

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110525\
 Data File : VY023688.D
 Acq On : 05 Nov 2025 13:57
 Operator : SY/MD
 Sample : Q3546-01
 Misc : 3.58g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-COMP

Quant Time: Nov 06 03:30:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

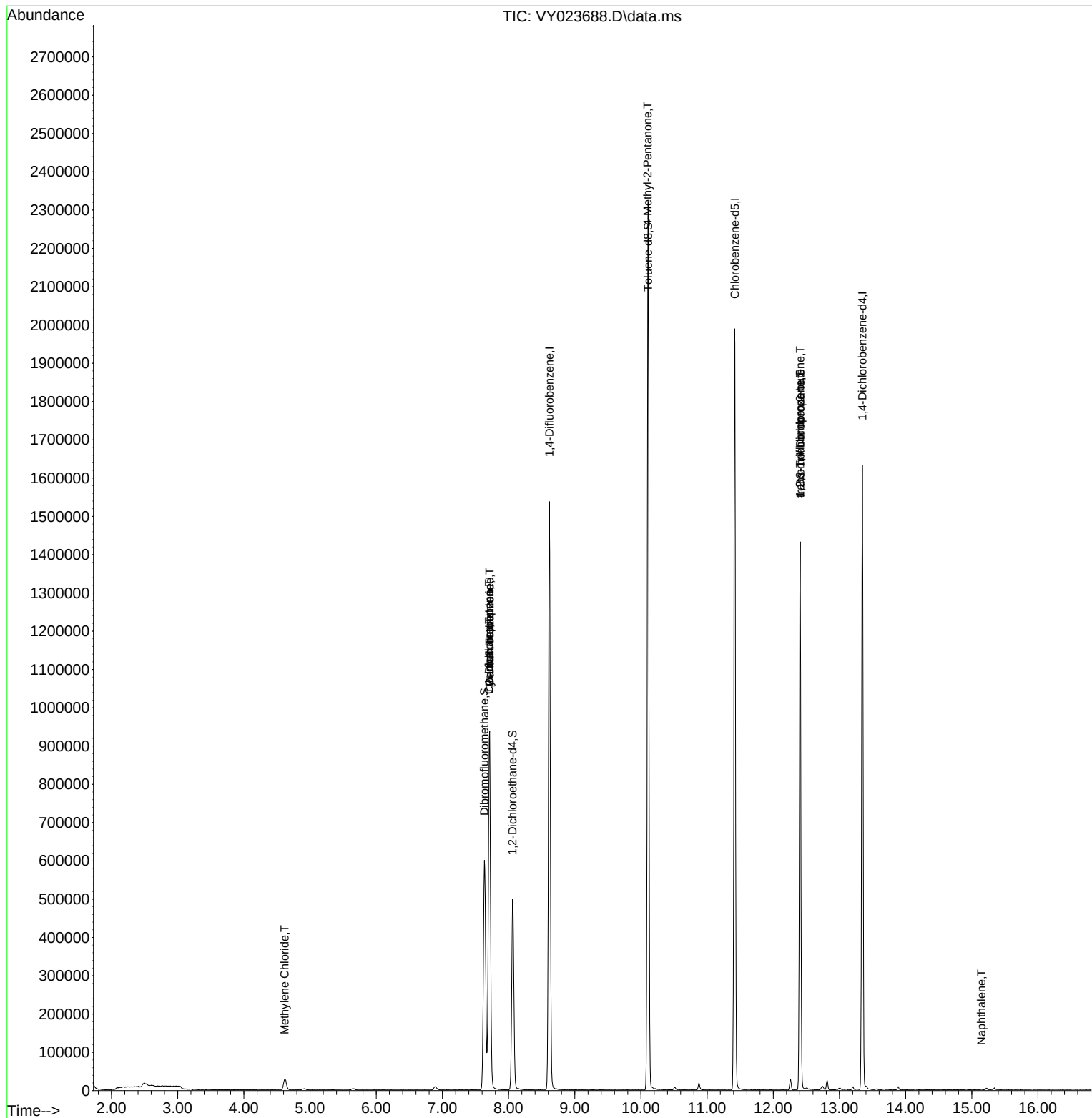
Internal Standards						
1) Pentafluorobenzene	7.713	168	772543	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1352040	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1125573	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	428575	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	396509	60.169	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.340%			
35) Dibromofluoromethane	7.634	113	436372	51.646	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.300%			
50) Toluene-d8	10.109	98	1522420	48.370	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.740%			
62) 4-Bromofluorobenzene	12.407	95	426733	41.925	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 83.840%			
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.616	84	23760	3.005	ug/l	94
31) Cyclohexane	7.707	56	14090	1.297	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	52451	4.646	ug/l #	47
38) Carbon Tetrachloride	7.713	117	72431	5.445	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	5470	1.252	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	209506	60.402	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	209506	136.506	ug/l #	14
95) Naphthalene	15.144	128	689	5.311	ug/l #	72

