

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111125\
 Data File : VY023737.D
 Acq On : 11 Nov 2025 14:04
 Operator : SY/MD
 Sample : Q3597-10
 Misc : 5.83g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

Quant Time: Nov 12 03:36:46 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)

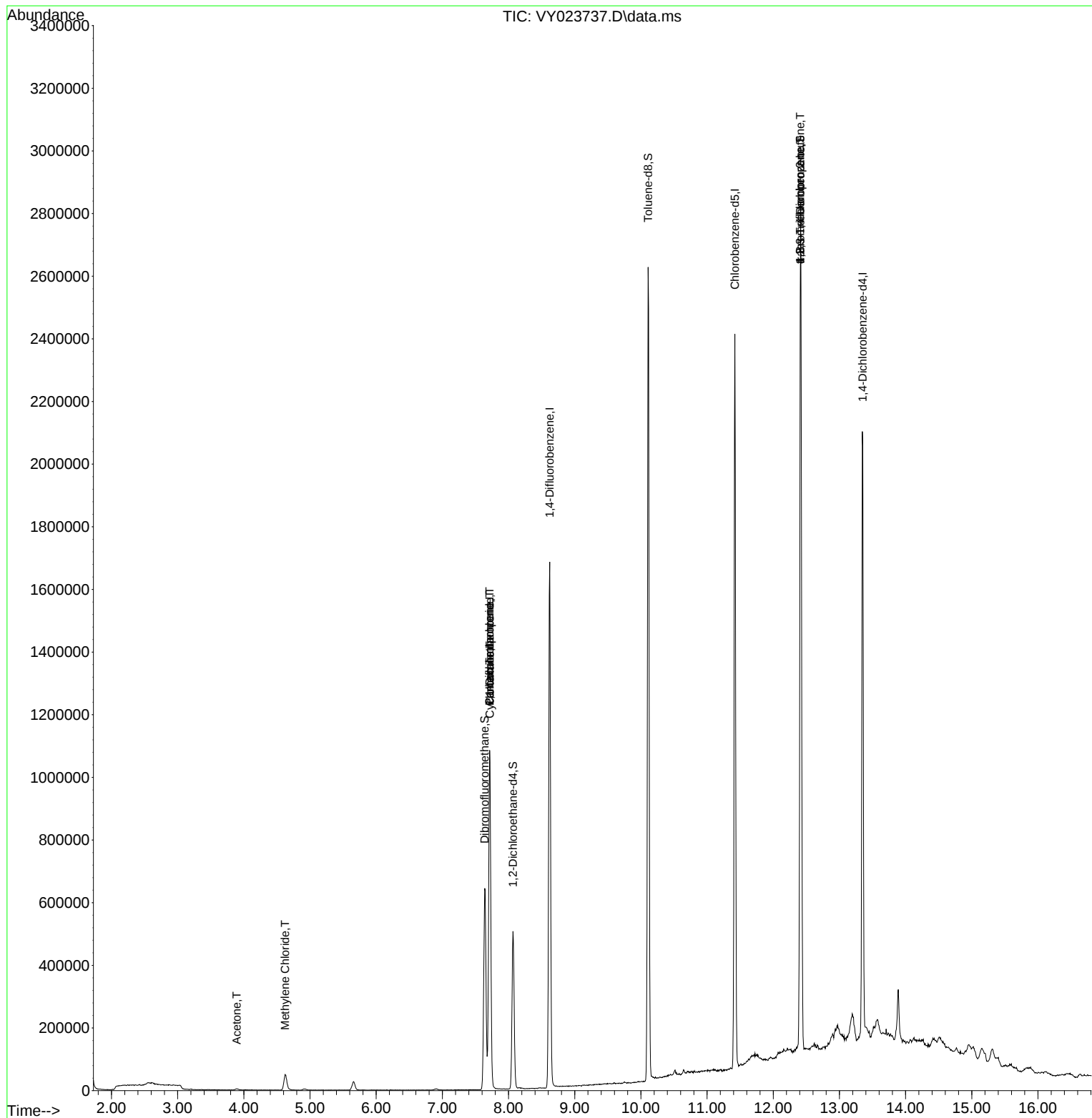
Internal Standards						
1) Pentafluorobenzene	7.713	168	912224	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1535133	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1304824	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	543897	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	393151	51.539	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.080%	
35) Dibromofluoromethane	7.640	113	466036	49.407	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.820%	
50) Toluene-d8	10.109	98	1755658	49.979	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.960%	
62) 4-Bromofluorobenzene	12.408	95	530533	45.745	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.500%	
Target Compounds						
					Qvalue	
16) Acetone	3.891	43	7118	3.920	ug/l	90
20) Methylene Chloride	4.622	84	41553	4.231	ug/l	99
31) Cyclohexane	7.719	56	14447	1.138	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	58562	4.690	ug/l #	49
38) Carbon Tetrachloride	7.713	117	82161	5.426	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	262489	54.701	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	262489	134.137	ug/l #	15

