

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121125\
 Data File : VY023957.D
 Acq On : 11 Dec 2025 16:05
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Dec 12 03:25:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 03:57:51 2025
 Response via : Initial Calibration

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

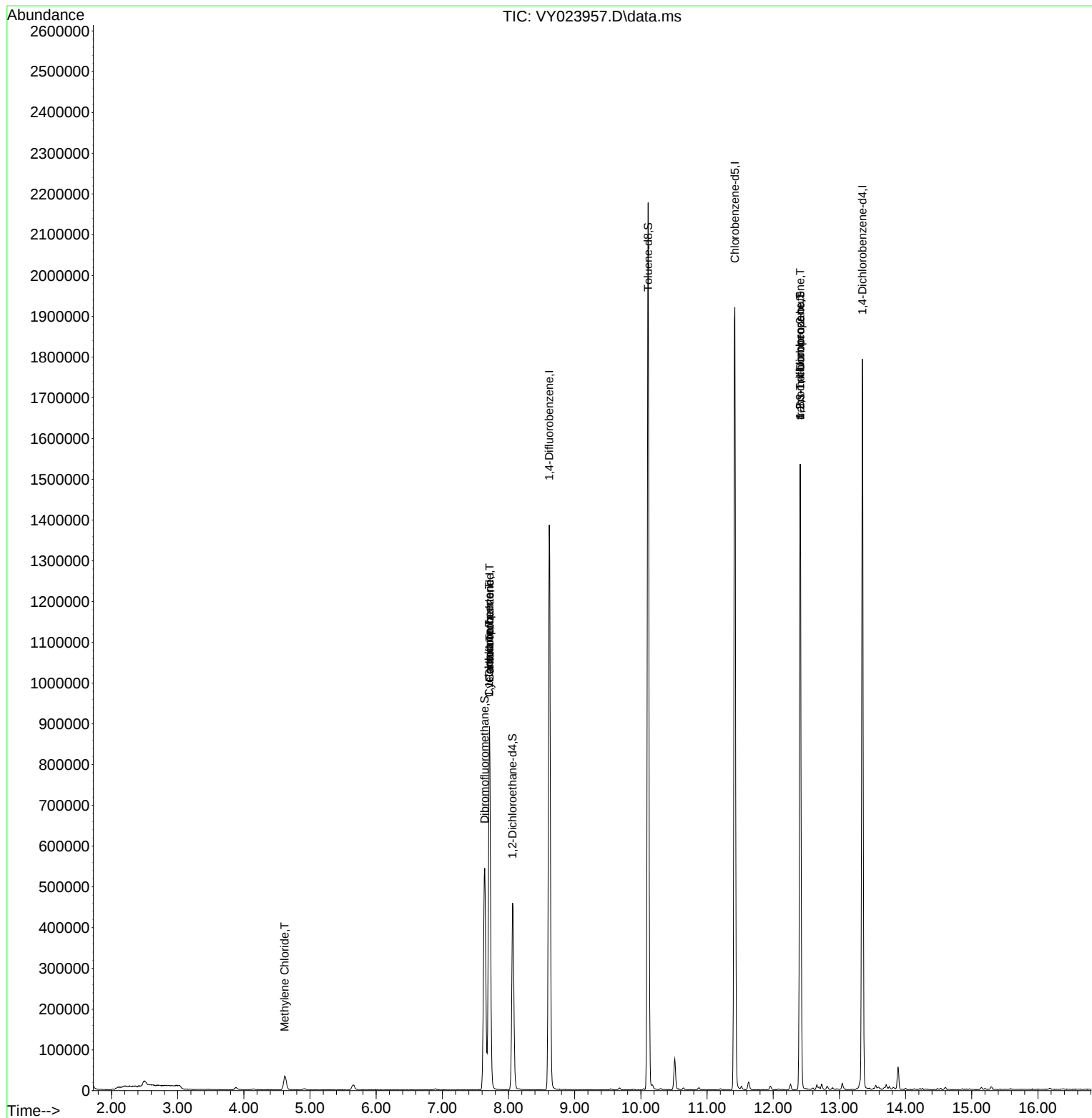
Internal Standards						
1) Pentafluorobenzene	7.713	168	732493	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1252100	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1089550	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	467455	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	358987	55.431	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.860%
35) Dibromofluoromethane	7.640	113	396122	48.397	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.800%
50) Toluene-d8	10.109	98	1423099	46.700	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.400%
62) 4-Bromofluorobenzene	12.408	95	430361	42.289	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.580%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.025	142	338	Below Cal	#	91
16) Acetone	3.885	43	10017	Below Cal	#	78
20) Methylene Chloride	4.616	84	26041	3.418	ug/l	91
31) Cyclohexane	7.707	56	12431	1.119	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	48742	4.374	ug/l #	48
38) Carbon Tetrachloride	7.713	117	66617	4.932	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	217217	54.934	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	217217	125.042	ug/l #	12

