

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121525\
 Data File : VY023971.D
 Acq On : 15 Dec 2025 13:03
 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 16 02:14:20 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)

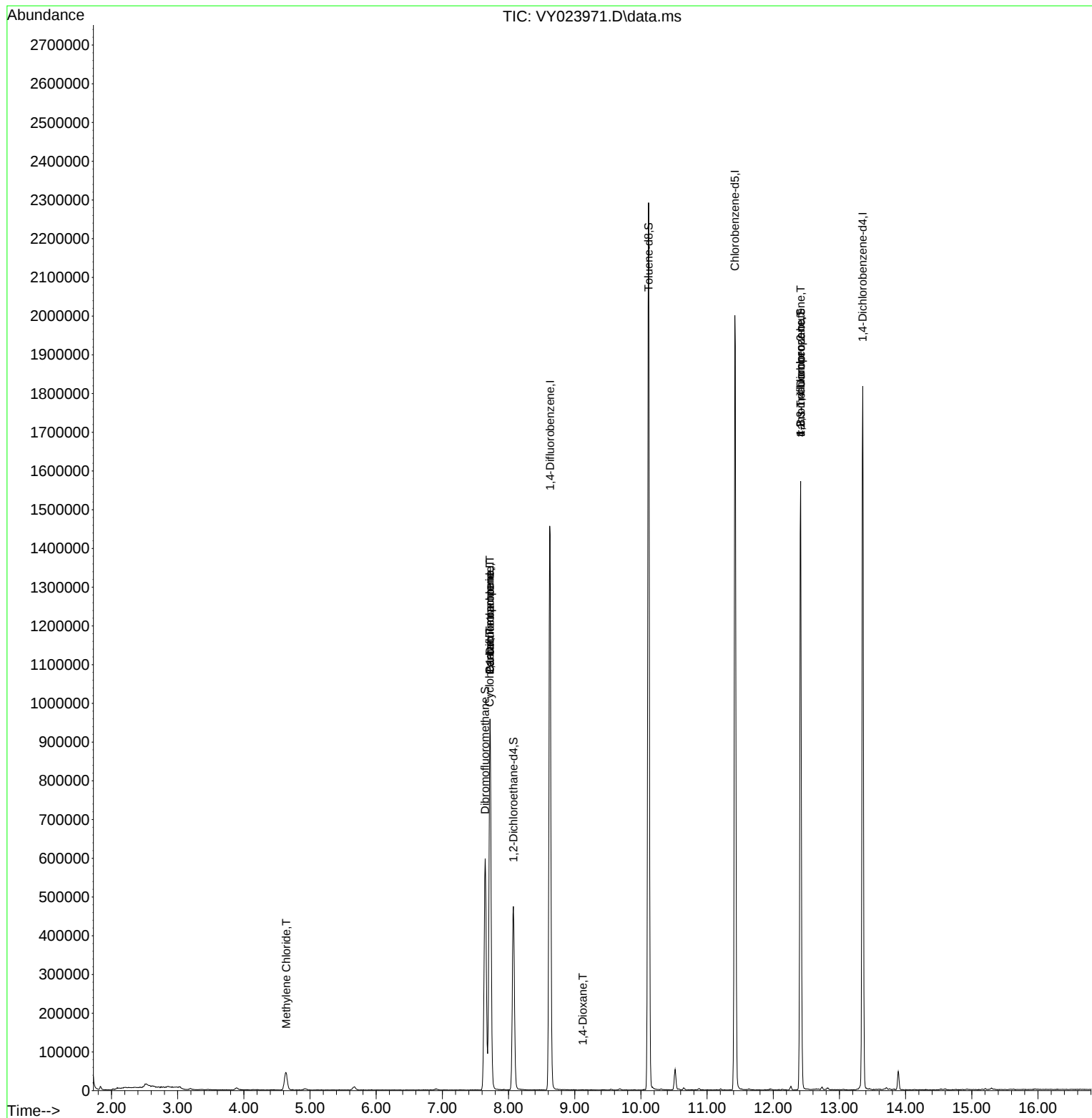
Internal Standards						
1) Pentafluorobenzene	7.719	168	815544	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	1361152	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1151543	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	485806	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	375898	52.131	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.260%			
35) Dibromofluoromethane	7.646	113	429029	48.218	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.440%			
50) Toluene-d8	10.115	98	1515398	45.745	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 91.480%			
62) 4-Bromofluorobenzene	12.414	95	454035	41.041	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 82.080%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.025	142	589	Below Cal	#	86
16) Acetone	3.891	43	9444	Below Cal		92
20) Methylene Chloride	4.641	84	37139	4.378	ug/l	91
31) Cyclohexane	7.713	56	12987	1.050	ug/l #	1
36) 1,1-Dichloropropene	7.719	75	50405	4.161	ug/l #	49
38) Carbon Tetrachloride	7.719	117	71863	4.894	ug/l #	15
49) 1,4-Dioxane	9.122	88	55	1.006	ug/l #	16
76) 1,2,3-Trichloropropane	12.414	75	221703	53.950	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	221703	122.803	ug/l #	12