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

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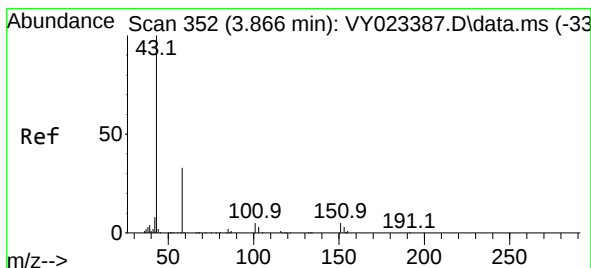
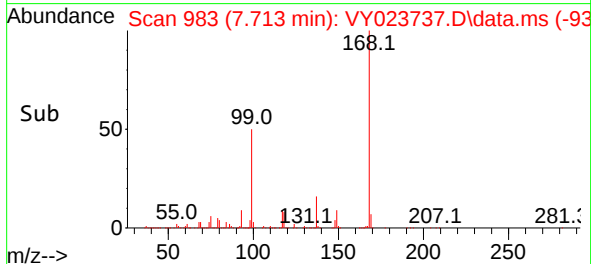
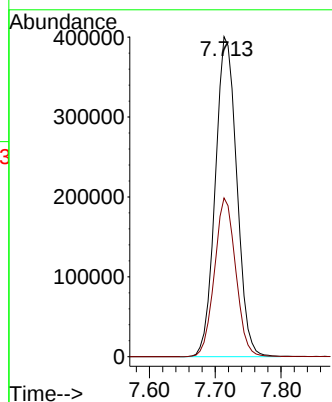
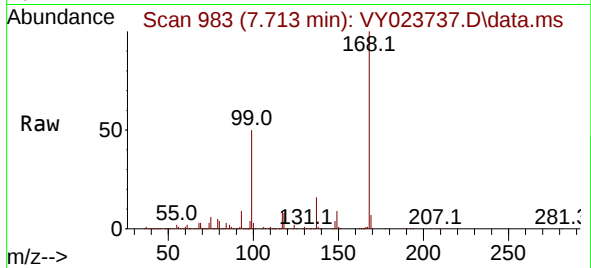




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023737.D
Acq: 11 Nov 2025 14:04

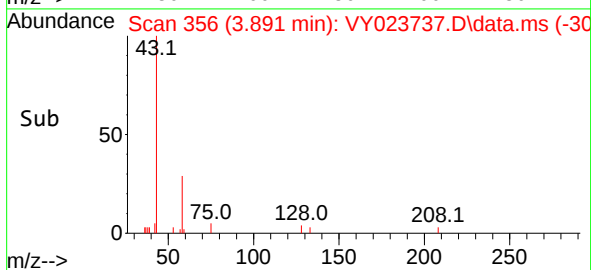
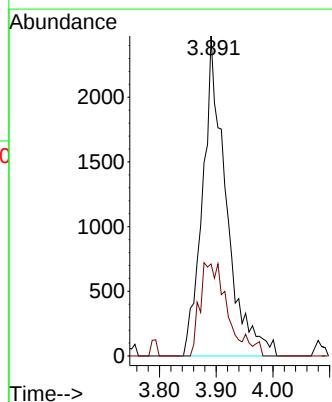
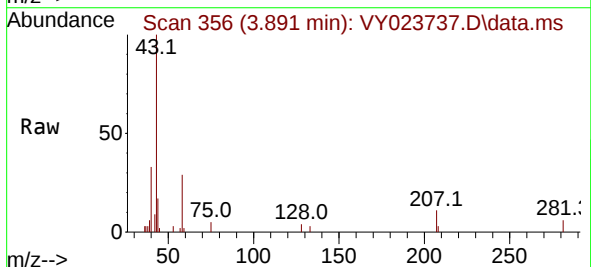
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

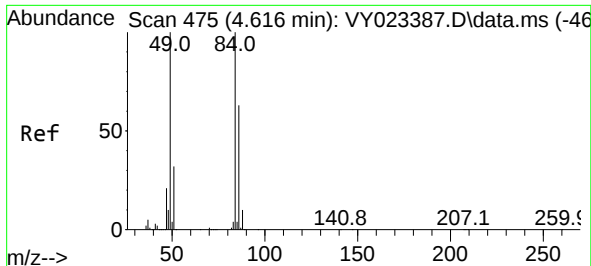
Tgt Ion:168 Resp: 912224
Ion Ratio Lower Upper
168 100
99 49.6 39.7 59.5