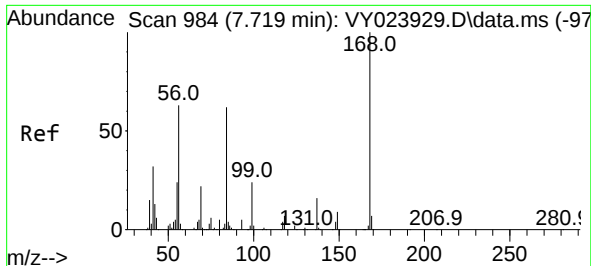
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 2 Sample Multiplier: 1

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ClientSampleId :
VIBLK

Quant Time: Dec 12 03:25:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 11 03:57:51 2025
Response via : Initial Calibration

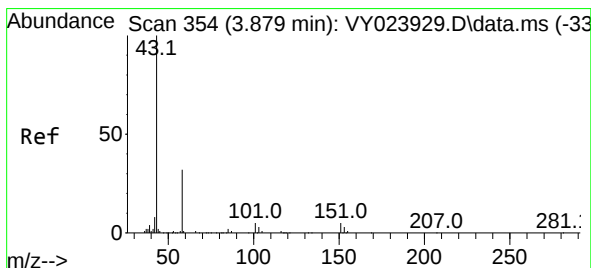
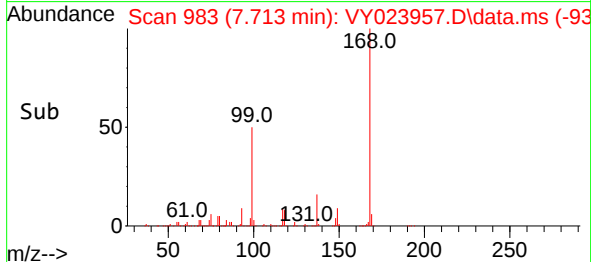
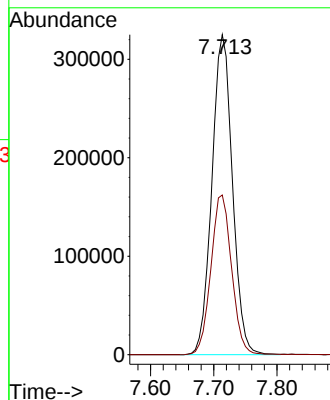
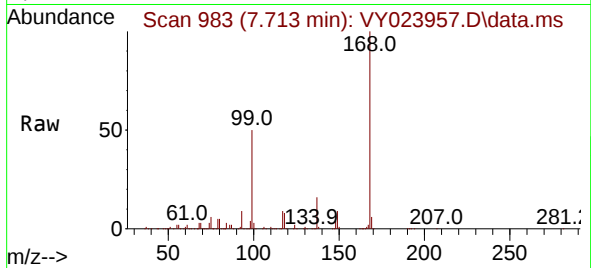




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY023957.D
Acq: 11 Dec 2025 16:05

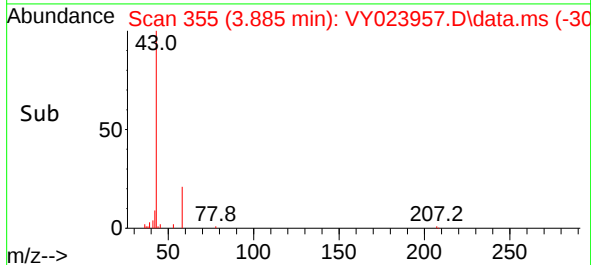
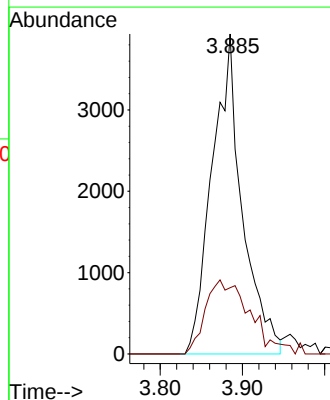
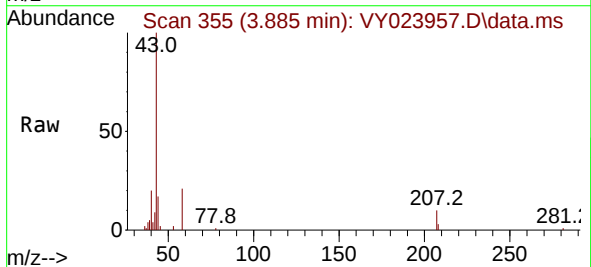
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

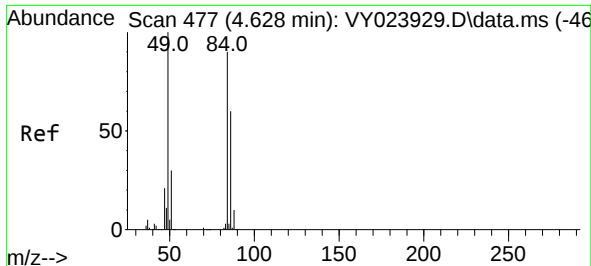
Tgt Ion:168 Resp: 732493
Ion Ratio Lower Upper
168 100
99 49.9 38.9 58.3



