

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111025\
 Data File : VY023721.D
 Acq On : 10 Nov 2025 17:44
 Operator : SY/MD
 Sample : Q3597-01
 Misc : 6.27g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1

Quant Time: Nov 11 02:10:35 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)

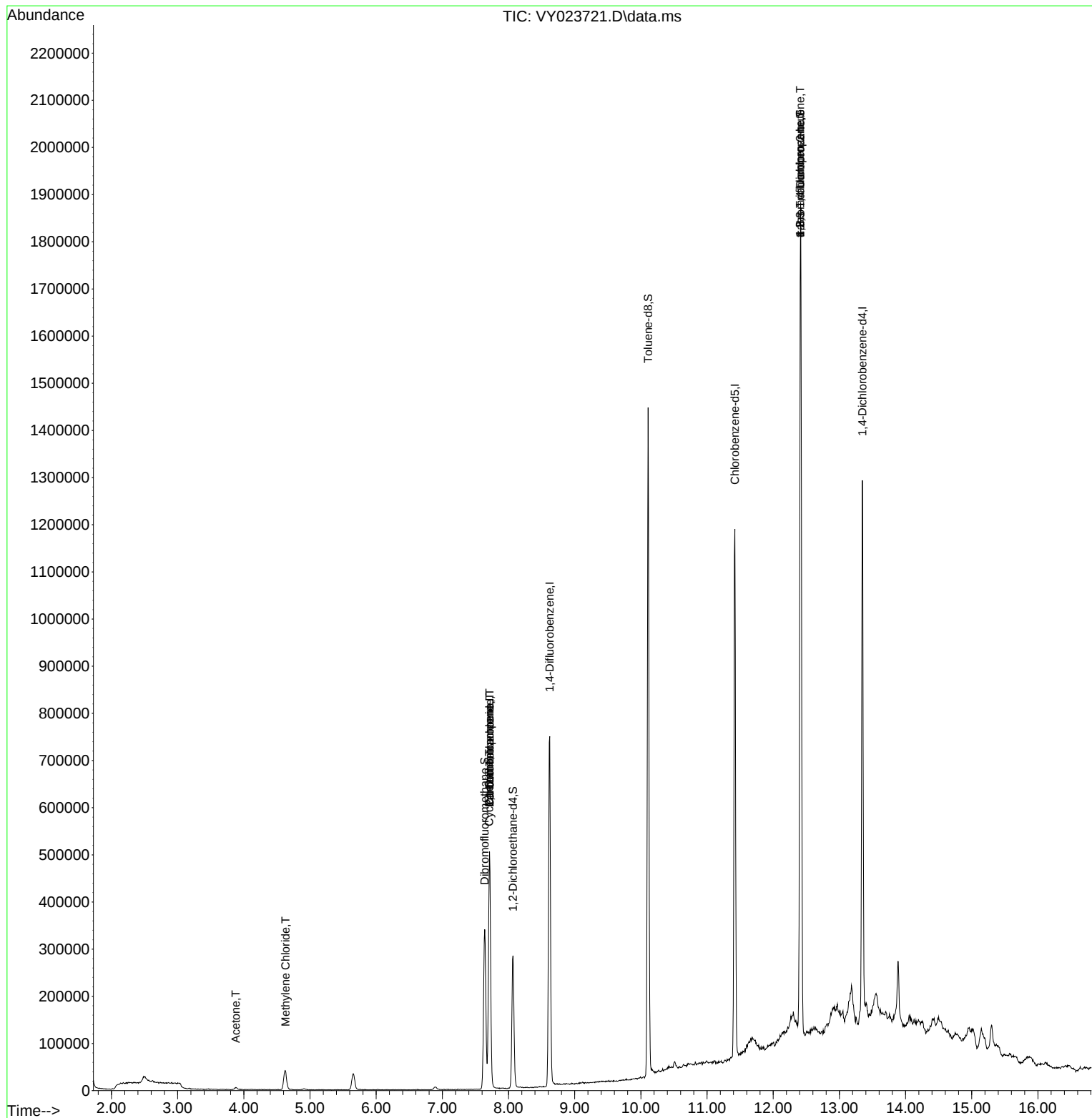
Internal Standards						
1) Pentafluorobenzene	7.713	168	414776	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	687106	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	635249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	305577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	223010	64.297	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.600%	
35) Dibromofluoromethane	7.640	113	245335	58.110	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.220%	
50) Toluene-d8	10.109	98	923004	58.704	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 117.400%	
62) 4-Bromofluorobenzene	12.407	95	311039	59.920	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 119.840%	
Target Compounds						
					Qvalue	
16) Acetone	3.878	43	7960	9.640	ug/l	93
20) Methylene Chloride	4.628	84	33861	7.584	ug/l	96
31) Cyclohexane	7.707	56	7348	1.274	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	26967	4.825	ug/l #	49
38) Carbon Tetrachloride	7.713	117	38641	5.701	ug/l #	17
76) 1,2,3-Trichloropropane	12.407	75	154889	57.451	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	154889	140.882	ug/l #	15