#16
Acetone
Concen: 3.920 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.024 min
Lab File: VY023737.D
Acq: 11 Nov 2025 14:04

Tgt Ion: 43 Resp: 7118
Ion Ratio Lower Upper
43 100
58 28.8 27.7 41.5

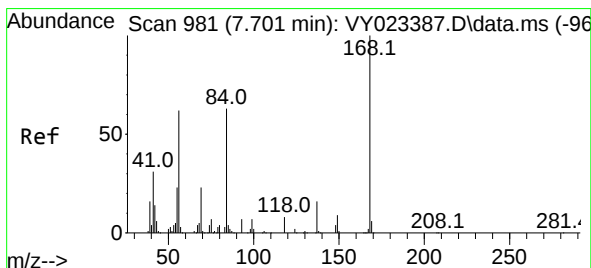
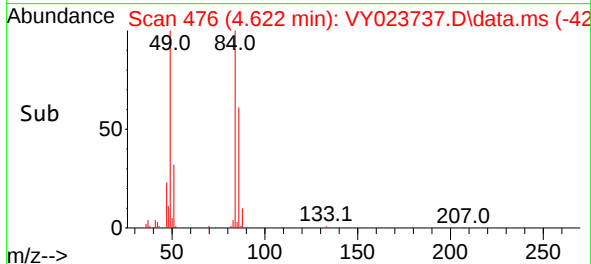
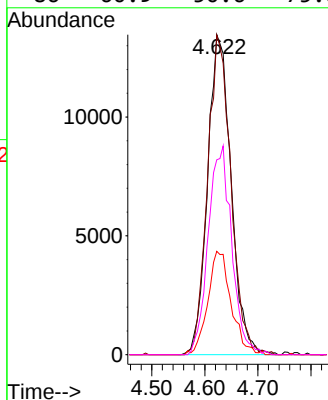
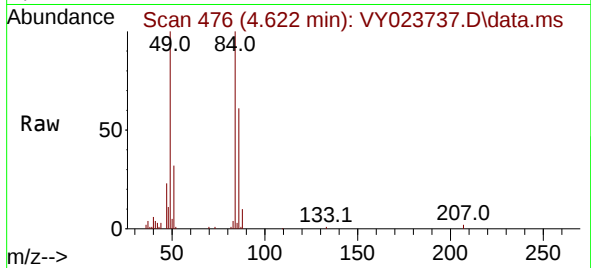




#20
Methylene Chloride
Concen: 4.231 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023737.D
Acq: 11 Nov 2025 14:04

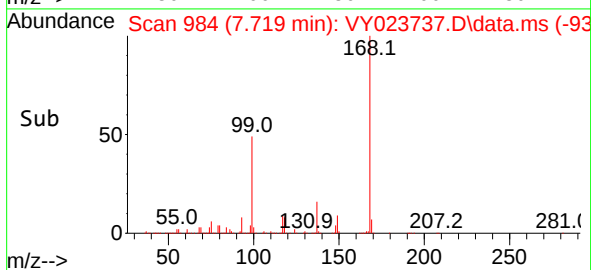
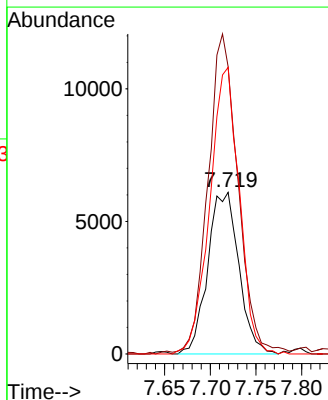
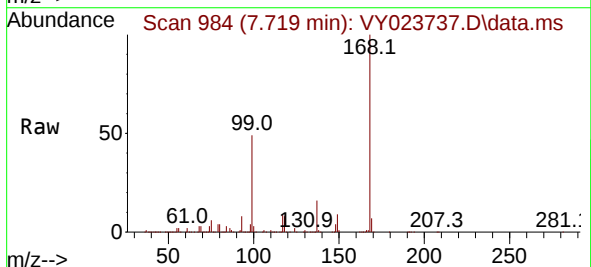
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

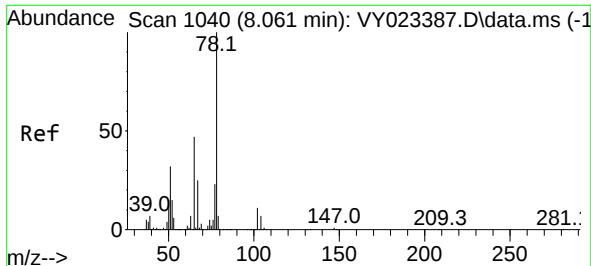
Tgt Ion:	84	Resp:	41553
Ion	Ratio	Lower	Upper
84	100		
49	99.8	80.2	120.4
51	32.3	25.9	38.9
86	60.9	50.6	75.8



