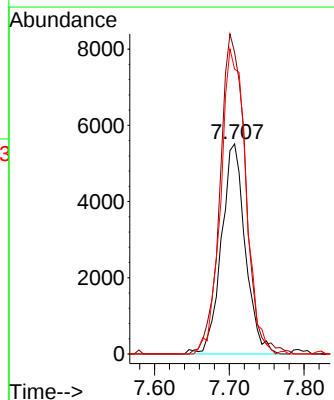
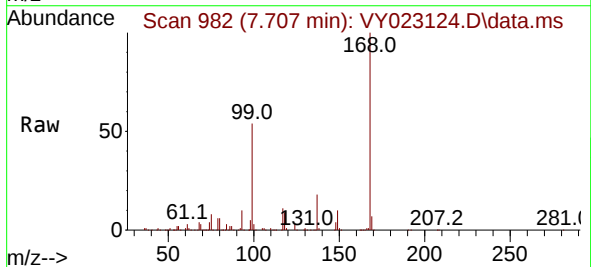
Instrument :
MSVOA_Y
ClientSampleId :
TG-S02

Tgt Ion:	84	Resp:	24265
Ion	Ratio	Lower	Upper
84	100		
49	106.3	93.0	139.6
51	33.5	29.0	43.4
86	58.9	50.2	75.4



#31
Cyclohexane
Concen: 1.209 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY023124.D
Acq: 15 Aug 2025 14:47

Tgt Ion:	56	Resp:	12239
Ion	Ratio	Lower	Upper
56	100		
69	143.5	28.2	42.2#
84	135.6	76.6	114.8#





#33

1,2-Dichloroethane-d4

Concen: 59.228 ug/l

RT: 8.055 min Scan# 1109

Delta R.T. -0.000 min

Lab File: VY023124.D

Acq: 15 Aug 2025 14:47

Instrument :

MSVOA_Y

ClientSampleId :

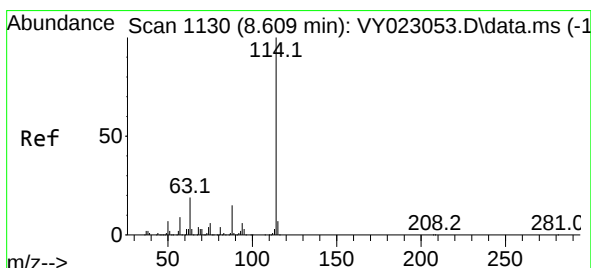
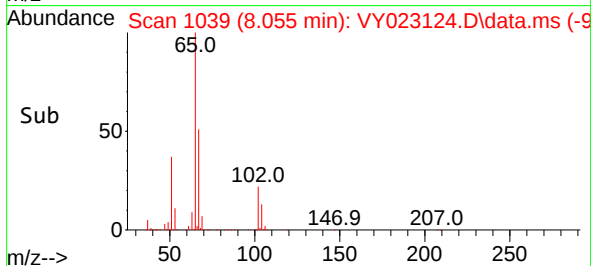
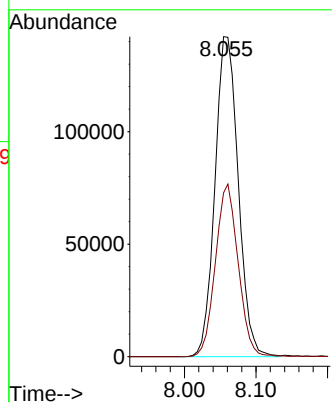
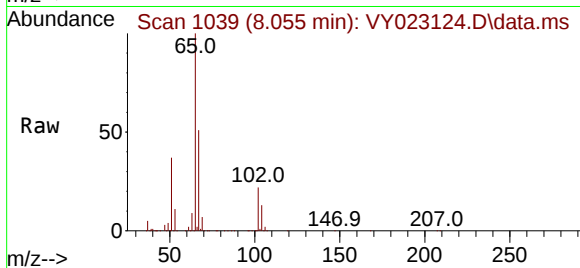
TG-S02

