

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
 Data File : VY023854.D
 Acq On : 02 Dec 2025 12:31
 Operator : SY/MD
 Sample : Q3735-01RE
 Misc : 7.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 03 01:02:28 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	7.719	168	630246	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	1100018	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	720635	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	180492	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	347773	56.662	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.320%
35) Dibromofluoromethane	7.640	113	361229	55.434	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.860%
50) Toluene-d8	10.109	98	1182278	45.678	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.360%
62) 4-Bromofluorobenzene	12.408	95	230244	27.035	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	54.080%

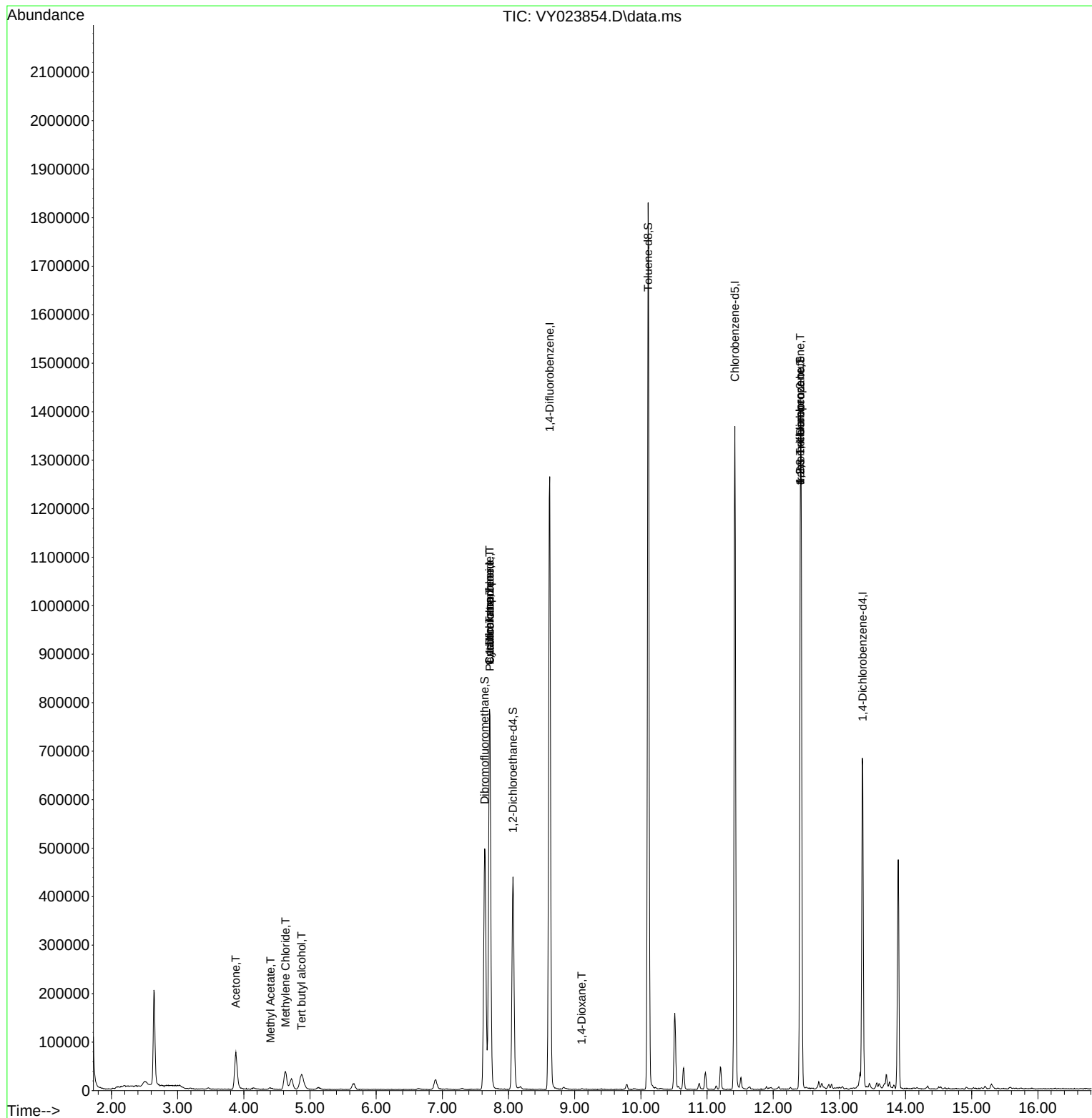
Target Compounds						Qvalue
11) Tert butyl alcohol	4.872	59	62000	122.996	ug/l #	88
16) Acetone	3.879	43	137185	77.578	ug/l	96
18) Methyl Acetate	4.403	43	7823	2.291	ug/l #	70
20) Methylene Chloride	4.628	84	28326	3.789	ug/l	94
31) Cyclohexane	7.713	56	12820	1.086	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	47428	4.747	ug/l #	50
38) Carbon Tetrachloride	7.713	117	60329	5.501	ug/l #	16
49) 1,4-Dioxane	9.103	88	78	1.769	ug/l #	25
76) 1,2,3-Trichloropropane	12.408	75	126210	80.410	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	126210	169.962	ug/l #	15

