

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
 Data File : VY023838.D
 Acq On : 01 Dec 2025 13:12
 Operator : SY/MD
 Sample : Q3741-03
 Misc : 4.69g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B50-SP14-112025

Quant Time: Dec 02 03:16:27 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	548000	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1005981	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	813032	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	286147	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	341316	63.957	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	127.920%
35) Dibromofluoromethane	7.640	113	234976	39.430	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	78.860%
50) Toluene-d8	10.109	98	1203709	50.853	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.700%
62) 4-Bromofluorobenzene	12.408	95	304631	39.114	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.220%

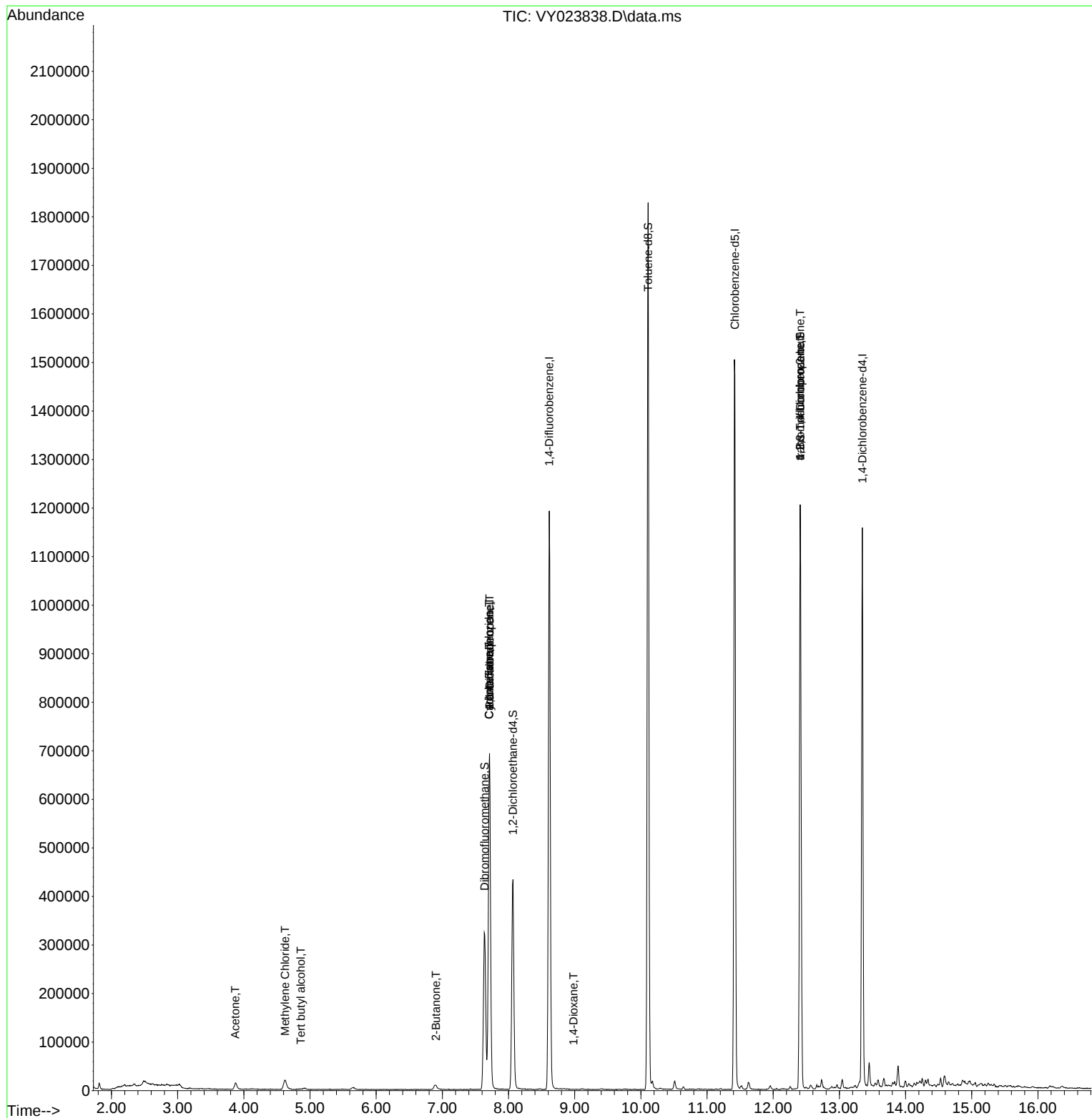
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.860	59	565	1.289	ug/l #	73
16) Acetone	3.873	43	23001	14.959	ug/l	97
20) Methylene Chloride	4.622	84	14676	2.258	ug/l	98
25) 2-Butanone	6.903	43	2012	1.072	ug/l #	87
31) Cyclohexane	7.707	56	11412	1.112	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	42324	4.632	ug/l #	50
38) Carbon Tetrachloride	7.707	117	53335	5.318	ug/l #	16
49) 1,4-Dioxane	8.981	88	46	1.141	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	159693	64.175	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	159693	135.648	ug/l #	14

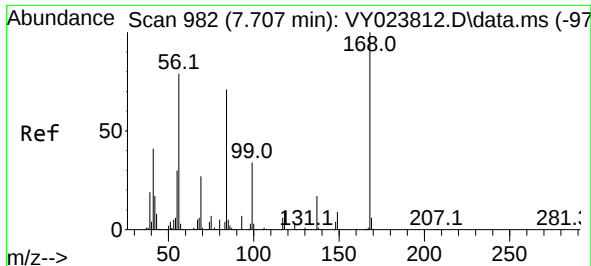
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
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Instrument :
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ClientSampleId :
B50-SP14-112025

Quant Time: Dec 02 03:16:27 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

