

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121025\
 Data File : VY023925.D
 Acq On : 10 Dec 2025 08:34
 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 11 04:07:32 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)

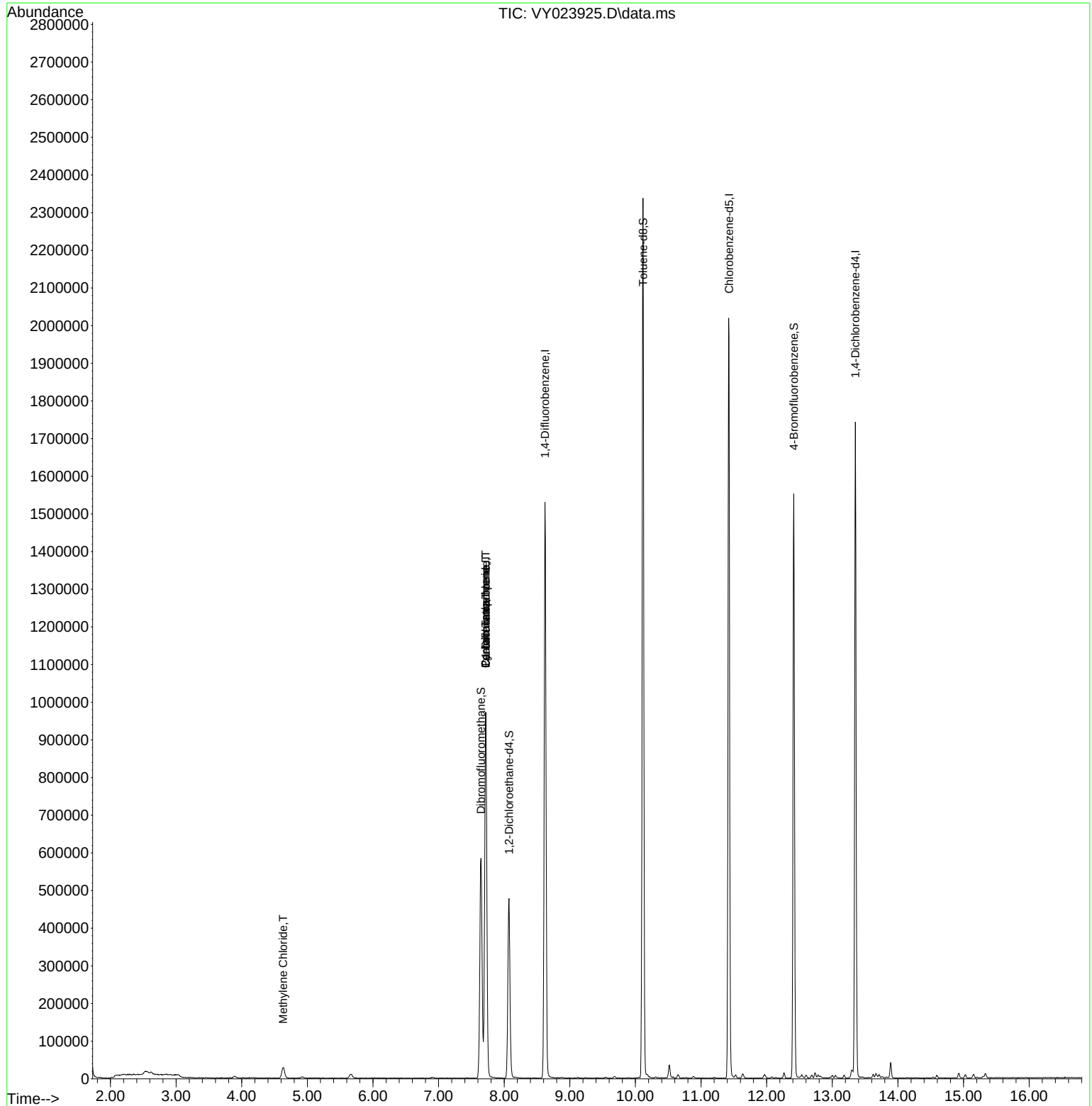
Internal Standards						
1) Pentafluorobenzene	7.719	168	796026	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1362032	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	1140520	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	463971	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	380963	54.129	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	108.260%
35) Dibromofluoromethane	7.646	113	425364	47.775	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.560%
50) Toluene-d8	10.115	98	1532160	46.221	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.440%
62) 4-Bromofluorobenzene	12.414	95	445965	40.285	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.580%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.628	84	23002	2.778	ug/l	89
31) Cyclohexane	7.719	56	13511	1.119	ug/l #	1
36) 1,1-Dichloropropene	7.719	75	51906	4.282	ug/l #	49
38) Carbon Tetrachloride	7.719	117	72009	4.901	ug/l #	16

