

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110325\
 Data File : VY023654.D
 Acq On : 03 Nov 2025 13:26
 Operator : SY/MD
 Sample : Q3447-03
 Misc : 3.69g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 04 01:33:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

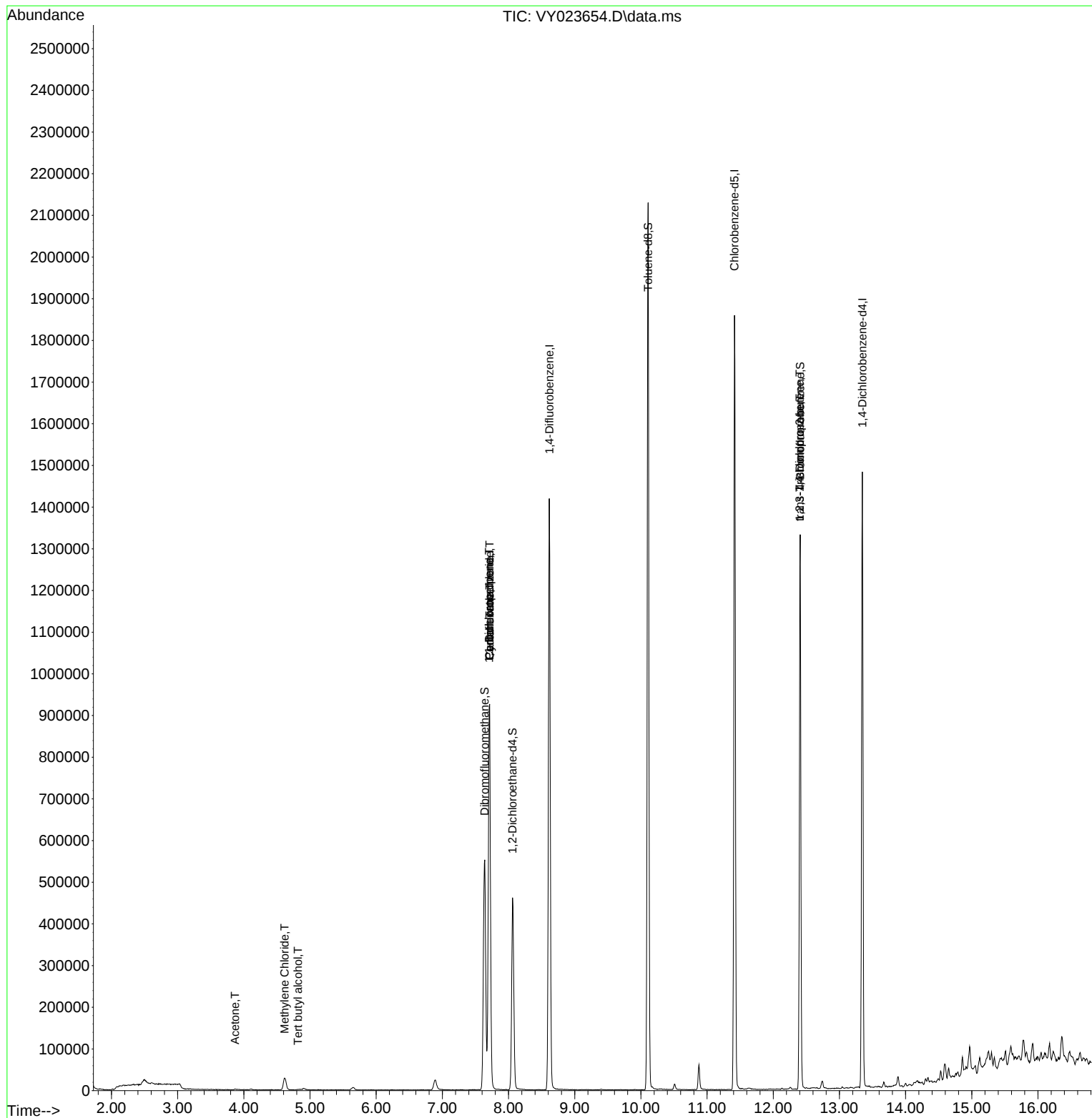
Internal Standards						
1) Pentafluorobenzene	7.713	168	785311	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1293197	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1057990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	399077	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	352574	53.690	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.380%	
35) Dibromofluoromethane	7.640	113	402441	50.646	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.300%	
50) Toluene-d8	10.109	98	1428414	48.270	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.540%	
62) 4-Bromofluorobenzene	12.408	95	396366	40.571	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 81.140%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.818	59	588	1.204	ug/l #	72
16) Acetone	3.867	43	2292	1.466	ug/l	88
20) Methylene Chloride	4.616	84	23401	2.768	ug/l	99
31) Cyclohexane	7.713	56	12453	1.140	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	49326	4.689	ug/l #	47
38) Carbon Tetrachloride	7.713	117	69757	5.469	ug/l #	16
76) 1,2,3-Trichloropropane	12.402	75	190737	54.172	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	190737	132.841	ug/l #	15