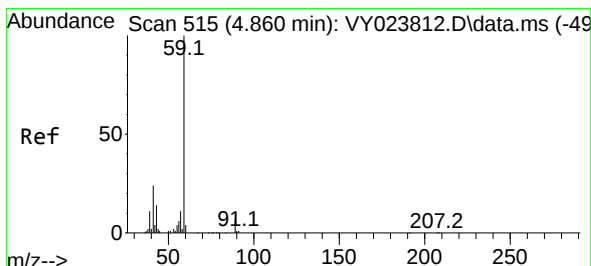
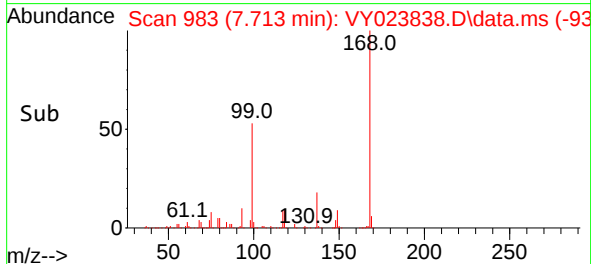
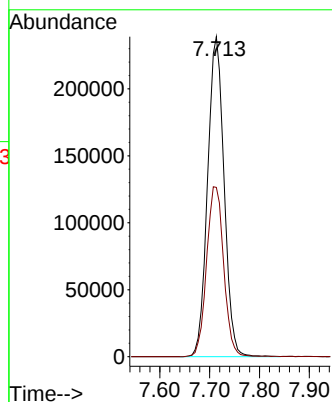
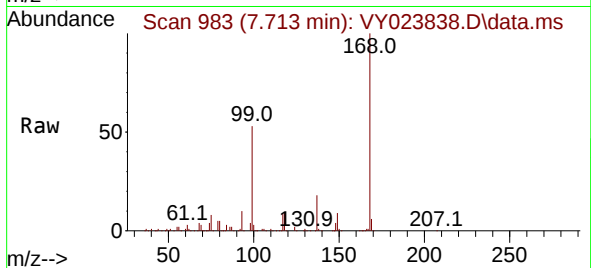




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023838.D
Acq: 01 Dec 2025 13:12

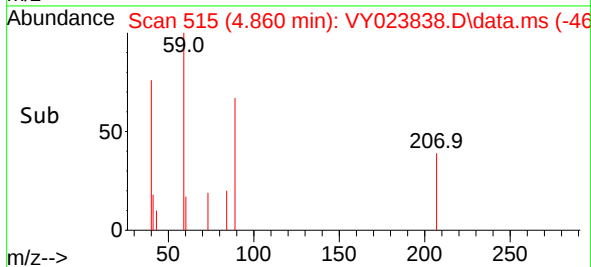
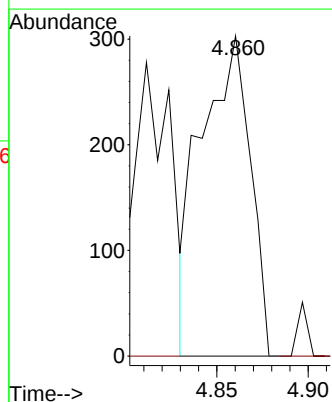
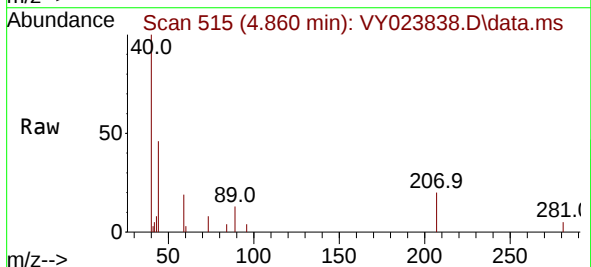
Instrument :
MSVOA_Y
ClientSampleId :
B50-SP14-112025

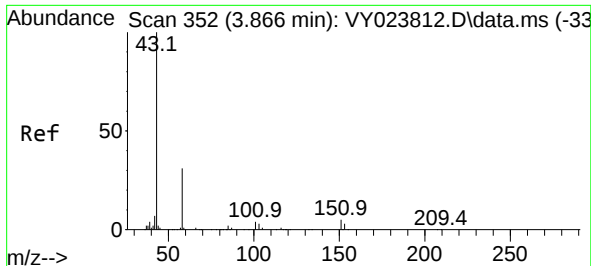
Tgt Ion:168 Resp: 548000
Ion Ratio Lower Upper
168 100
99 52.9 44.0 66.0



#11
Tert butyl alcohol
Concen: 1.289 ug/l
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY023838.D
Acq: 01 Dec 2025 13:12

Tgt Ion: 59 Resp: 565
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#





#16

Acetone

Concen: 14.959 ug/l

RT: 3.873 min Scan# 353

Delta R.T. 0.006 min

Lab File: VY023838.D

Acq: 01 Dec 2025 13:12

Instrument :

MSVOA_Y

ClientSampleId :