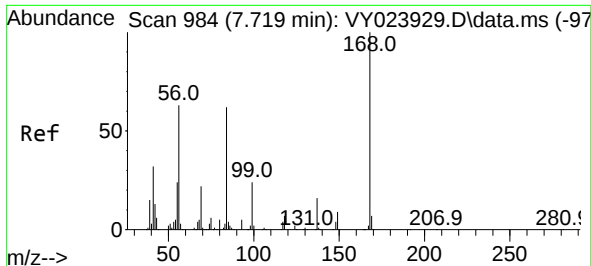
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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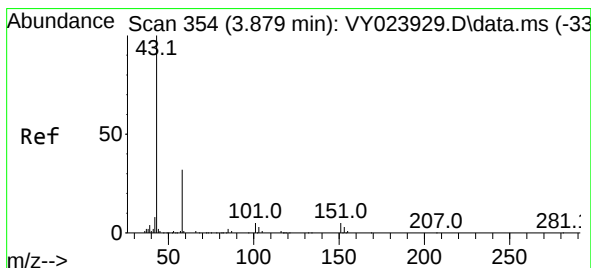
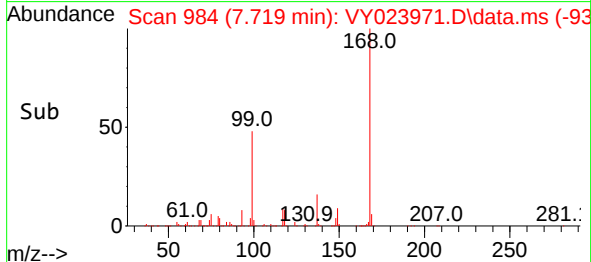
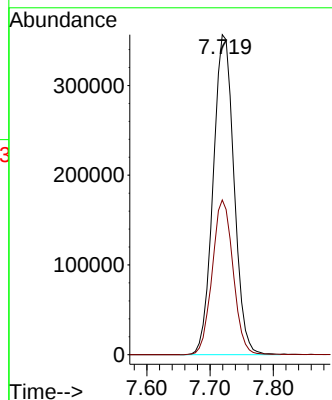
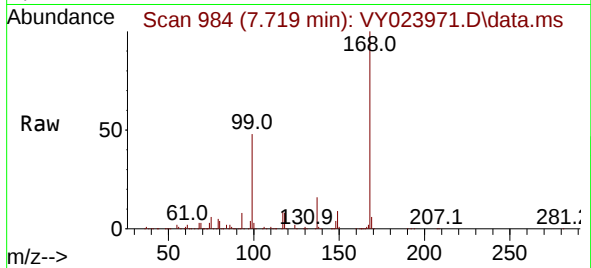




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023971.D
Acq: 15 Dec 2025 13:03

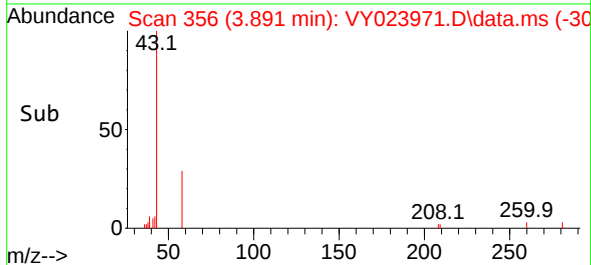
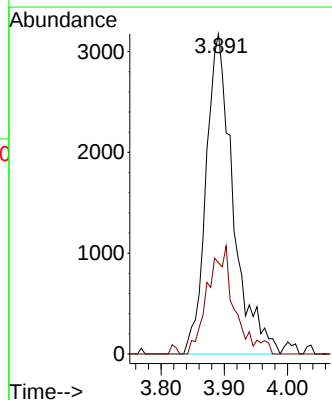
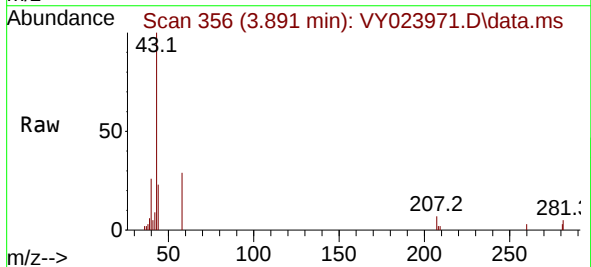
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

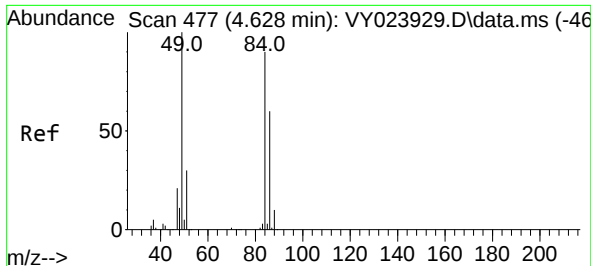
Tgt Ion:168 Resp: 815544
Ion Ratio Lower Upper
168 100
99 48.3 38.9 58.3



#16
Acetone
Concen: Below Cal
RT: 3.891 min Scan# 356
Delta R.T. 0.012 min
Lab File: VY023971.D
Acq: 15 Dec 2025 13:03