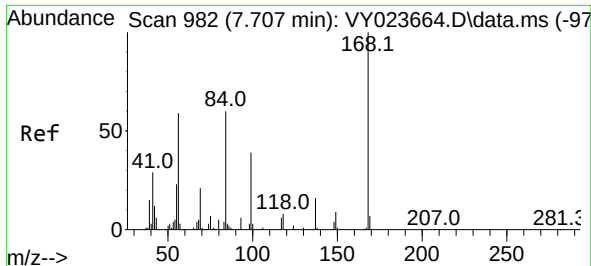
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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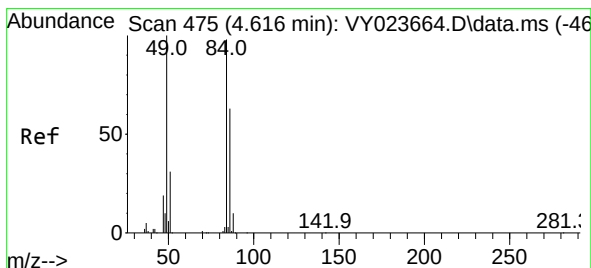
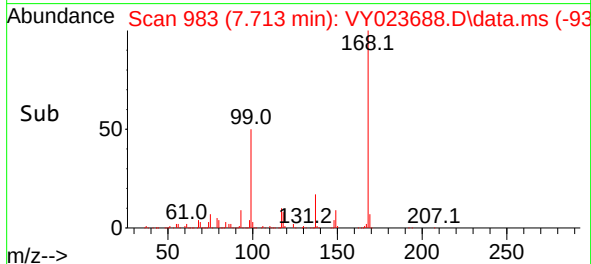
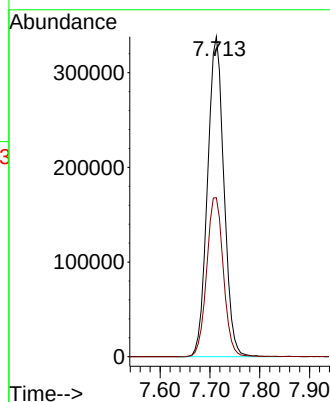
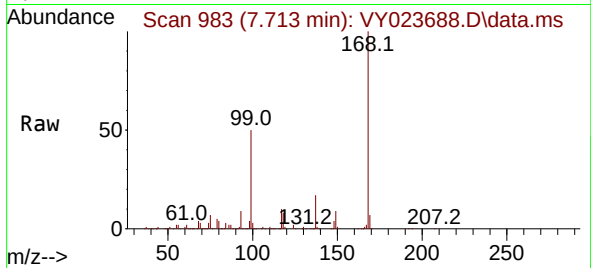




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023688.D
Acq: 05 Nov 2025 13:57

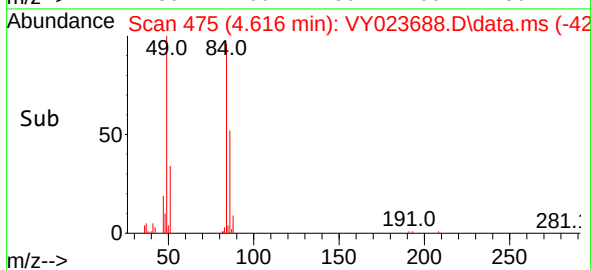
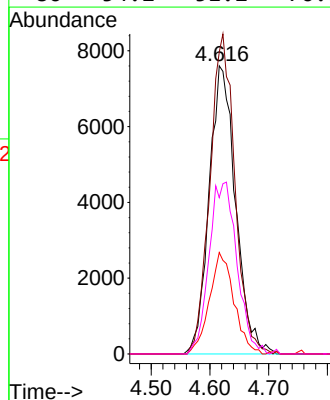
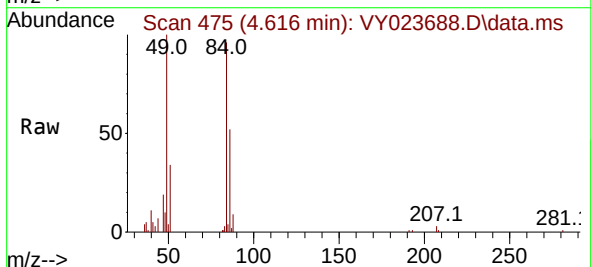
Instrument :
MSVOA_Y
ClientSampleId :
TP-COMP

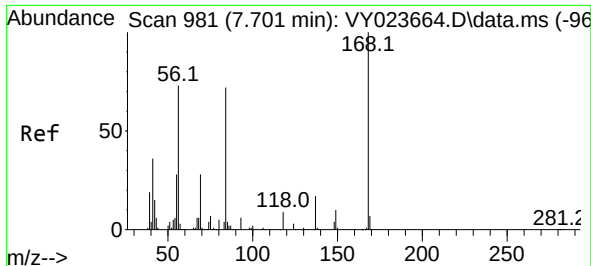
Tgt Ion:168 Resp: 772543
Ion Ratio Lower Upper
168 100
99 49.7 41.0 61.4



#20
Methylene Chloride
Concen: 3.005 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY023688.D
Acq: 05 Nov 2025 13:57

Tgt Ion: 84 Resp: 23760
Ion Ratio Lower Upper
84 100
49 104.7 81.5 122.3
51 35.2 25.5 38.3
86 54.2 51.2 76.8