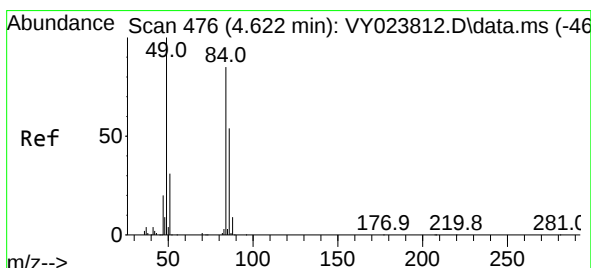
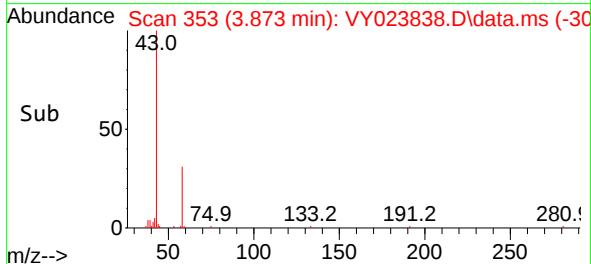
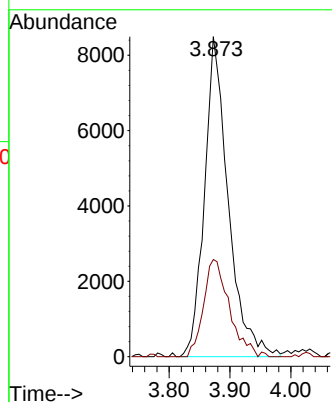
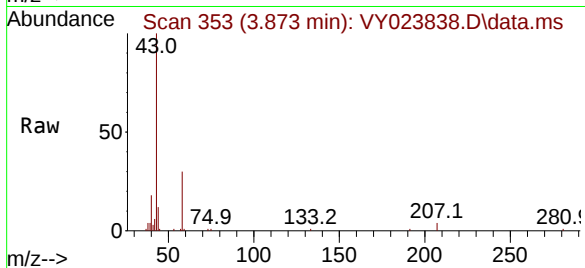
B50-SP14-112025

Tgt Ion: 43 Resp: 23001

Ion Ratio Lower Upper

43 100

58 30.4 25.4 38.2



#20

Methylene Chloride

Concen: 2.258 ug/l

RT: 4.622 min Scan# 476

Delta R.T. 0.000 min

Lab File: VY023838.D

Acq: 01 Dec 2025 13:12

Tgt Ion: 84 Resp: 14676

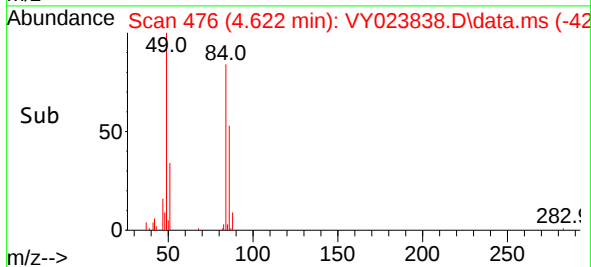
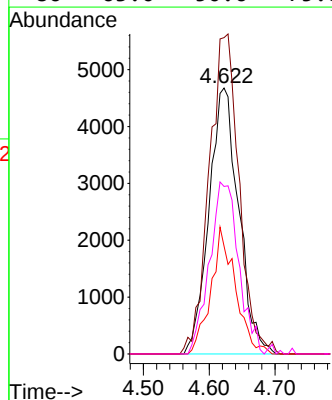
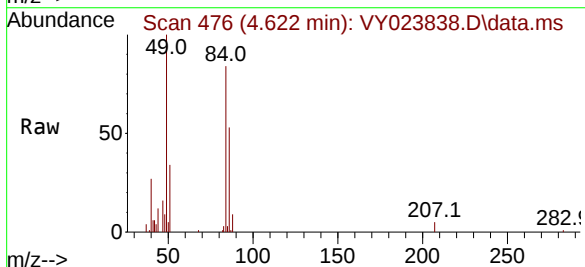
Ion Ratio Lower Upper

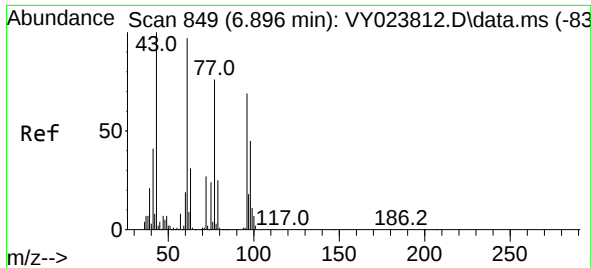
84 100

49 118.9 94.0 141.0

51 40.6 29.2 43.8

86 63.0 50.6 75.8

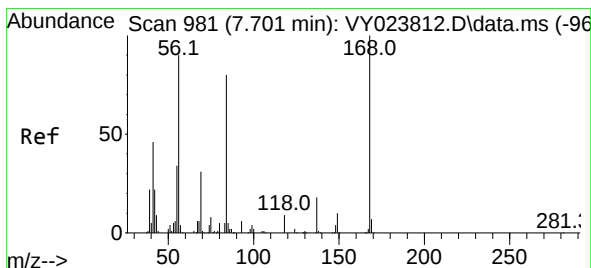
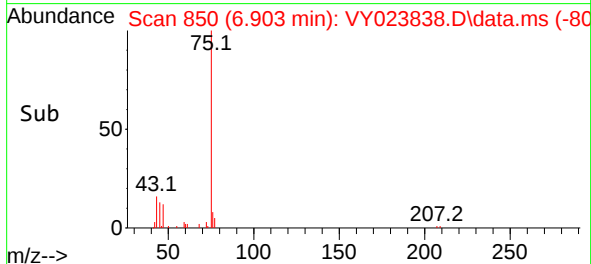
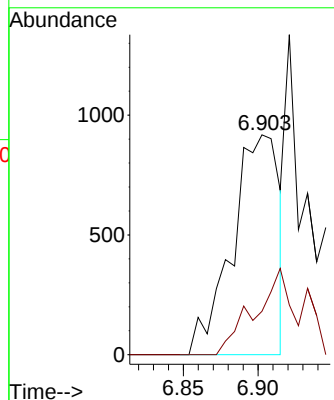
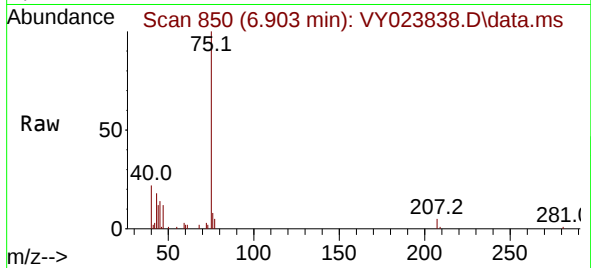