#31
Cyclohexane
Concen: 1.138 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.018 min
Lab File: VY023737.D
Acq: 11 Nov 2025 14:04

Tgt Ion:	56	Resp:	14447
Ion	Ratio	Lower	Upper
56	100		
69	176.1	30.0	45.0#
84	177.2	81.2	121.8#





#33

1,2-Dichloroethane-d4

Concen: 51.539 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY023737.D

Acq: 11 Nov 2025 14:04

Instrument :

MSVOA_Y

ClientSampleId :

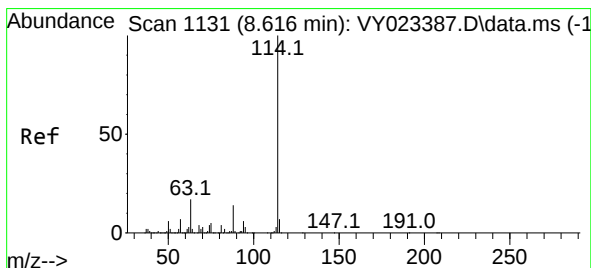
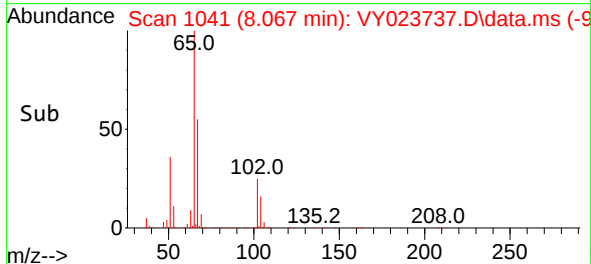
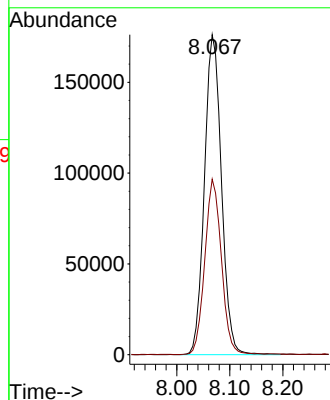
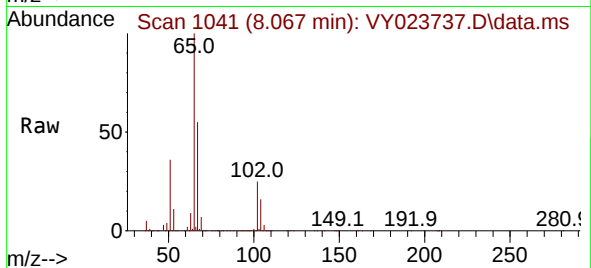
TP-4

Tgt Ion: 65 Resp: 393151

Ion Ratio Lower Upper

65 100

67 53.5 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY023737.D

Acq: 11 Nov 2025 14:04

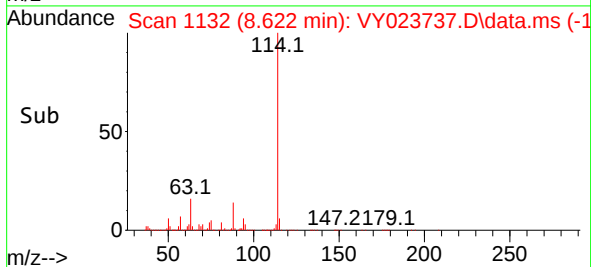
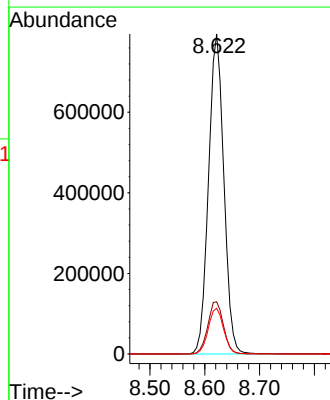
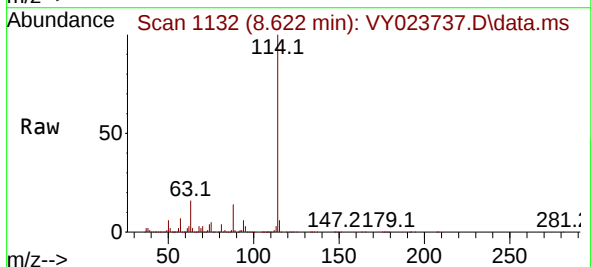
Tgt Ion: 114 Resp: 1535133

