

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
 Data File : VY023839.D
 Acq On : 01 Dec 2025 13:36
 Operator : SY/MD
 Sample : Q3741-04
 Misc : 5.64g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B50-SP9-112425

Quant Time: Dec 02 03:16:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 27 01:14:36 2025
 Response via : Initial Calibration

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

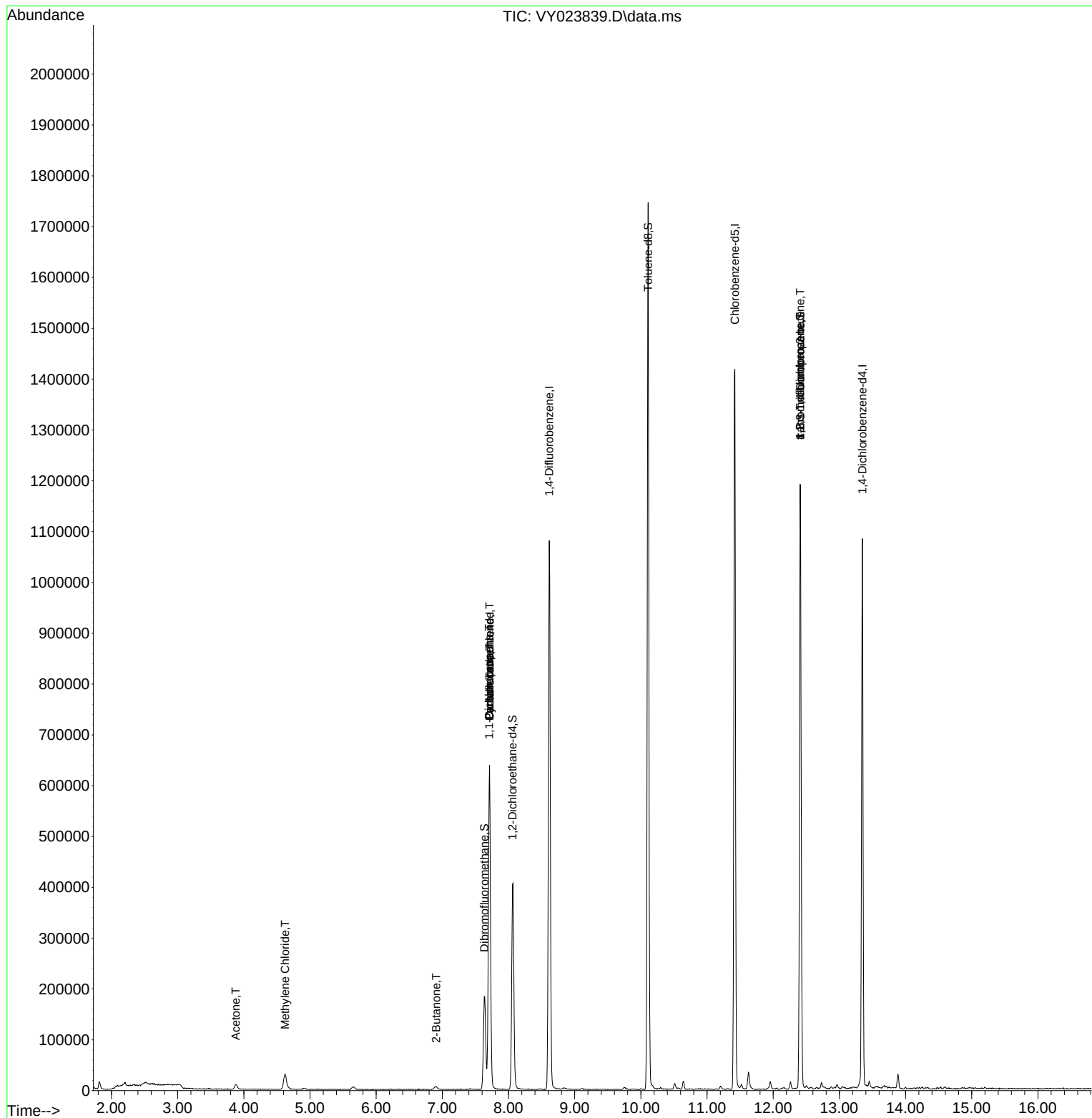
Internal Standards						
1) Pentafluorobenzene	7.713	168	491424	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	929861	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	778289	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	274066	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	326284	68.179	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	136.360%
35) Dibromofluoromethane	7.634	113	135756	24.645	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	49.300%#
50) Toluene-d8	10.109	98	1111835	50.817	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.640%
62) 4-Bromofluorobenzene	12.408	95	291322	40.467	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.940%
Target Compounds						
						Qvalue
16) Acetone	3.879	43	17509	12.698	ug/l	95
20) Methylene Chloride	4.623	84	21318	3.657	ug/l	97
25) 2-Butanone	6.909	43	2825	1.679	ug/l #	87
31) Cyclohexane	7.713	56	10166	1.105	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	37207	4.405	ug/l #	50
38) Carbon Tetrachloride	7.713	117	48633	5.246	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	153710	64.494	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	153710	136.321	ug/l #	14