#16
Acetone
Concen: Below Cal
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY023957.D
Acq: 11 Dec 2025 16:05

Tgt Ion: 43 Resp: 10017
Ion Ratio Lower Upper
43 100
58 20.7 26.4 39.6#

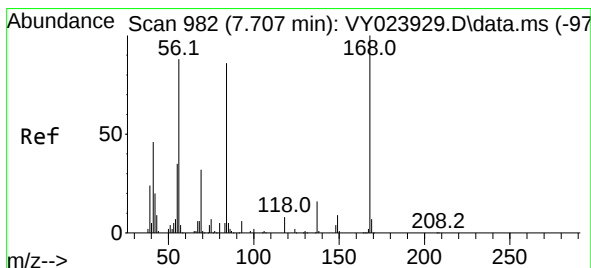
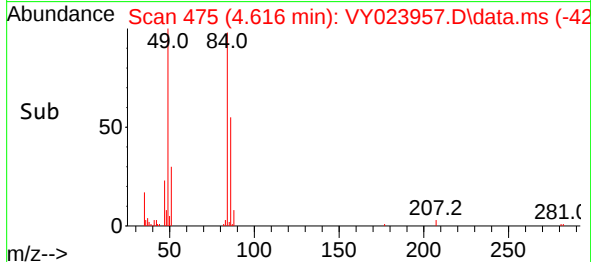
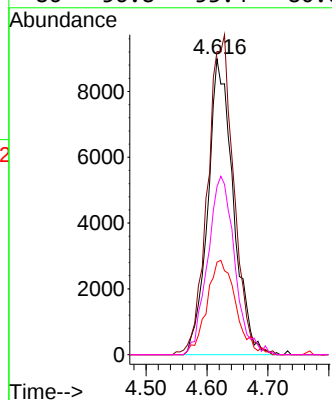
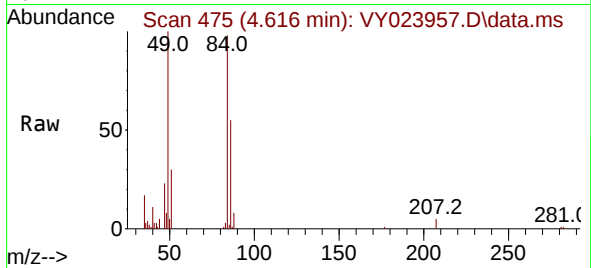




#20
Methylene Chloride
Concen: 3.418 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY023957.D
Acq: 11 Dec 2025 16:05

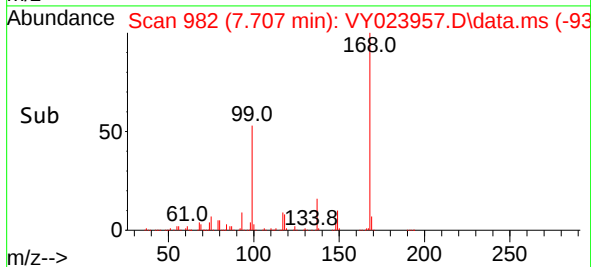
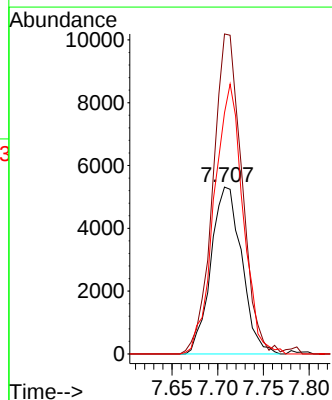
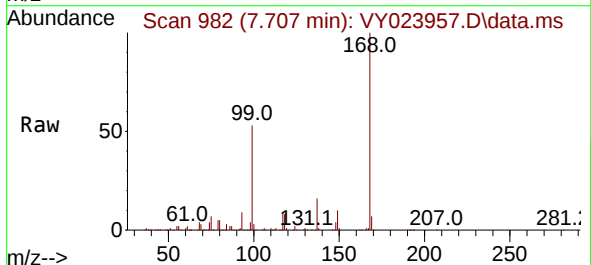
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

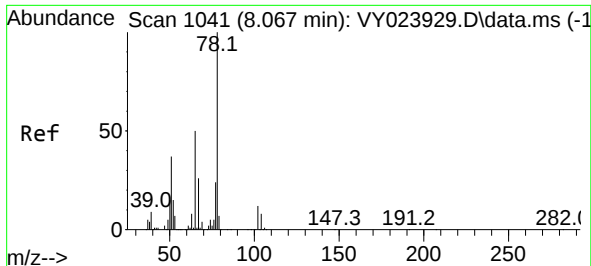
Tgt Ion:	84	Resp:	26041
Ion	Ratio	Lower	Upper
84	100		
49	102.5	89.1	133.7
51	31.2	26.6	39.8
86	56.8	53.4	80.0