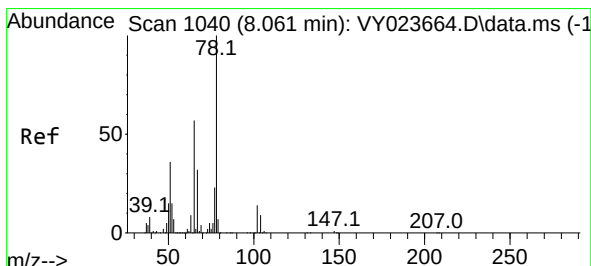
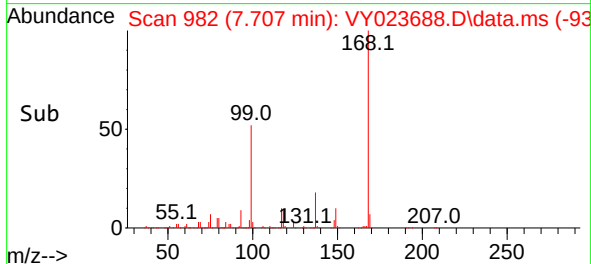
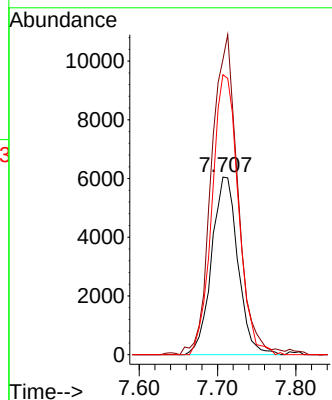
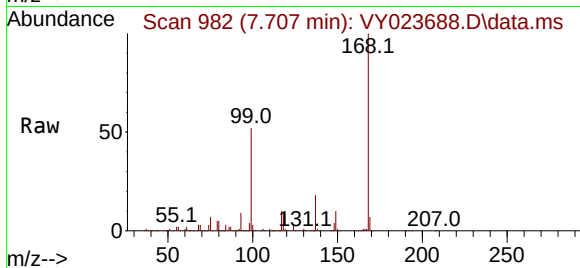




#31
Cyclohexane
Concen: 1.297 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023688.D
Acq: 05 Nov 2025 13:57

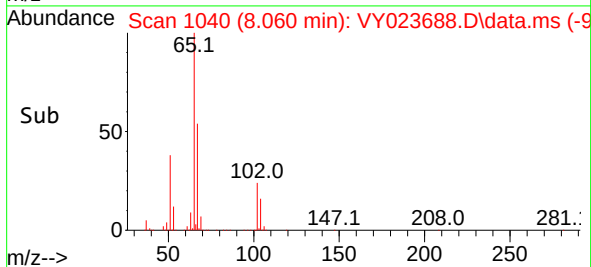
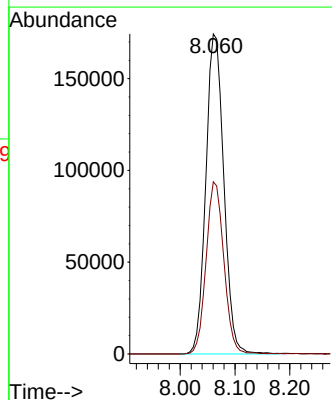
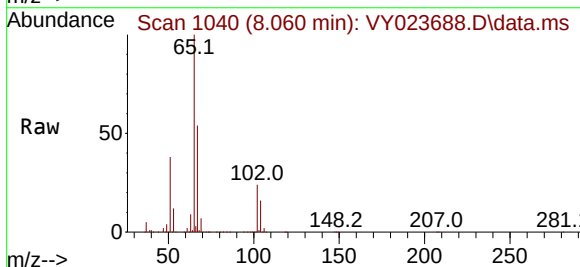
Instrument :
MSVOA_Y
ClientSampleId :
TP-COMP

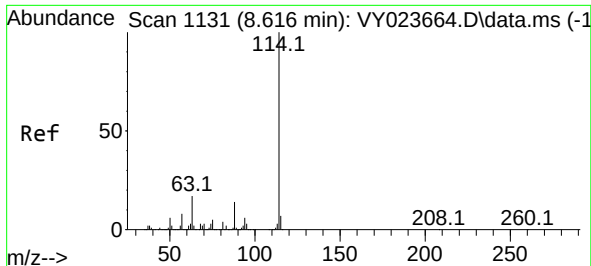
Tgt Ion: 56 Resp: 14090
Ion Ratio Lower Upper
56 100
69 166.1 30.5 45.7#
84 157.6 79.0 118.4#



#33
1,2-Dichloroethane-d4
Concen: 60.169 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023688.D
Acq: 05 Nov 2025 13:57

