

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121125\
 Data File : VY023960.D
 Acq On : 11 Dec 2025 17:15
 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 03:27:11 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	860288	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1465338	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1289066	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	580679	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	407727	53.605	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.200%
35) Dibromofluoromethane	7.640	113	451553	47.141	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.280%
50) Toluene-d8	10.109	98	1663638	46.649	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.300%
62) 4-Bromofluorobenzene	12.408	95	531315	44.612	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.220%

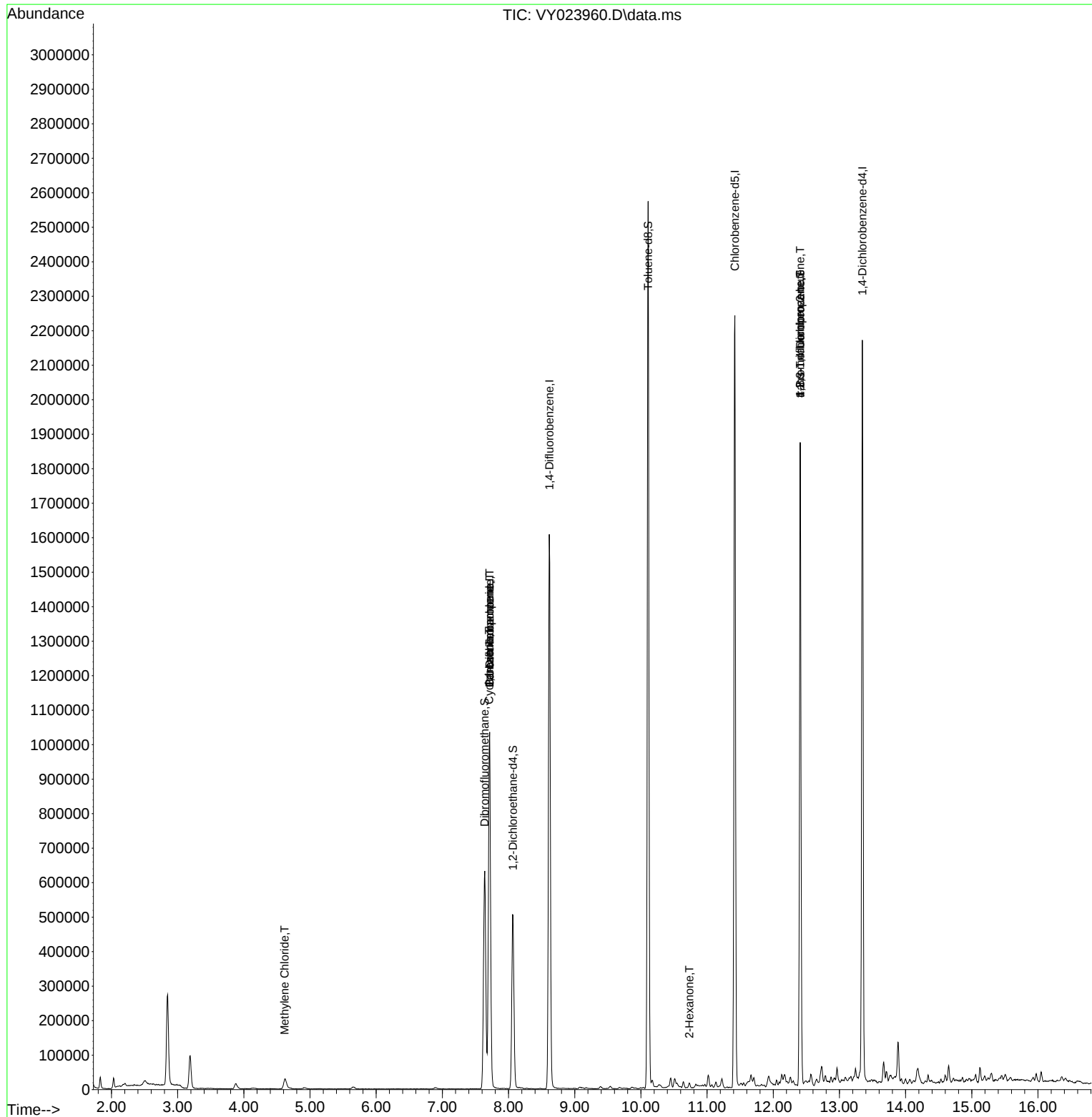
Target Compounds					Qvalue	
10) Methyl Iodide	4.013	142	358	Below Cal	#	49
16) Acetone	3.879	43	27354	Below Cal		99
20) Methylene Chloride	4.616	84	21374	2.389	ug/l	88
31) Cyclohexane	7.707	56	14606	1.120	ug/l	# 1
36) 1,1-Dichloropropene	7.713	75	55427	4.250	ug/l	# 49
38) Carbon Tetrachloride	7.713	117	76851	4.862	ug/l	# 16
59) 2-Hexanone	10.731	43	4668	1.161	ug/l	# 26
76) 1,2,3-Trichloropropane	12.408	75	262216	53.383	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.408	75	262216	121.513	ug/l	# 12