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

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Quant Time: Nov 04 01:33:03 2025
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Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
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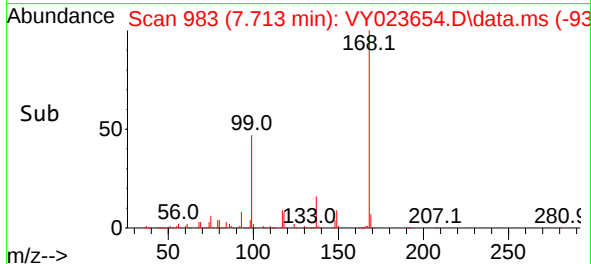
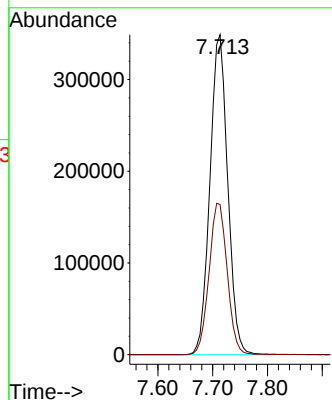
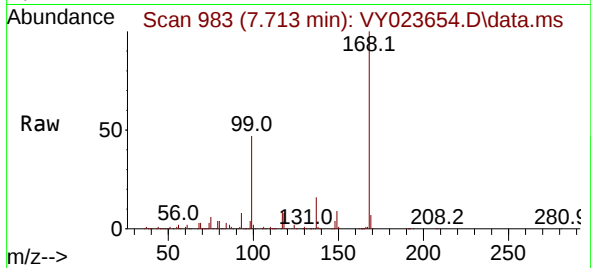




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023654.D
Acq: 03 Nov 2025 13:26

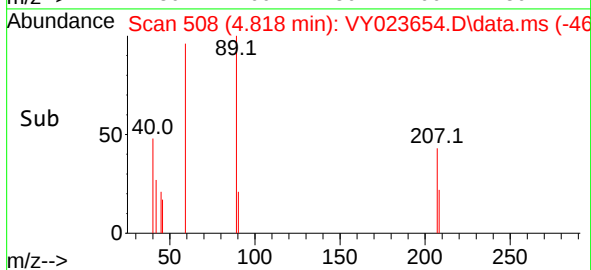
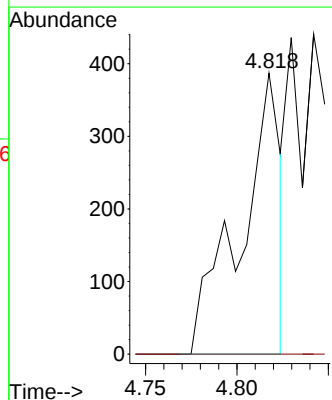
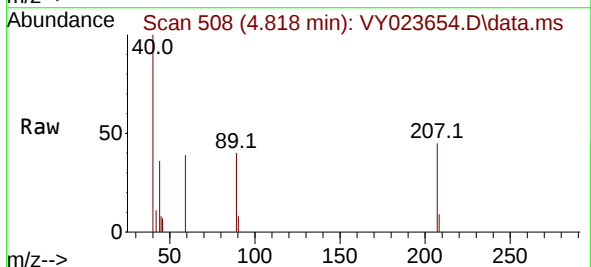
Instrument :
MSVOA_Y
ClientSampleId :

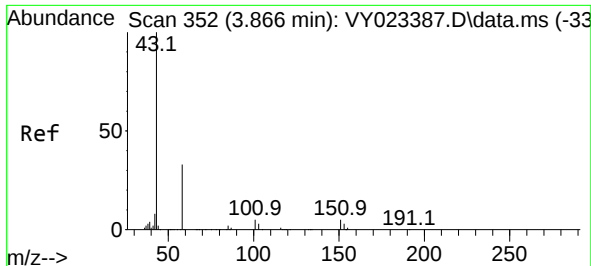
Tgt Ion:168 Resp: 785311
Ion Ratio Lower Upper
168 100
99 46.9 39.7 59.5



#11
Tert butyl alcohol
Concen: 1.204 ug/l
RT: 4.818 min Scan# 508
Delta R.T. -0.043 min
Lab File: VY023654.D
Acq: 03 Nov 2025 13:26