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

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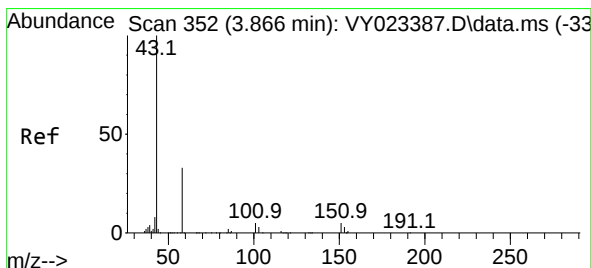
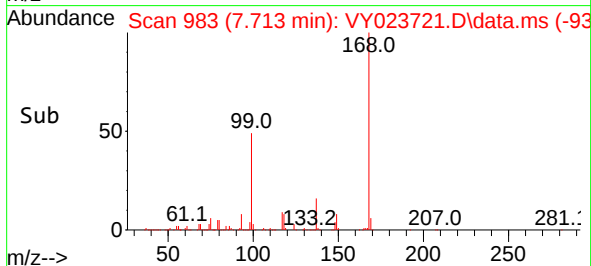
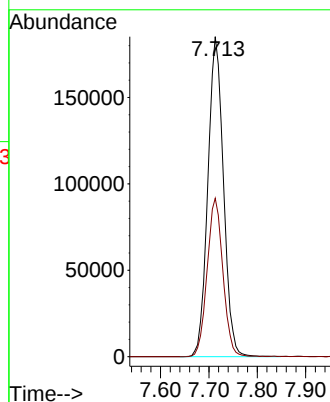
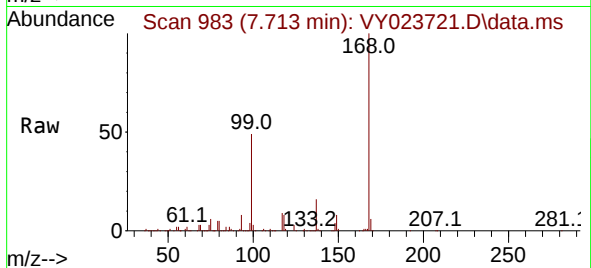




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023721.D
Acq: 10 Nov 2025 17:44

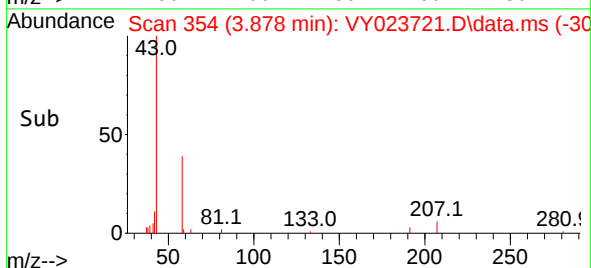
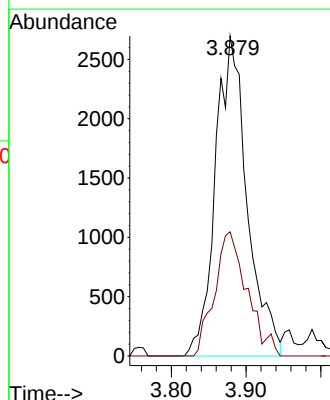
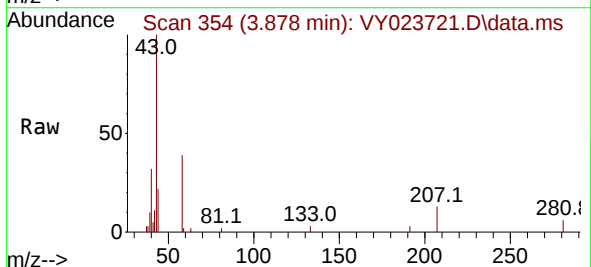
Instrument :
MSVOA_Y
ClientSampleId :
TP-1

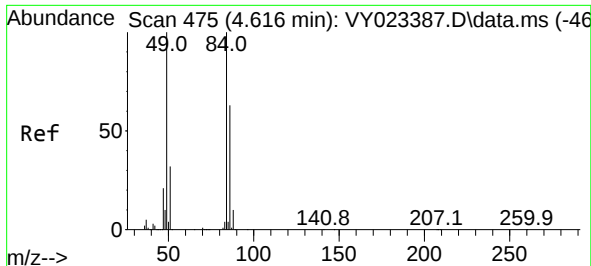
Tgt Ion:168 Resp: 414776
Ion Ratio Lower Upper
168 100
99 49.5 39.7 59.5