#25
2-Butanone
Concen: 1.072 ug/l
RT: 6.903 min Scan# 81
Delta R.T. 0.006 min
Lab File: VY023838.D
Acq: 01 Dec 2025 13:12

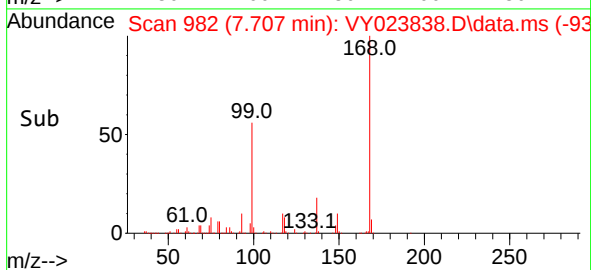
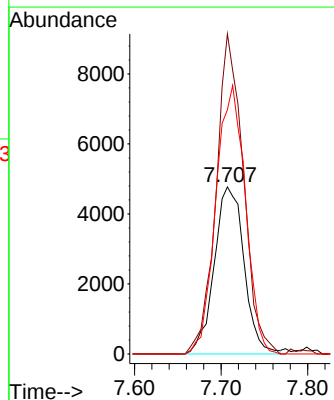
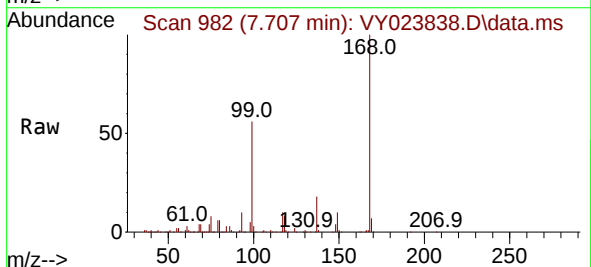
Instrument :
MSVOA_Y
ClientSampleId :
B50-SP14-112025

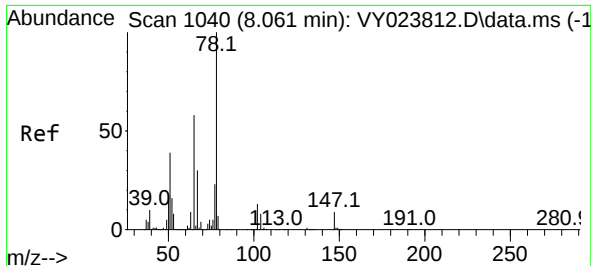
Tgt Ion: 43 Resp: 2012
Ion Ratio Lower Upper
43 100
72 19.7 21.3 31.9#



#31
Cyclohexane
Concen: 1.112 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023838.D
Acq: 01 Dec 2025 13:12

Tgt Ion: 56 Resp: 11412
Ion Ratio Lower Upper
56 100
69 191.6 27.8 41.6#
84 146.2 71.8 107.8#





#33

1,2-Dichloroethane-d4

Concen: 63.957 ug/l

RT: 8.067 min Scan# 11041

Delta R.T. 0.006 min

Lab File: VY023838.D

Acq: 01 Dec 2025 13:12

Instrument :

MSVOA_Y

ClientSampleId :

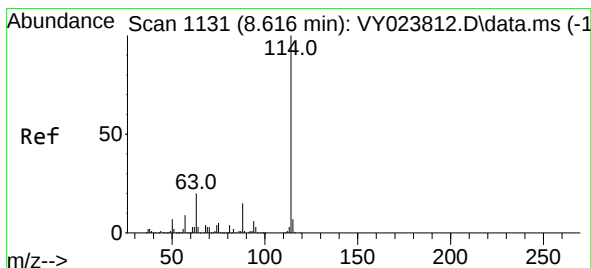
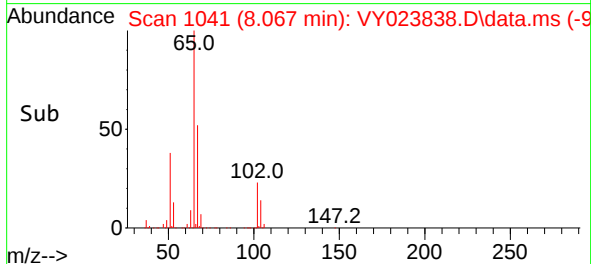
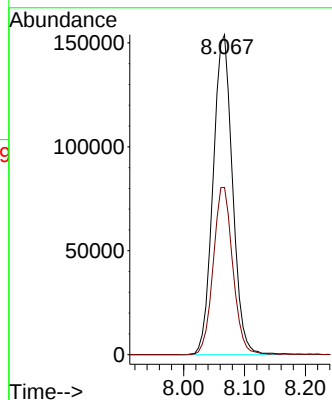
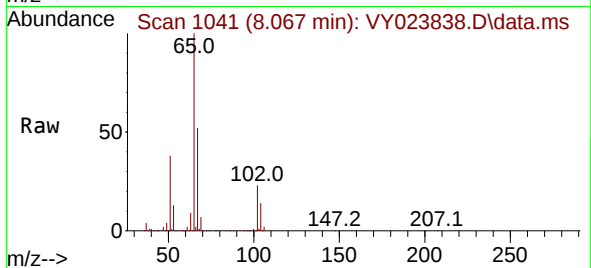
B50-SP14-112025