Tgt Ion: 59 Resp: 588
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

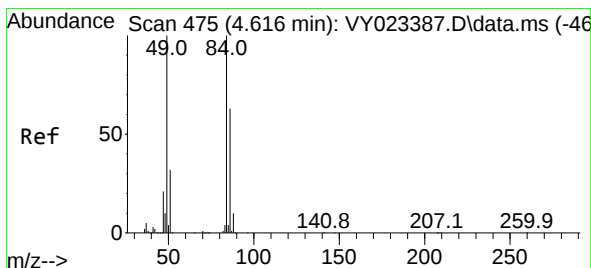
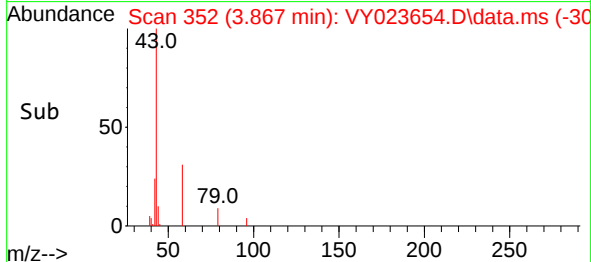
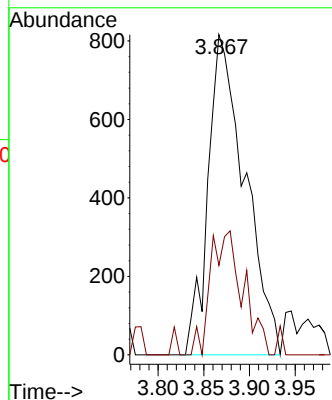
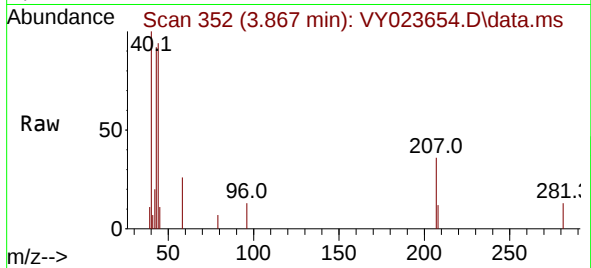




#16
Acetone
Concen: 1.466 ug/l
RT: 3.867 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY023654.D
Acq: 03 Nov 2025 13:26

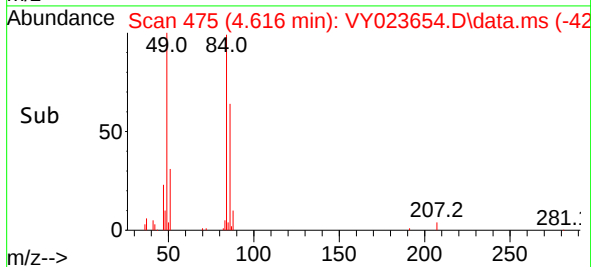
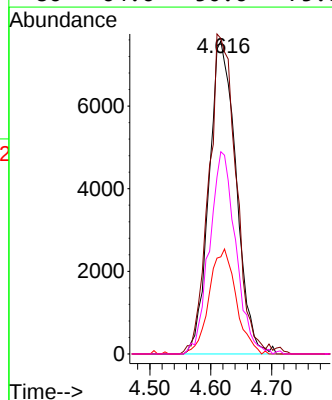
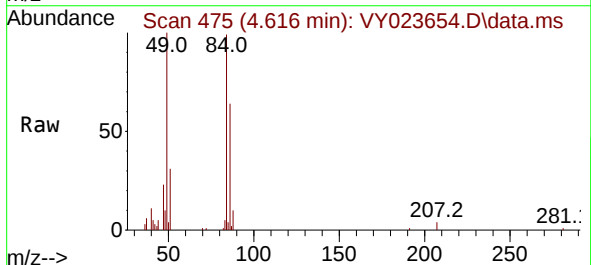
Instrument :
MSVOA_Y
ClientSampleId :

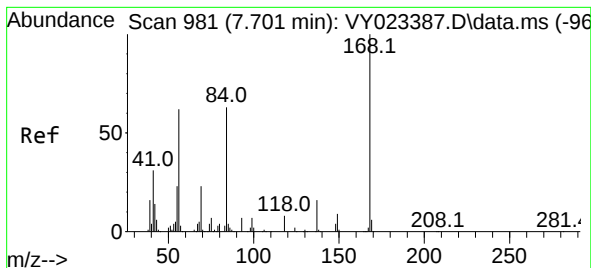
Tgt Ion: 43 Resp: 2292
Ion Ratio Lower Upper
43 100
58 27.9 27.7 41.5



#20
Methylene Chloride
Concen: 2.768 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY023654.D
Acq: 03 Nov 2025 13:26

Tgt Ion: 84 Resp: 23401
Ion Ratio Lower Upper
84 100
49 100.8 80.2 120.4
51 31.1 25.9 38.9
86 64.6 50.6 75.8





#31

Cyclohexane

Concen: 1.140 ug/l

RT: 7.713 min Scan# 981

Delta R.T. 0.012 min

Lab File: VY023654.D

Acq: 03 Nov 2025 13:26

Instrument :

MSVOA_Y

ClientSampleId :