Tgt Ion: 43 Resp: 9444
Ion Ratio Lower Upper
43 100
58 28.5 26.4 39.6

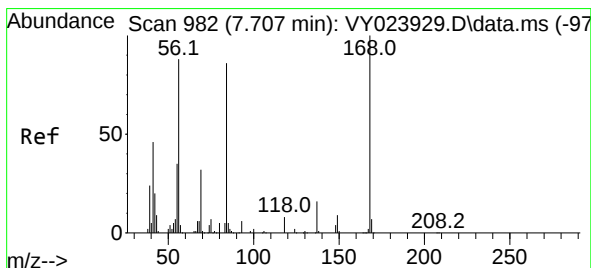
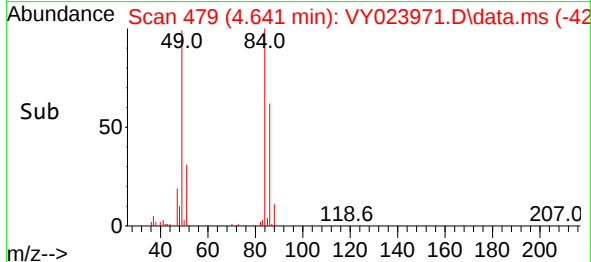
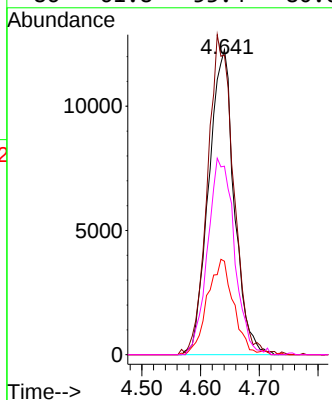
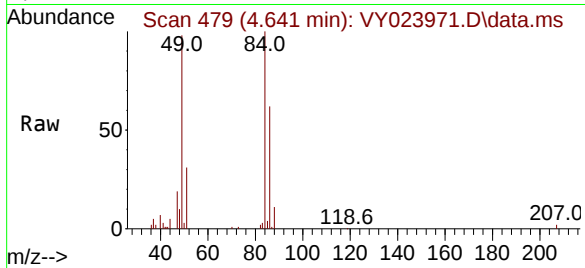




#20
Methylene Chloride
Concen: 4.378 ug/l
RT: 4.641 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY023971.D
Acq: 15 Dec 2025 13:03

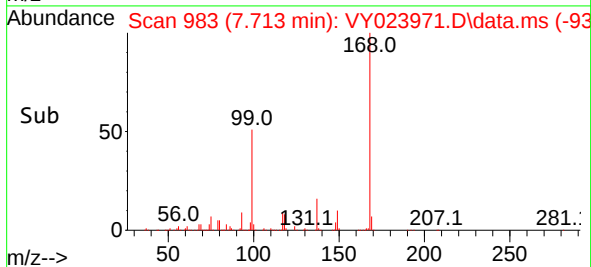
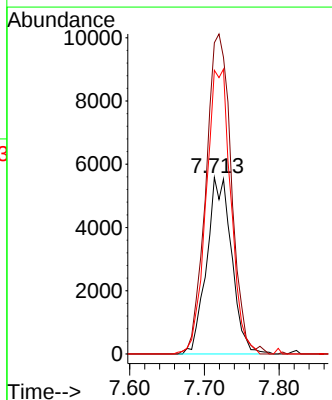
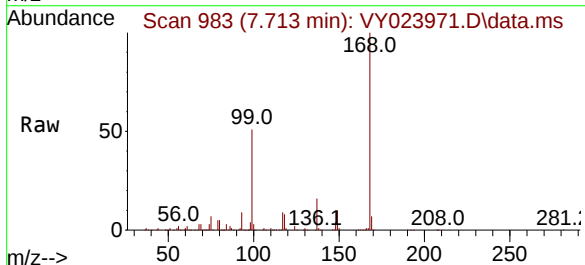
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

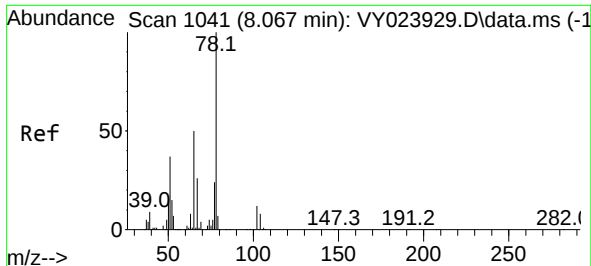
Tgt Ion:	84	Resp:	37139
Ion	Ratio	Lower	Upper
84	100		
49	98.3	89.1	133.7
51	30.6	26.6	39.8
86	61.8	53.4	80.0



#31
Cyclohexane
Concen: 1.050 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023971.D
Acq: 15 Dec 2025 13:03

Tgt Ion:	56	Resp:	12987
Ion	Ratio	Lower	Upper
56	100		
69	176.4	29.1	43.7#
84	159.7	77.8	116.8#





#33

1,2-Dichloroethane-d4

Concen: 52.131 ug/l

RT: 8.073 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023971.D

Acq: 15 Dec 2025 13:03

Instrument :

MSVOA_Y

ClientSampleId :