Tgt Ion: 65 Resp: 396509
Ion Ratio Lower Upper
65 100
67 53.1 0.0 107.4

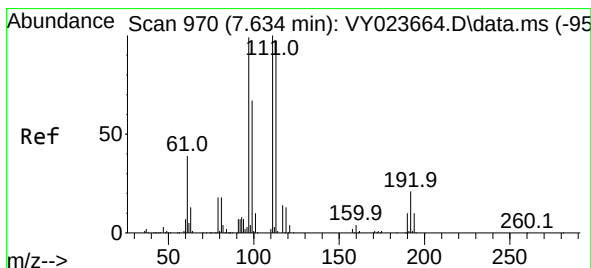
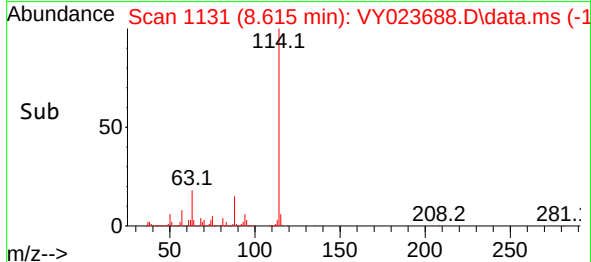
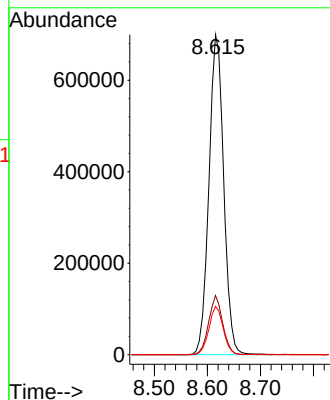
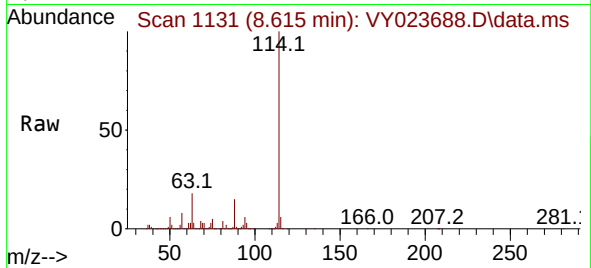




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023688.D
Acq: 05 Nov 2025 13:57

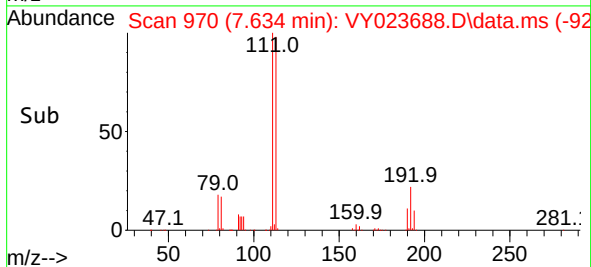
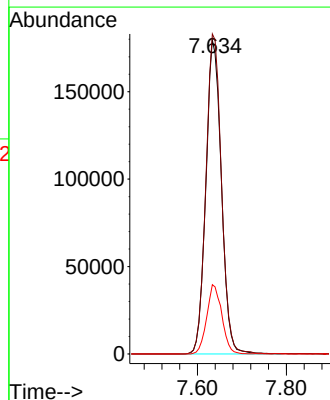
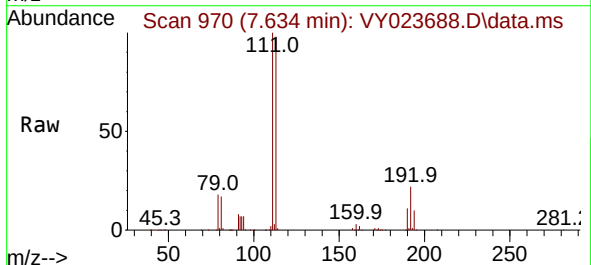
Instrument :
MSVOA_Y
ClientSampleId :
TP-COMP

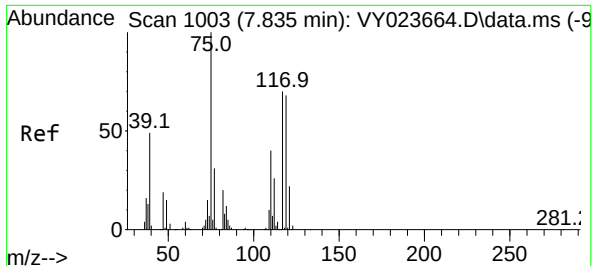
Tgt Ion:114 Resp: 1352040
Ion Ratio Lower Upper
114 100
63 18.5 0.0 33.8
88 15.1 0.0 29.0



#35
Dibromofluoromethane
Concen: 51.646 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY023688.D
Acq: 05 Nov 2025 13:57

Tgt Ion:113 Resp: 436372
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.4
192 21.5 17.3 25.9





#36

1,1-Dichloropropene

Concen: 4.646 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY023688.D

Acq: 05 Nov 2025 13:57

Instrument :

MSVOA_Y

ClientSampleId :