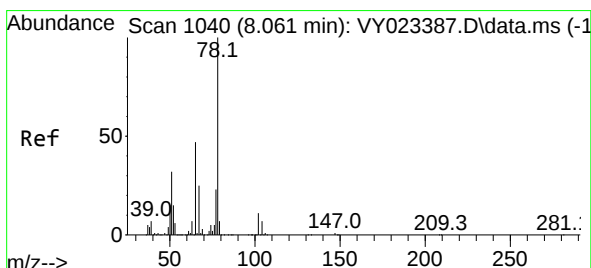
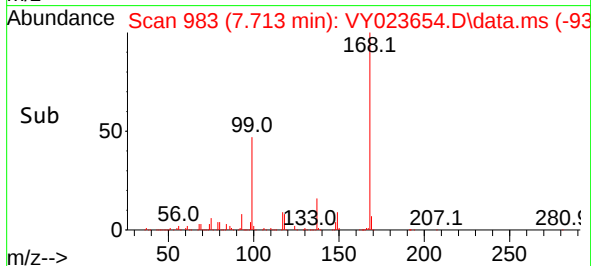
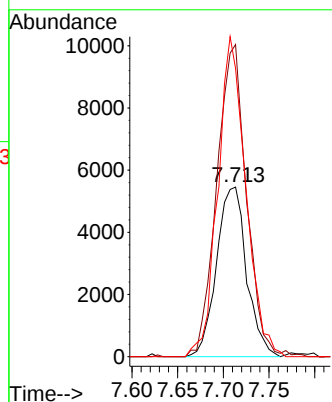
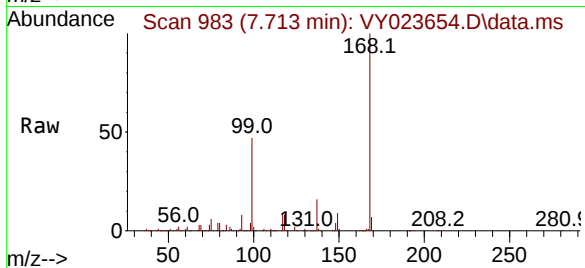
Tgt Ion: 56 Resp: 12453

Ion Ratio Lower Upper

56 100

69 184.0 30.0 45.0#

84 169.9 81.2 121.8#



#33

1,2-Dichloroethane-d4

Concen: 53.690 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY023654.D

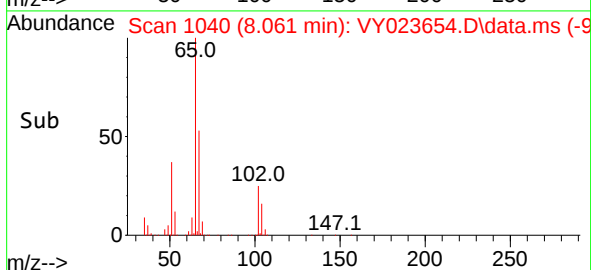
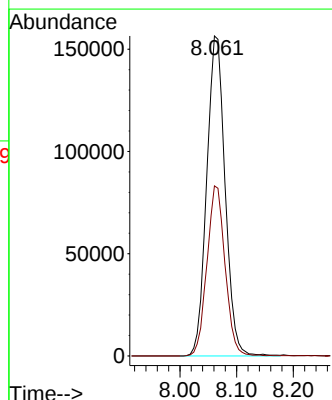
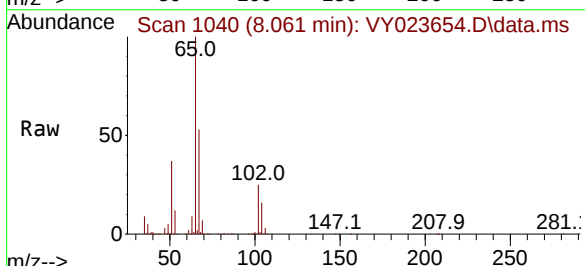
Acq: 03 Nov 2025 13:26