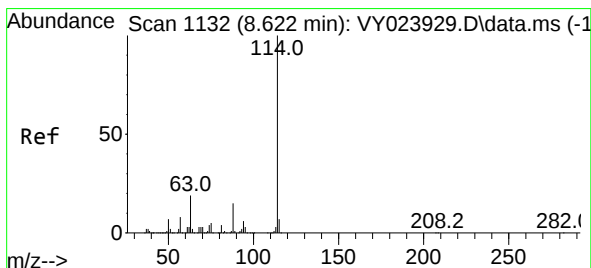
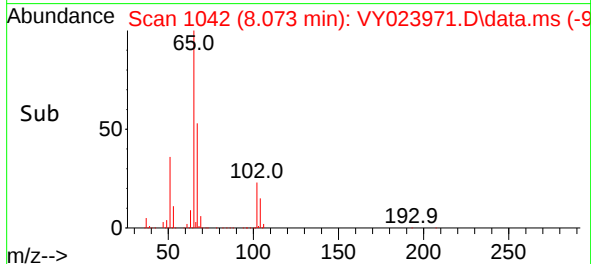
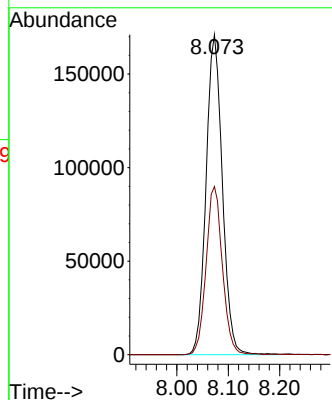
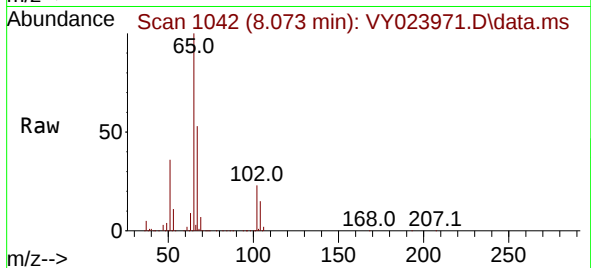
VIBLK

Tgt Ion: 65 Resp: 375898

Ion Ratio Lower Upper

65 100

67 52.7 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.628 min Scan# 1133

Delta R.T. 0.006 min

Lab File: VY023971.D

Acq: 15 Dec 2025 13:03

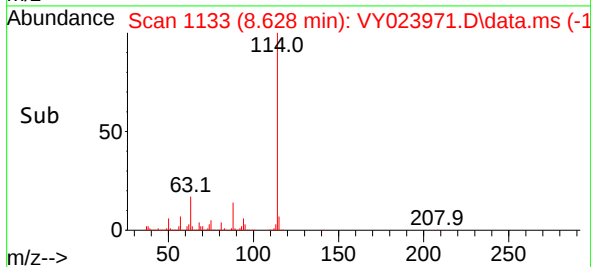
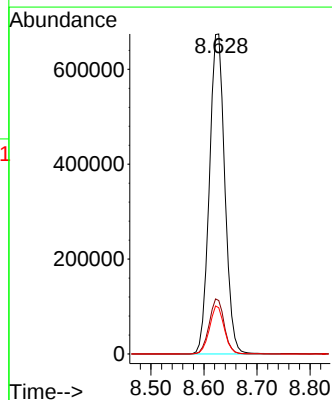
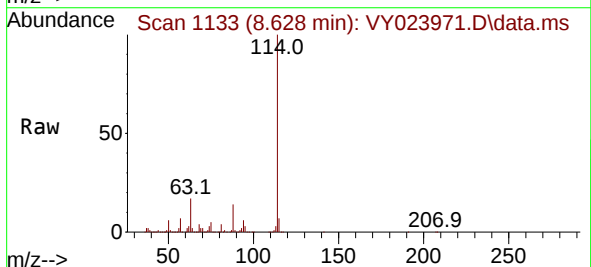
Tgt Ion:114 Resp: 1361152