Ion Ratio Lower Upper

114 100

63 16.3 0.0 34.2

88 14.3 0.0 28.4

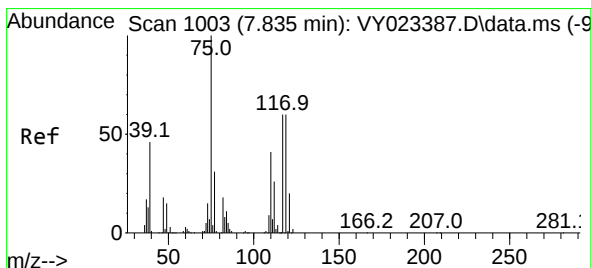
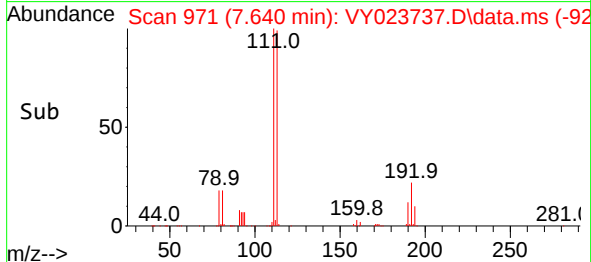
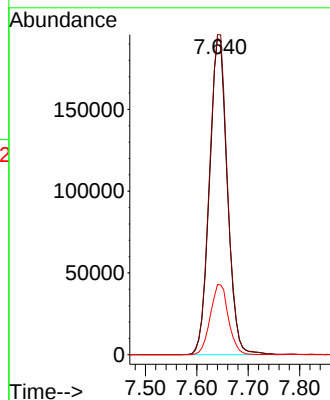
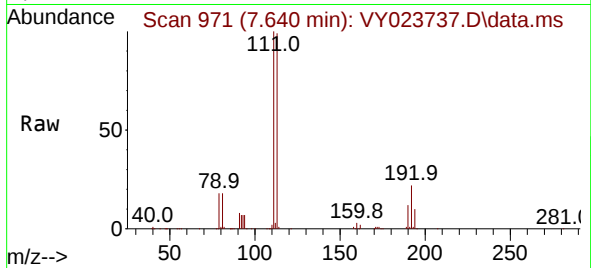




#35
Dibromofluoromethane
Concen: 49.407 ug/l
RT: 7.640 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY023737.D
Acq: 11 Nov 2025 14:04

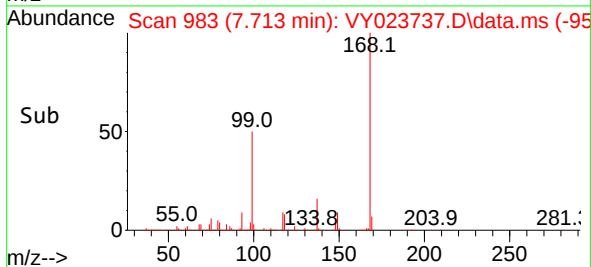
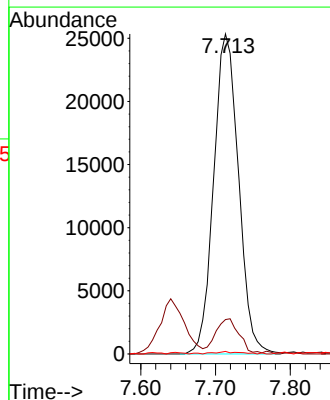
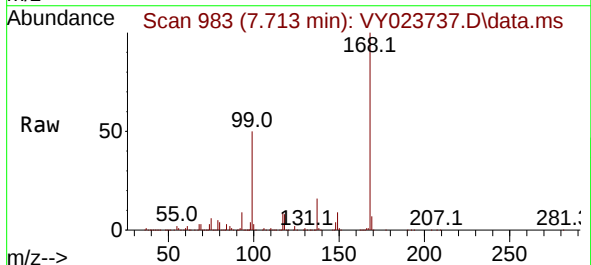
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

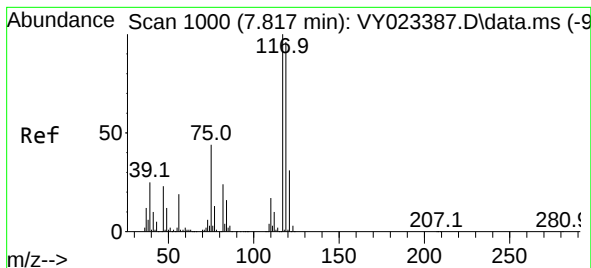
Tgt Ion:113 Resp: 466036
Ion Ratio Lower Upper
113 100
111 102.6 81.8 122.6
192 22.5 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.690 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY023737.D
Acq: 11 Nov 2025 14:04

Tgt Ion: 75 Resp: 58562
Ion Ratio Lower Upper
75 100
110 10.8 19.9 59.7#
77 0.7 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.426 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.104 min