#16
Acetone
Concen: 9.640 ug/l
RT: 3.878 min Scan# 354
Delta R.T. 0.012 min
Lab File: VY023721.D
Acq: 10 Nov 2025 17:44

Tgt Ion: 43 Resp: 7960
Ion Ratio Lower Upper
43 100
58 38.8 27.7 41.5

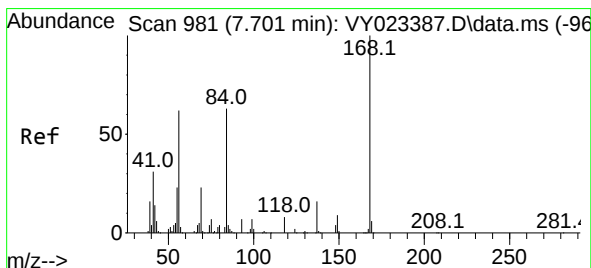
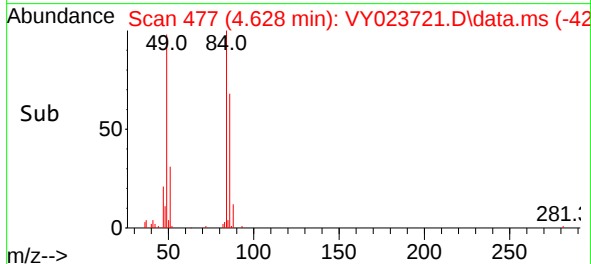
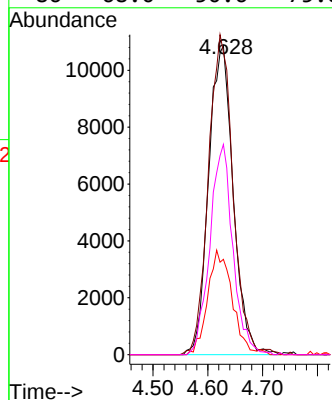
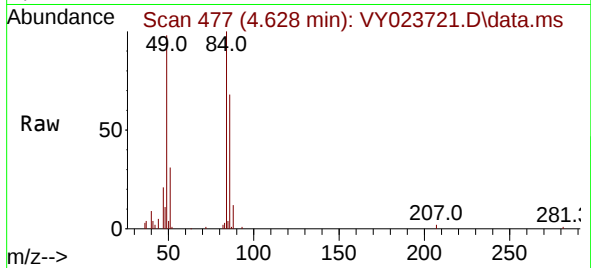




#20
Methylene Chloride
Concen: 7.584 ug/l
RT: 4.628 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY023721.D
Acq: 10 Nov 2025 17:44

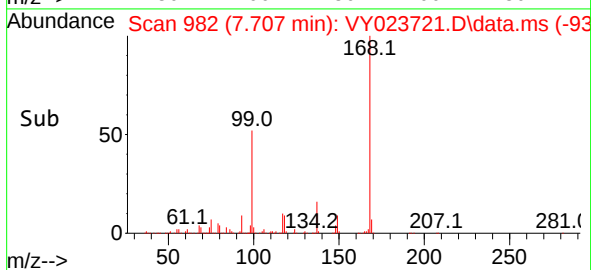
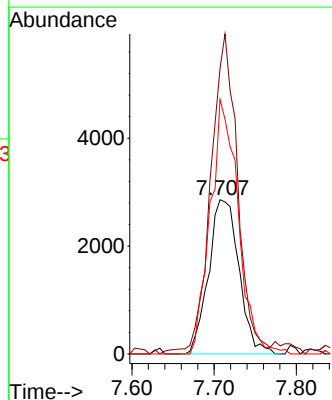
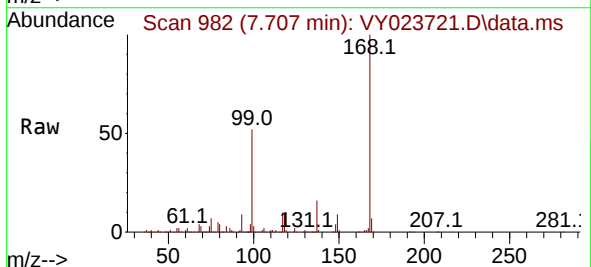
Instrument :
MSVOA_Y
ClientSampleId :
TP-1

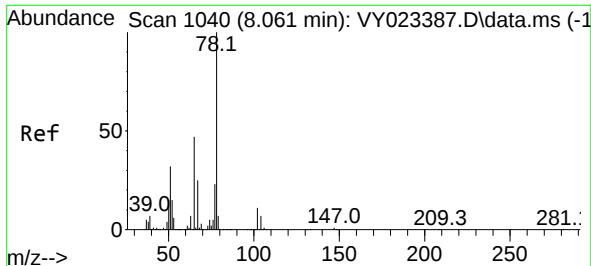
Tgt Ion:	84	Resp:	33861
Ion	Ratio	Lower	Upper
84	100		
49	97.9	80.2	120.4
51	30.9	25.9	38.9
86	68.0	50.6	75.8