#31
Cyclohexane
Concen: 1.119 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023957.D
Acq: 11 Dec 2025 16:05

Tgt Ion:	56	Resp:	12431
Ion	Ratio	Lower	Upper
56	100		
69	191.8	29.1	43.7#
84	144.7	77.8	116.8#





#33

1,2-Dichloroethane-d4

Concen: 55.431 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY023957.D

Acq: 11 Dec 2025 16:05

Instrument :

MSVOA_Y

ClientSampleId :

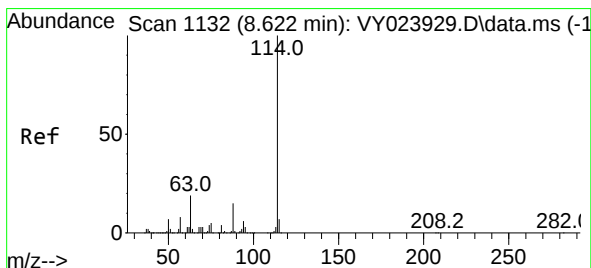
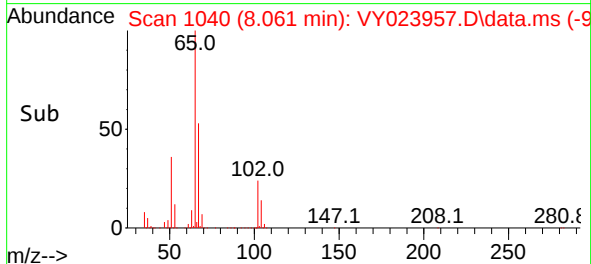
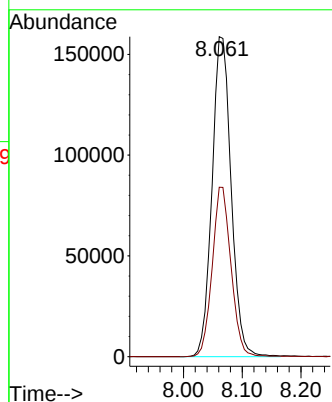
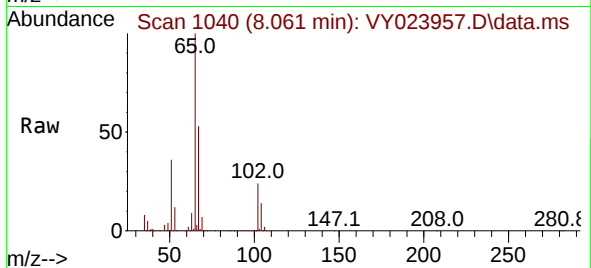
VIBLK

Tgt Ion: 65 Resp: 358987

Ion Ratio Lower Upper

65 100

67 52.1 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY023957.D

Acq: 11 Dec 2025 16:05

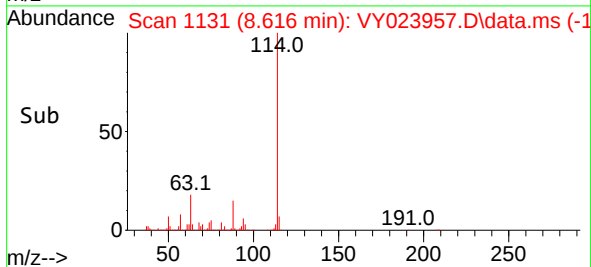
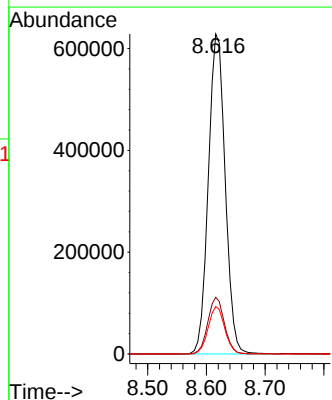
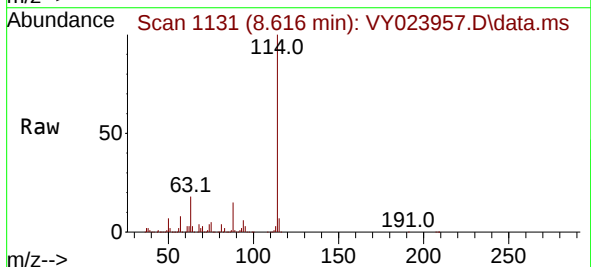
Tgt Ion:114 Resp: 1252100