Tgt Ion: 65 Resp: 341316

Ion Ratio Lower Upper

65 100

67 52.7 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: VY023838.D

Acq: 01 Dec 2025 13:12

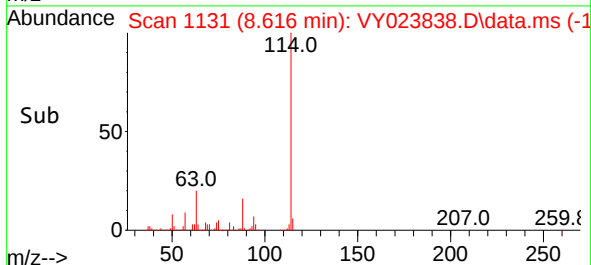
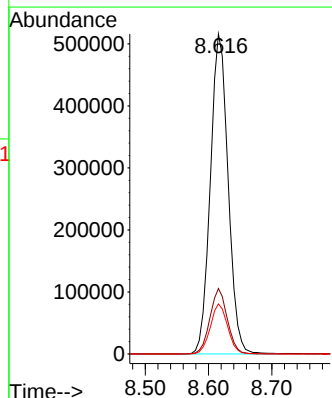
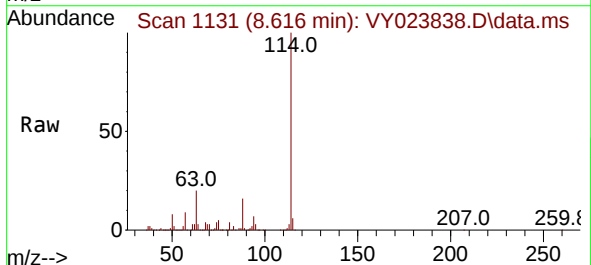
Tgt Ion:114 Resp: 1005981

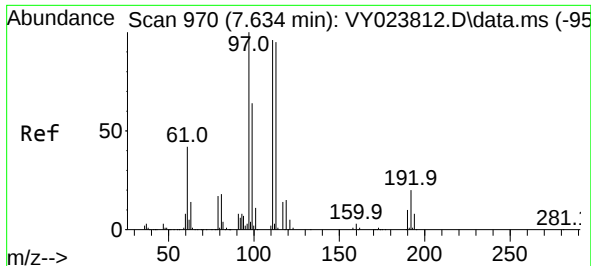
Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.4

88 15.7 0.0 30.8





#35

Dibromofluoromethane

Concen: 39.430 ug/l

RT: 7.640 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY023838.D

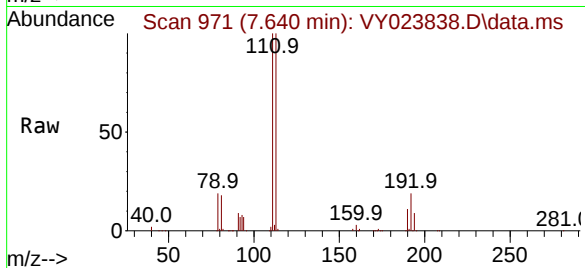
Acq: 01 Dec 2025 13:12

Instrument :

MSVOA_Y

ClientSampleId :

B50-SP14-112025



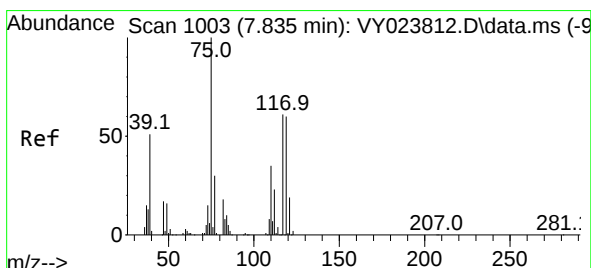
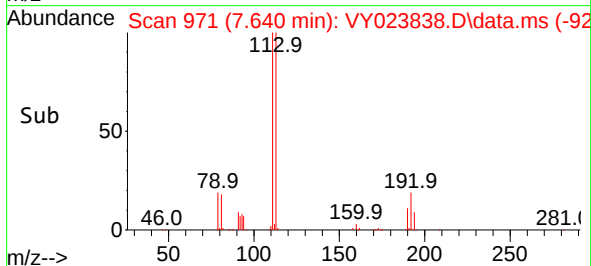
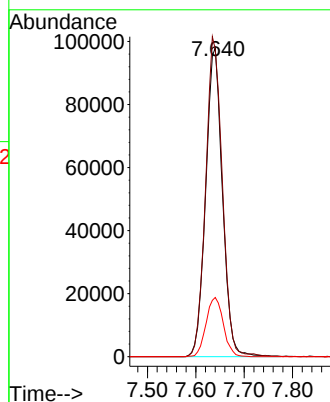
Tgt Ion:113 Resp: 234976

Ion Ratio Lower Upper

113 100

111 103.7 81.4 122.0

192 19.8 15.8 23.8



#36

1,1-Dichloropropene

Concen: 4.632 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY023838.D

Acq: 01 Dec 2025 13:12

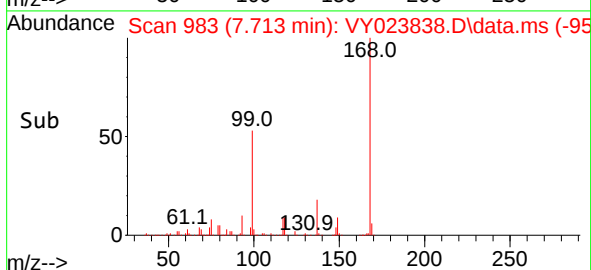
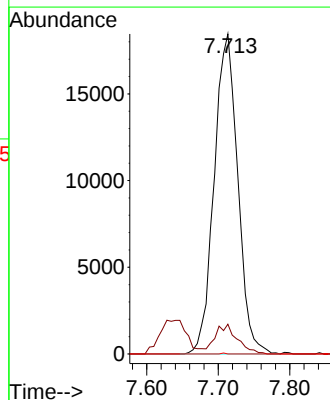
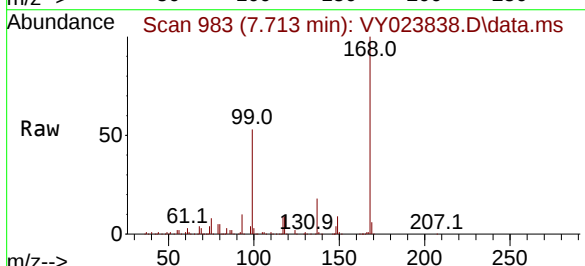
Tgt Ion: 75 Resp: 42324