#31
Cyclohexane
Concen: 1.274 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023721.D
Acq: 10 Nov 2025 17:44

Tgt Ion:	56	Resp:	7348
Ion	Ratio	Lower	Upper
56	100		
69	182.1	30.0	45.0#
84	165.1	81.2	121.8#





#33

1,2-Dichloroethane-d4

Concen: 64.297 ug/l

RT: 8.067 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023721.D

Acq: 10 Nov 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

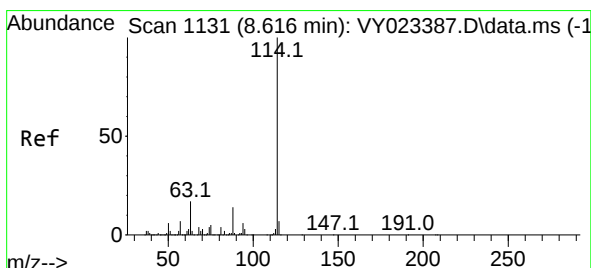
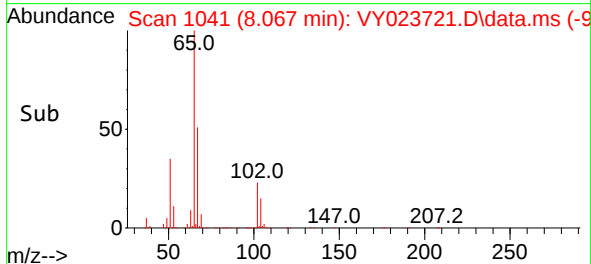
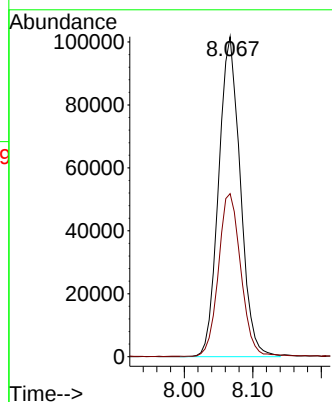
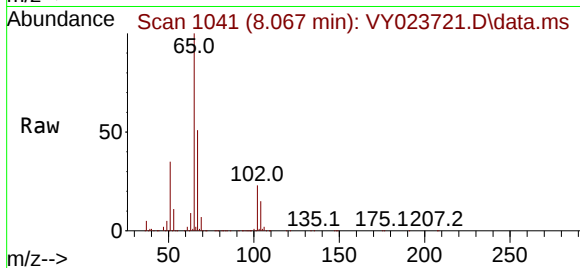
TP-1

Tgt Ion: 65 Resp: 223010

Ion Ratio Lower Upper

65 100

67 52.4 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: VY023721.D

Acq: 10 Nov 2025 17:44

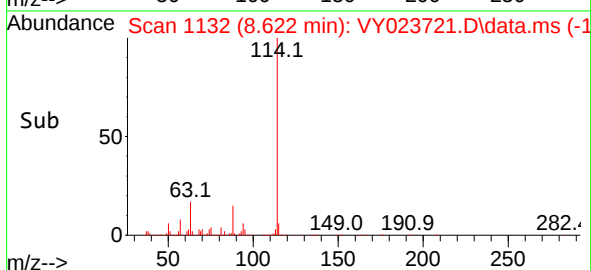
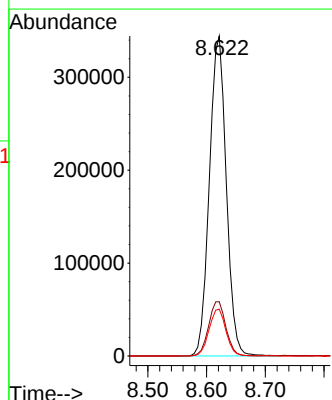
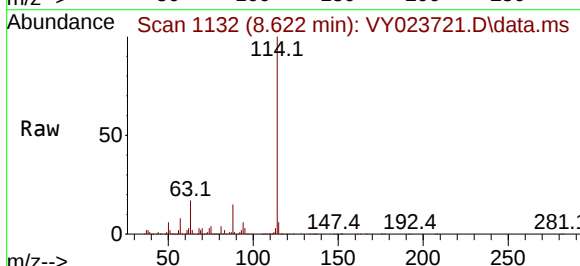
Tgt Ion: 114 Resp: 687106