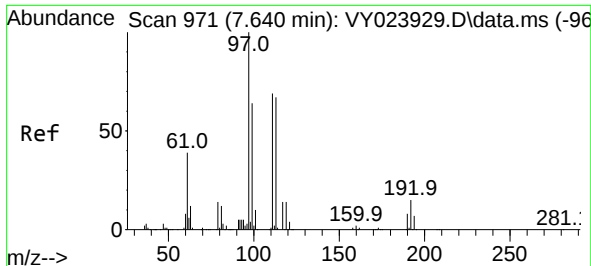
Ion Ratio Lower Upper

114 100

63 17.7 0.0 37.2

88 14.8 0.0 29.4

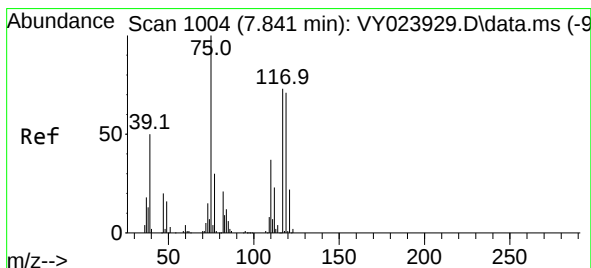
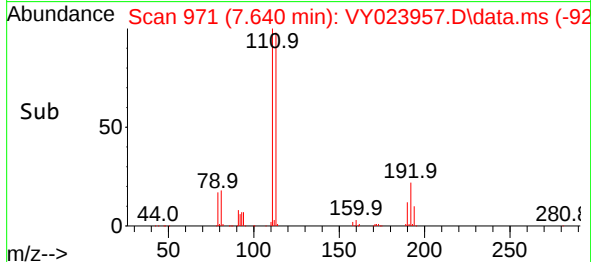
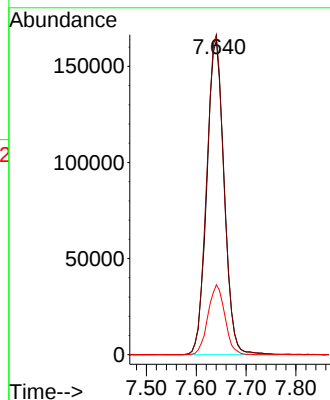
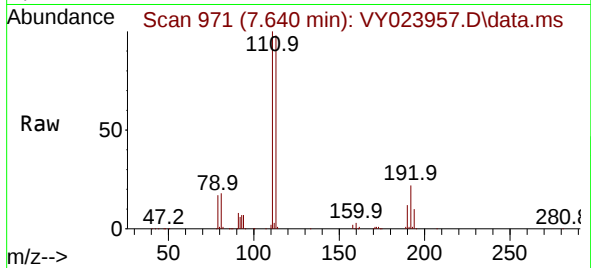




#35
Dibromofluoromethane
Concen: 48.397 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023957.D
Acq: 11 Dec 2025 16:05

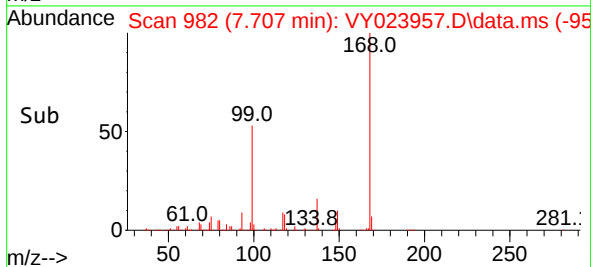
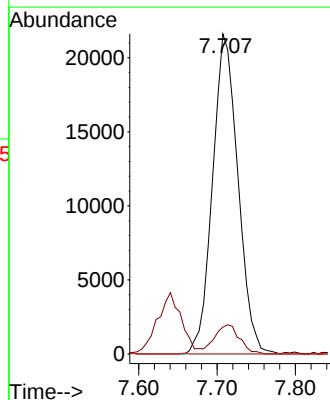
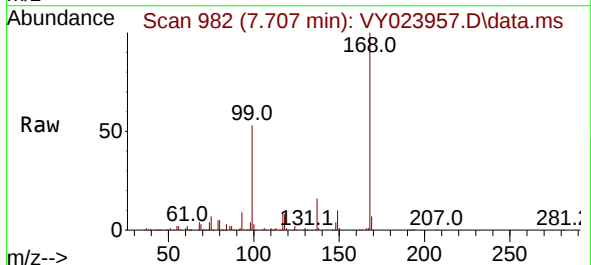
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

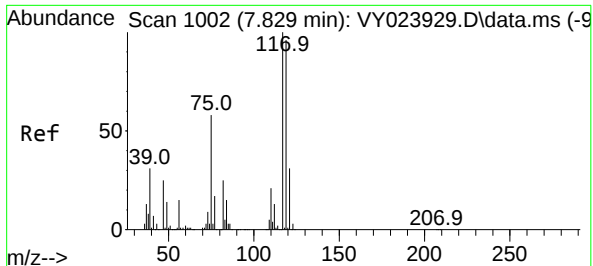
Tgt Ion:113 Resp: 396122
Ion Ratio Lower Upper
113 100
111 101.6 82.4 123.6
192 21.7 17.9 26.9