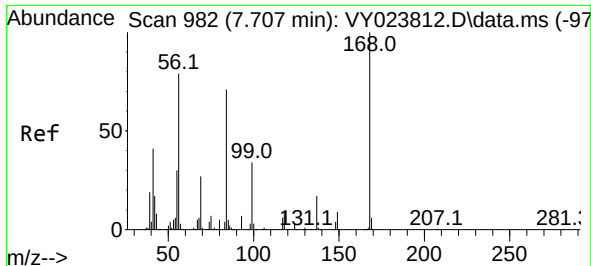
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
Data File : VY023854.D
Acq On : 02 Dec 2025 12:31
Operator : SY/MD
Sample : Q3735-01RE
Misc : 7.10g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Dec 03 01:02:28 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

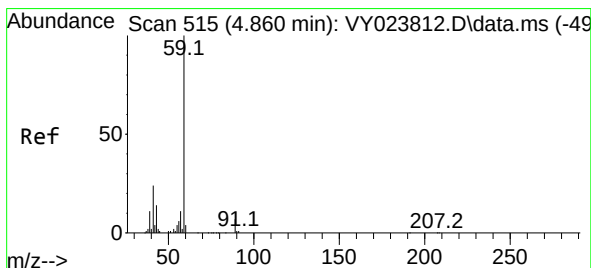
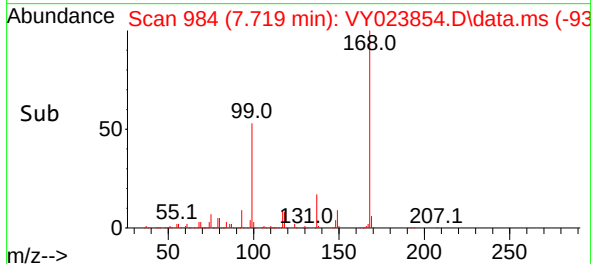
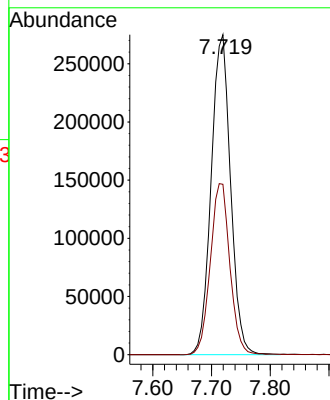
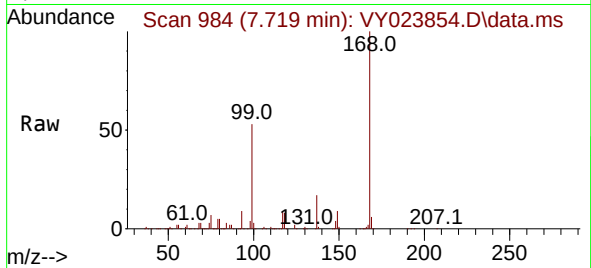