Ion Ratio Lower Upper

114 100

63 16.9 0.0 34.2

88 14.6 0.0 28.4

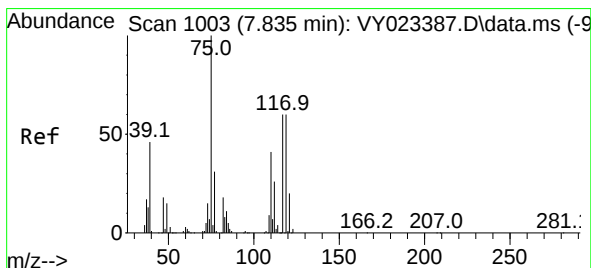
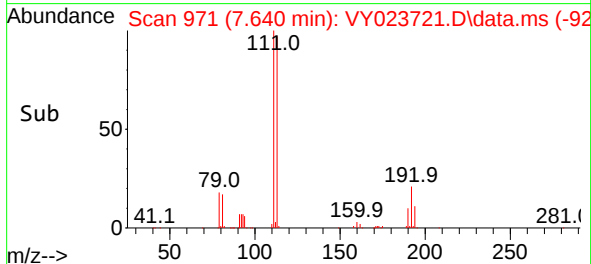
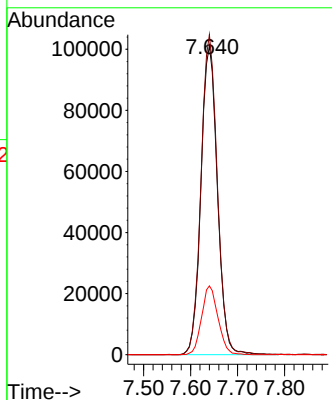
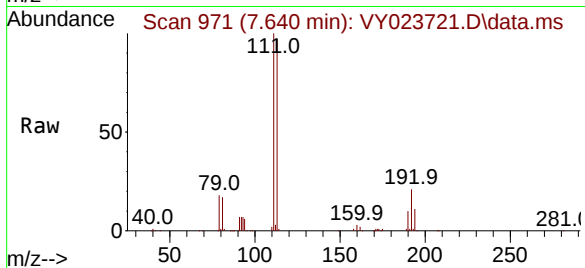




#35
Dibromofluoromethane
Concen: 58.110 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023721.D
Acq: 10 Nov 2025 17:44

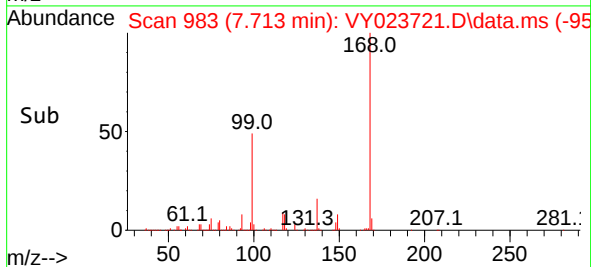
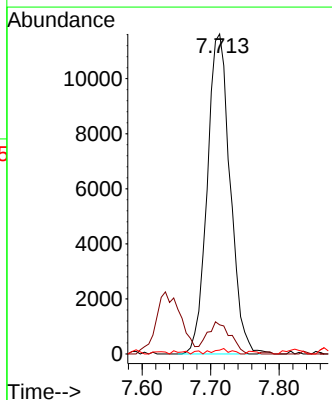
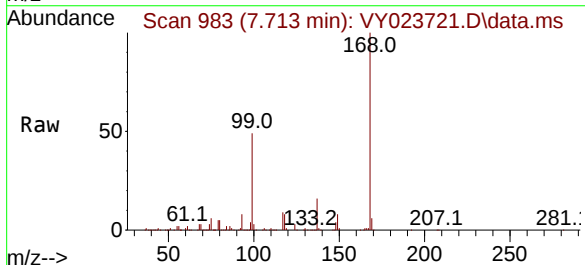
Instrument :
MSVOA_Y
ClientSampleId :
TP-1

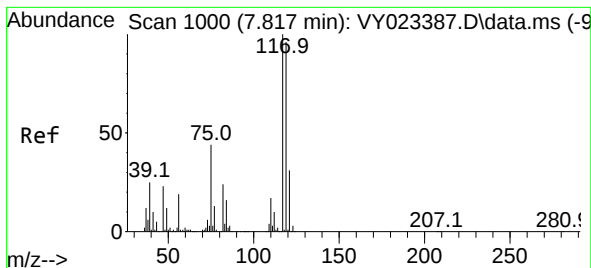
Tgt Ion:113 Resp: 245335
Ion Ratio Lower Upper
113 100
111 102.9 81.8 122.6
192 22.2 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.825 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY023721.D
Acq: 10 Nov 2025 17:44

Tgt Ion: 75 Resp: 26967
Ion Ratio Lower Upper
75 100
110 10.3 19.9 59.7#
77 1.2 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.701 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.104 min