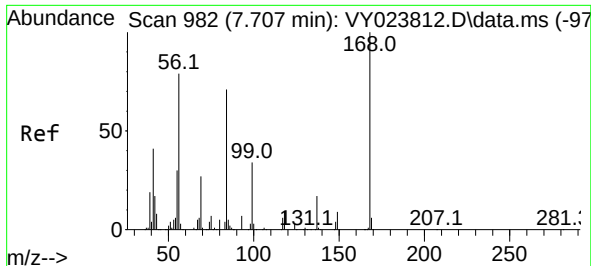
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
B50-SP9-112425

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Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

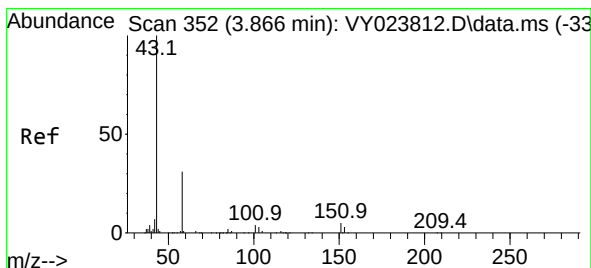
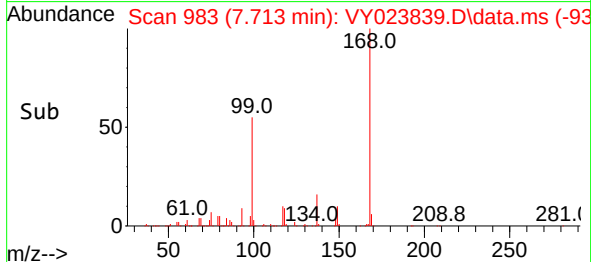
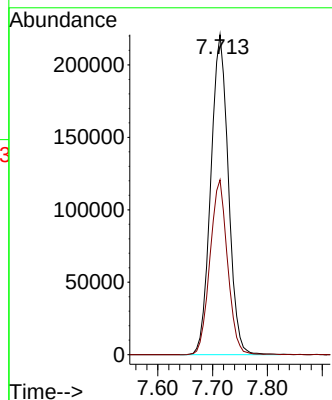
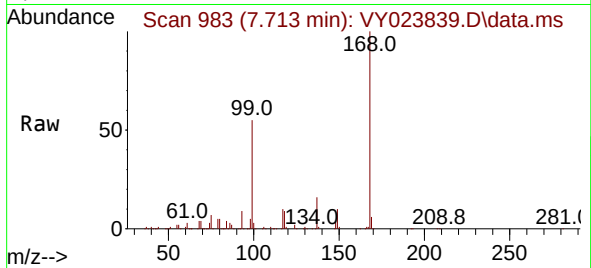




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023839.D
Acq: 01 Dec 2025 13:36

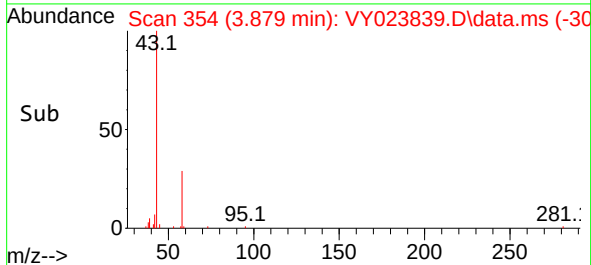
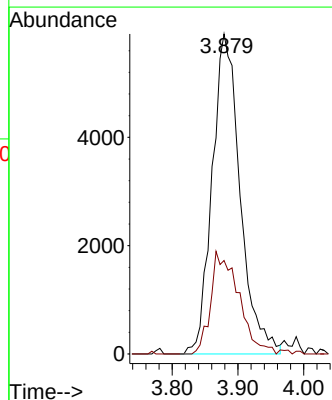
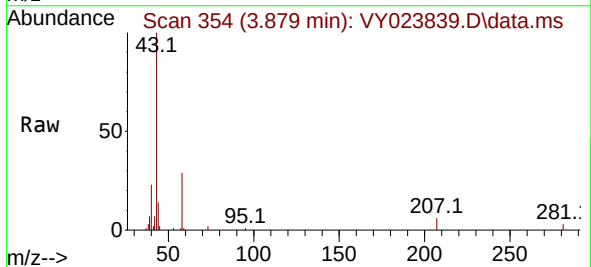
Instrument :
MSVOA_Y
ClientSampleId :
B50-SP9-112425

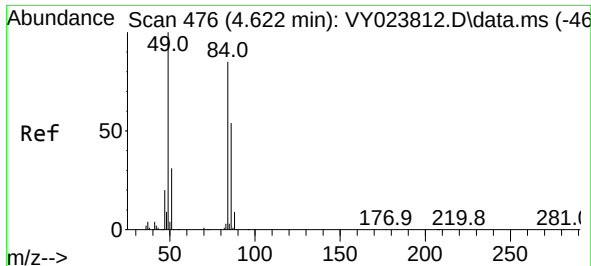
Tgt Ion:168 Resp: 491424
Ion Ratio Lower Upper
168 100
99 54.6 44.0 66.0



#16
Acetone
Concen: 12.698 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.012 min
Lab File: VY023839.D
Acq: 01 Dec 2025 13:36