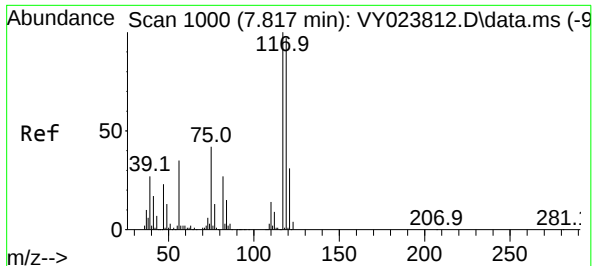
Ion Ratio Lower Upper

75 100

110 9.1 17.6 52.8#

77 0.0 24.9 37.3#

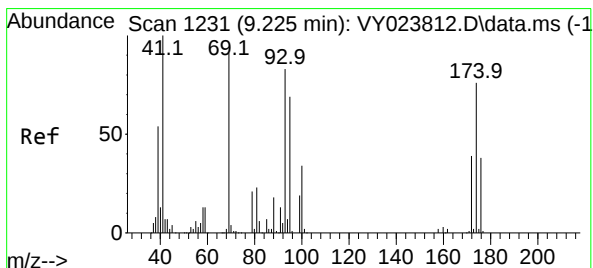
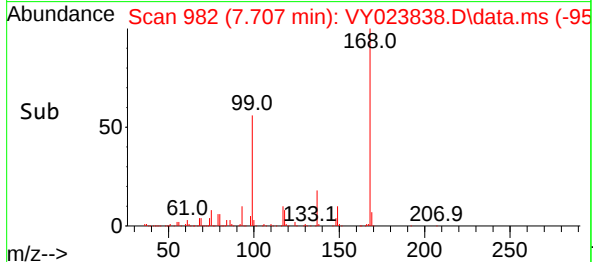
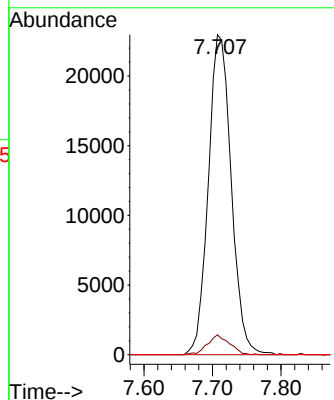
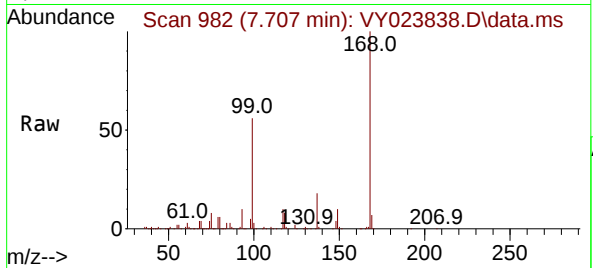




#38
Carbon Tetrachloride
Concen: 5.318 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023838.D
Acq: 01 Dec 2025 13:12

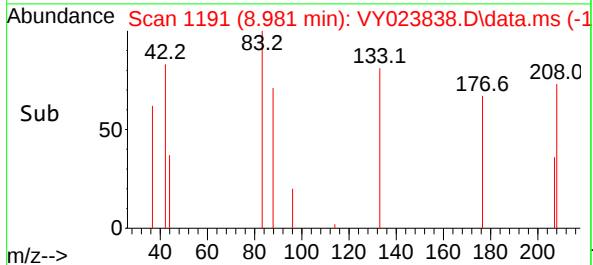
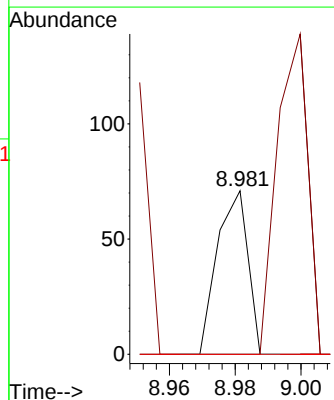
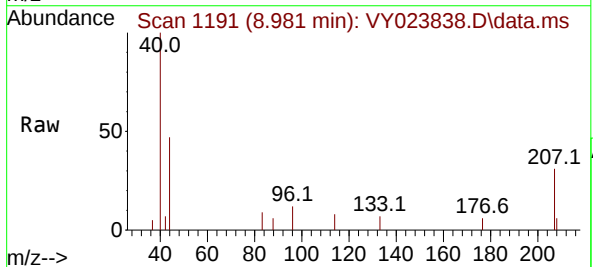
Instrument :
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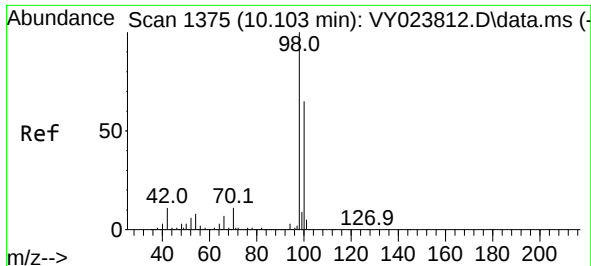
Tgt Ion:117 Resp: 53335
Ion Ratio Lower Upper
117 100
119 6.2 77.3 115.9#
121 0.0 25.0 37.6#



#49
1,4-Dioxane
Concen: 1.141 ug/l
RT: 8.981 min Scan# 1191
Delta R.T. -0.244 min
Lab File: VY023838.D
Acq: 01 Dec 2025 13:12

Tgt Ion: 88 Resp: 46
Ion Ratio Lower Upper
88 100
43 195.7 24.6 37.0#
58 0.0 53.4 80.2#