Lab File: VY023721.D

Acq: 10 Nov 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

TP-1

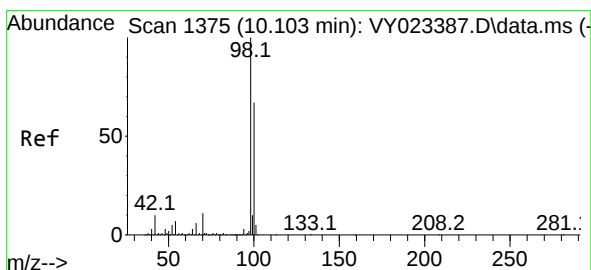
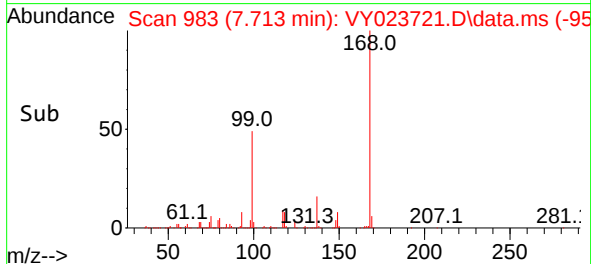
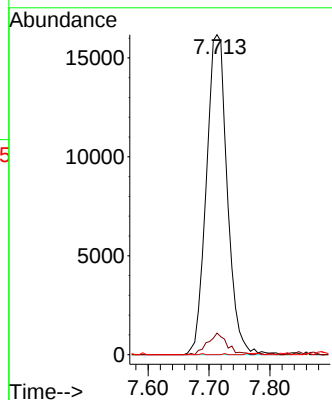
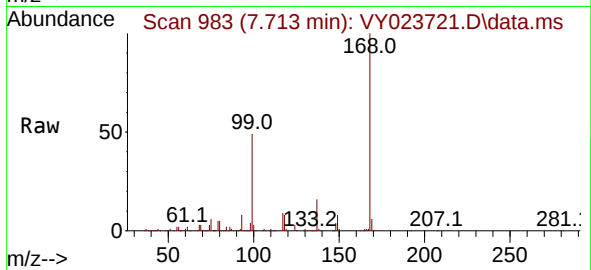
Tgt Ion:117 Resp: 38641

Ion Ratio Lower Upper

117 100

119 6.8 76.8 115.2#

121 0.0 24.5 36.7#



#50

Toluene-d8

Concen: 58.704 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023721.D

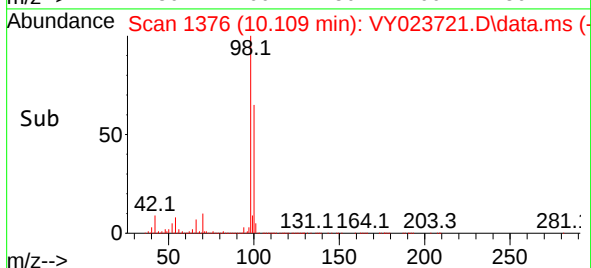
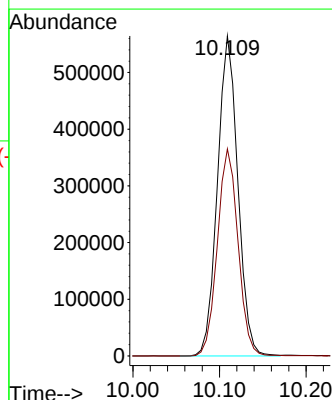
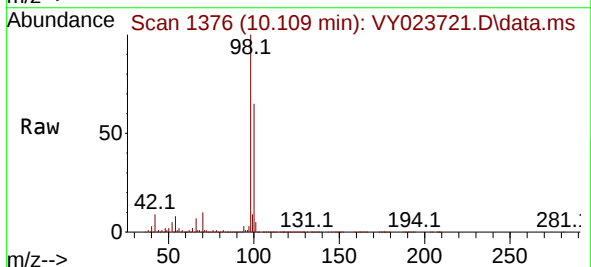
Acq: 10 Nov 2025 17:44