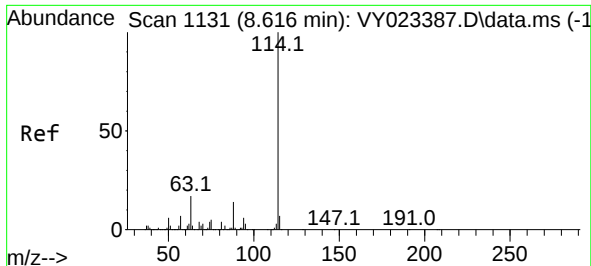
Tgt Ion: 65 Resp: 352574

Ion Ratio Lower Upper

65 100

67 52.5 0.0 105.8

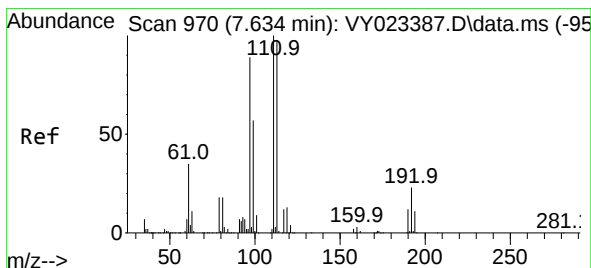
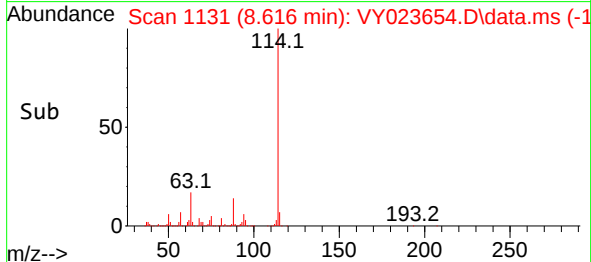
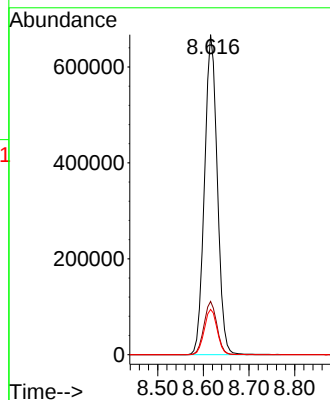
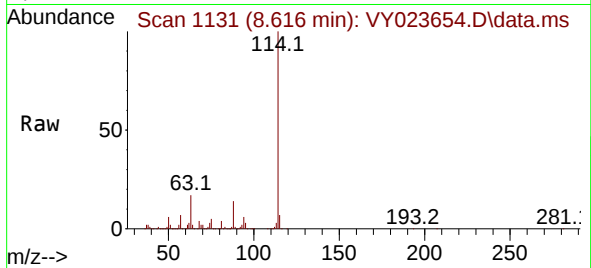




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023654.D
Acq: 03 Nov 2025 13:26

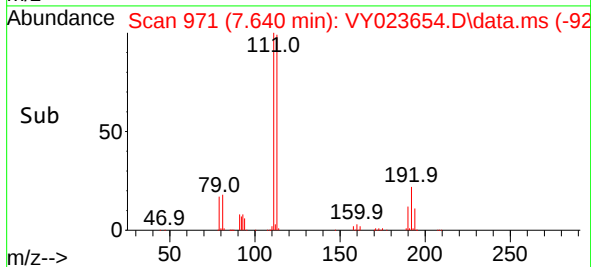
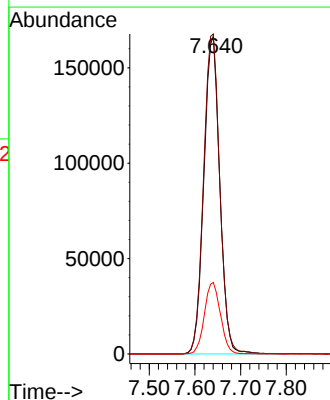
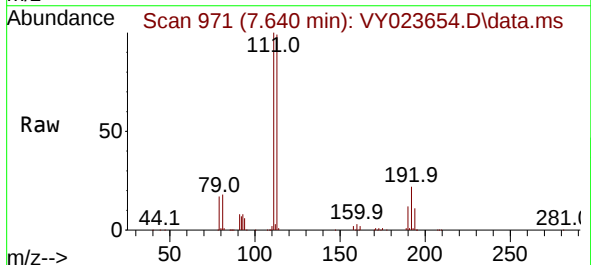
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:114 Resp: 1293197
Ion Ratio Lower Upper
114 100
63 16.7 0.0 34.2
88 14.2 0.0 28.4



#35
Dibromofluoromethane
Concen: 50.646 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023654.D
Acq: 03 Nov 2025 13:26

Tgt Ion:113 Resp: 402441
Ion Ratio Lower Upper
113 100
111 102.5 81.8 122.6
192 22.7 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.689 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY023654.D

Acq: 03 Nov 2025 13:26

Instrument :

MSVOA_Y

ClientSampleId :

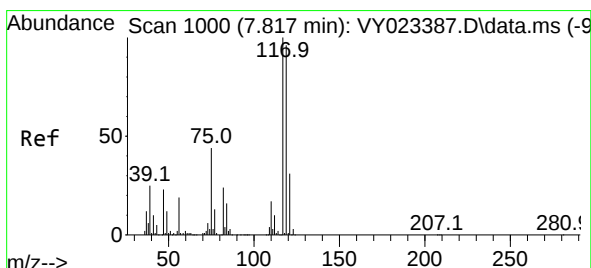
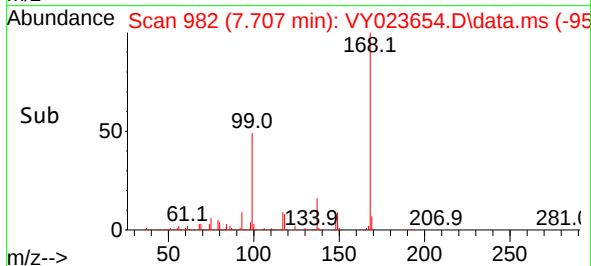
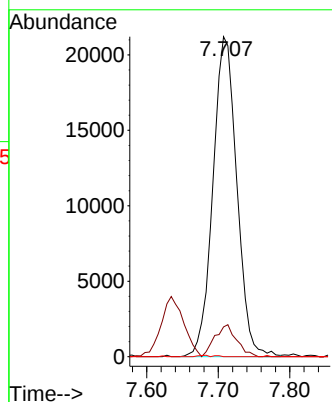
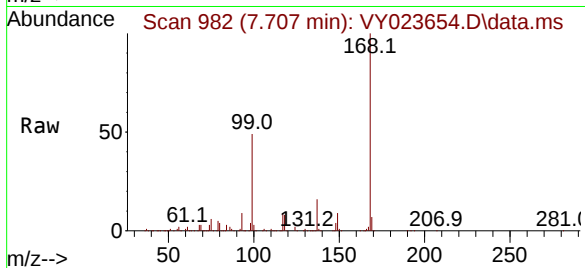
Tgt Ion: 75 Resp: 49326