Tgt Ion: 65 Resp: 322028

Ion Ratio Lower Upper

65 100

67 52.7 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: VY023124.D

Acq: 15 Aug 2025 14:47

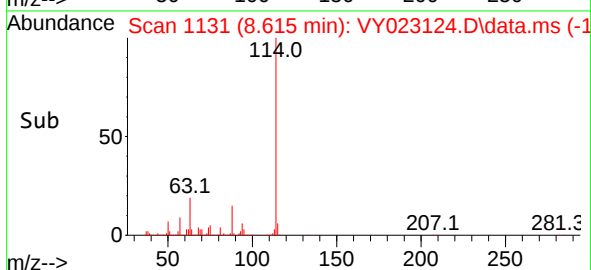
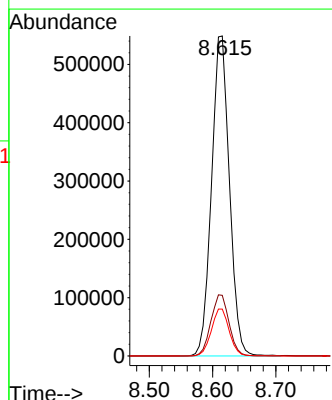
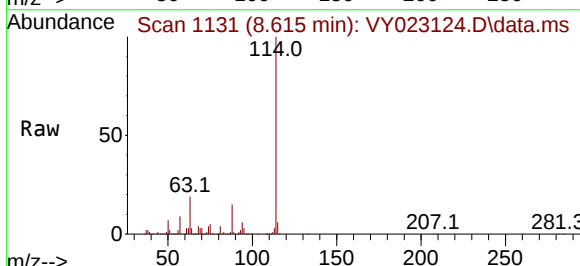
Tgt Ion:114 Resp: 1076714

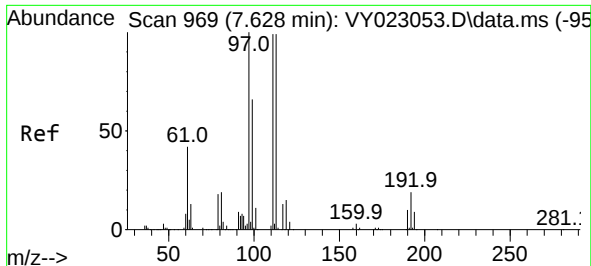
Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.4

88 14.7 0.0 30.0





#35

Dibromofluoromethane

Concen: 52.091 ug/l

RT: 7.628 min Scan# 9

Delta R.T. -0.000 min

Lab File: VY023124.D

Acq: 15 Aug 2025 14:47

Instrument :

MSVOA_Y

ClientSampleId :

TG-S02

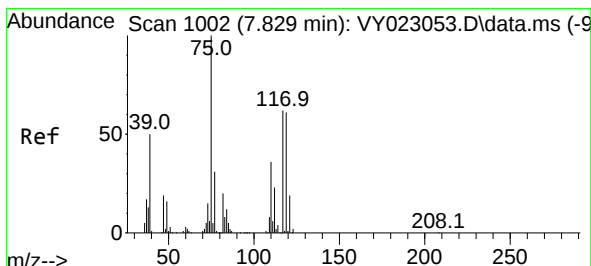
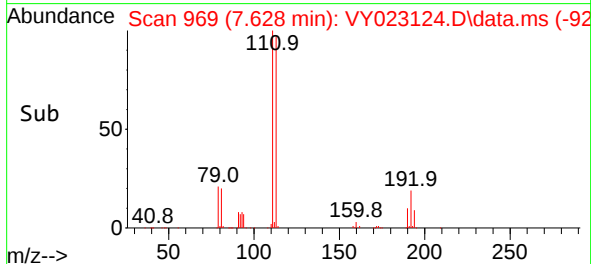
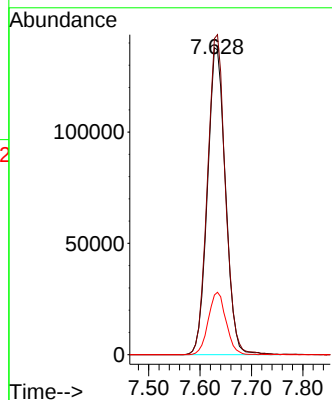
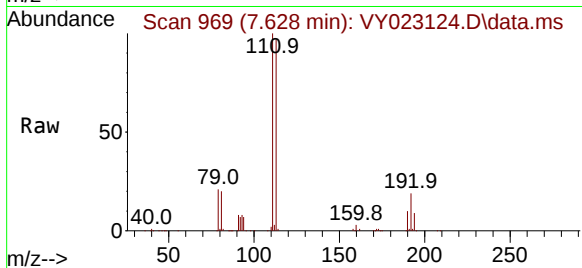
Tgt Ion:113 Resp: 335608