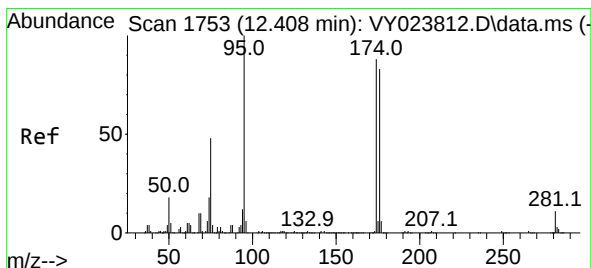
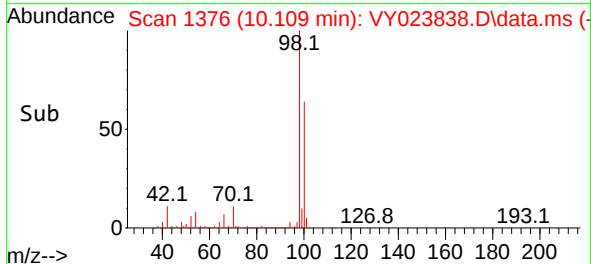
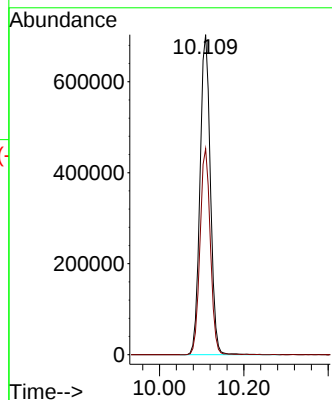
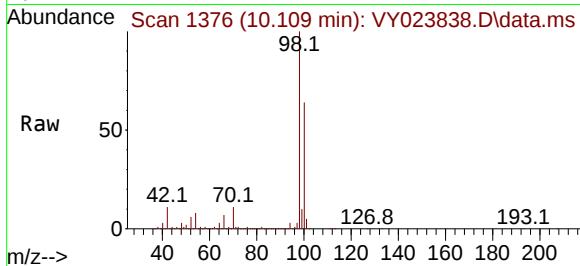




#50
Toluene-d8
Concen: 50.853 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023838.D
Acq: 01 Dec 2025 13:12

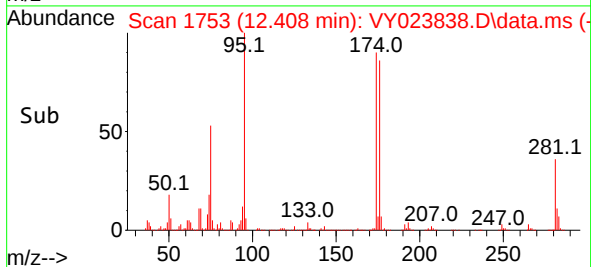
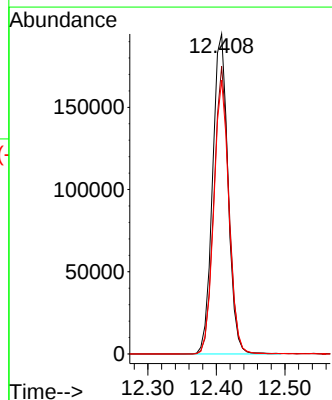
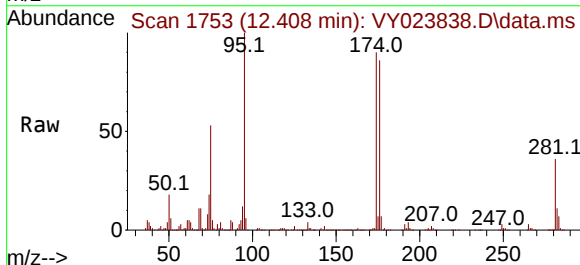
Instrument :
MSVOA_Y
ClientSampleId :
B50-SP14-112025

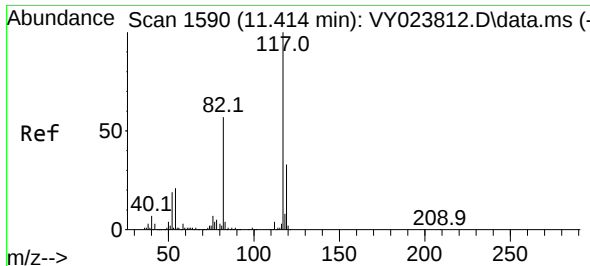
Tgt Ion: 98 Resp: 1203709
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 39.114 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY023838.D
Acq: 01 Dec 2025 13:12

Tgt Ion: 95 Resp: 304631
Ion Ratio Lower Upper
95 100
174 87.2 0.0 168.6
176 83.9 0.0 164.6

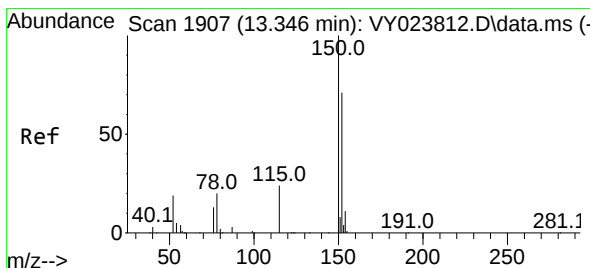
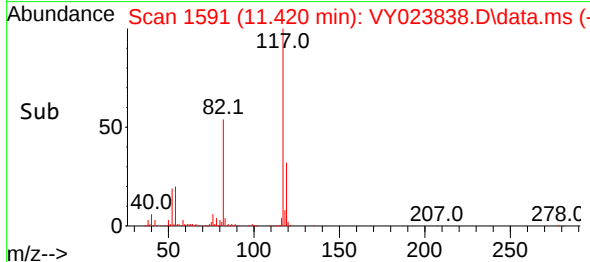
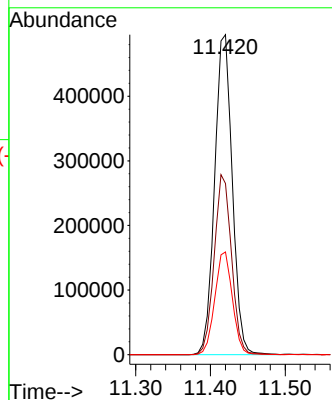
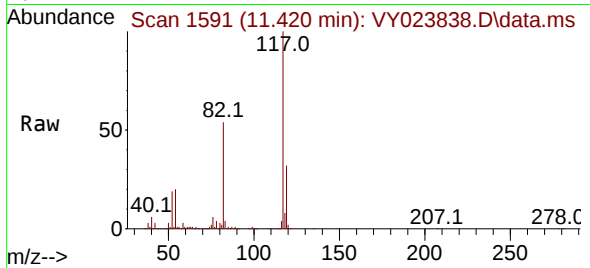