#36
1,1-Dichloropropene
Concen: 4.374 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY023957.D
Acq: 11 Dec 2025 16:05

Tgt Ion: 75 Resp: 48742
Ion Ratio Lower Upper
75 100
110 8.8 19.2 57.6#
77 0.0 24.4 36.6#

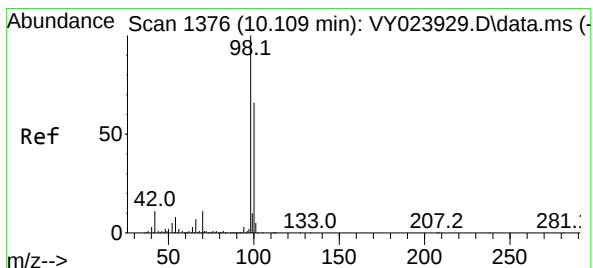
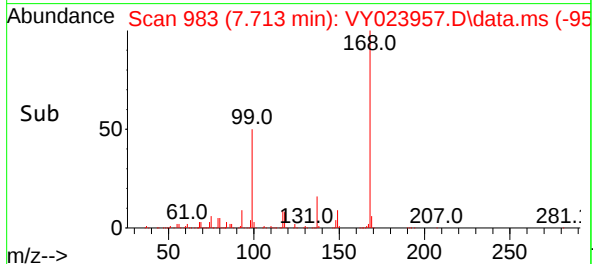
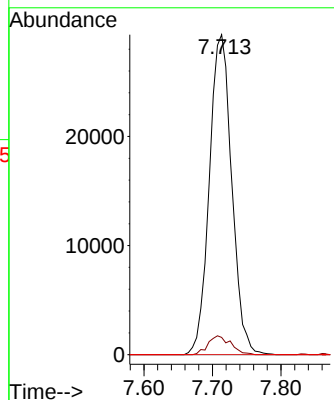
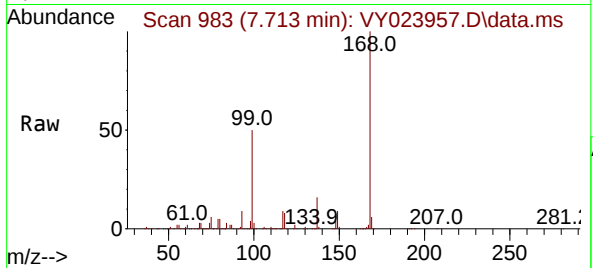




#38
Carbon Tetrachloride
Concen: 4.932 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY023957.D
Acq: 11 Dec 2025 16:05

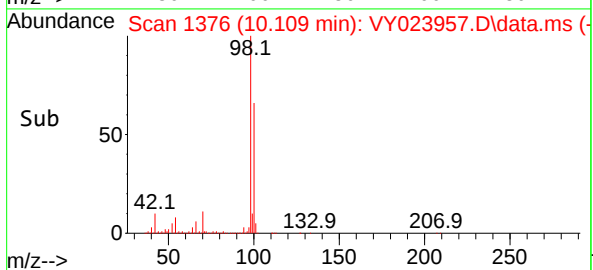
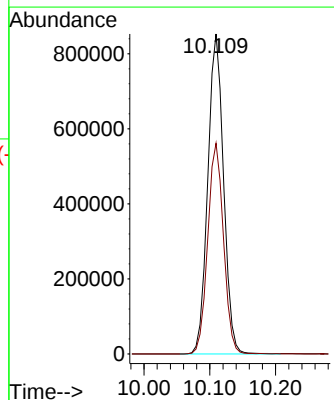
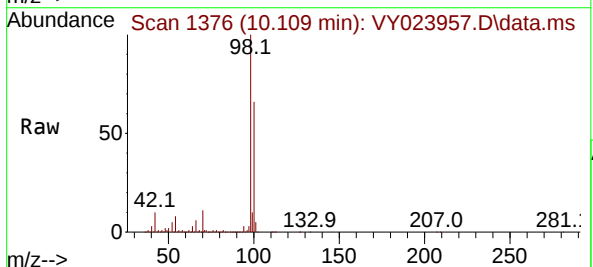
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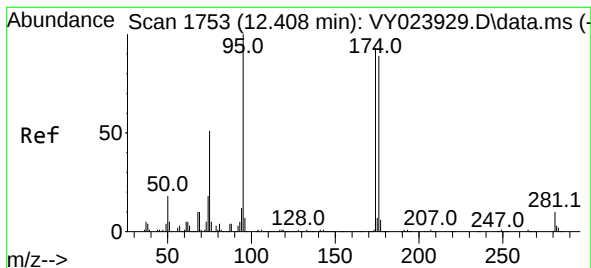
Tgt Ion:117 Resp: 66617
Ion Ratio Lower Upper
117 100
119 5.4 76.6 114.8#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 46.700 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY023957.D
Acq: 11 Dec 2025 16:05