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023854.D
Acq: 02 Dec 2025 12:31

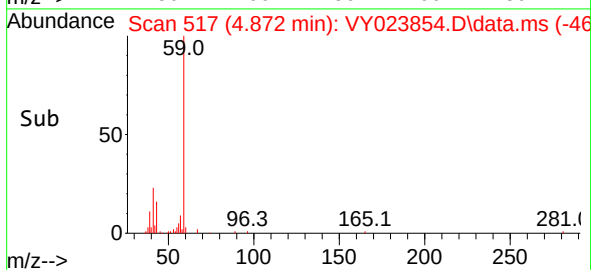
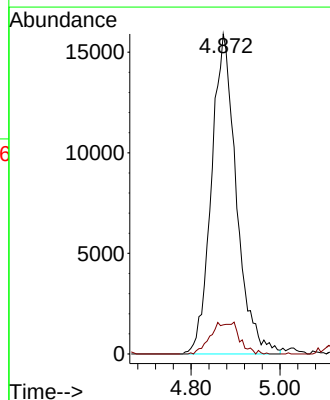
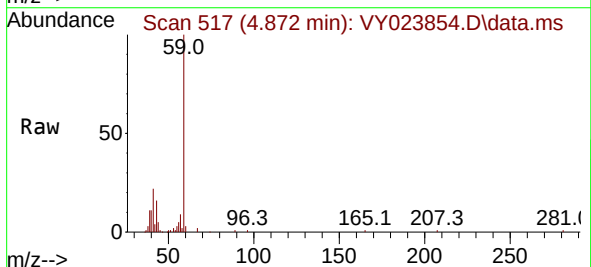
Instrument :
MSVOA_Y
ClientSampleId :

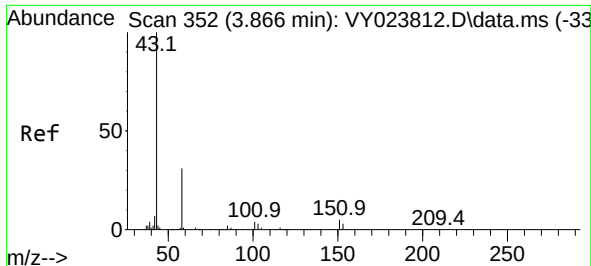
Tgt Ion:168 Resp: 630246
Ion Ratio Lower Upper
168 100
99 53.2 44.0 66.0



#11
Tert butyl alcohol
Concen: 122.996 ug/l
RT: 4.872 min Scan# 517
Delta R.T. 0.012 min
Lab File: VY023854.D
Acq: 02 Dec 2025 12:31

Tgt Ion: 59 Resp: 62000
Ion Ratio Lower Upper
59 100
57 5.5 8.0 12.0#

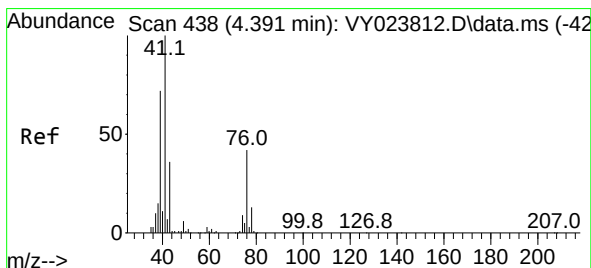
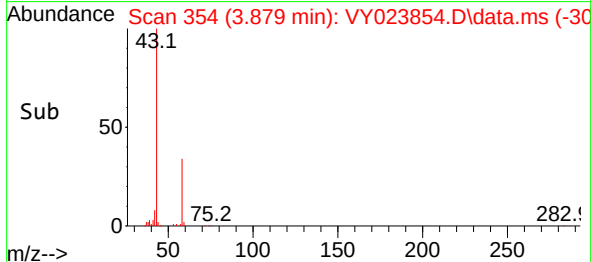
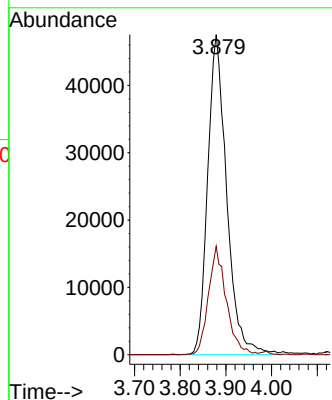
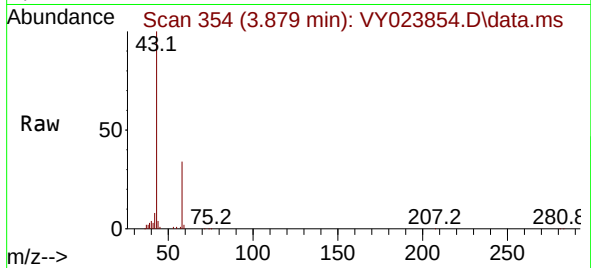