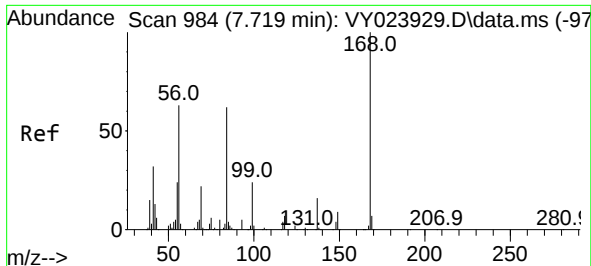
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121125\
Data File : VY023960.D
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Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Quant Time: Dec 12 03:27:11 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

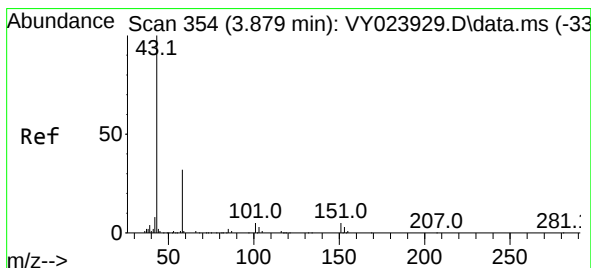
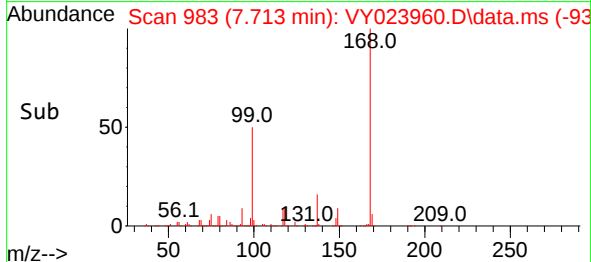
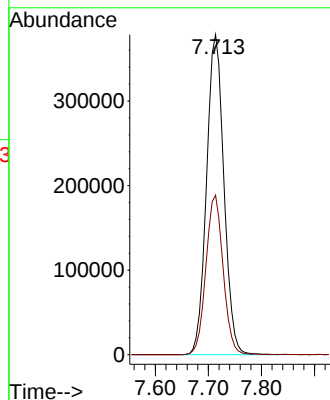
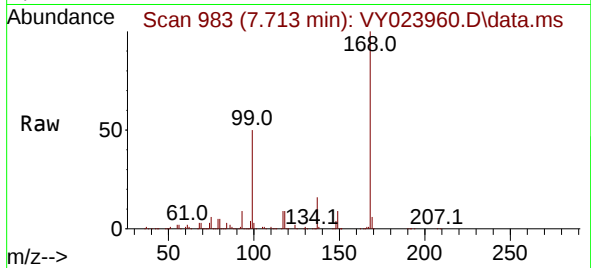




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY023960.D
Acq: 11 Dec 2025 17:15

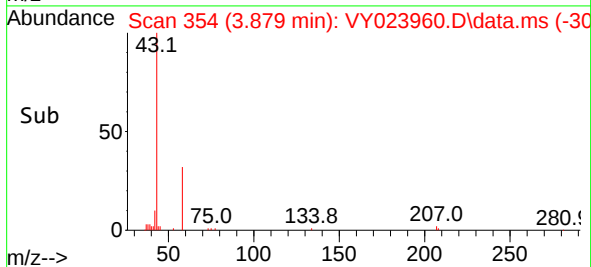
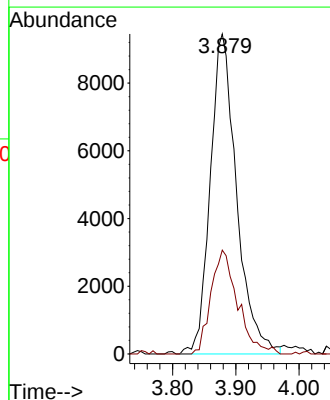
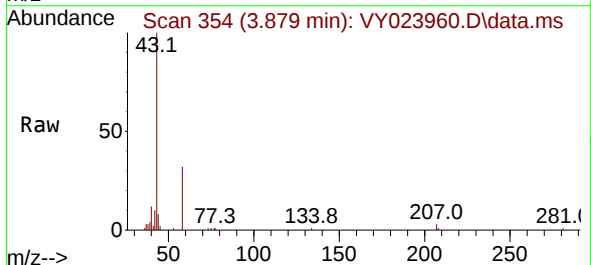
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

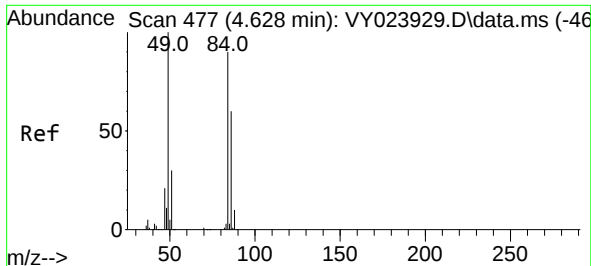
Tgt Ion:168 Resp: 860288
Ion Ratio Lower Upper
168 100
99 49.8 38.9 58.3



#16
Acetone
Concen: Below Cal
RT: 3.879 min Scan# 354
Delta R.T. 0.000 min
Lab File: VY023960.D
Acq: 11 Dec 2025 17:15