Tgt Ion: 98 Resp: 1423099
Ion Ratio Lower Upper
98 100
100 65.8 52.8 79.2

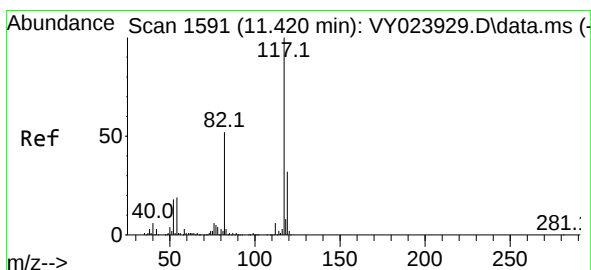
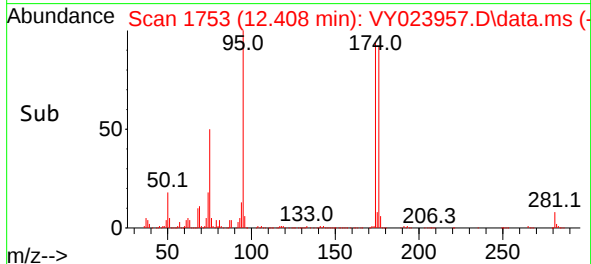
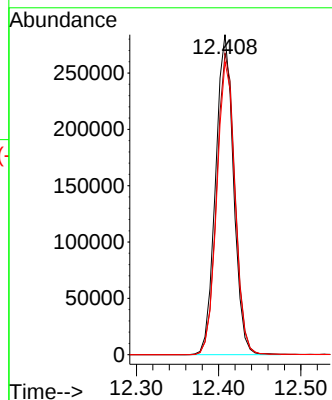
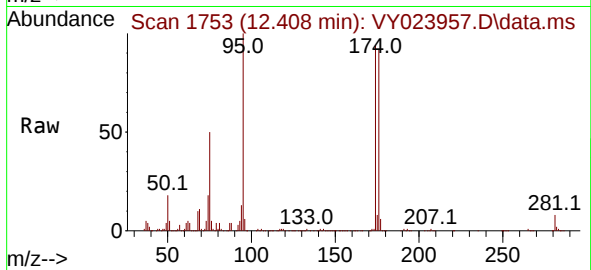




#62
4-Bromofluorobenzene
Concen: 42.289 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY023957.D
Acq: 11 Dec 2025 16:05

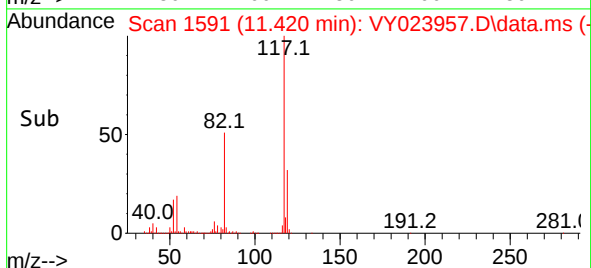
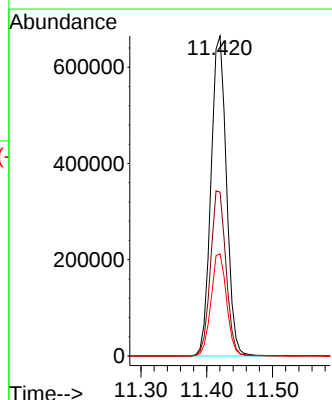
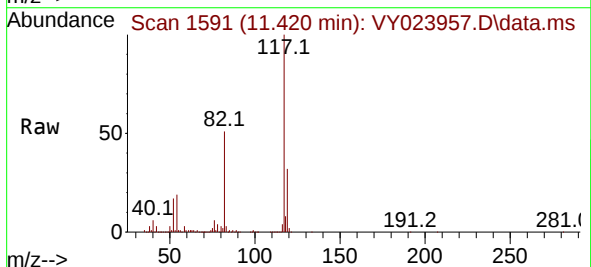
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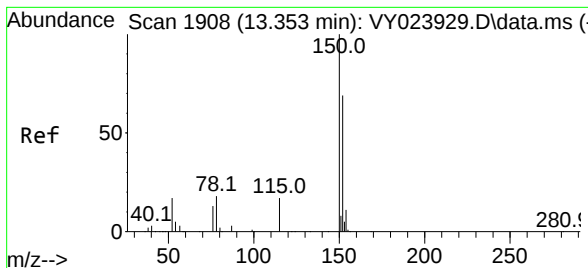
Tgt Ion: 95 Resp: 430361
Ion Ratio Lower Upper
95 100
174 96.4 0.0 187.4
176 92.8 0.0 179.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY023957.D
Acq: 11 Dec 2025 16:05