#16
Acetone
Concen: 77.578 ug/l
RT: 3.879 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY023854.D
Acq: 02 Dec 2025 12:31

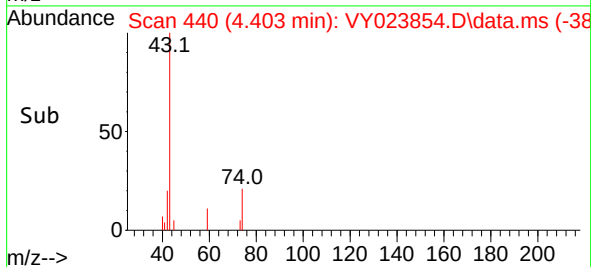
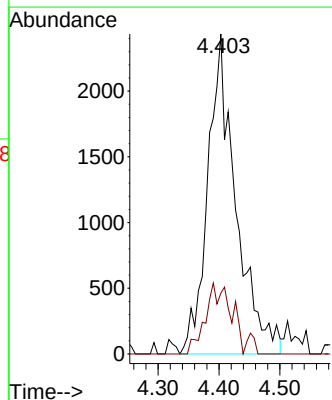
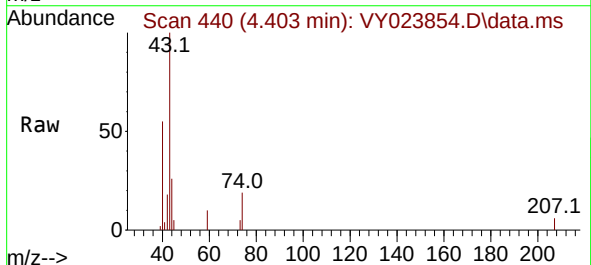
Instrument :
MSVOA_Y
ClientSampleId :

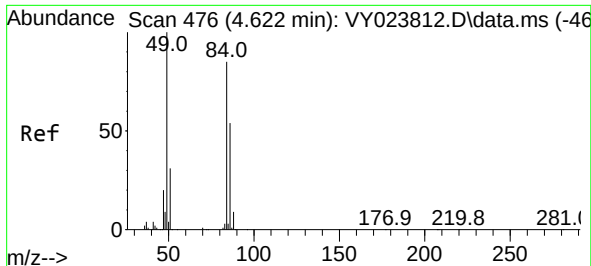
Tgt Ion: 43 Resp: 137185
Ion Ratio Lower Upper
43 100
58 33.9 25.4 38.2



#18
Methyl Acetate
Concen: 2.291 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.012 min
Lab File: VY023854.D
Acq: 02 Dec 2025 12:31

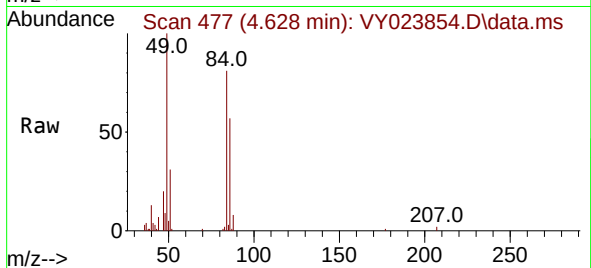
Tgt Ion: 43 Resp: 7823
Ion Ratio Lower Upper
43 100
74 10.0 19.8 29.8#