Ion Ratio Lower Upper

75 100

110 9.1 19.9 59.7#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.469 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023654.D

Acq: 03 Nov 2025 13:26

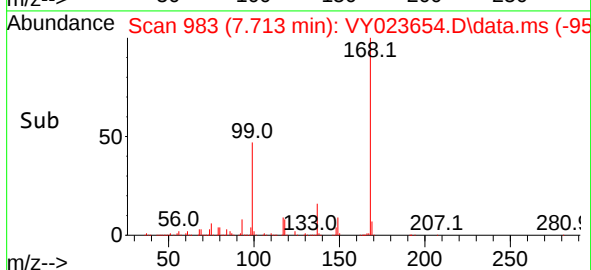
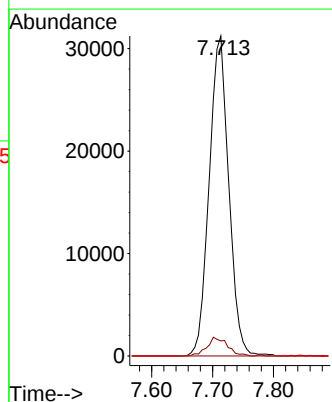
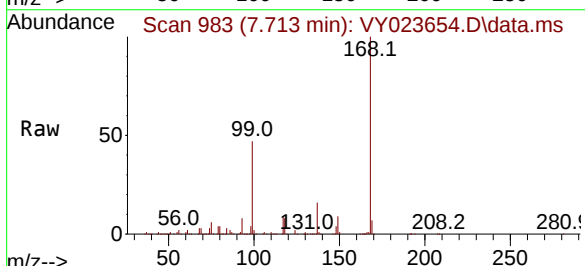
Tgt Ion: 117 Resp: 69757

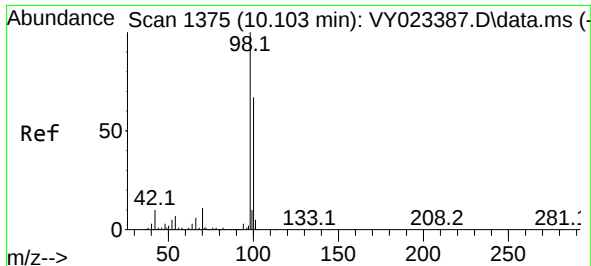
Ion Ratio Lower Upper

117 100

119 4.7 76.8 115.2#

121 0.0 24.5 36.7#

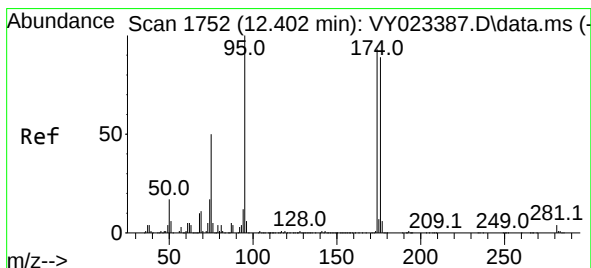
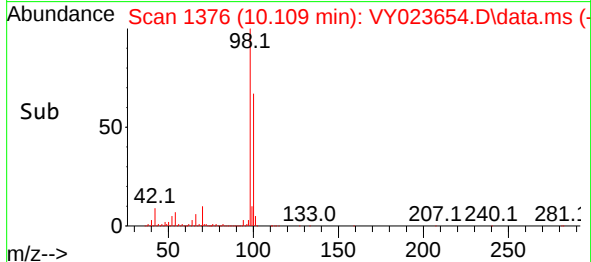
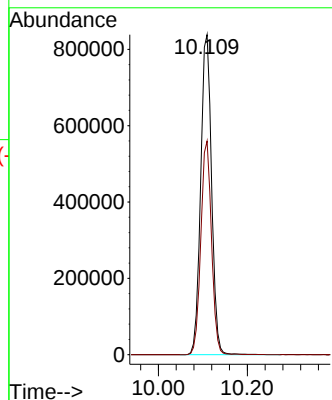
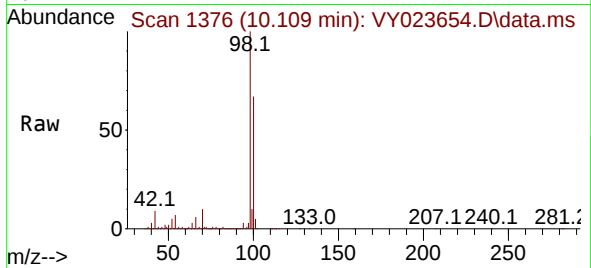