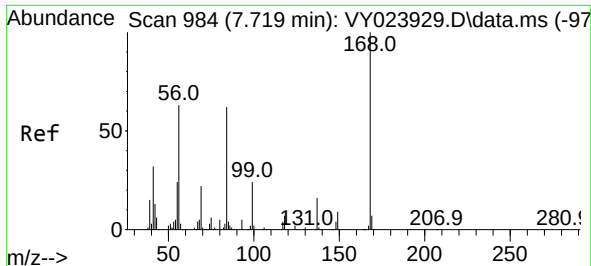
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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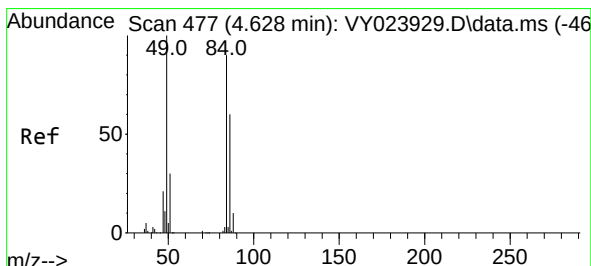
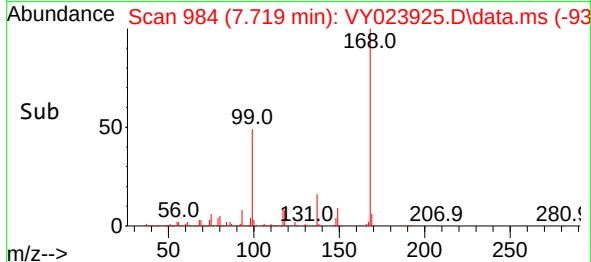
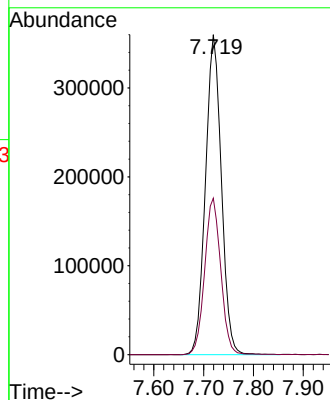
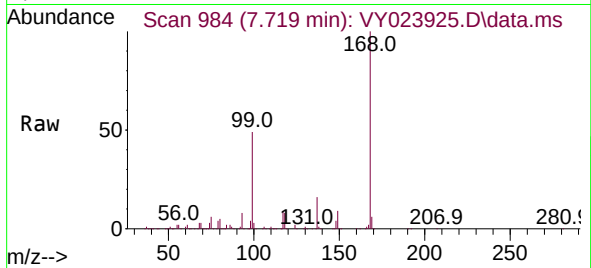




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.000 min
Lab File: VY023925.D
Acq: 10 Dec 2025 08:34