Tgt Ion: 43 Resp: 17509
Ion Ratio Lower Upper
43 100
58 29.2 25.4 38.2

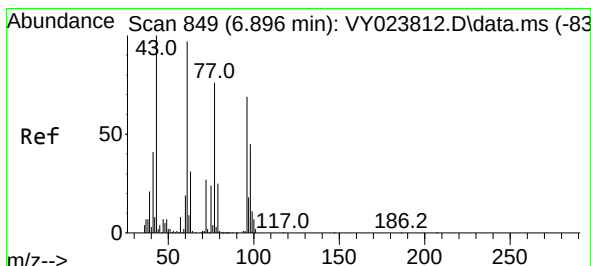
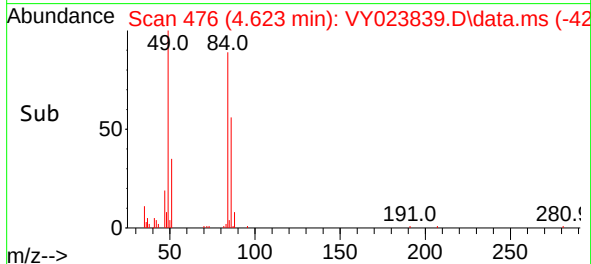
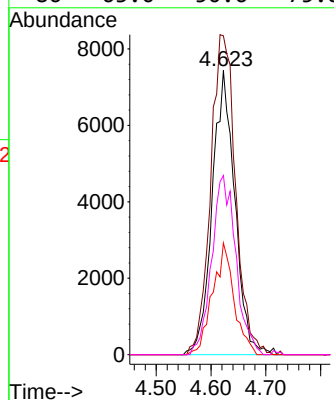
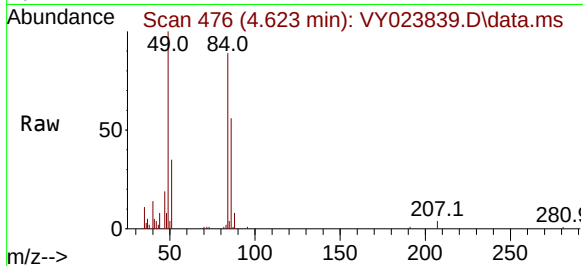




#20
Methylene Chloride
Concen: 3.657 ug/l
RT: 4.623 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY023839.D
Acq: 01 Dec 2025 13:36

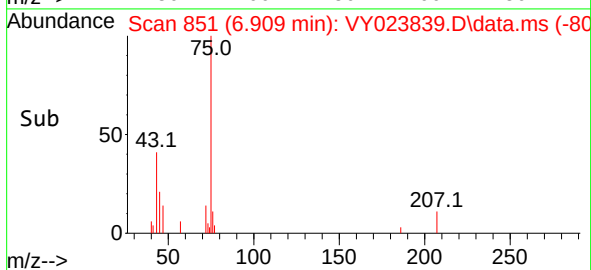
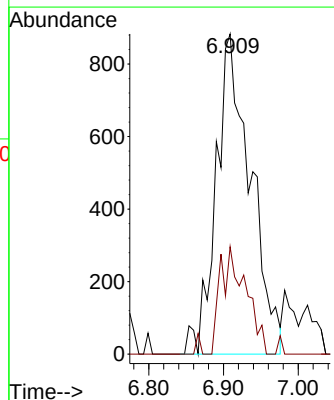
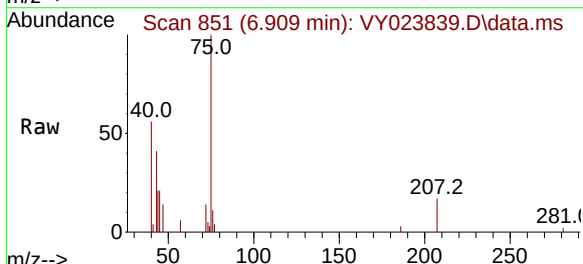
Instrument :
MSVOA_Y
ClientSampleId :
B50-SP9-112425

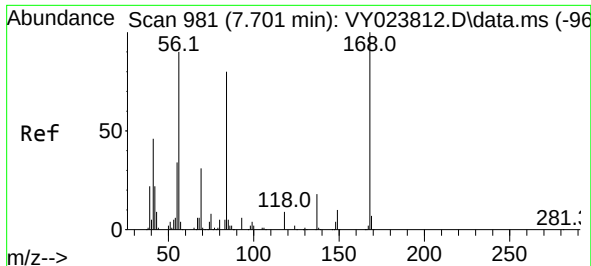
Tgt Ion:	84	Resp:	21318
Ion	Ratio	Lower	Upper
84	100		
49	112.2	94.0	141.0
51	39.3	29.2	43.8
86	63.0	50.6	75.8



#25
2-Butanone
Concen: 1.679 ug/l
RT: 6.909 min Scan# 851
Delta R.T. 0.012 min
Lab File: VY023839.D
Acq: 01 Dec 2025 13:36