Tgt Ion: 43 Resp: 27354
Ion Ratio Lower Upper
43 100
58 32.4 26.4 39.6

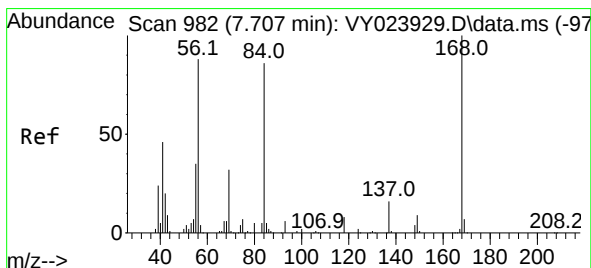
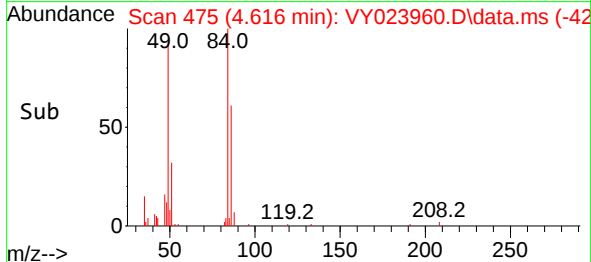
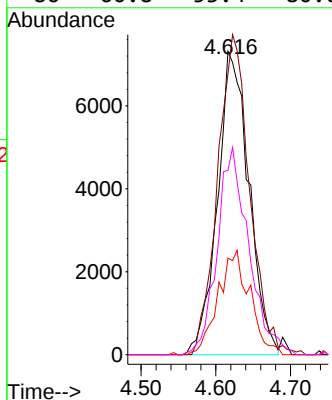
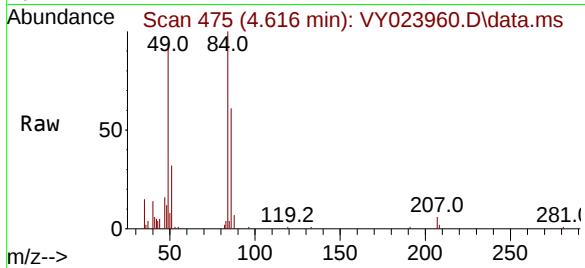




#20
Methylene Chloride
Concen: 2.389 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY023960.D
Acq: 11 Dec 2025 17:15

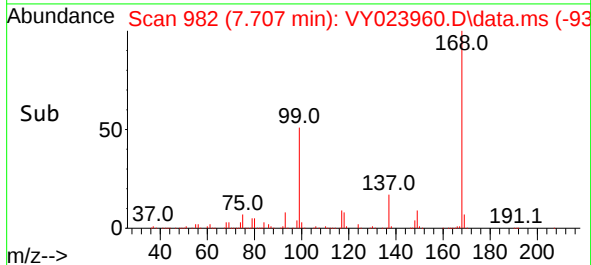
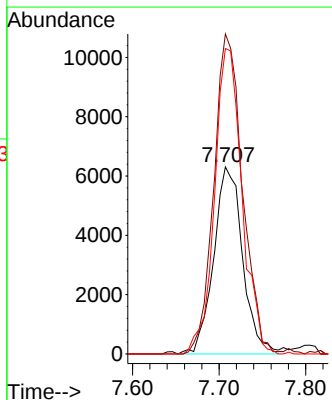
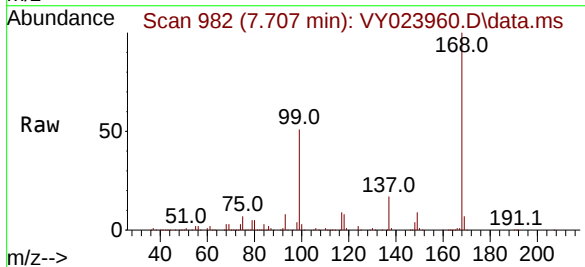
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

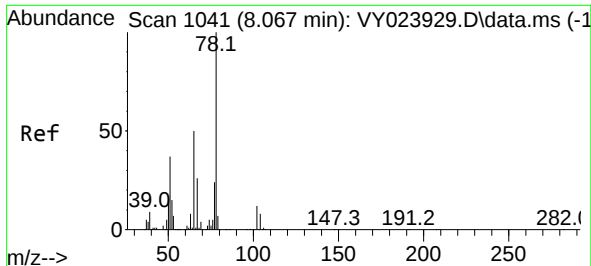
Tgt Ion:	84	Resp:	21374
Ion	Ratio	Lower	Upper
84	100		
49	92.7	89.1	133.7
51	31.8	26.6	39.8
86	60.8	53.4	80.0



#31
Cyclohexane
Concen: 1.120 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023960.D
Acq: 11 Dec 2025 17:15

Tgt Ion:	56	Resp:	14606
Ion	Ratio	Lower	Upper
56	100		
69	171.1	29.1	43.7#
84	163.3	77.8	116.8#





#33

1,2-Dichloroethane-d4

Concen: 53.605 ug/l

RT: 8.067 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY023960.D

Acq: 11 Dec 2025 17:15

Instrument :

MSVOA_Y

ClientSampleId :