#50
Toluene-d8
Concen: 48.270 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023654.D
Acq: 03 Nov 2025 13:26

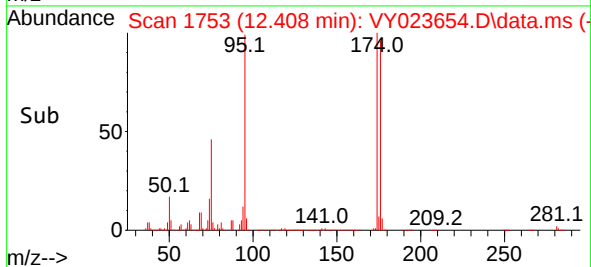
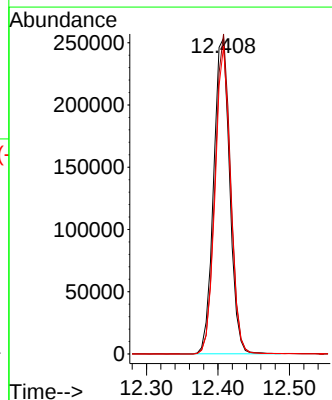
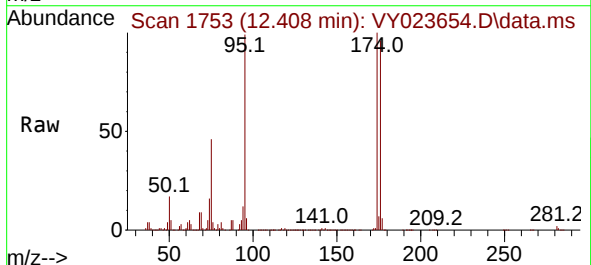
Instrument :
MSVOA_Y
ClientSampleId :

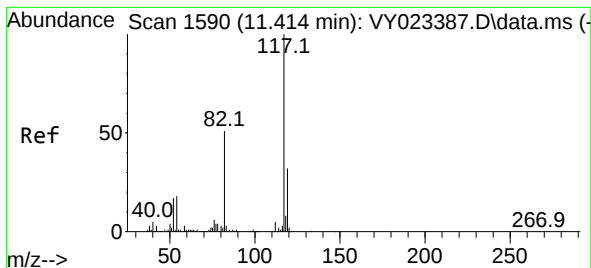
Tgt Ion: 98 Resp: 1428414
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 40.571 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023654.D
Acq: 03 Nov 2025 13:26

Tgt Ion: 95 Resp: 396366
Ion Ratio Lower Upper
95 100
174 98.2 0.0 192.8
176 93.4 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023654.D

Acq: 03 Nov 2025 13:26

Instrument :

MSVOA_Y

ClientSampleId :

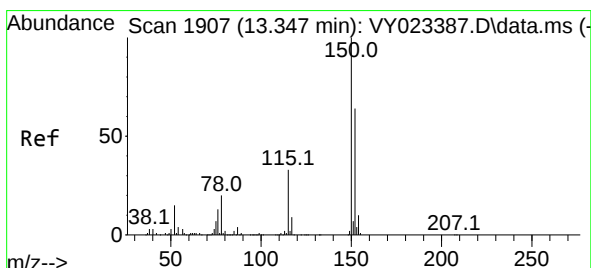
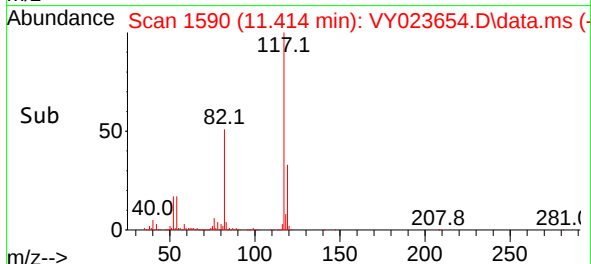
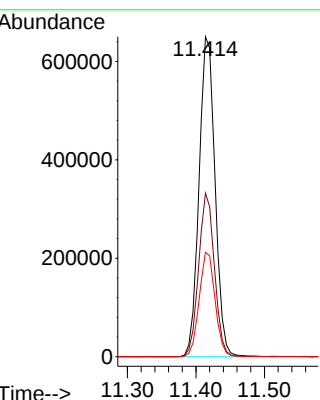
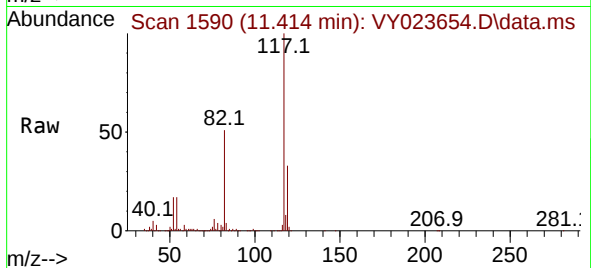
Tgt Ion:117 Resp: 1057990