Tgt Ion:	43	Resp:	2825
Ion	Ratio	Lower	Upper
43	100		
72	33.5	21.3	31.9#

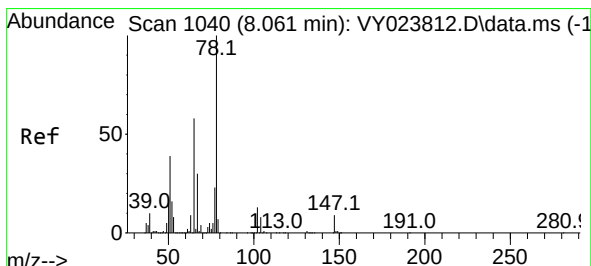
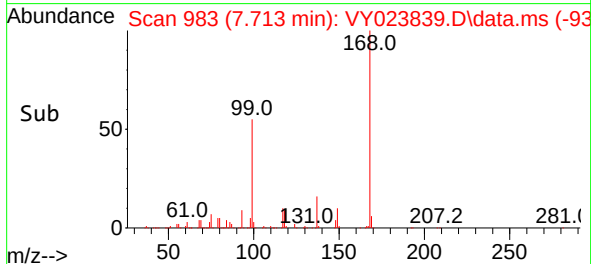
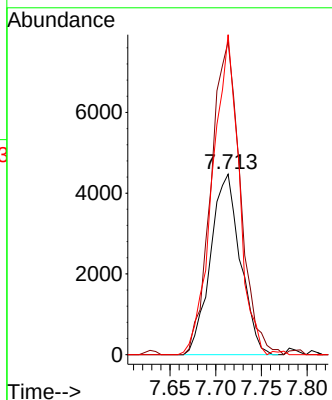
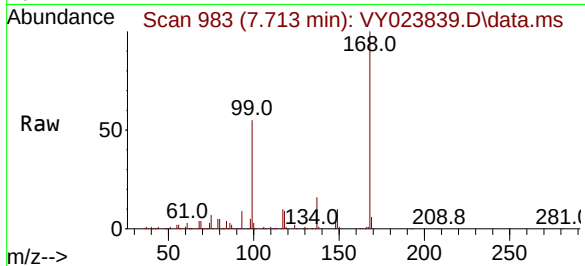




#31
Cyclohexane
Concen: 1.105 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY023839.D
Acq: 01 Dec 2025 13:36

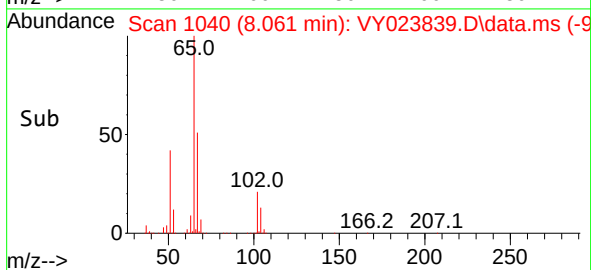
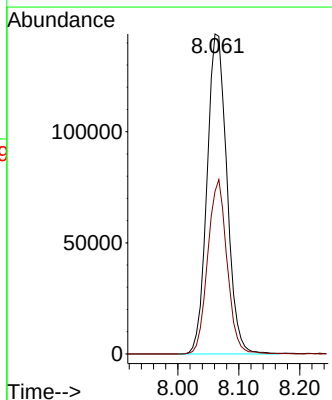
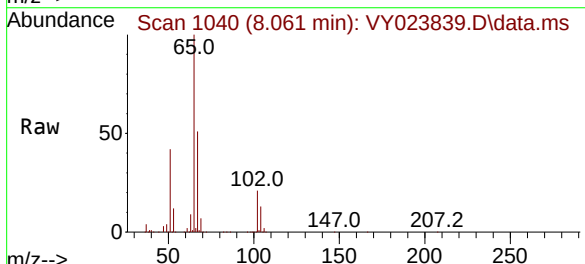
Instrument :
MSVOA_Y
ClientSampleId :
B50-SP9-112425

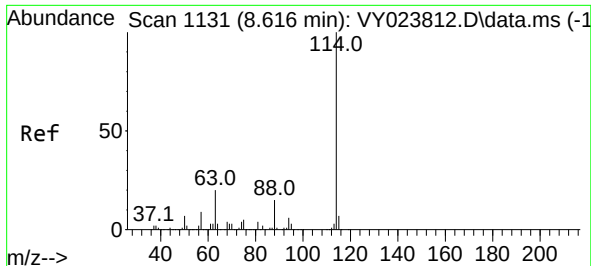
Tgt Ion: 56 Resp: 10166
Ion Ratio Lower Upper
56 100
69 173.5 27.8 41.6#
84 177.3 71.8 107.8#



#33
1,2-Dichloroethane-d4
Concen: 68.179 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023839.D
Acq: 01 Dec 2025 13:36