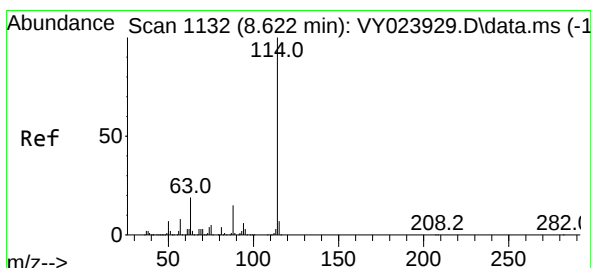
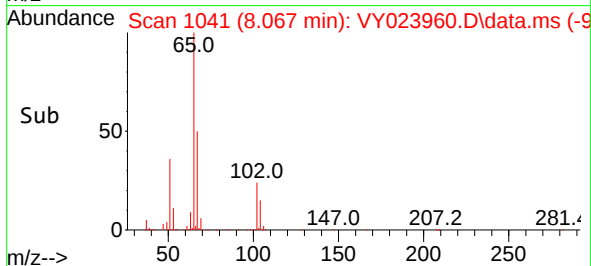
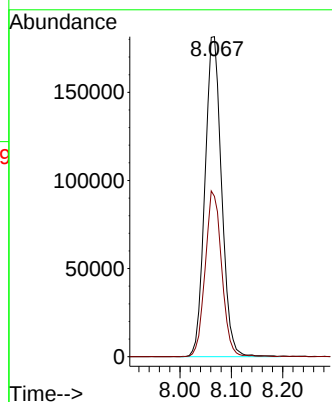
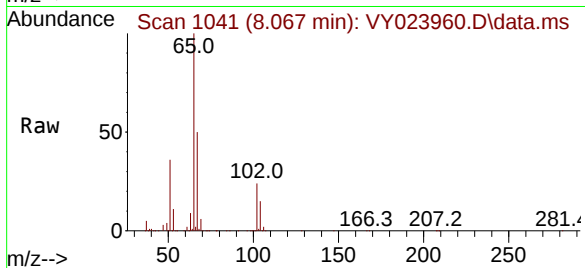
VIBLK

Tgt Ion: 65 Resp: 407727

Ion Ratio Lower Upper

65 100

67 51.2 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: VY023960.D

Acq: 11 Dec 2025 17:15

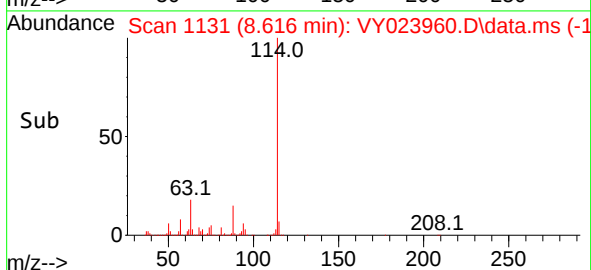
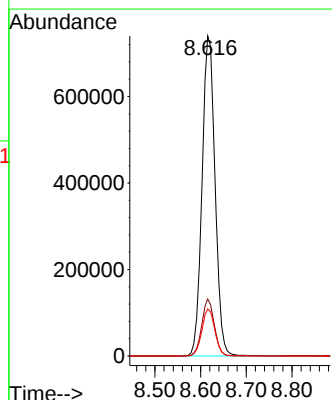
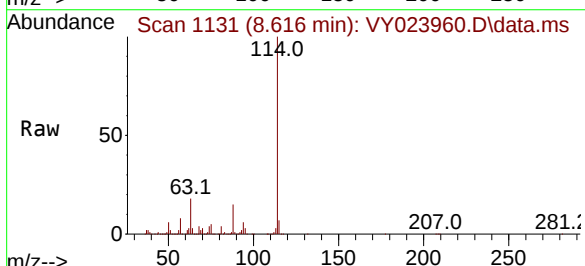
Tgt Ion: 114 Resp: 1465338