Ion Ratio Lower Upper

113 100

111 103.3 81.1 121.7

192 20.0 16.2 24.4



#36

1,1-Dichloropropene

Concen: 4.650 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.128 min

Lab File: VY023124.D

Acq: 15 Aug 2025 14:47

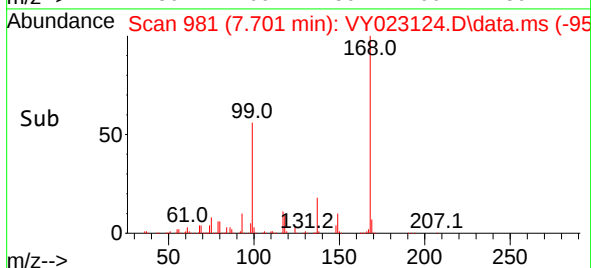
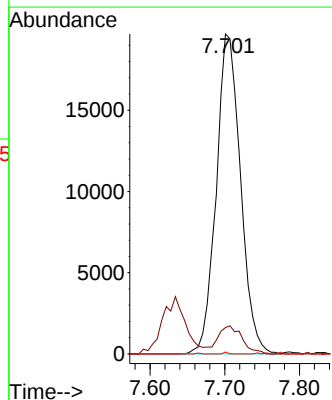
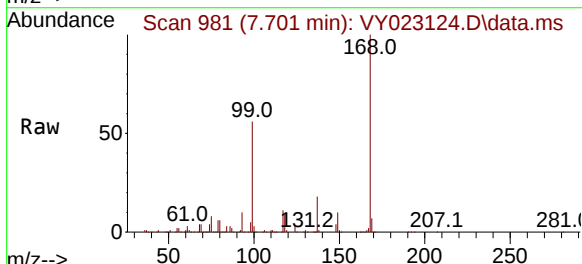
Tgt Ion: 75 Resp: 44523

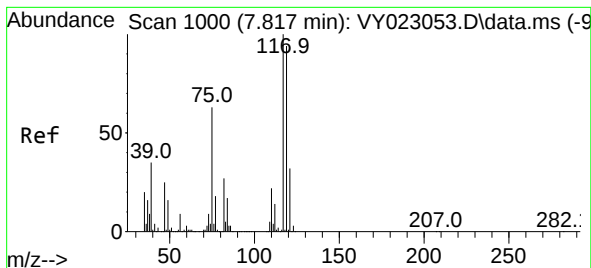
Ion Ratio Lower Upper

75 100

110 9.1 18.1 54.4#

77 0.1 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.532 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.110 min

Lab File: VY023124.D

Acq: 15 Aug 2025 14:47

Instrument :

MSVOA_Y

ClientSampleId :

TG-S02

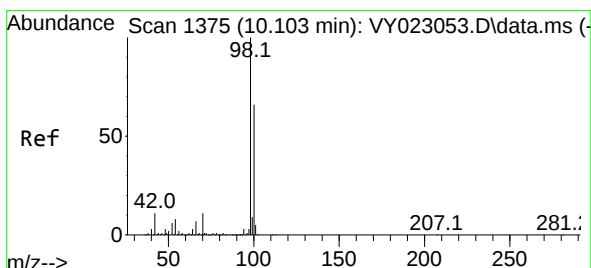
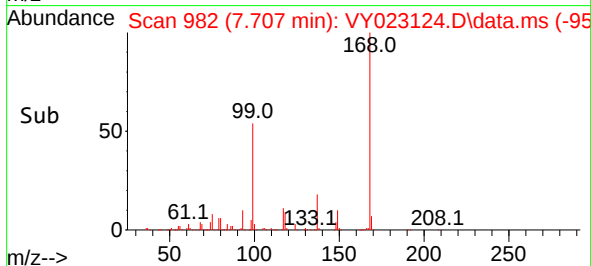
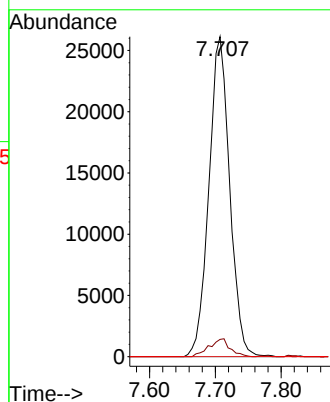
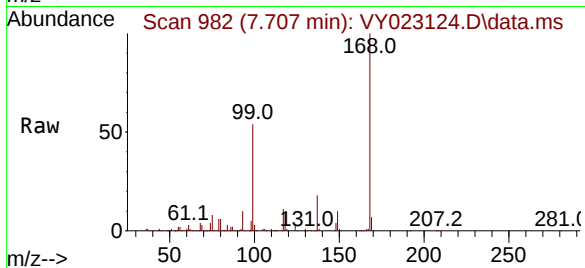
Tgt Ion:117 Resp: 57534