Tgt Ion: 65 Resp: 326284
Ion Ratio Lower Upper
65 100
67 52.9 0.0 107.4

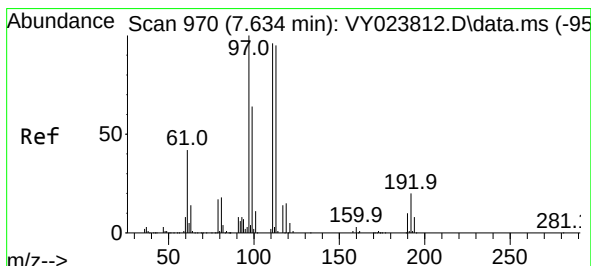
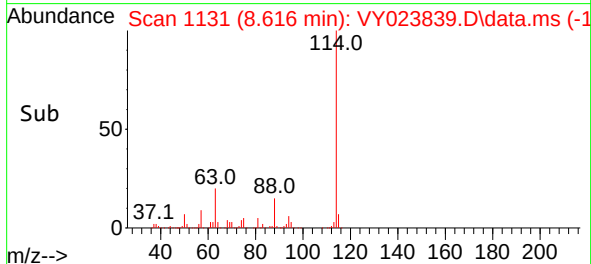
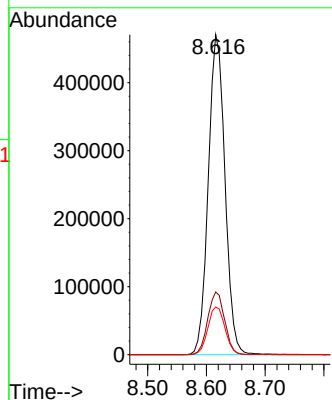
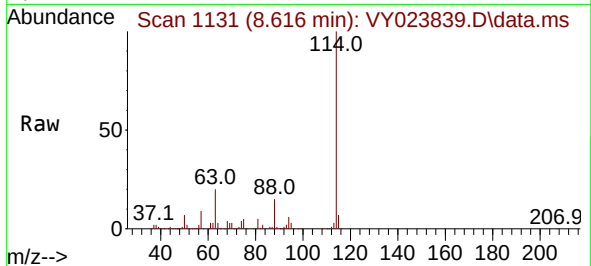




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. 0.000 min
 Lab File: VY023839.D
 Acq: 01 Dec 2025 13:36

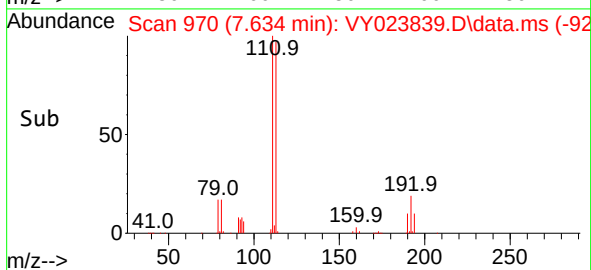
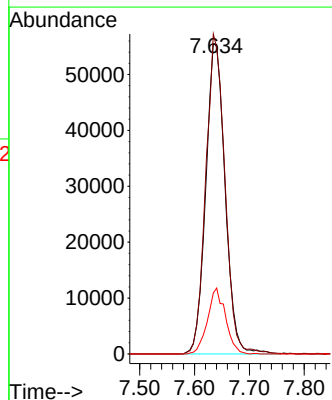
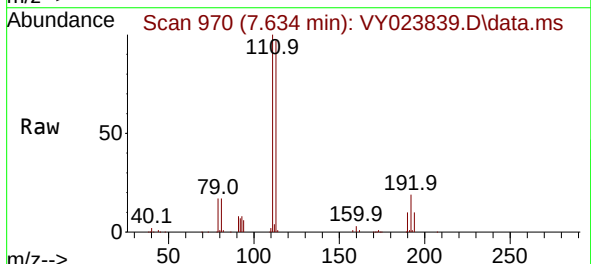
Instrument :
 MSVOA_Y
 ClientSampleId :
 B50-SP9-112425

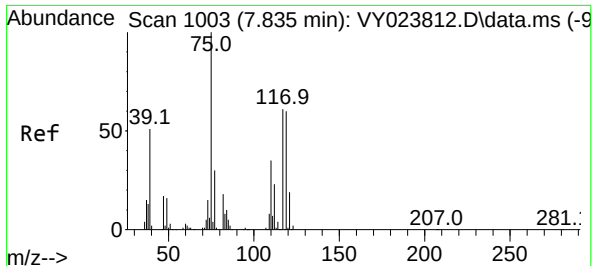
Tgt Ion:114 Resp: 929861
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.4
 88 14.9 0.0 30.8



#35
 Dibromofluoromethane
 Concen: 24.645 ug/l
 RT: 7.634 min Scan# 970
 Delta R.T. 0.000 min
 Lab File: VY023839.D
 Acq: 01 Dec 2025 13:36

Tgt Ion:113 Resp: 135756
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.4 122.0
 192 19.8 15.8 23.8





#36

1,1-Dichloropropene

Concen: 4.405 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY023839.D

Acq: 01 Dec 2025 13:36

Instrument :

MSVOA_Y

ClientSampleId :