TP-COMP

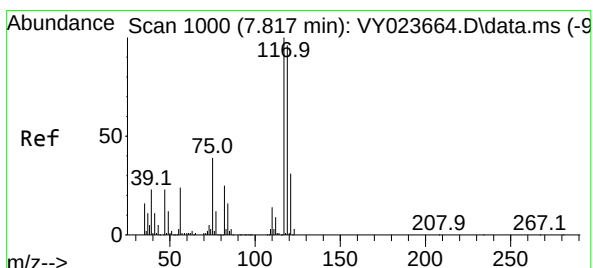
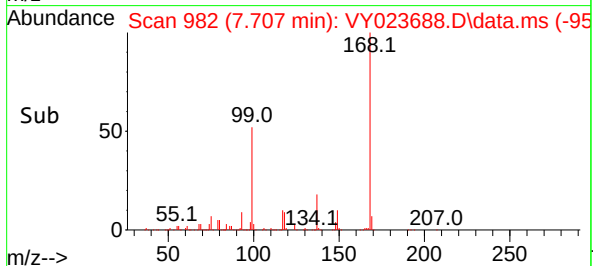
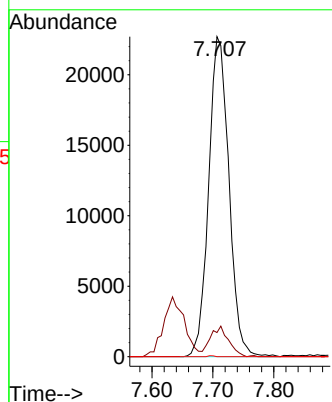
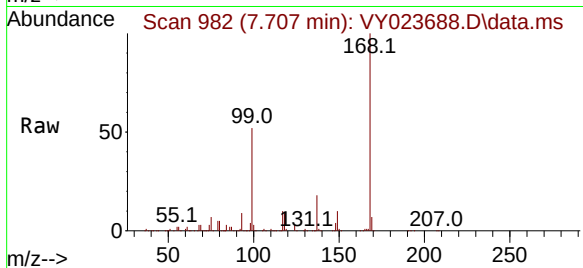
Tgt Ion: 75 Resp: 52451

Ion Ratio Lower Upper

75 100

110 8.6 19.7 59.0#

77 0.1 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.445 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023688.D

Acq: 05 Nov 2025 13:57

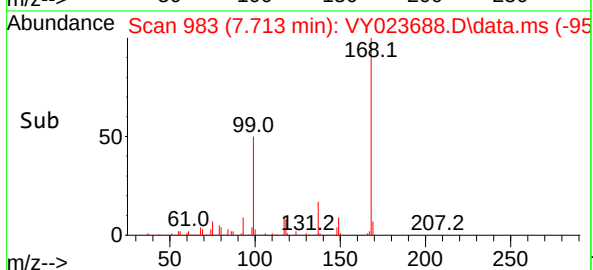
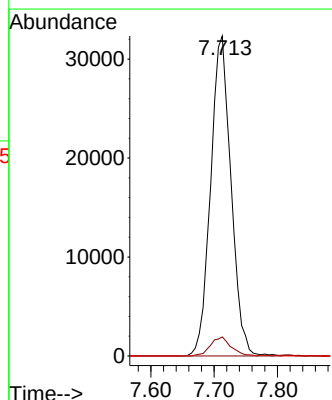
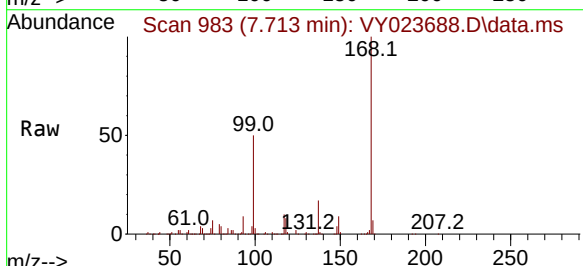
Tgt Ion: 117 Resp: 72431

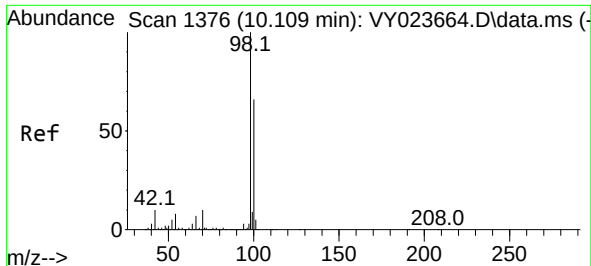
Ion Ratio Lower Upper

117 100

119 5.9 76.3 114.5#

121 0.0 24.8 37.2#

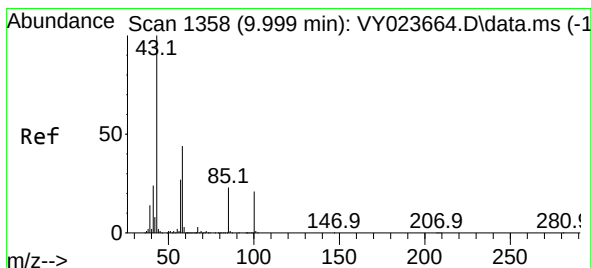
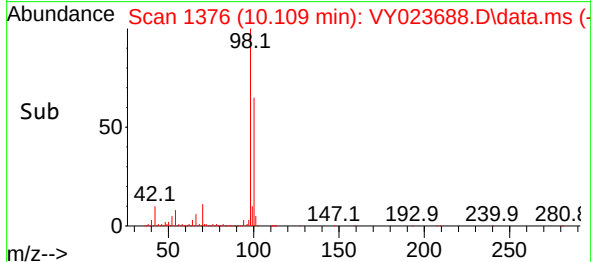
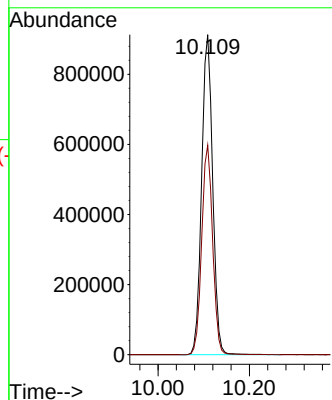
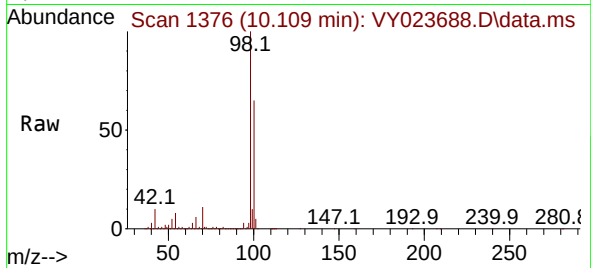