Ion Ratio Lower Upper

117 100

119 5.4 75.6 113.4#

121 0.0 25.8 38.8#



#50

Toluene-d8

Concen: 51.915 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY023124.D

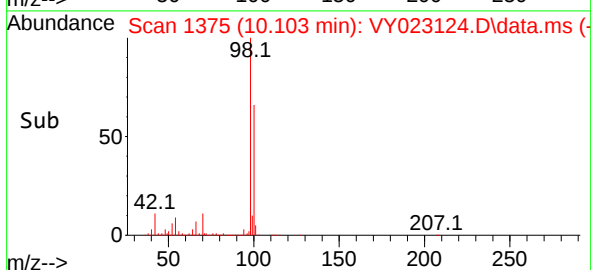
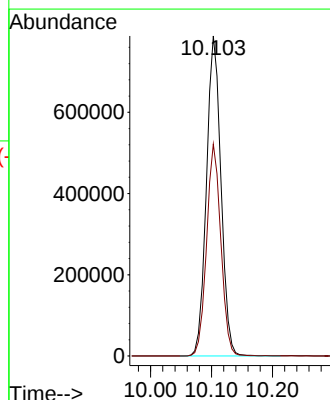
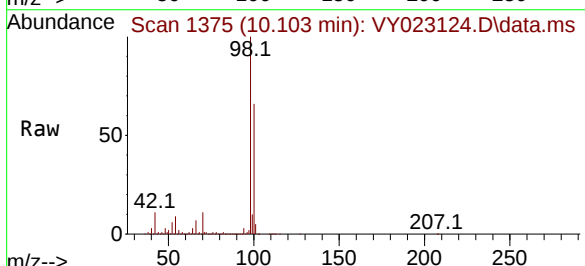
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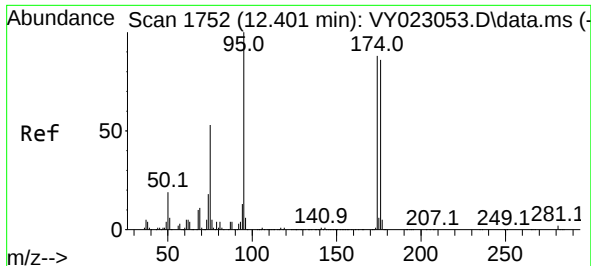
Tgt Ion: 98 Resp: 1306653

Ion Ratio Lower Upper

98 100

100 65.0 52.3 78.5

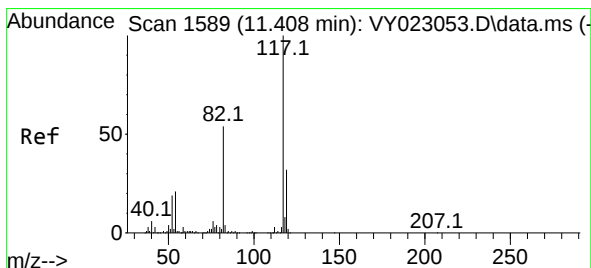
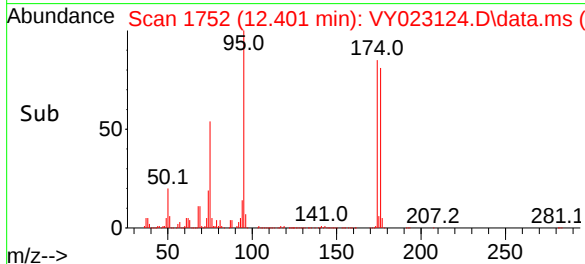
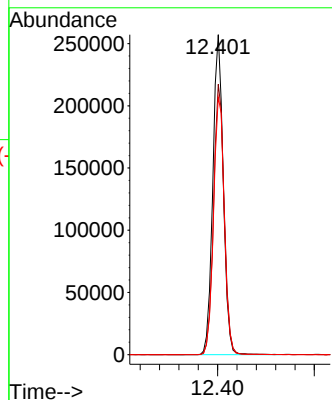
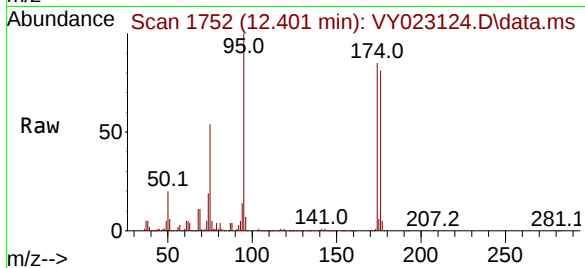