B50-SP9-112425

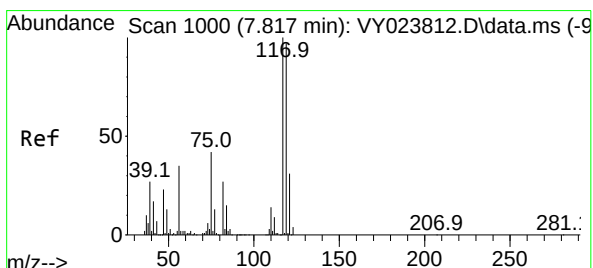
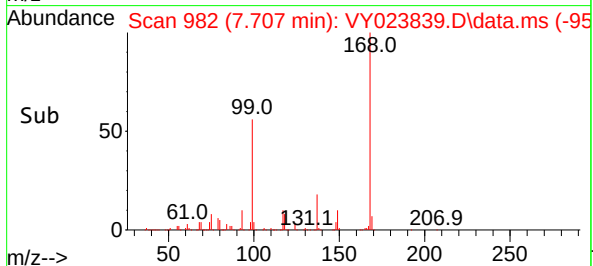
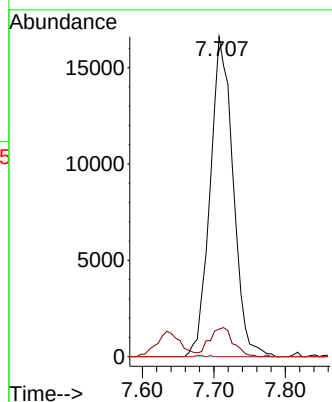
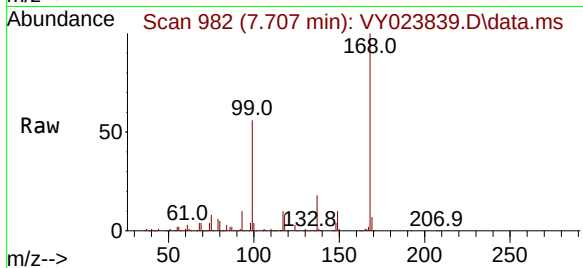
Tgt Ion: 75 Resp: 37207

Ion Ratio Lower Upper

75 100

110 9.4 17.6 52.8#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.246 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.103 min

Lab File: VY023839.D

Acq: 01 Dec 2025 13:36

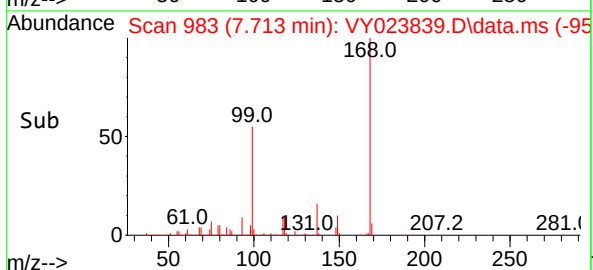
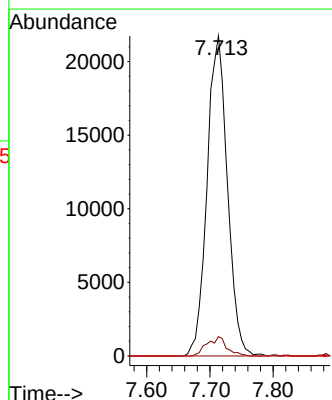
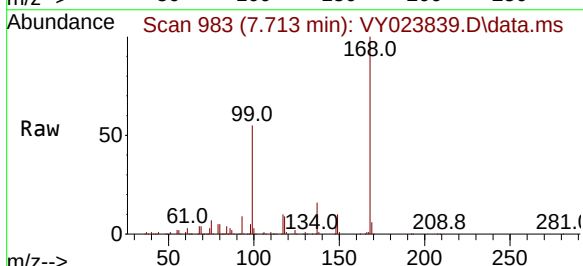
Tgt Ion: 117 Resp: 48633

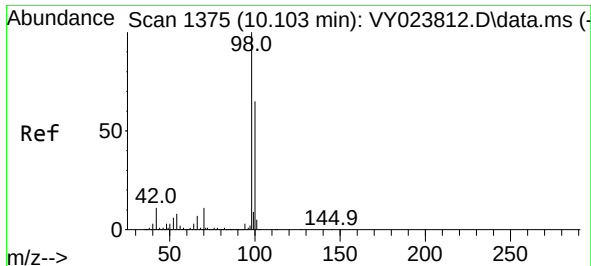
Ion Ratio Lower Upper

117 100

119 6.0 77.3 115.9#

121 0.0 25.0 37.6#

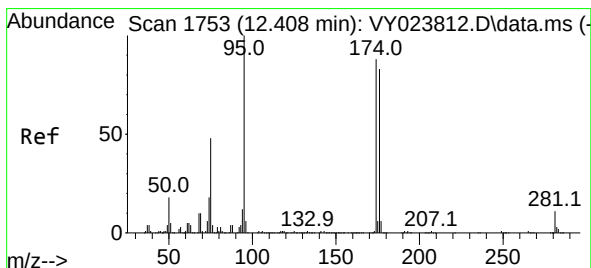
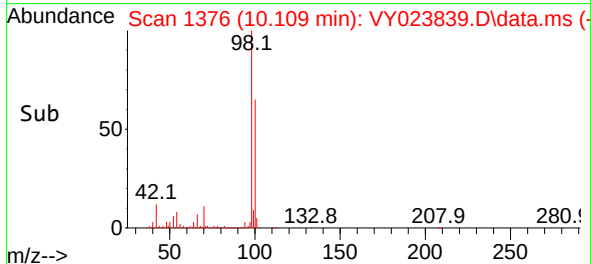
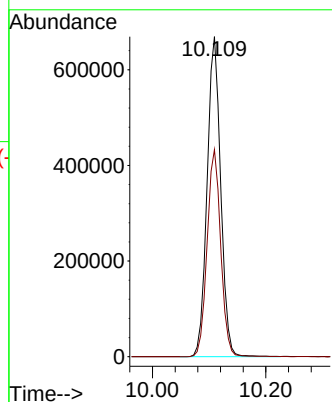
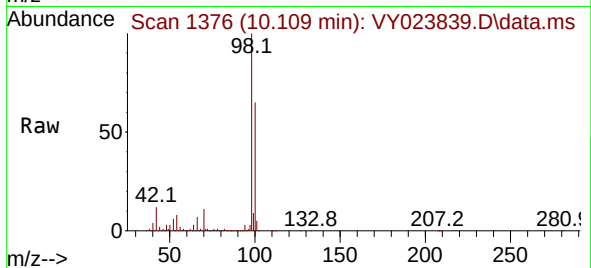