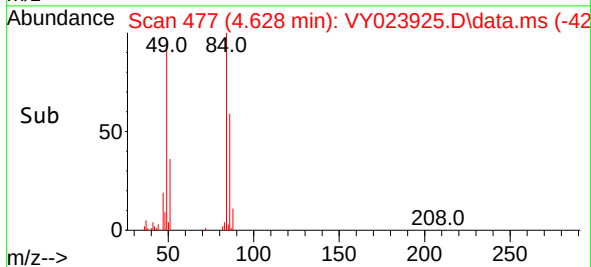
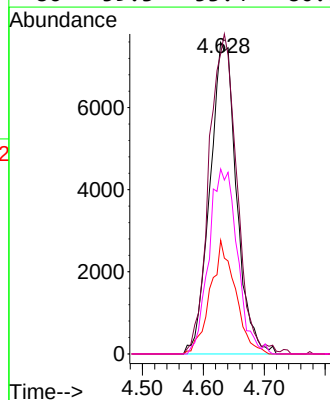
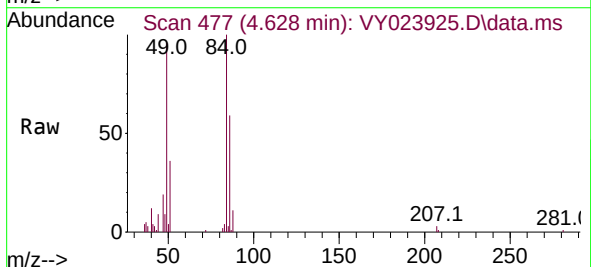
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

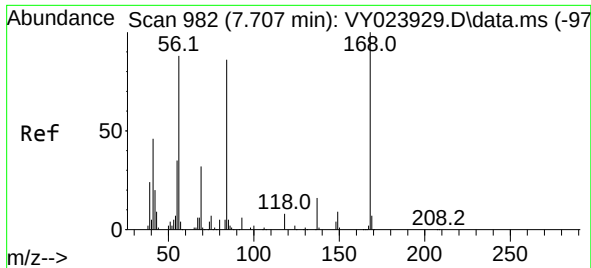
Tgt Ion:168 Resp: 796026
Ion Ratio Lower Upper
168 100
99 48.9 38.9 58.3



#20
Methylene Chloride
Concen: 2.778 ug/l
RT: 4.628 min Scan# 477
Delta R.T. -0.000 min
Lab File: VY023925.D
Acq: 10 Dec 2025 08:34

Tgt Ion: 84 Resp: 23002
Ion Ratio Lower Upper
84 100
49 96.4 89.1 133.7
51 36.4 26.6 39.8
86 59.3 53.4 80.0

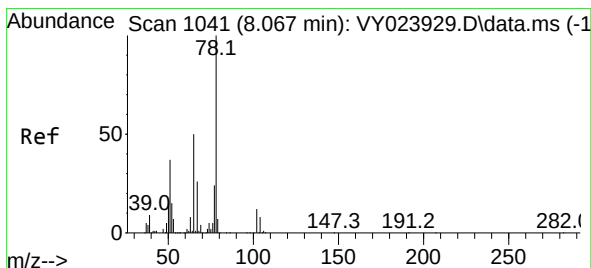
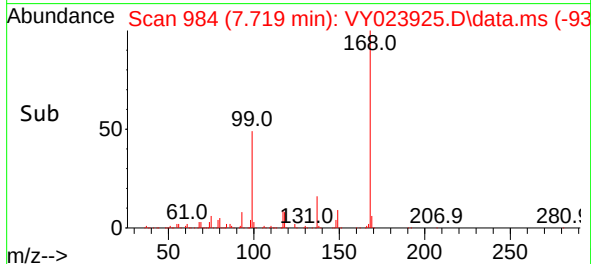
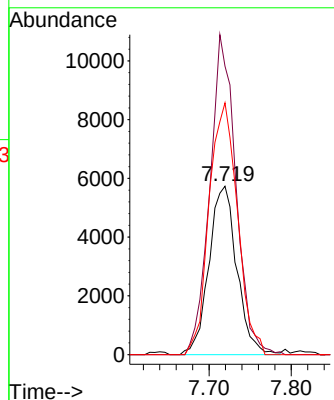
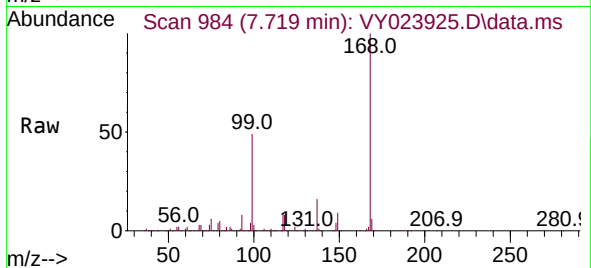