Lab File: VY023737.D

Acq: 11 Nov 2025 14:04

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

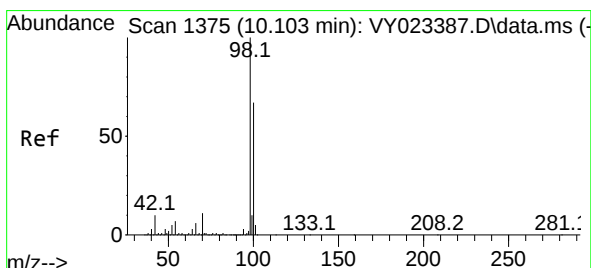
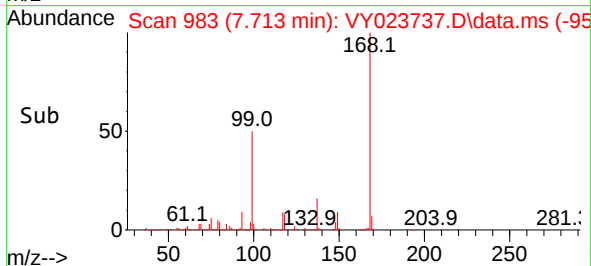
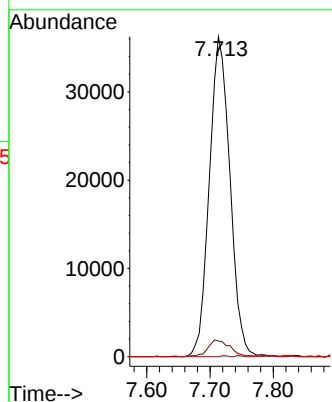
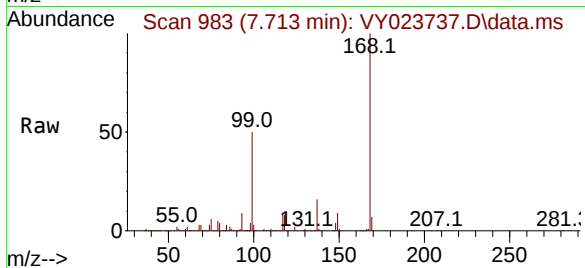
Tgt Ion:117 Resp: 82161

Ion Ratio Lower Upper

117 100

119 4.9 76.8 115.2#

121 0.0 24.5 36.7#



#50

Toluene-d8

Concen: 49.979 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023737.D

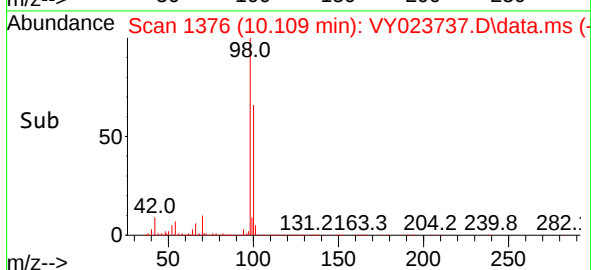
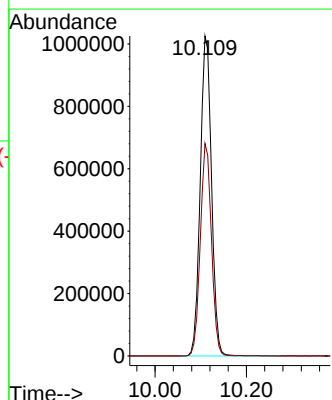
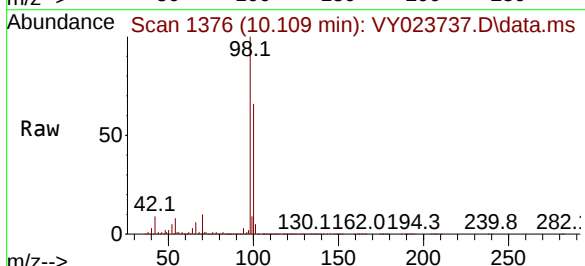
Acq: 11 Nov 2025 14:04