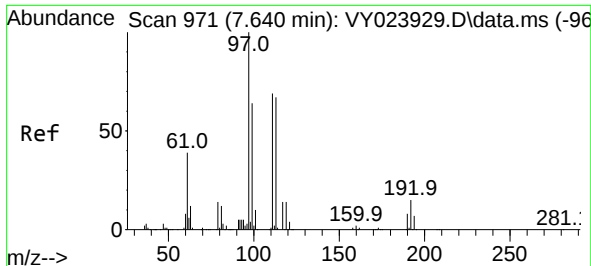
Ion Ratio Lower Upper

114 100

63 17.8 0.0 37.2

88 14.7 0.0 29.4

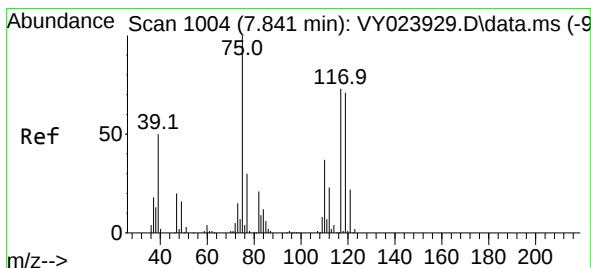
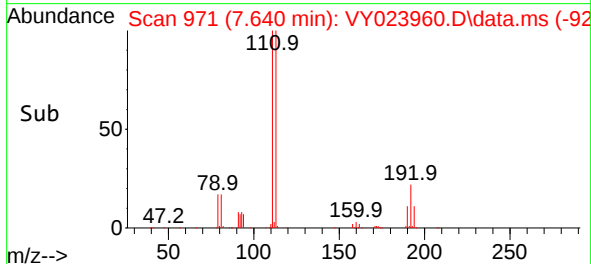
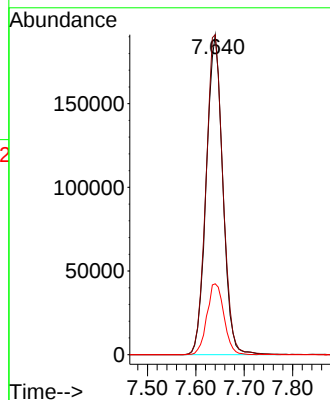
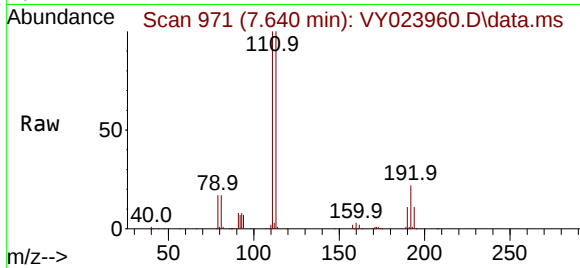




#35
Dibromofluoromethane
Concen: 47.141 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023960.D
Acq: 11 Dec 2025 17:15

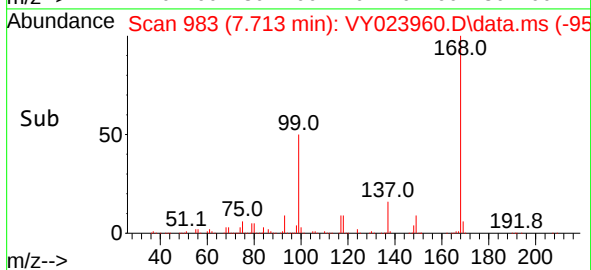
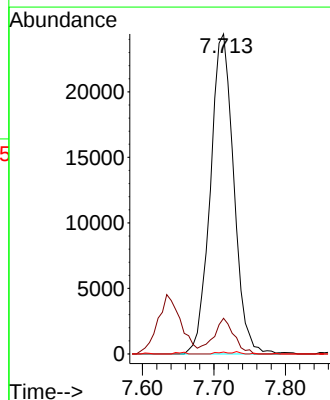
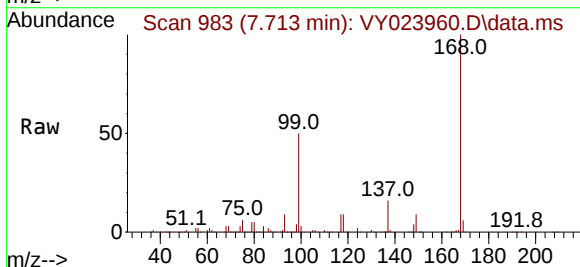
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

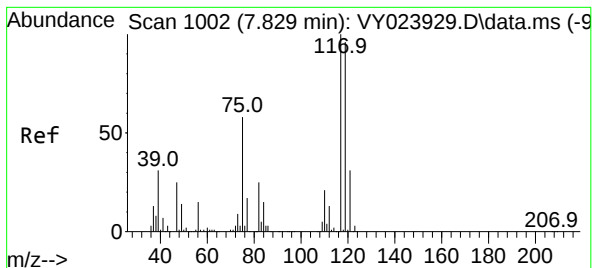
Tgt Ion:113 Resp: 451553
Ion Ratio Lower Upper
113 100
111 102.8 82.4 123.6
192 23.0 17.9 26.9



#36
1,1-Dichloropropene
Concen: 4.250 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY023960.D
Acq: 11 Dec 2025 17:15

Tgt Ion: 75 Resp: 55427
Ion Ratio Lower Upper
75 100
110 9.8 19.2 57.6#
77 0.3 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 4.862 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY023960.D