Tgt Ion: 117 Resp: 1089550
Ion Ratio Lower Upper
117 100
82 51.2 41.4 62.2
119 31.9 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1908

Delta R.T. -0.006 min

Lab File: VY023957.D

Acq: 11 Dec 2025 16:05

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

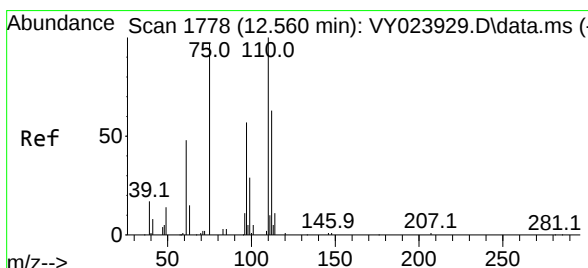
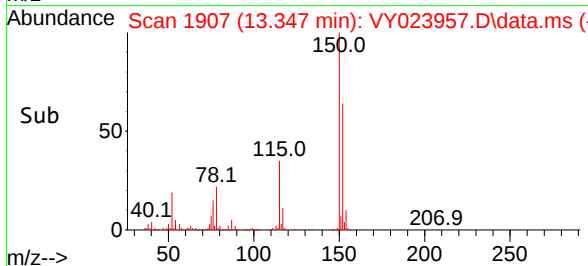
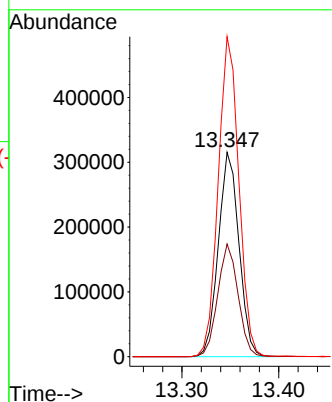
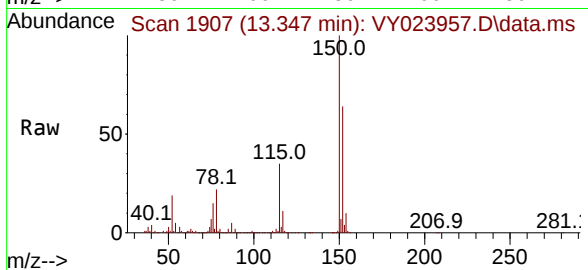
Tgt Ion:152 Resp: 467455

Ion Ratio Lower Upper

152 100

115 54.3 27.3 81.9

150 156.1 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 54.934 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY023957.D

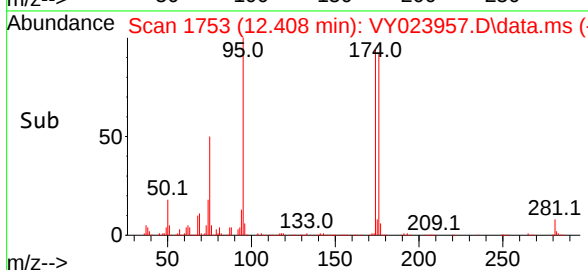
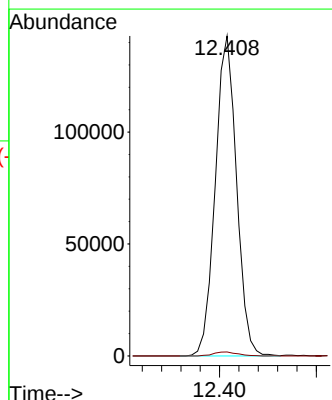
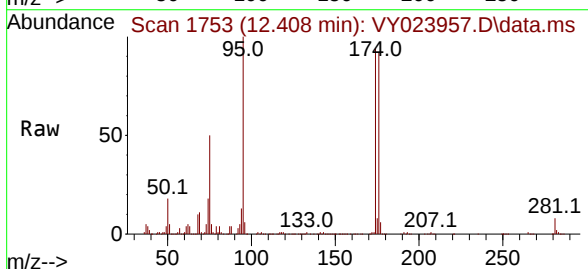
Acq: 11 Dec 2025 16:05

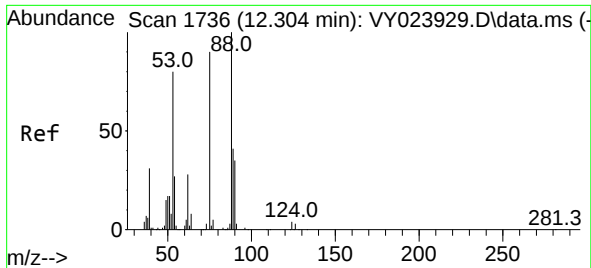
Tgt Ion: 75 Resp: 217217

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.042 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023957.D
 Acq: 11 Dec 2025 16:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Tgt Ion: 75 Resp: 217217
 Ion Ratio Lower Upper
 75 100
 53 0.1 73.4 110.0#
 89 0.0 38.9 58.3#