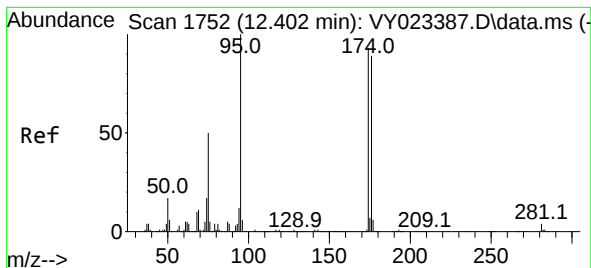
Tgt Ion: 98 Resp: 1755658

Ion Ratio Lower Upper

98 100

100 65.7 53.0 79.4





#62

4-Bromofluorobenzene

Concen: 45.745 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023737.D

Acq: 11 Nov 2025 14:04

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

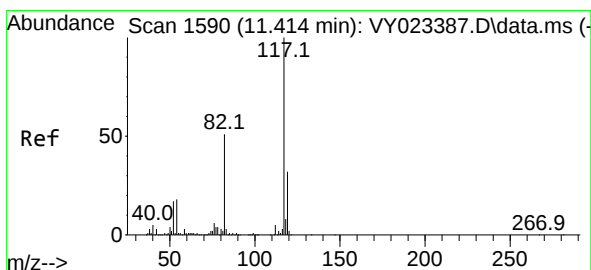
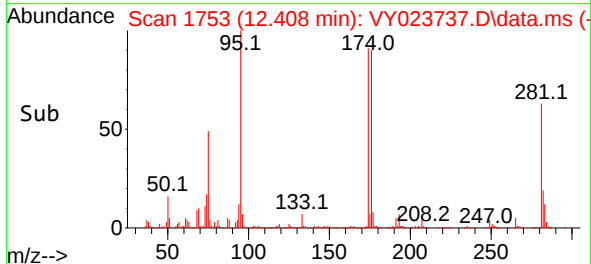
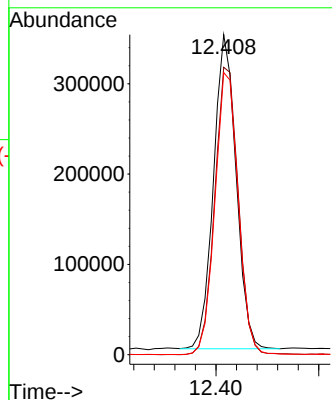
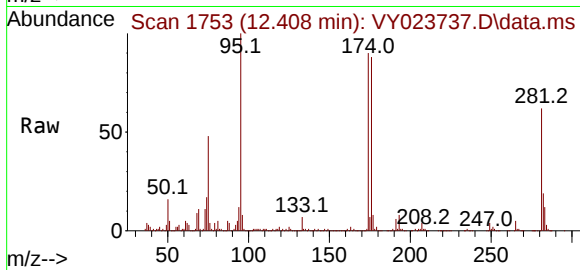
Tgt Ion: 95 Resp: 530533

Ion Ratio Lower Upper

95 100

174 95.5 0.0 192.8

176 92.6 0.0 187.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.006 min

Lab File: VY023737.D

Acq: 11 Nov 2025 14:04

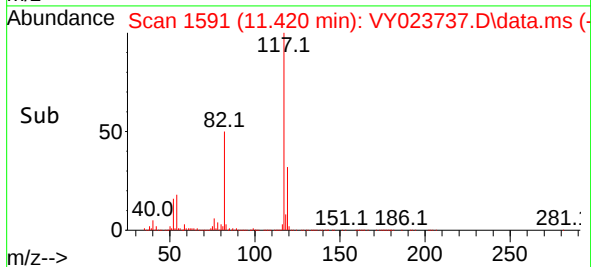
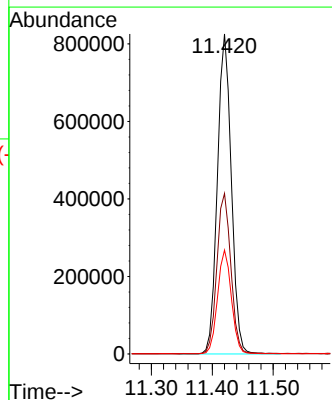
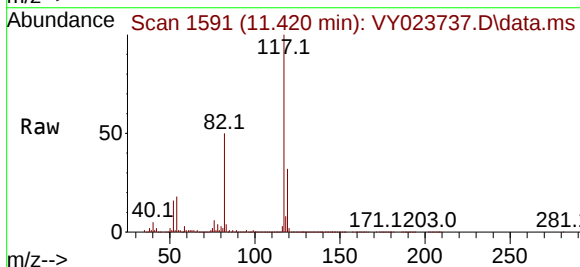
Tgt Ion: 117 Resp: 1304824

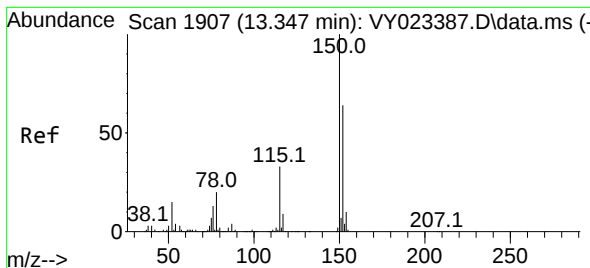
Ion Ratio Lower Upper

117 100

82 50.0 41.0 61.4

119 32.4 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY023737.D

Acq: 11 Nov 2025 14:04

Instrument :

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ClientSampleId :