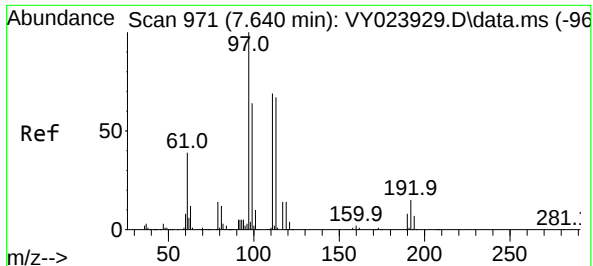
Ion Ratio Lower Upper

114 100

63 16.7 0.0 37.2

88 14.4 0.0 29.4





#35

Dibromofluoromethane

Concen: 48.218 ug/l

RT: 7.646 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY023971.D

Acq: 15 Dec 2025 13:03

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

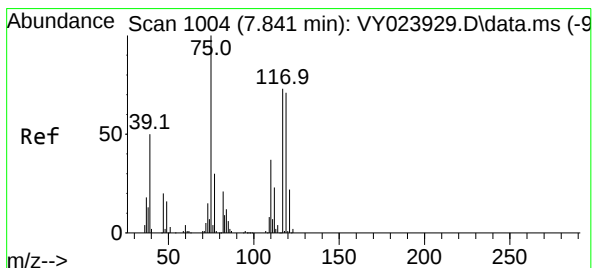
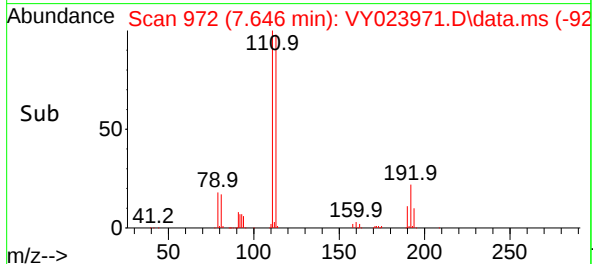
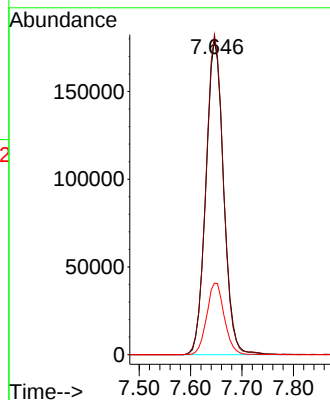
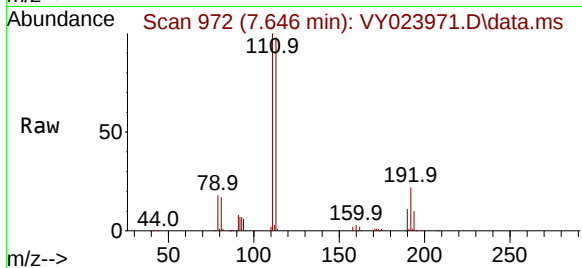
Tgt Ion:113 Resp: 429029

Ion Ratio Lower Upper

113 100

111 100.9 82.4 123.6

192 22.7 17.9 26.9



#36

1,1-Dichloropropene

Concen: 4.161 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.122 min

Lab File: VY023971.D

Acq: 15 Dec 2025 13:03

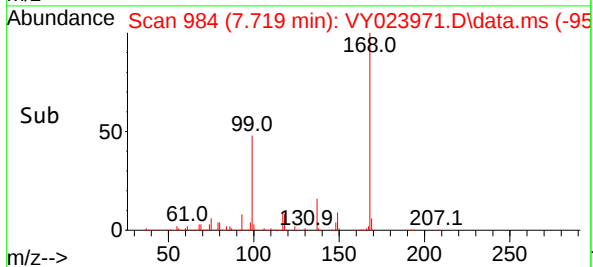
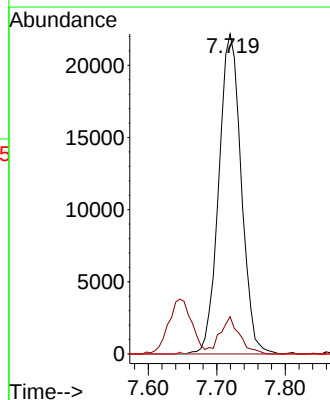
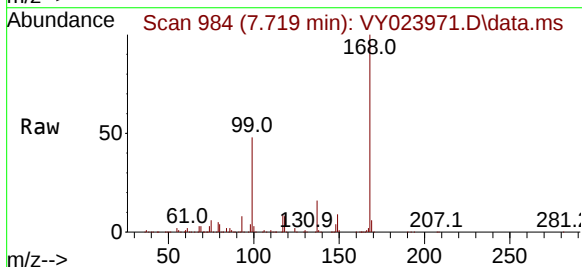
Tgt Ion: 75 Resp: 50405

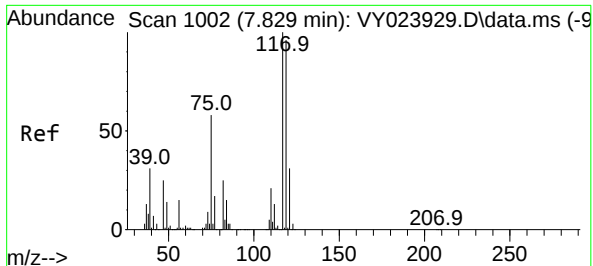
Ion Ratio Lower Upper

75 100

110 10.1 19.2 57.6#

77 0.0 24.4 36.6#

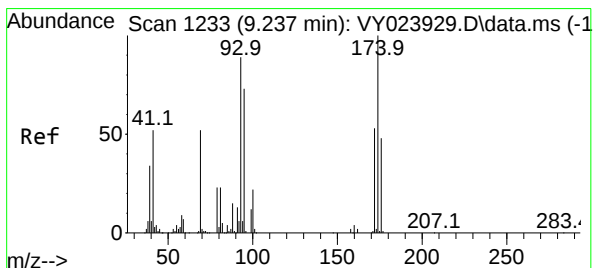
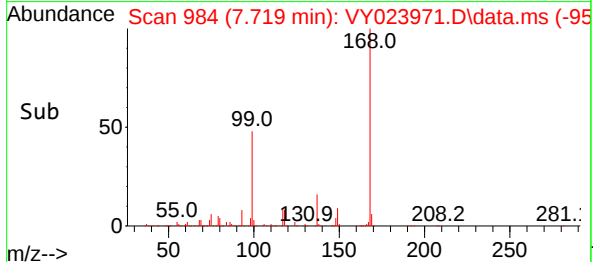
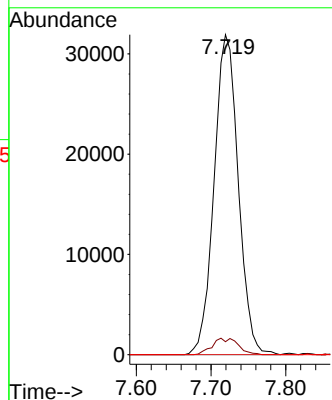
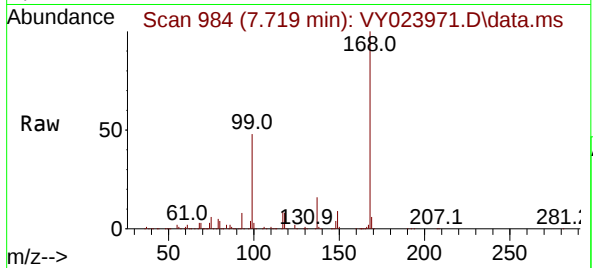