Acq: 11 Dec 2025 17:15

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

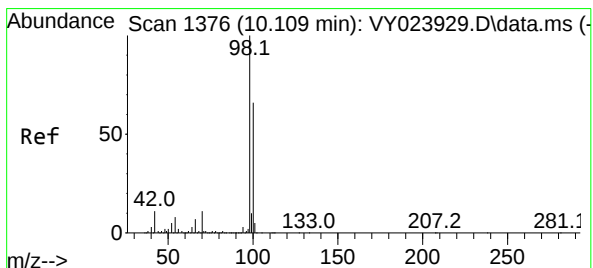
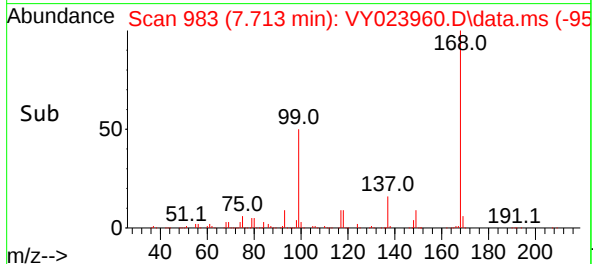
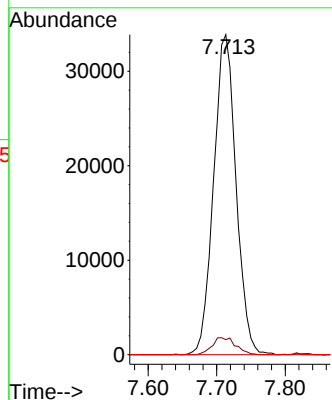
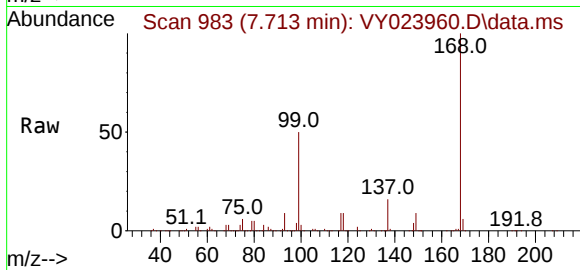
Tgt Ion:117 Resp: 76851

Ion Ratio Lower Upper

117 100

119 4.7 76.6 114.8#

121 0.0 24.8 37.2#



#50

Toluene-d8

Concen: 46.649 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY023960.D

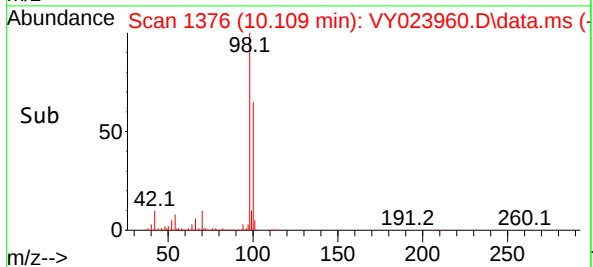
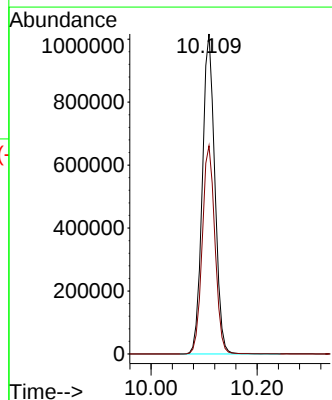
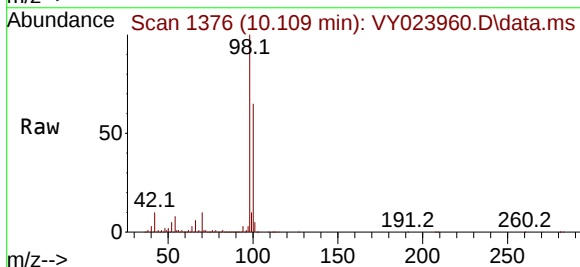
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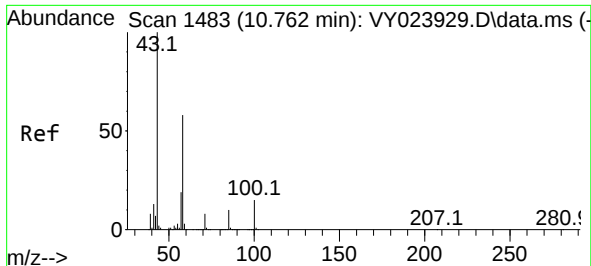
Tgt Ion: 98 Resp: 1663638

Ion Ratio Lower Upper

98 100

100 66.0 52.8 79.2

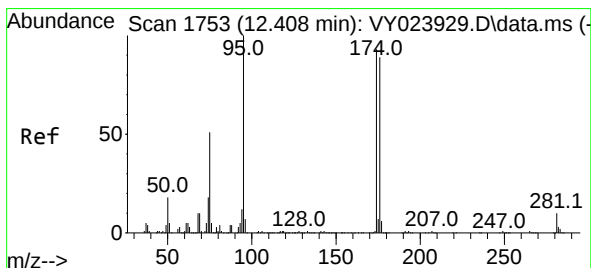
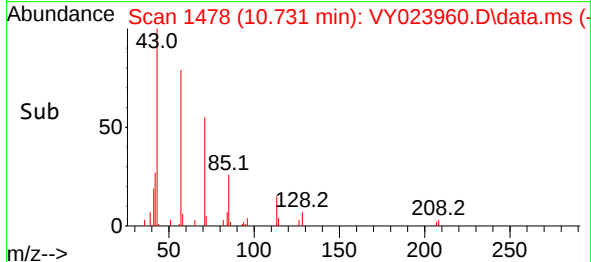
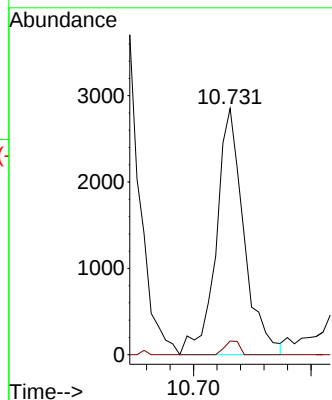
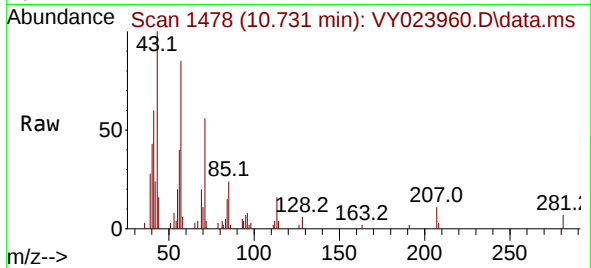