#31
Cyclohexane
Concen: 1.119 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.012 min
Lab File: VY023925.D
Acq: 10 Dec 2025 08:34

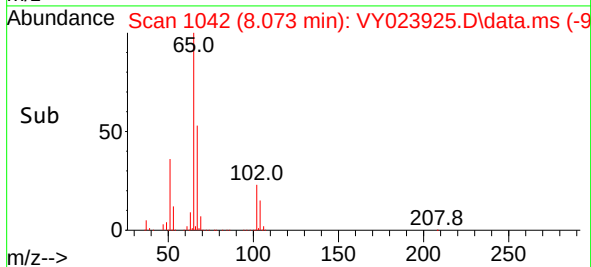
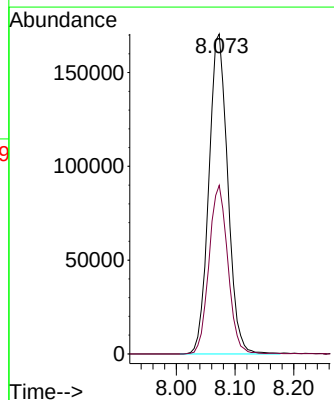
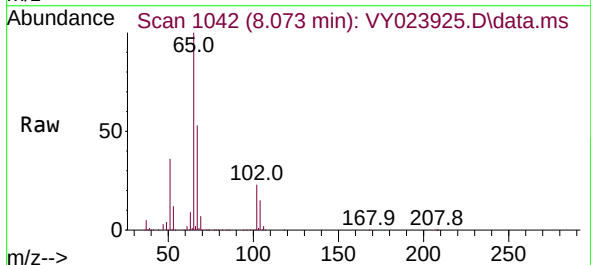
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

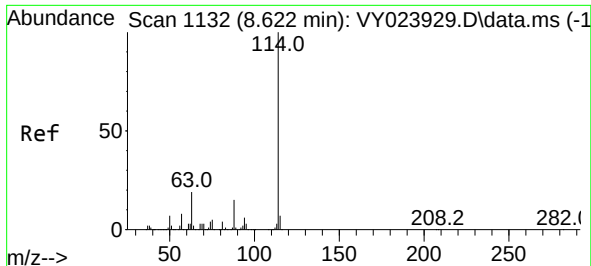
Tgt Ion: 56 Resp: 13511
Ion Ratio Lower Upper
56 100
69 171.2 29.1 43.7#
84 149.5 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 54.129 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY023925.D
Acq: 10 Dec 2025 08:34

Tgt Ion: 65 Resp: 380963
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY023925.D