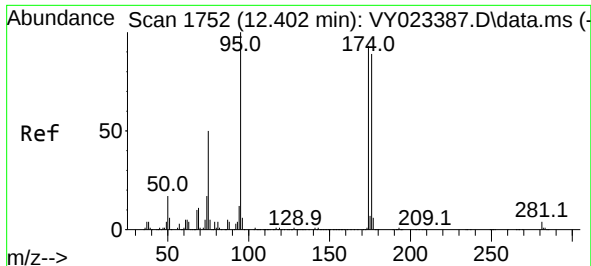
Tgt Ion: 98 Resp: 923004

Ion Ratio Lower Upper

98 100

100 65.7 53.0 79.4

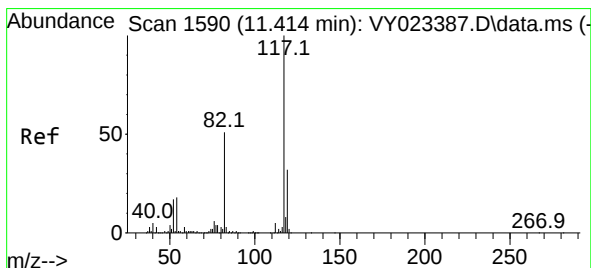
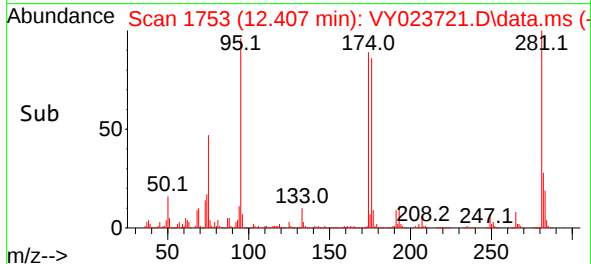
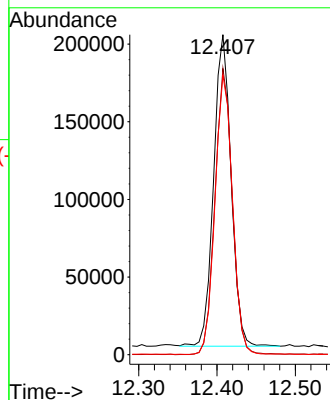
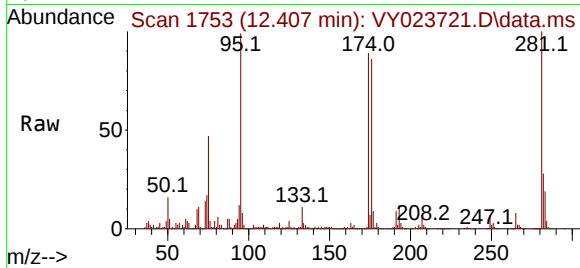




#62
4-Bromofluorobenzene
Concen: 59.920 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023721.D
Acq: 10 Nov 2025 17:44

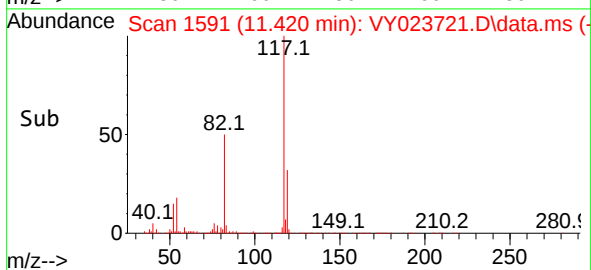
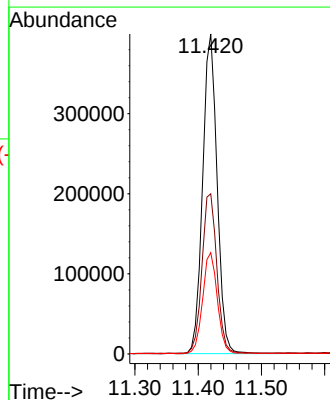
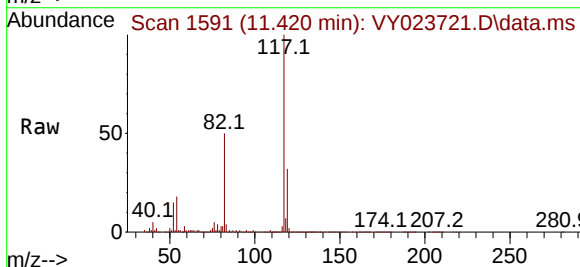
Instrument :
MSVOA_Y
ClientSampleId :
TP-1

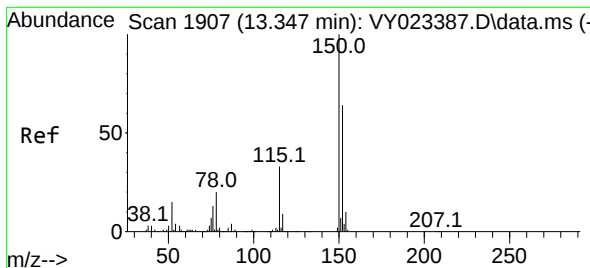
Tgt Ion: 95 Resp: 311039
Ion Ratio Lower Upper
95 100
174 91.2 0.0 192.8
176 90.0 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023721.D
Acq: 10 Nov 2025 17:44

Tgt Ion: 117 Resp: 635249
Ion Ratio Lower Upper
117 100
82 49.8 41.0 61.4
119 31.6 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023721.D