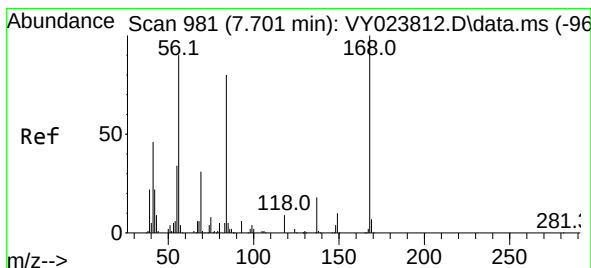
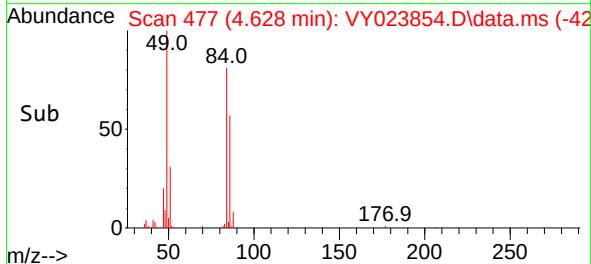
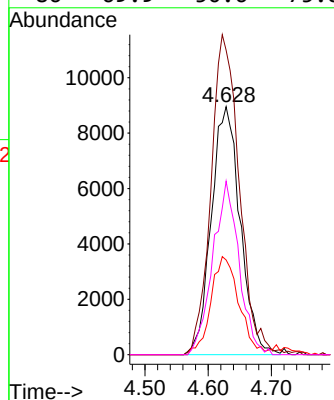


#20
Methylene Chloride
Concen: 3.789 ug/l
RT: 4.628 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023854.D
Acq: 02 Dec 2025 12:31

Instrument :
MSVOA_Y
ClientSampleId :

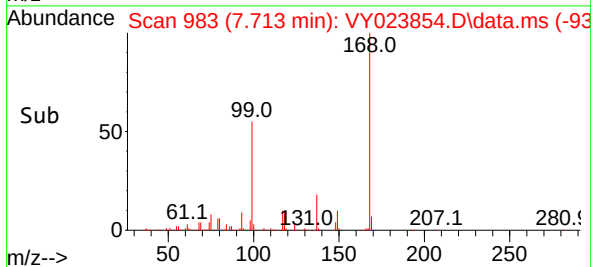
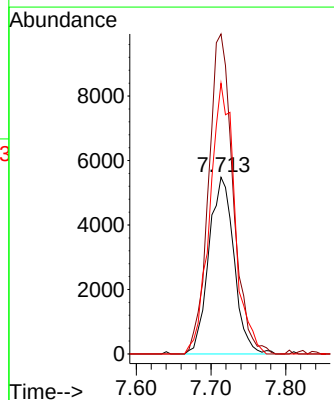
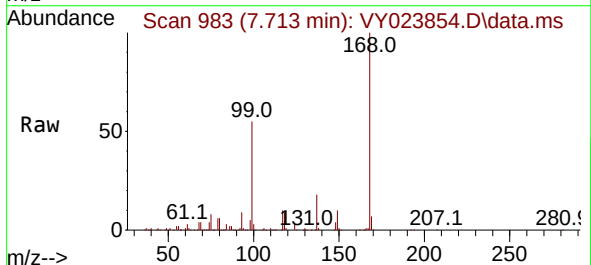


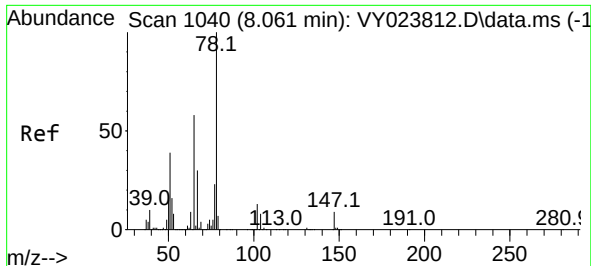
Tgt Ion:	84	Resp:	28326
Ion	Ratio	Lower	Upper
84	100		
49	122.8	94.0	141.0
51	38.2	29.2	43.8
86	69.9	50.6	75.8