Acq: 10 Dec 2025 08:34

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

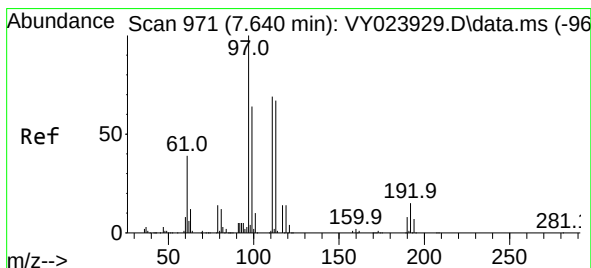
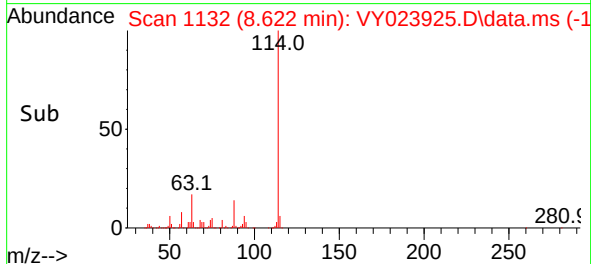
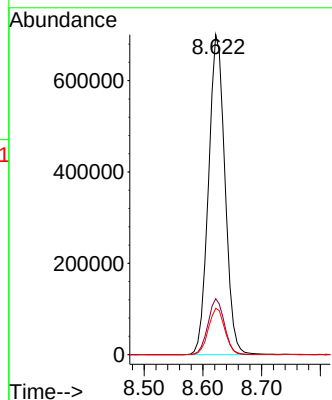
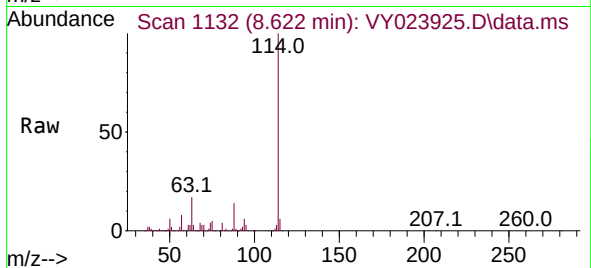
Tgt Ion:114 Resp: 1362032

Ion Ratio Lower Upper

114 100

63 17.5 0.0 37.2

88 14.5 0.0 29.4



#35

Dibromofluoromethane

Concen: 47.775 ug/l

RT: 7.646 min Scan# 972

Delta R.T. 0.006 min

Lab File: VY023925.D

Acq: 10 Dec 2025 08:34

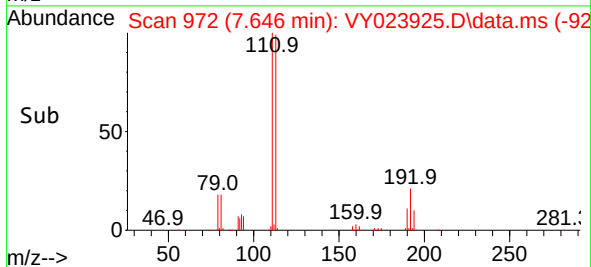
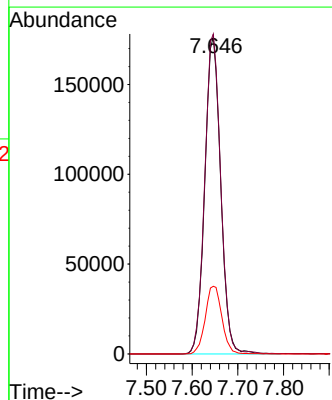
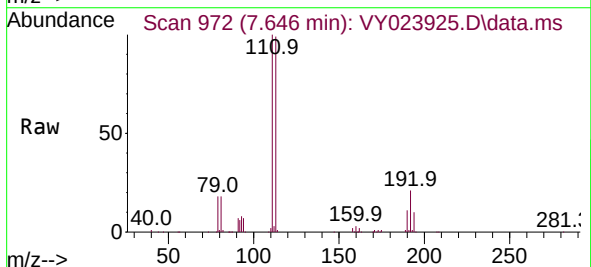
Tgt Ion:113 Resp: 425364