#50
Toluene-d8
Concen: 48.370 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023688.D
Acq: 05 Nov 2025 13:57

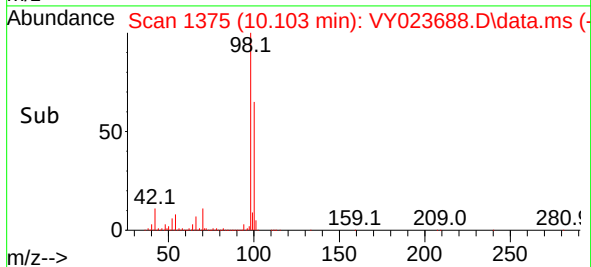
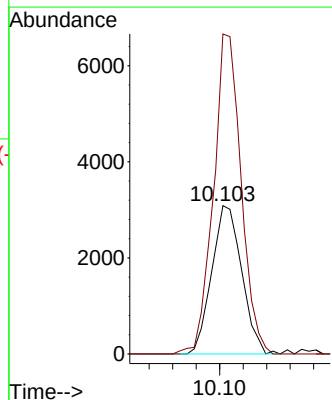
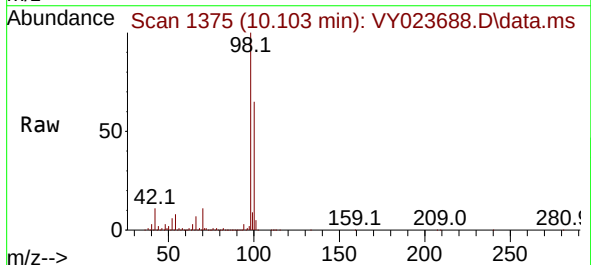
Instrument :
MSVOA_Y
ClientSampleId :
TP-COMP

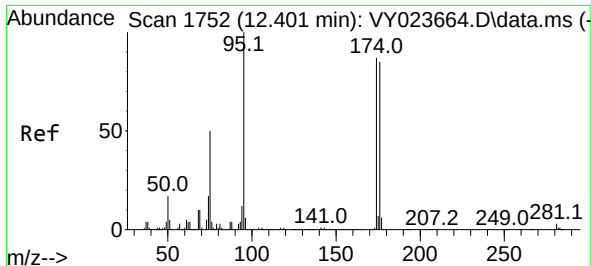
Tgt Ion: 98 Resp: 1522420
Ion Ratio Lower Upper
98 100
100 65.0 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 1.252 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.103 min
Lab File: VY023688.D
Acq: 05 Nov 2025 13:57

Tgt Ion: 43 Resp: 5470
Ion Ratio Lower Upper
43 100
58 199.0 34.8 52.2#

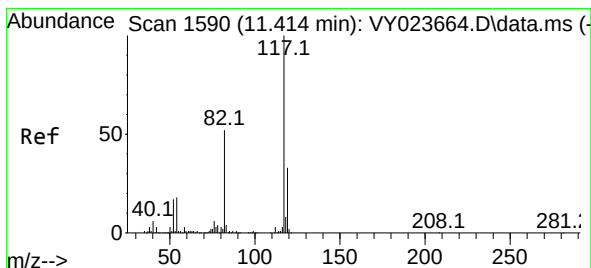
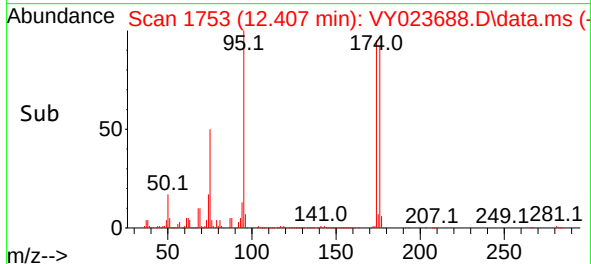
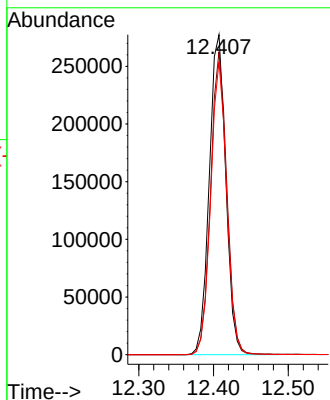
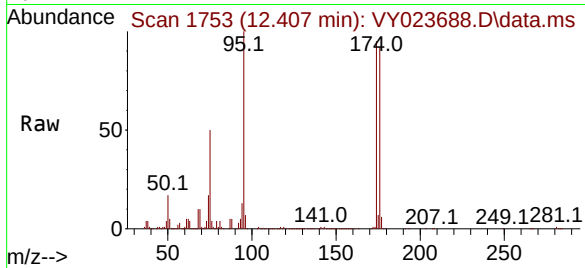