#38
Carbon Tetrachloride
Concen: 4.894 ug/l
RT: 7.719 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023971.D
Acq: 15 Dec 2025 13:03

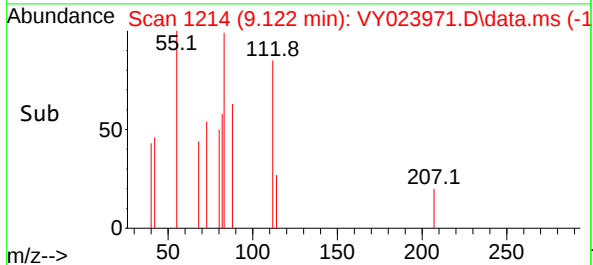
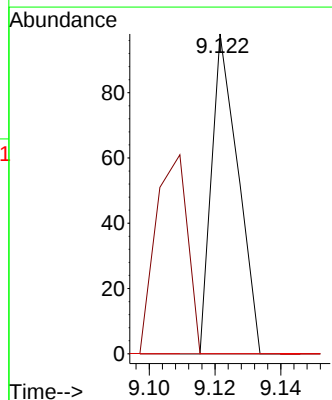
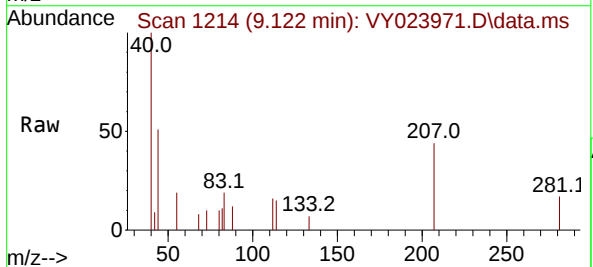
Instrument :
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ClientSampleId :
VIBLK

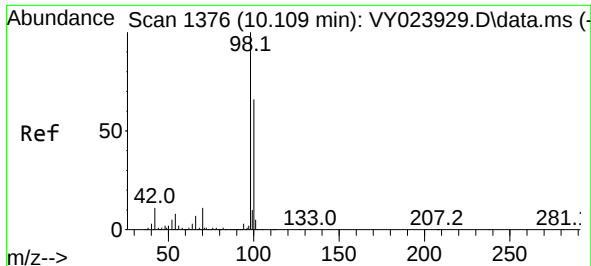
Tgt Ion:117 Resp: 71863
Ion Ratio Lower Upper
117 100
119 4.1 76.6 114.8#
121 0.0 24.8 37.2#



#49
1,4-Dioxane
Concen: 1.006 ug/l
RT: 9.122 min Scan# 1214
Delta R.T. -0.116 min
Lab File: VY023971.D
Acq: 15 Dec 2025 13:03

Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 74.5 22.3 33.5#
58 0.0 52.3 78.5#

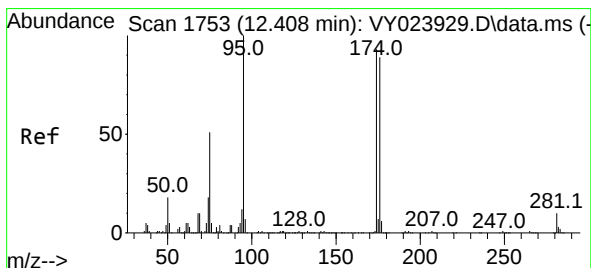
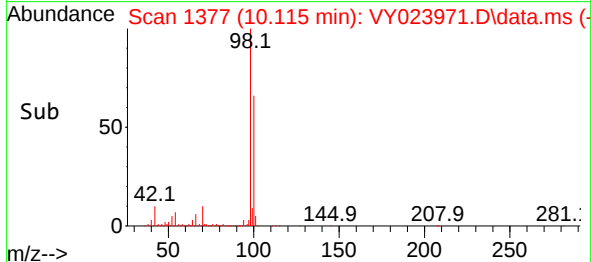
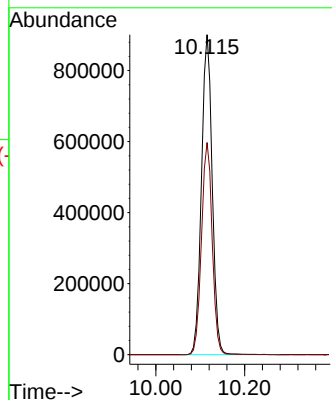
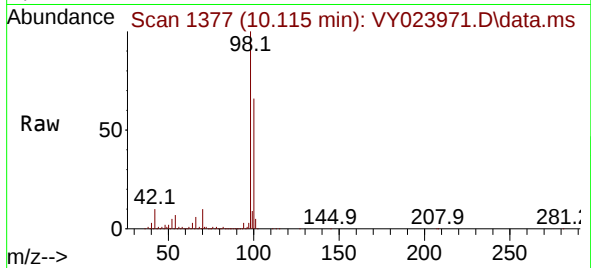