#59
2-Hexanone
Concen: 1.161 ug/l
RT: 10.731 min Scan# 1483
Delta R.T. -0.030 min
Lab File: VY023960.D
Acq: 11 Dec 2025 17:15

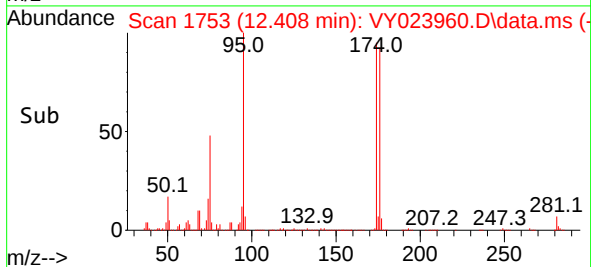
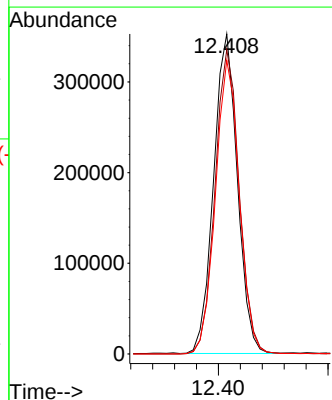
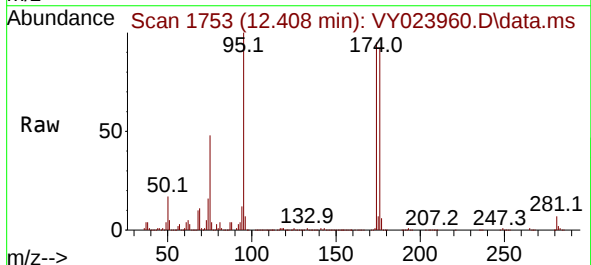
Instrument :
MSVOA_Y
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VIBLK

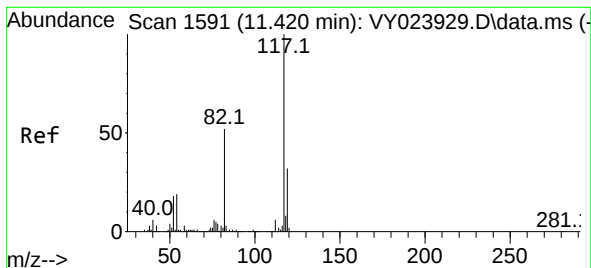
Tgt Ion: 43 Resp: 4668
Ion Ratio Lower Upper
43 100
58 3.0 29.0 87.0#



#62
4-Bromofluorobenzene
Concen: 44.612 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY023960.D
Acq: 11 Dec 2025 17:15

Tgt Ion: 95 Resp: 531315
Ion Ratio Lower Upper
95 100
174 97.1 0.0 187.4
176 92.6 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: VY023960.D

Acq: 11 Dec 2025 17:15

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

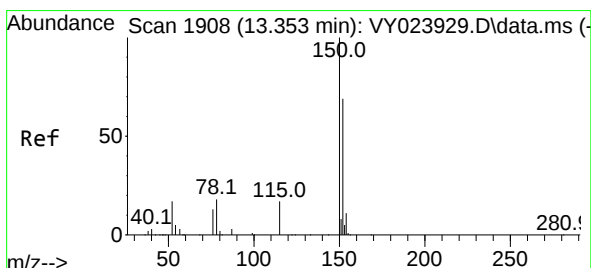
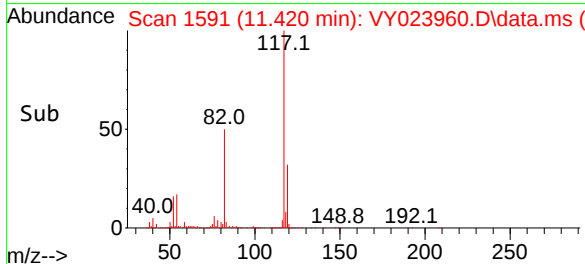
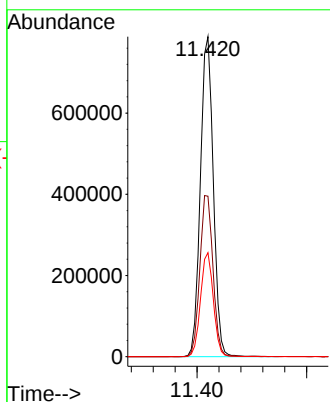
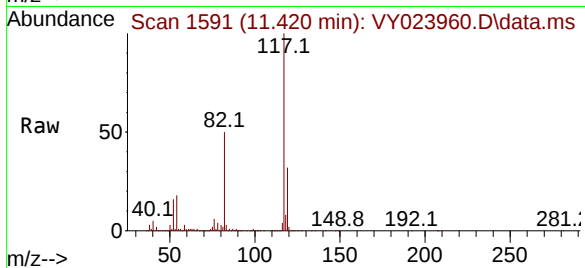
Tgt Ion:117 Resp: 1289066