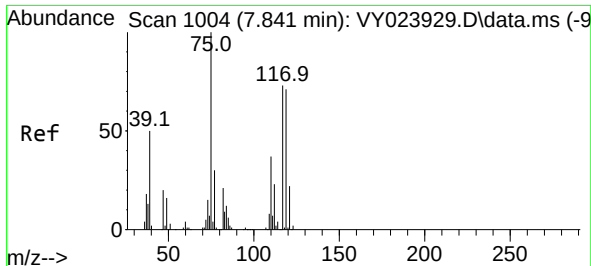
Ion Ratio Lower Upper

113 100

111 101.2 82.4 123.6

192 22.3 17.9 26.9





#36

1,1-Dichloropropene

Concen: 4.282 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.122 min

Lab File: VY023925.D

Acq: 10 Dec 2025 08:34

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

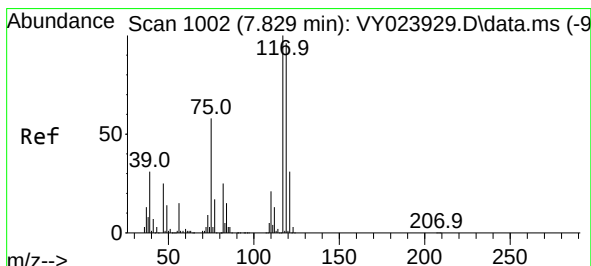
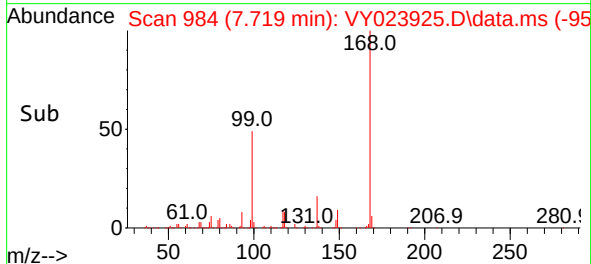
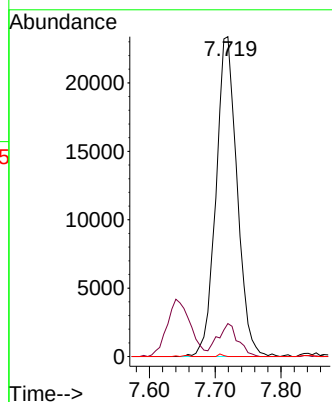
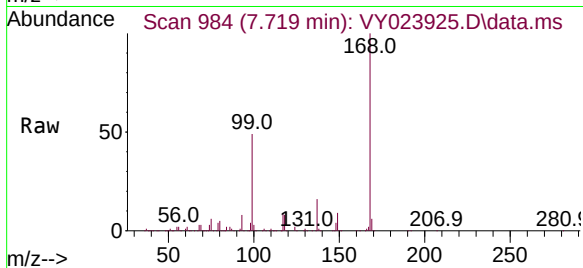
Tgt Ion: 75 Resp: 51906

Ion Ratio Lower Upper

75 100

110 9.8 19.2 57.6#

77 0.2 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.901 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.110 min

Lab File: VY023925.D

Acq: 10 Dec 2025 08:34

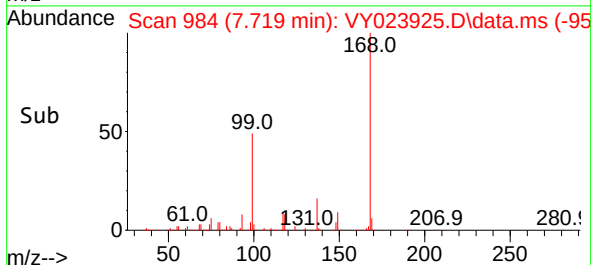
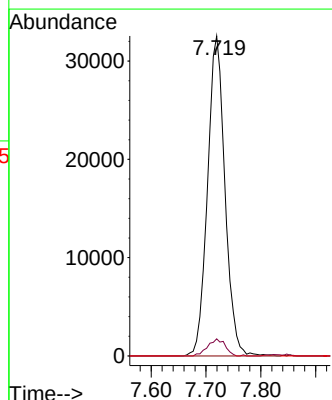
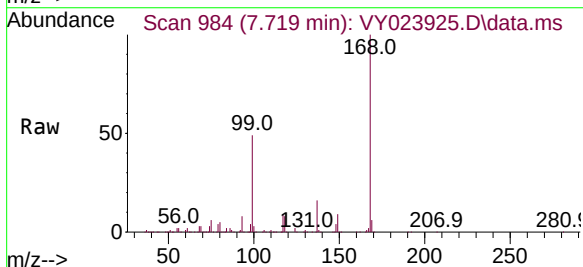
Tgt Ion: 117 Resp: 72009