Acq: 10 Nov 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

TP-1

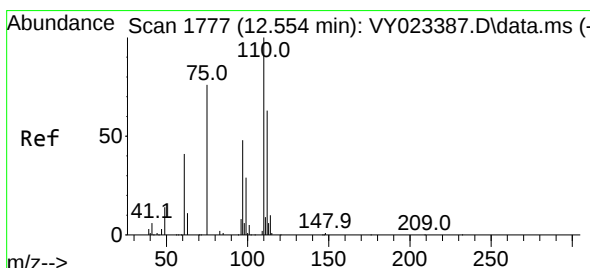
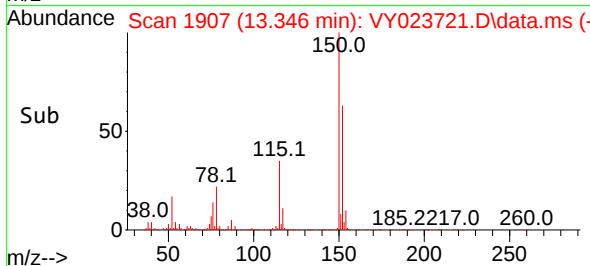
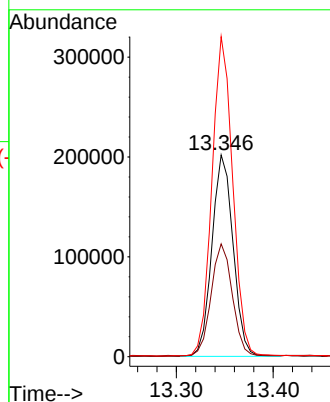
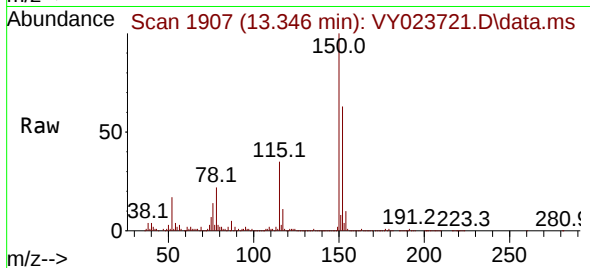
Tgt Ion:152 Resp: 305577

Ion Ratio Lower Upper

152 100

115 55.2 27.1 81.2

150 156.0 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 57.451 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023721.D

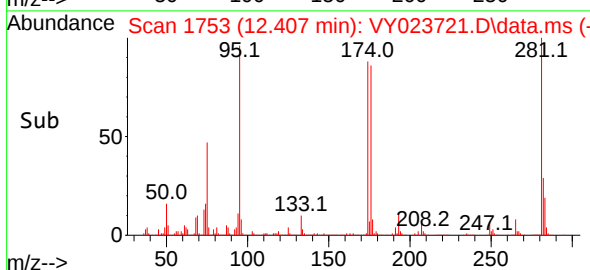
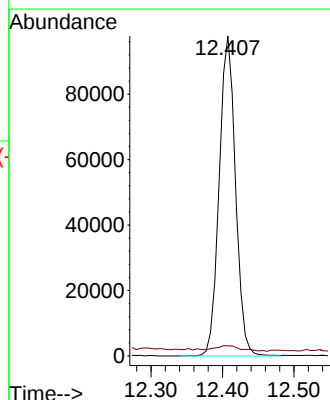
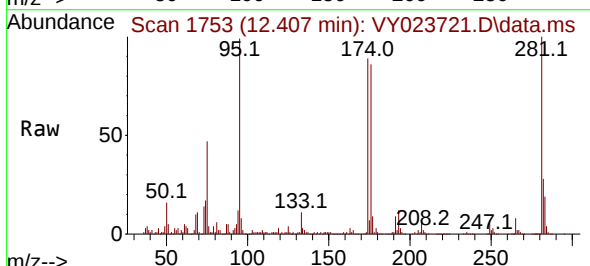
Acq: 10 Nov 2025 17:44

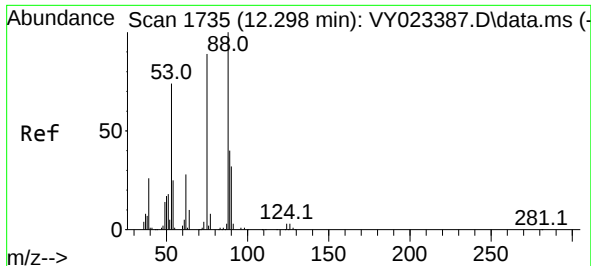
Tgt Ion: 75 Resp: 154889

Ion Ratio Lower Upper

75 100

77 2.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 140.882 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023721.D
 Acq: 10 Nov 2025 17:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1

Tgt Ion: 75 Resp: 154889
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.6 102.8#
 89 1.9 39.0 58.4#