#31
Cyclohexane
Concen: 1.086 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY023854.D
Acq: 02 Dec 2025 12:31

Tgt Ion:	56	Resp:	12820
Ion	Ratio	Lower	Upper
56	100		
69	181.1	27.8	41.6#
84	153.2	71.8	107.8#

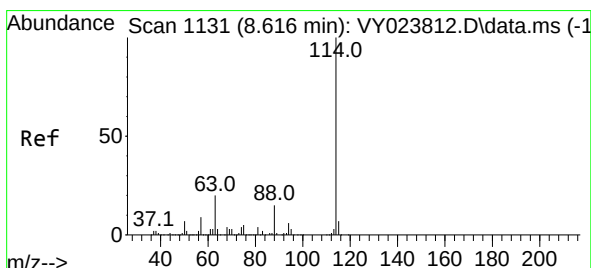
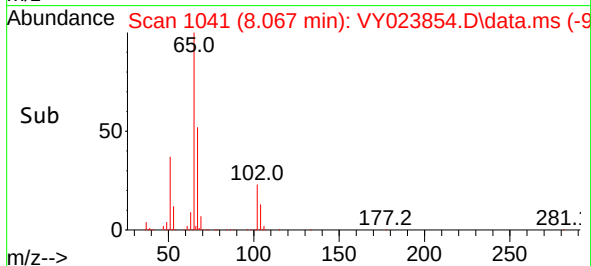
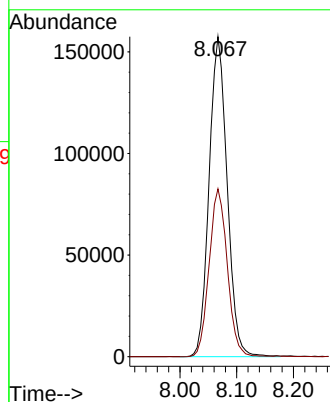
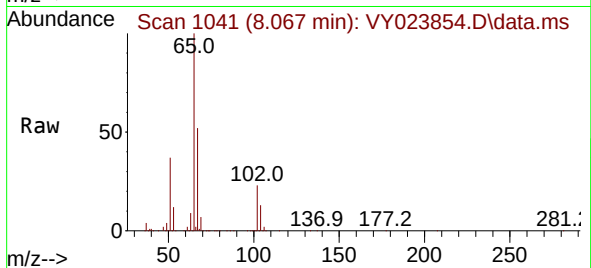




#33
 1,2-Dichloroethane-d4
 Concen: 56.662 ug/l
 RT: 8.067 min Scan# 1041
 Delta R.T. 0.006 min
 Lab File: VY023854.D
 Acq: 02 Dec 2025 12:31

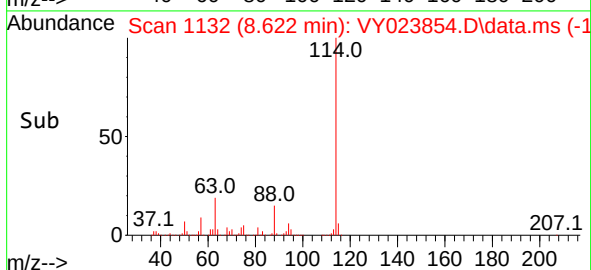
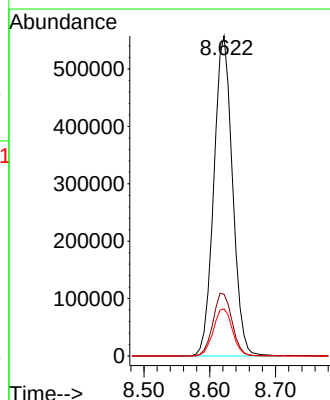
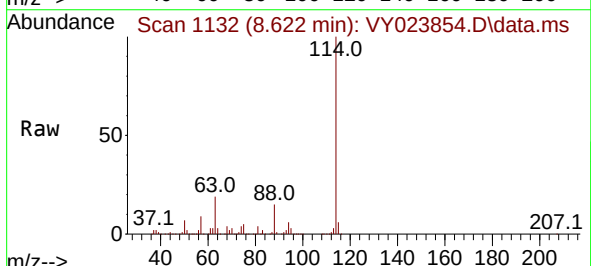
Instrument :
 MSVOA_Y
 ClientSampleId :