#50
Toluene-d8
Concen: 50.817 ug/l
RT: 10.109 min Scan# 1111835
Delta R.T. 0.006 min
Lab File: VY023839.D
Acq: 01 Dec 2025 13:36

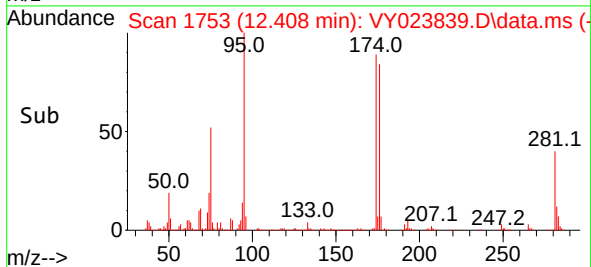
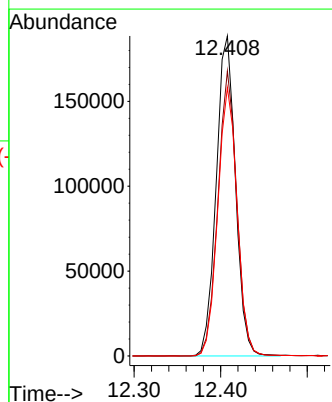
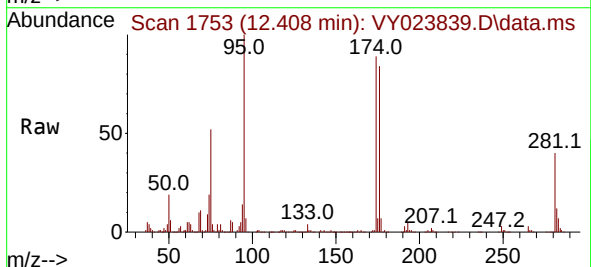
Instrument :
MSVOA_Y
ClientSampleId :
B50-SP9-112425

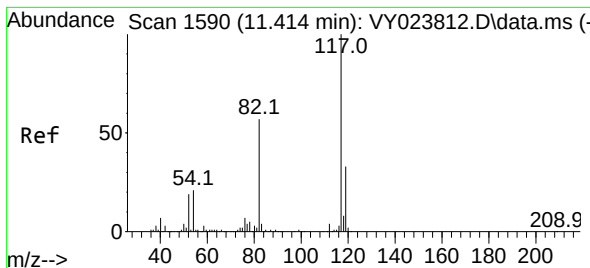
Tgt Ion: 98 Resp: 1111835
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 40.467 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY023839.D
Acq: 01 Dec 2025 13:36

Tgt Ion: 95 Resp: 291322
Ion Ratio Lower Upper
95 100
174 87.7 0.0 168.6
176 84.4 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023839.D

Acq: 01 Dec 2025 13:36

Instrument :

MSVOA_Y

ClientSampleId :

B50-SP9-112425

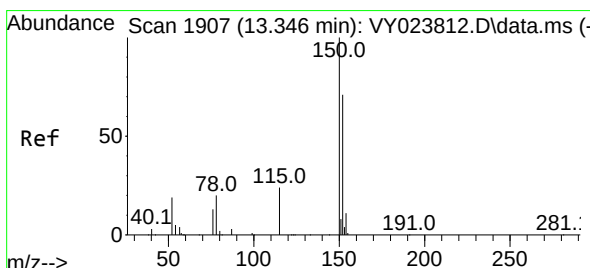
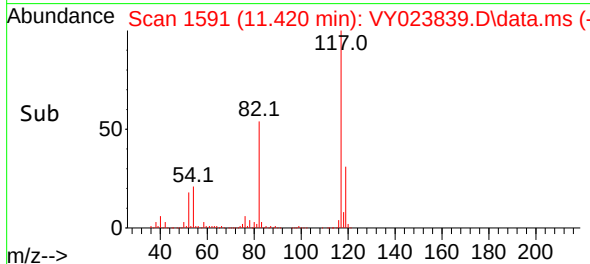
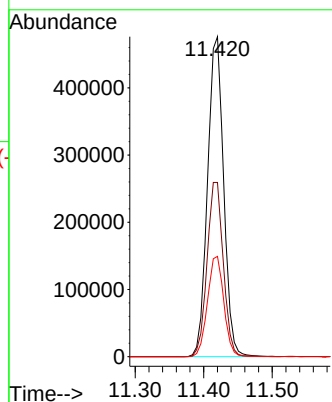
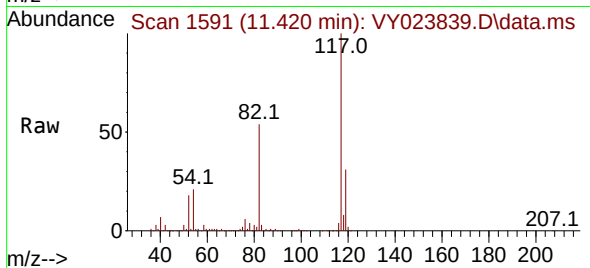
Tgt Ion:117 Resp: 778289