Ion Ratio Lower Upper

117 100

82 50.1 41.4 62.2

119 32.5 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY023960.D

Acq: 11 Dec 2025 17:15

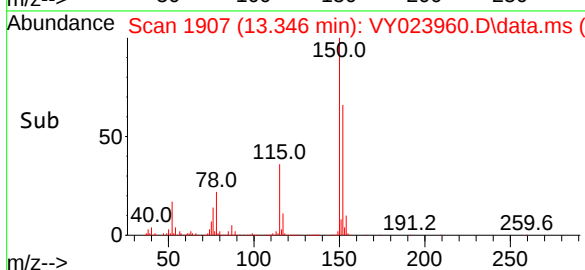
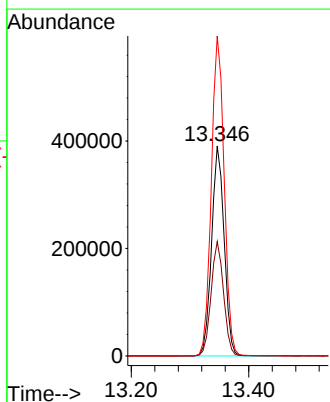
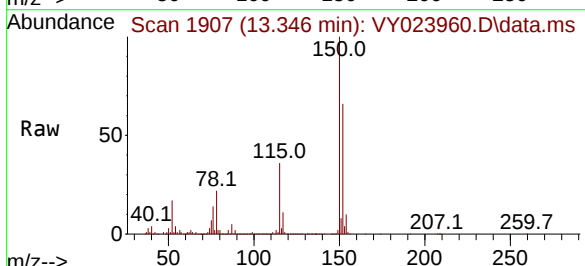
Tgt Ion:152 Resp: 580679

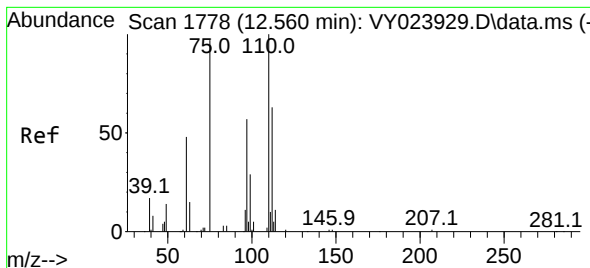
Ion Ratio Lower Upper

152 100

115 54.4 27.3 81.9

150 155.3 0.0 347.6

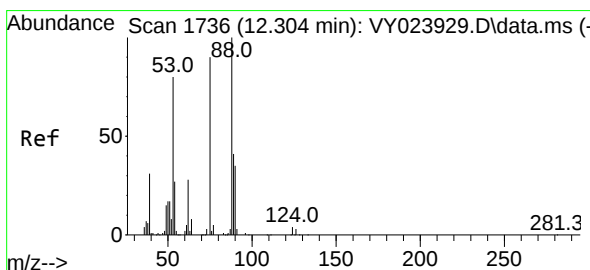
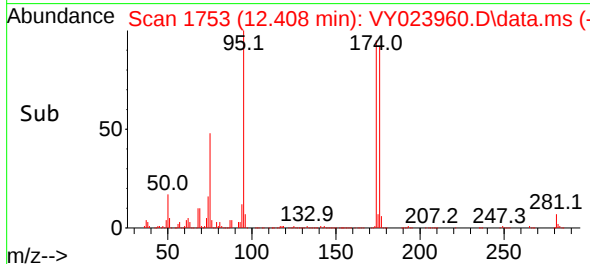
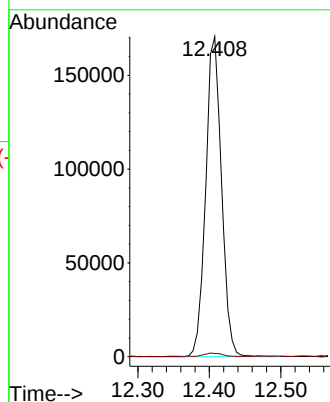
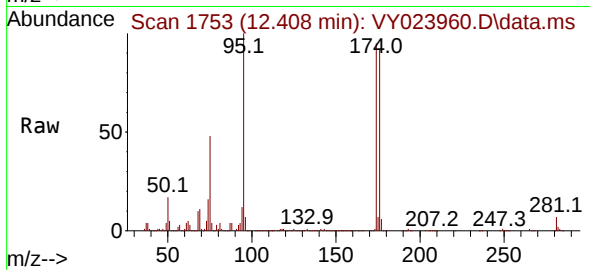




#76
1,2,3-Trichloropropane
Concen: 53.383 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY023960.D
Acq: 11 Dec 2025 17:15

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 262216
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 121.513 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY023960.D
Acq: 11 Dec 2025 17:15

Tgt Ion: 75 Resp: 262216
Ion Ratio Lower Upper
75 100
53 0.2 73.4 110.0#
89 0.1 38.9 58.3#