#62
4-Bromofluorobenzene
Concen: 41.925 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023688.D
Acq: 05 Nov 2025 13:57

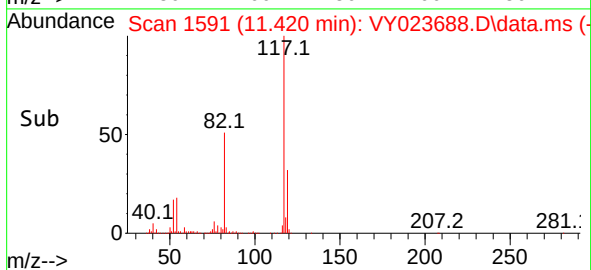
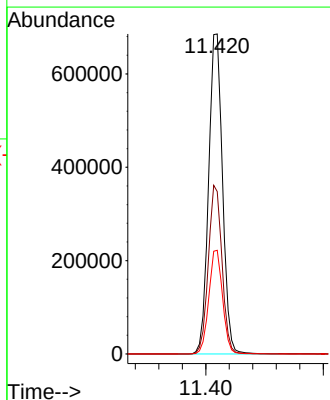
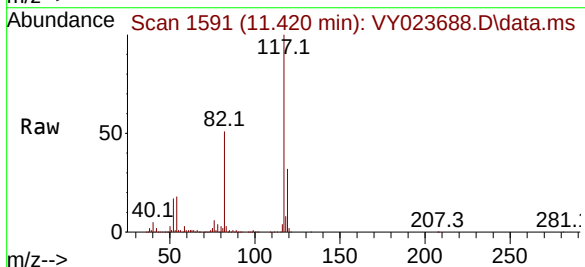
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ClientSampleId :
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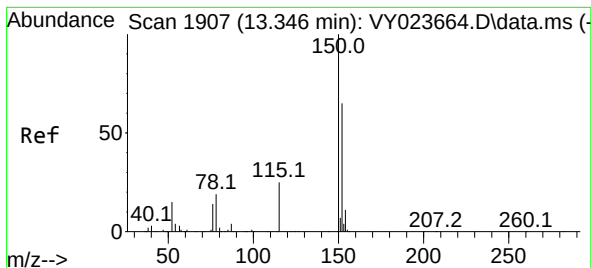
Tgt Ion: 95 Resp: 426733
Ion Ratio Lower Upper
95 100
174 93.2 0.0 184.8
176 88.6 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023688.D
Acq: 05 Nov 2025 13:57

Tgt Ion: 117 Resp: 1125573
Ion Ratio Lower Upper
117 100
82 50.8 41.2 61.8
119 32.4 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023688.D

Acq: 05 Nov 2025 13:57

Instrument :

MSVOA_Y

ClientSampleId :

TP-COMP

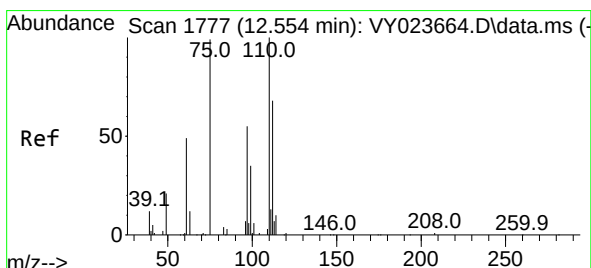
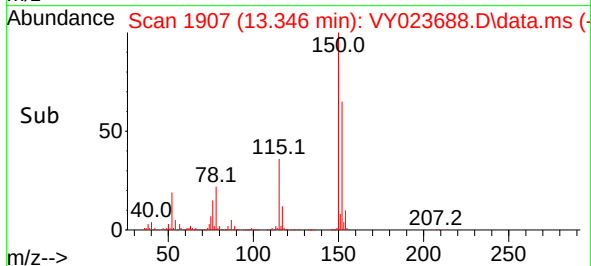
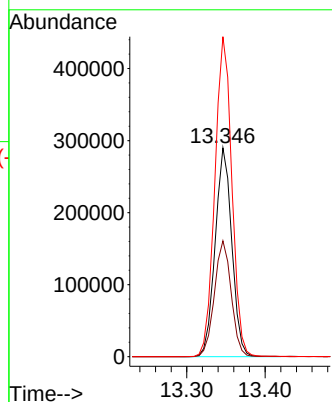
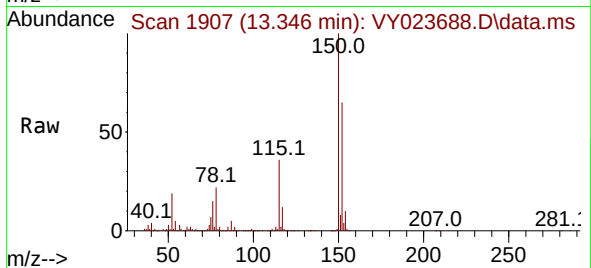
Tgt Ion:152 Resp: 428575