Ion Ratio Lower Upper

117 100

82 54.5 45.4 68.0

119 31.4 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023839.D

Acq: 01 Dec 2025 13:36

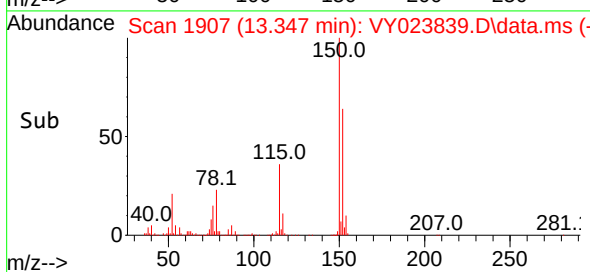
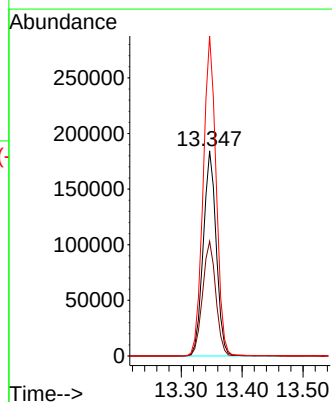
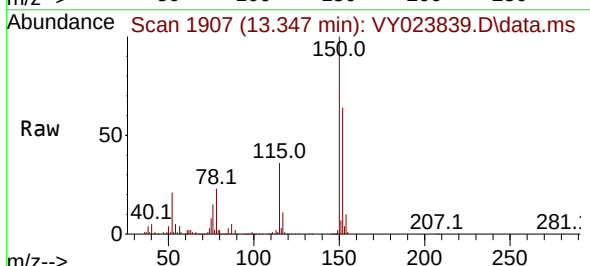
Tgt Ion:152 Resp: 274066

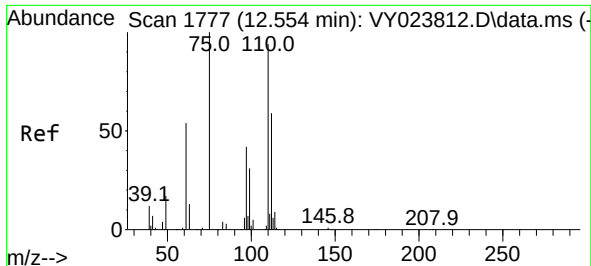
Ion Ratio Lower Upper

152 100

115 57.0 28.7 86.3

150 156.1 0.0 345.6

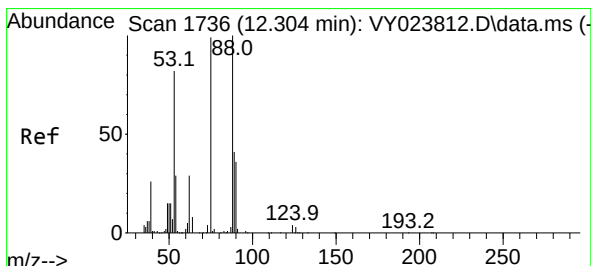
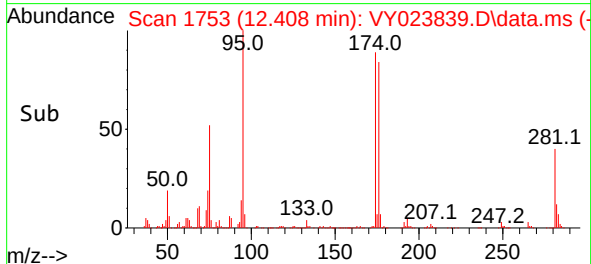
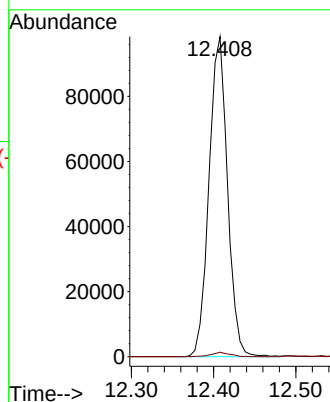
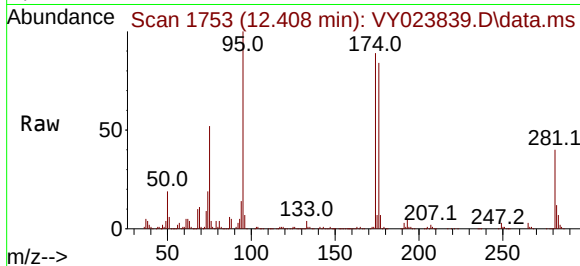




#76
1,2,3-Trichloropropane
Concen: 64.494 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023839.D
Acq: 01 Dec 2025 13:36

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP9-112425

Tgt Ion: 75 Resp: 153710
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 136.321 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY023839.D
Acq: 01 Dec 2025 13:36

Tgt Ion: 75 Resp: 153710
Ion Ratio Lower Upper
75 100
53 0.3 71.3 106.9#
89 0.6 37.0 55.4#