#50
Toluene-d8
Concen: 45.745 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023971.D
Acq: 15 Dec 2025 13:03

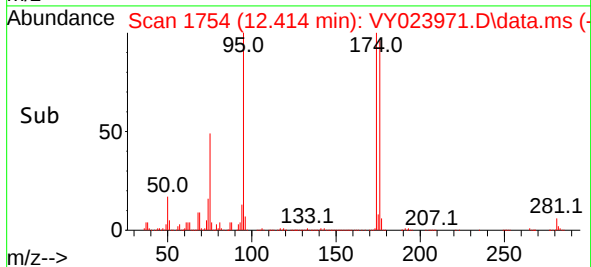
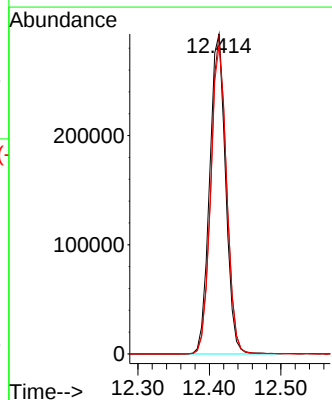
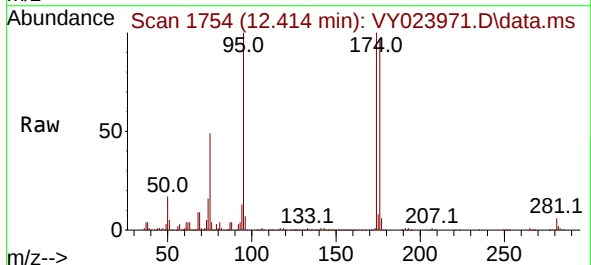
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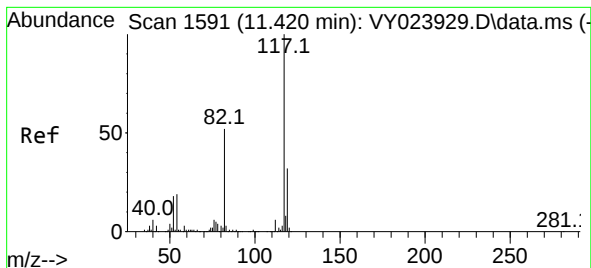
Tgt Ion: 98 Resp: 1515398
Ion Ratio Lower Upper
98 100
100 66.2 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 41.041 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY023971.D
Acq: 15 Dec 2025 13:03

Tgt Ion: 95 Resp: 454035
Ion Ratio Lower Upper
95 100
174 97.9 0.0 187.4
176 95.8 0.0 179.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023971.D

Acq: 15 Dec 2025 13:03

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

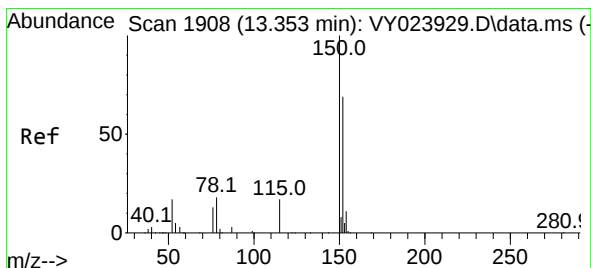
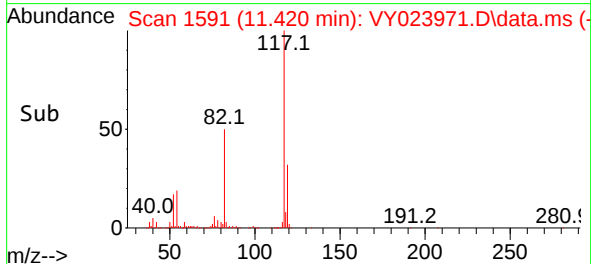
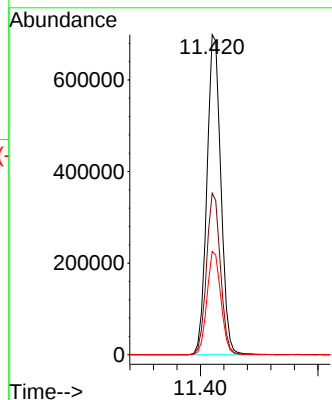
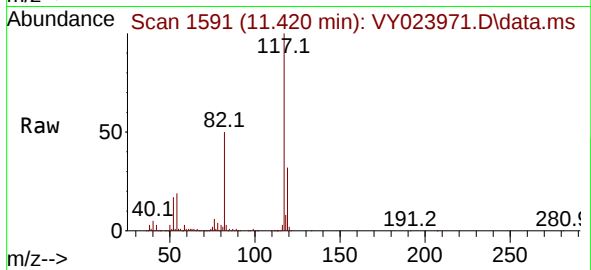
Tgt Ion:117 Resp: 1151543