Ion Ratio Lower Upper

152 100

115 56.1 27.5 82.5

150 156.7 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 60.402 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.147 min

Lab File: VY023688.D

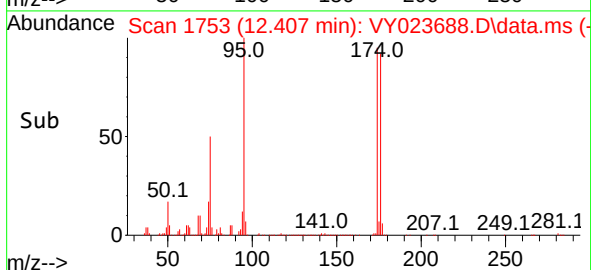
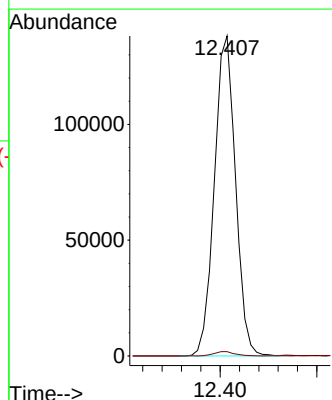
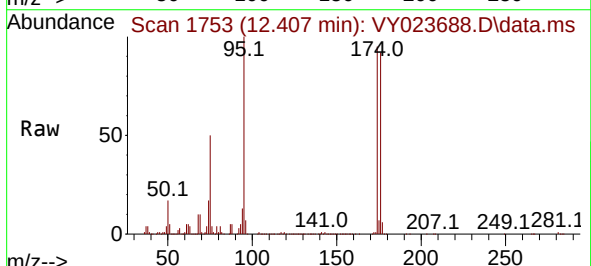
Acq: 05 Nov 2025 13:57

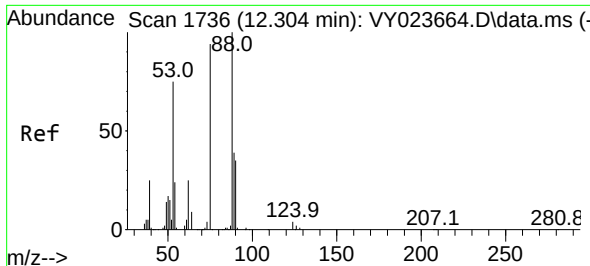
Tgt Ion: 75 Resp: 209506

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#

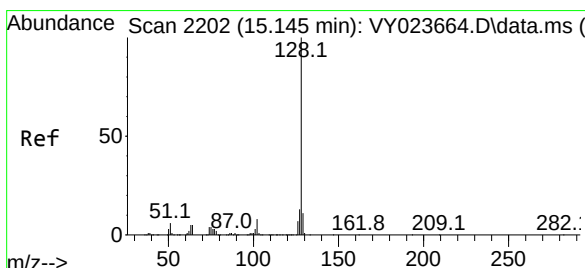
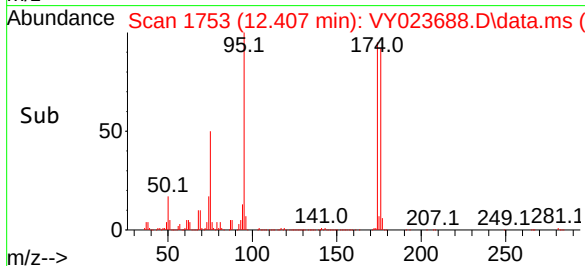
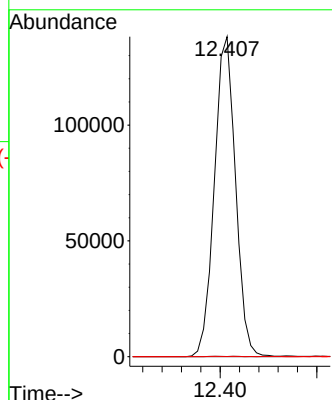
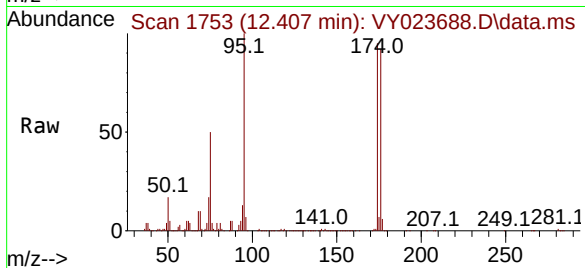




#81
trans-1,4-Dichloro-2-butene
Concen: 136.506 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.103 min
Lab File: VY023688.D
Acq: 05 Nov 2025 13:57

Instrument :
MSVOA_Y
ClientSampleId :
TP-COMP

Tgt Ion: 75 Resp: 209506
Ion Ratio Lower Upper
75 100
53 0.2 69.6 104.4#
89 0.0 38.2 57.4#



#95
Naphthalene
Concen: 5.311 ug/l
RT: 15.144 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY023688.D
Acq: 05 Nov 2025 13:57

Tgt Ion: 128 Resp: 689
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 2.9 8.8 13.2#