Ion Ratio Lower Upper

117 100

82 51.1 41.0 61.4

119 32.7 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023654.D

Acq: 03 Nov 2025 13:26

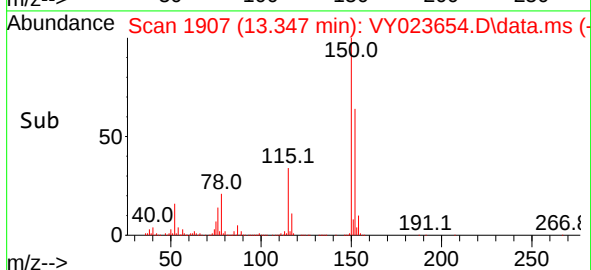
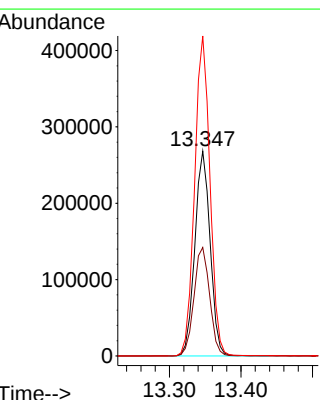
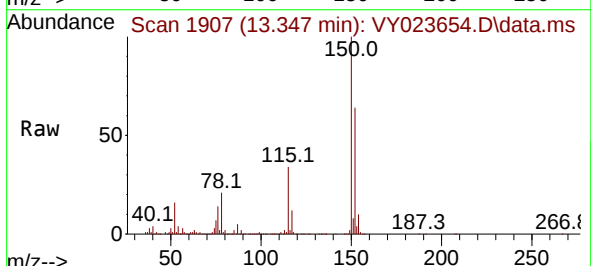
Tgt Ion:152 Resp: 399077

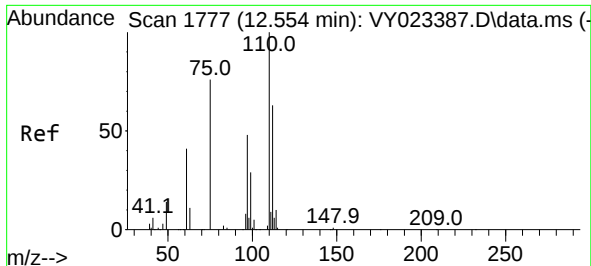
Ion Ratio Lower Upper

152 100

115 54.2 27.1 81.2

150 156.6 0.0 347.4

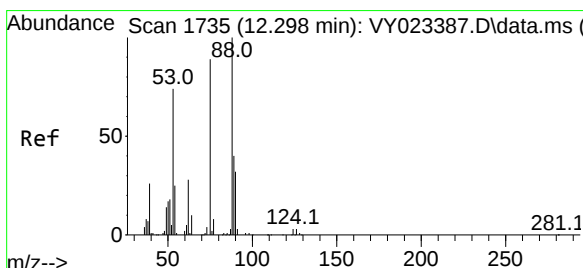
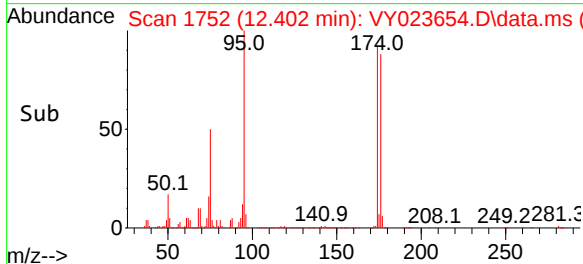
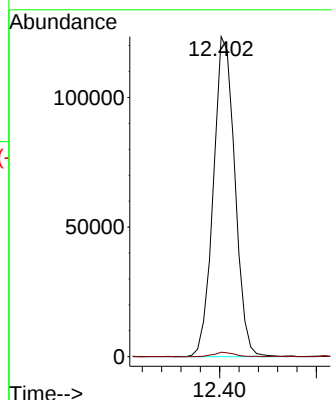
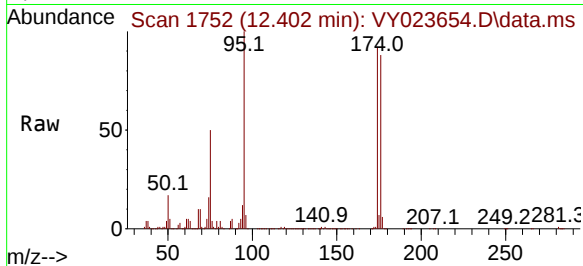




#76
1,2,3-Trichloropropane
Concen: 54.172 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY023654.D
Acq: 03 Nov 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 190737
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 132.841 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023654.D
Acq: 03 Nov 2025 13:26

Tgt Ion: 75 Resp: 190737
Ion Ratio Lower Upper
75 100
53 0.1 68.6 102.8#
89 0.0 39.0 58.4#