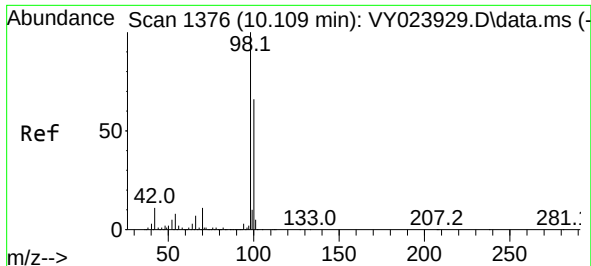
Ion Ratio Lower Upper

117 100

119 5.3 76.6 114.8#

121 0.0 24.8 37.2#

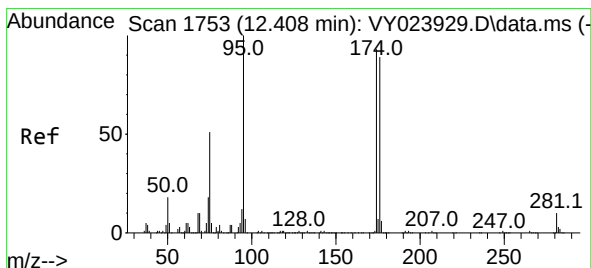
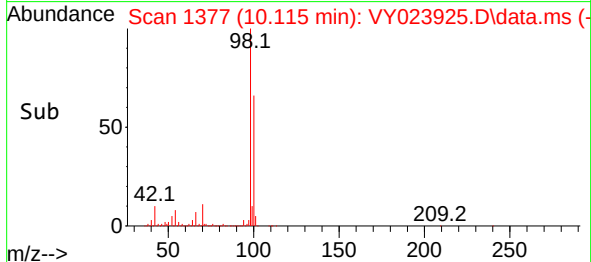
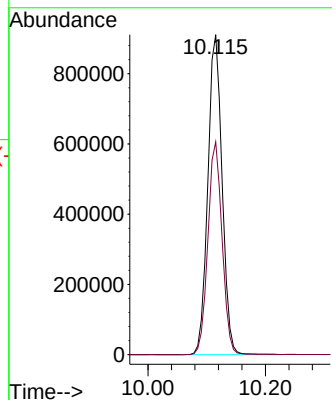
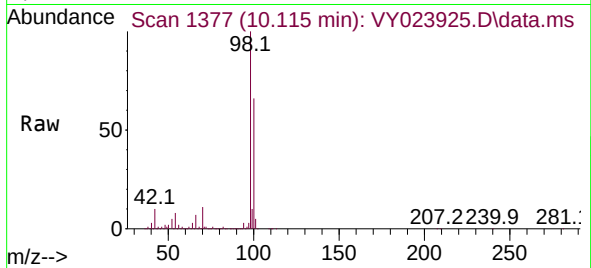




#50
Toluene-d8
Concen: 46.221 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY023925.D
Acq: 10 Dec 2025 08:34

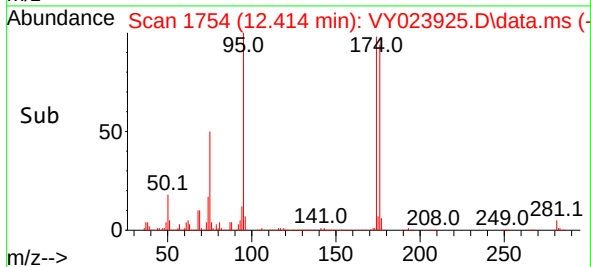
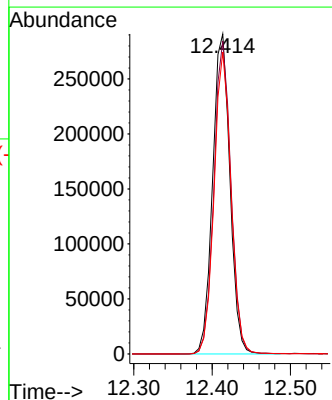
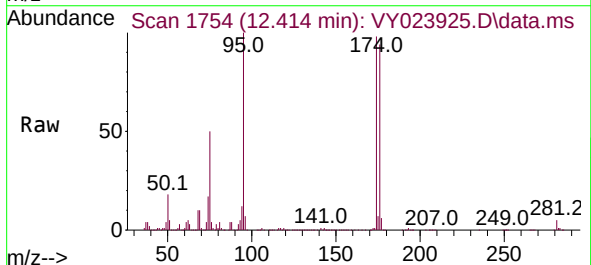
Instrument :
MSVOA_Y
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VIBLK