#62
4-Bromofluorobenzene
Concen: 47.538 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023124.D
Acq: 15 Aug 2025 14:47

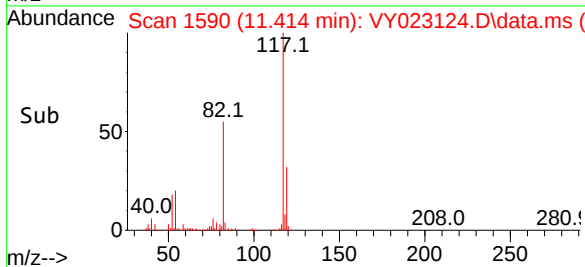
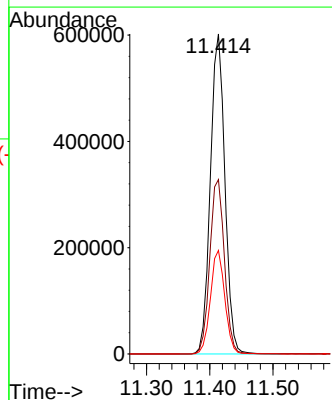
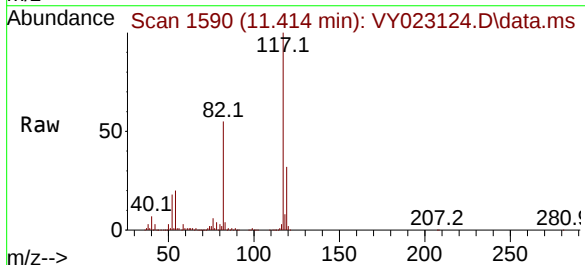
Instrument :
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TG-S02

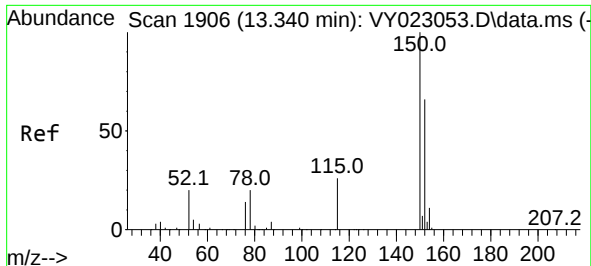
Tgt Ion: 95 Resp: 384788
Ion Ratio Lower Upper
95 100
174 86.2 0.0 171.6
176 82.8 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023124.D
Acq: 15 Aug 2025 14:47

Tgt Ion: 117 Resp: 962307
Ion Ratio Lower Upper
117 100
82 54.5 43.4 65.0
119 32.4 25.6 38.4

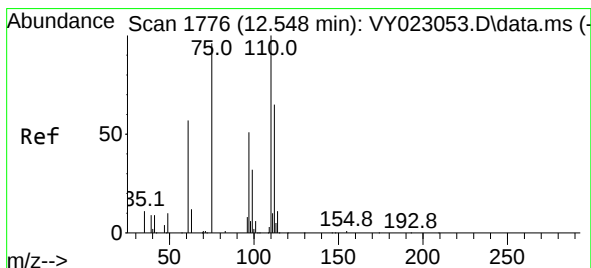
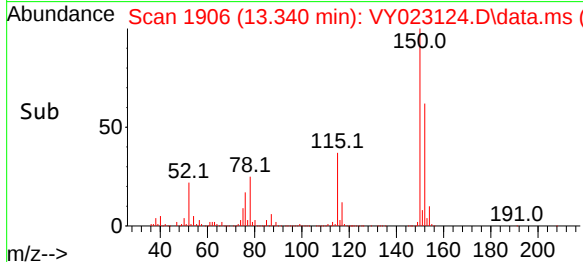
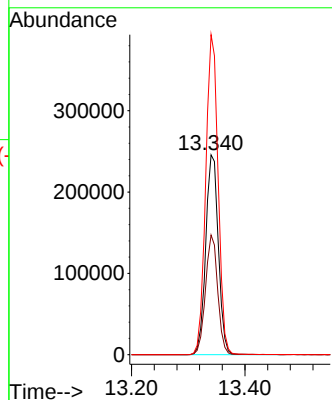
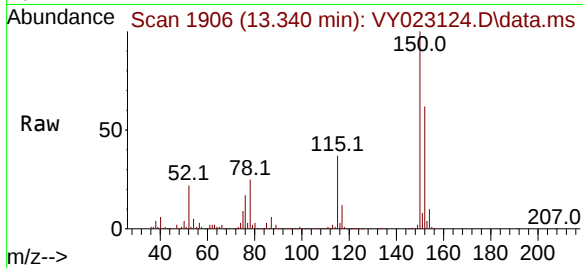