Ion Ratio Lower Upper

117 100

82 50.5 41.4 62.2

119 32.3 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: VY023971.D

Acq: 15 Dec 2025 13:03

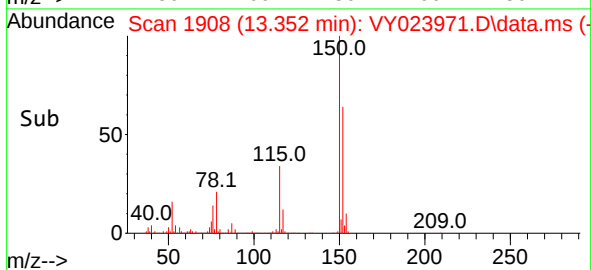
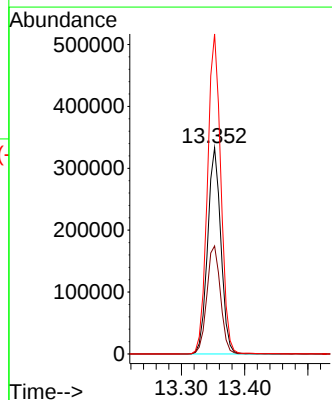
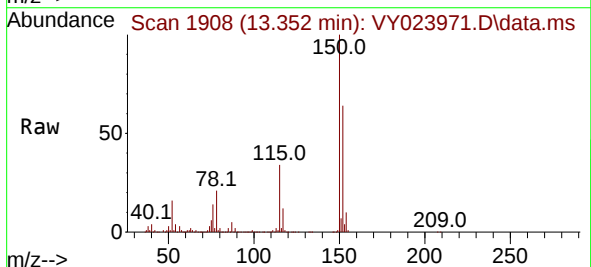
Tgt Ion:152 Resp: 485806

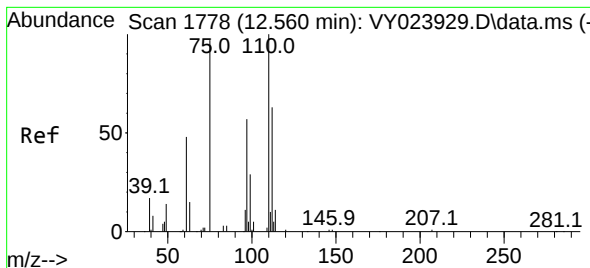
Ion Ratio Lower Upper

152 100

115 54.1 27.3 81.9

150 157.0 0.0 347.6





#76

1,2,3-Trichloropropane

Concen: 53.950 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. -0.146 min

Lab File: VY023971.D

Acq: 15 Dec 2025 13:03

Instrument :

MSVOA_Y

ClientSampleId :

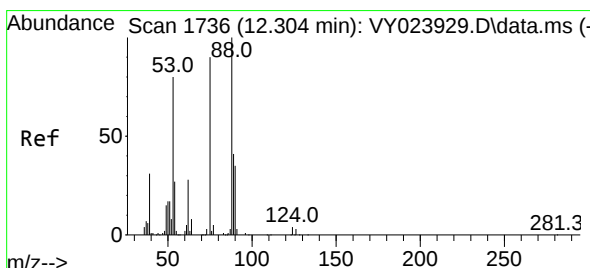
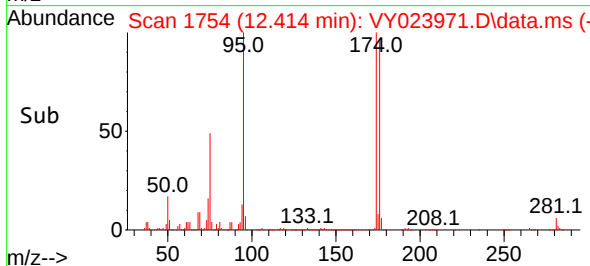
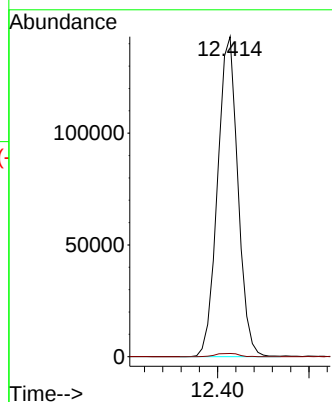
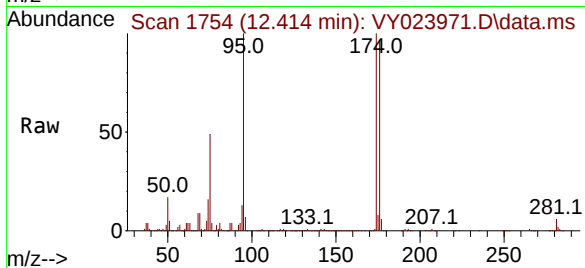
VIBLK

Tgt Ion: 75 Resp: 221703

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 122.803 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. 0.110 min

Lab File: VY023971.D

Acq: 15 Dec 2025 13:03

Tgt Ion: 75 Resp: 221703

Ion Ratio Lower Upper

75 100

53 0.1 73.4 110.0#

89 0.0 38.9 58.3#