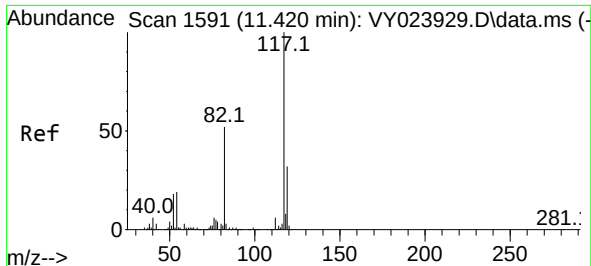
Tgt Ion: 98 Resp: 1532160
Ion Ratio Lower Upper
98 100
100 66.2 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 40.285 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY023925.D
Acq: 10 Dec 2025 08:34

Tgt Ion: 95 Resp: 445965
Ion Ratio Lower Upper
95 100
174 96.4 0.0 187.4
176 92.5 0.0 179.6

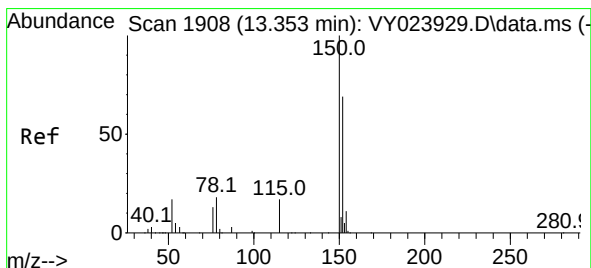
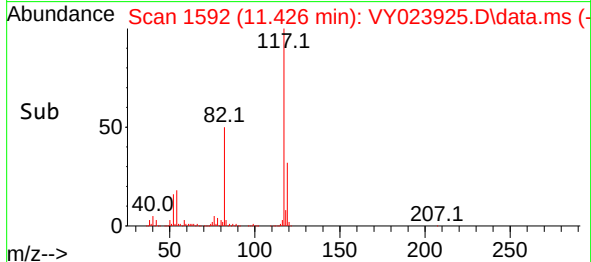
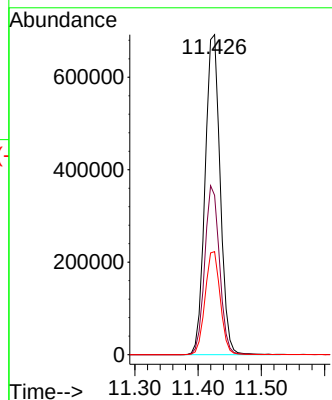
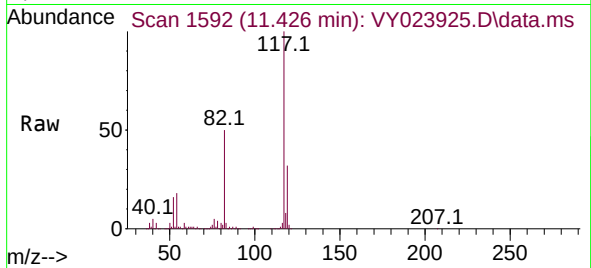




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023925.D
Acq: 10 Dec 2025 08:34

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 1140520
Ion Ratio Lower Upper
117 100
82 49.8 41.4 62.2
119 32.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY023925.D
Acq: 10 Dec 2025 08:34

Tgt Ion:152 Resp: 463971
Ion Ratio Lower Upper
152 100
115 54.8 27.3 81.9
150 156.8 0.0 347.6