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VY023838.D
Acq: 01 Dec 2025 13:12

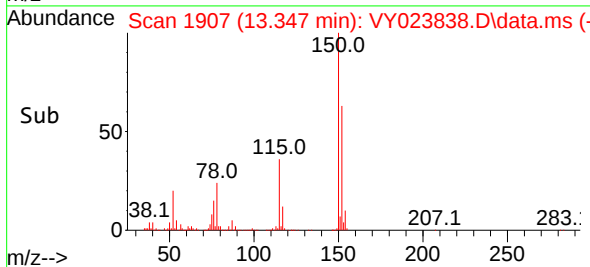
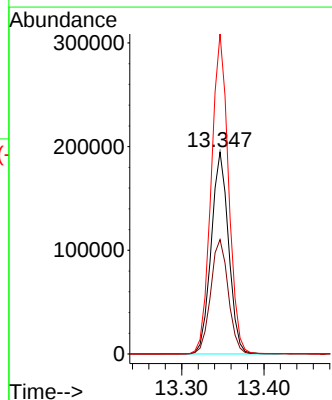
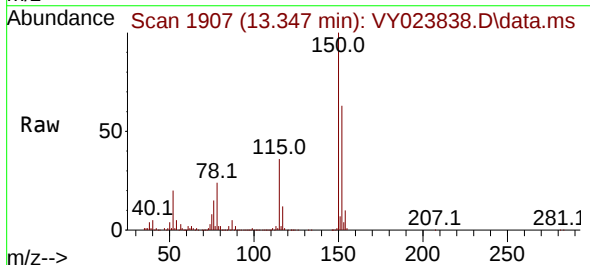
Instrument :
MSVOA_Y
ClientSampleId :
B50-SP14-112025

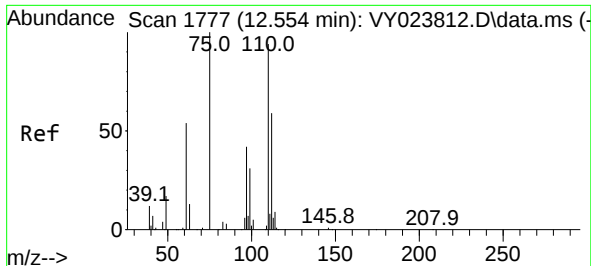
Tgt Ion:117 Resp: 813032
Ion Ratio Lower Upper
117 100
82 53.5 45.4 68.0
119 32.1 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023838.D
Acq: 01 Dec 2025 13:12

Tgt Ion:152 Resp: 286147
Ion Ratio Lower Upper
152 100
115 57.6 28.7 86.3
150 157.6 0.0 345.6

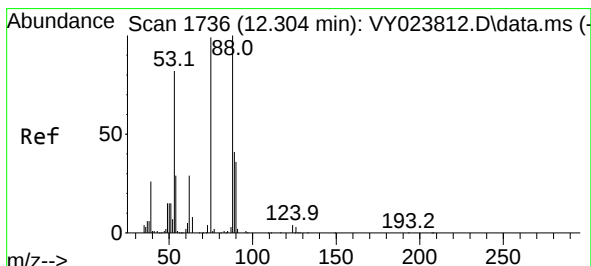
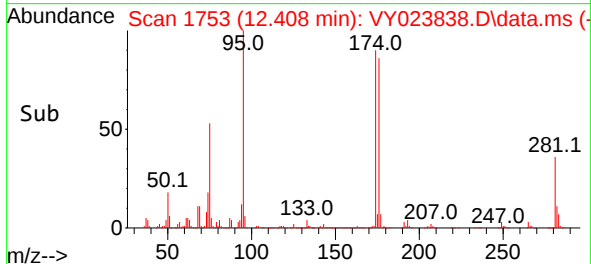
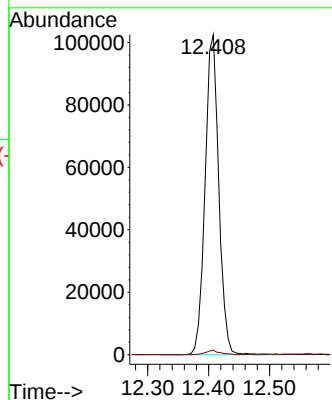
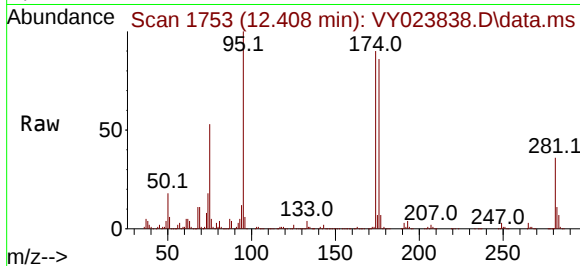




#76
1,2,3-Trichloropropane
Concen: 64.175 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023838.D
Acq: 01 Dec 2025 13:12

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP14-112025

Tgt Ion: 75 Resp: 159693
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 135.648 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY023838.D
Acq: 01 Dec 2025 13:12

Tgt Ion: 75 Resp: 159693
Ion Ratio Lower Upper
75 100
53 0.2 71.3 106.9#
89 0.2 37.0 55.4#