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.340 min Scan# 1906
 Delta R.T. -0.000 min
 Lab File: VY023124.D
 Acq: 15 Aug 2025 14:47

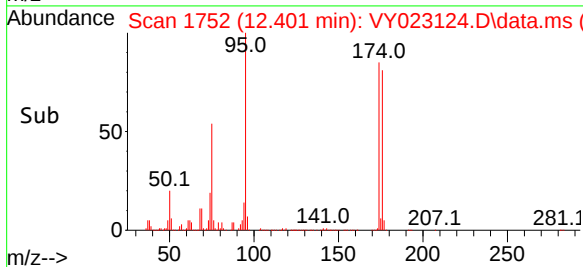
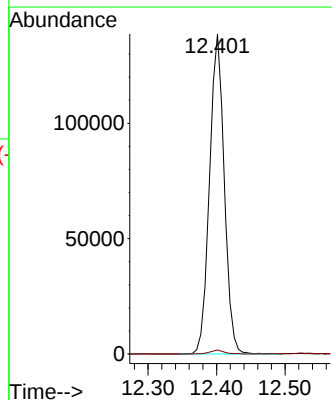
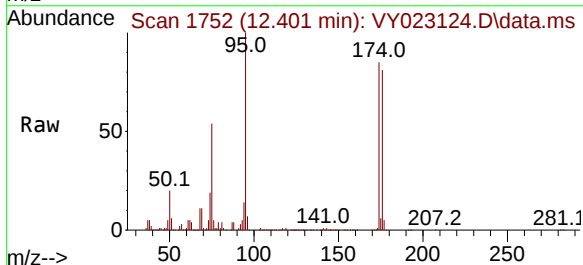
Instrument :
 MSVOA_Y
 ClientSampleId :
 TG-S02

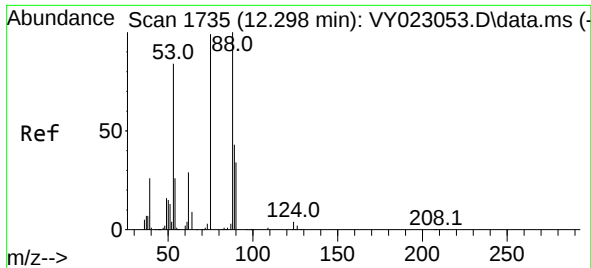
Tgt Ion:152 Resp: 380373
 Ion Ratio Lower Upper
 152 100
 115 57.8 28.2 84.6
 150 157.3 0.0 348.0



#76
 1,2,3-Trichloropropane
 Concen: 56.547 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.146 min
 Lab File: VY023124.D
 Acq: 15 Aug 2025 14:47

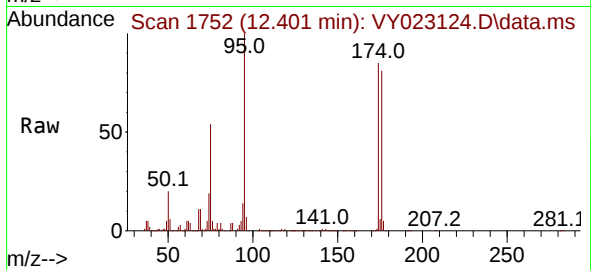
Tgt Ion: 75 Resp: 207585
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 136.883 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY023124.D
Acq: 15 Aug 2025 14:47

Instrument :
MSVOA_Y
ClientSampleId :
TG-S02



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.1	70.8	106.2#
89	0.0	38.1	57.1#