TP-4

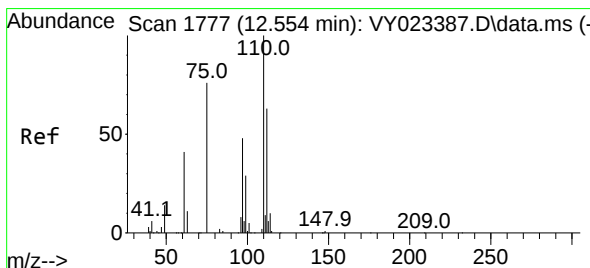
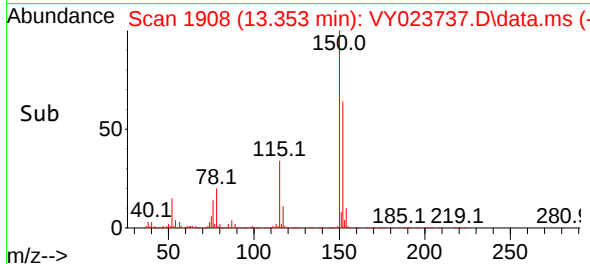
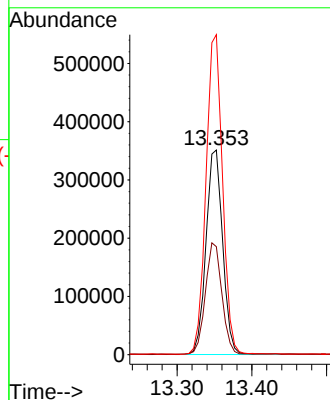
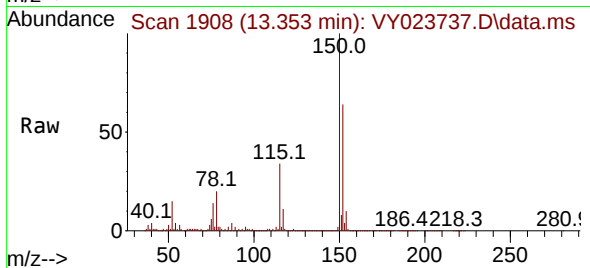
Tgt Ion:152 Resp: 543897

Ion Ratio Lower Upper

152 100

115 53.9 27.1 81.2

150 154.7 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 54.701 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023737.D

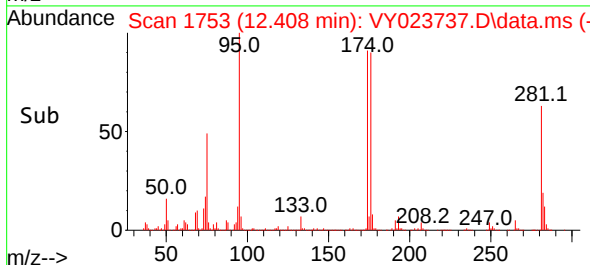
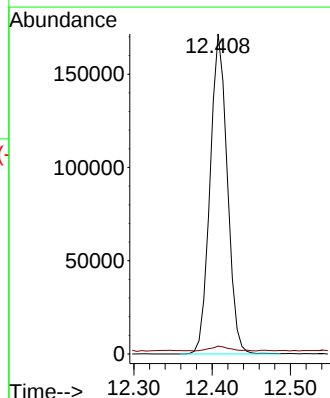
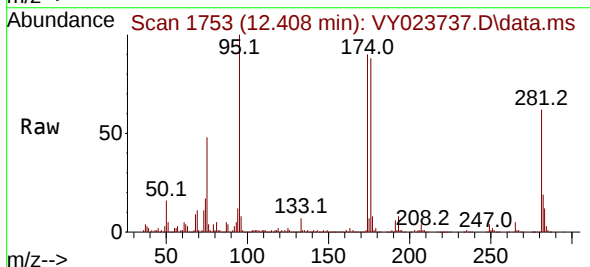
Acq: 11 Nov 2025 14:04

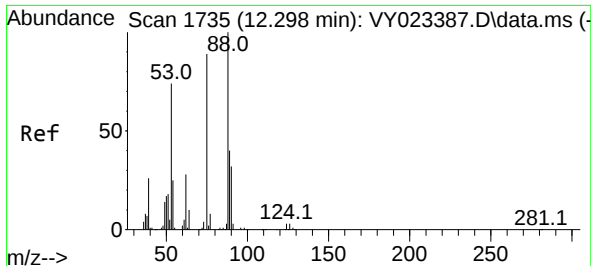
Tgt Ion: 75 Resp: 262489

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.137 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023737.D
 Acq: 11 Nov 2025 14:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

Tgt Ion: 75 Resp: 262489
 Ion Ratio Lower Upper
 75 100
 53 0.1 68.6 102.8#
 89 0.0 39.0 58.4#