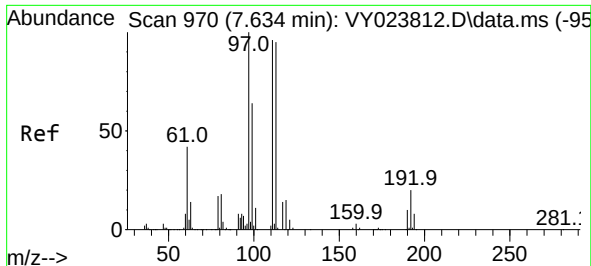
Tgt Ion: 65 Resp: 347773
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.622 min Scan# 1132
 Delta R.T. 0.006 min
 Lab File: VY023854.D
 Acq: 02 Dec 2025 12:31

Tgt Ion: 114 Resp: 1100018
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.4
 88 14.7 0.0 30.8





#35

Dibromofluoromethane

Concen: 55.434 ug/l

RT: 7.640 min Scan# 91

Delta R.T. 0.006 min

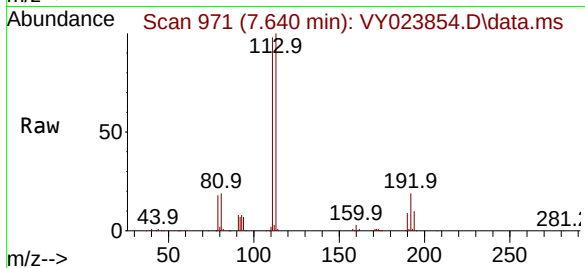
Lab File: VY023854.D

Acq: 02 Dec 2025 12:31

Instrument :

MSVOA_Y

ClientSampleId :



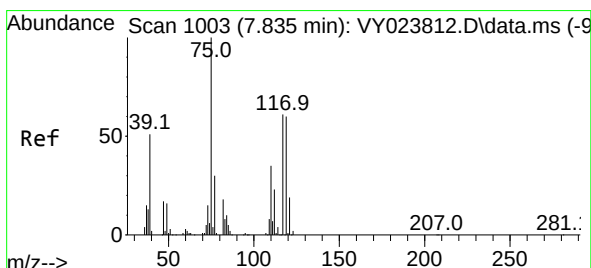
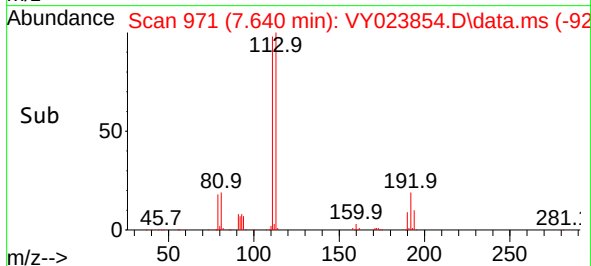
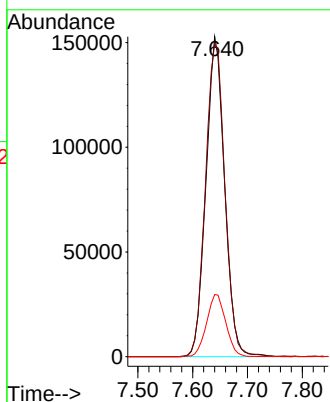
Tgt Ion:113 Resp: 361229

Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.0

192 20.0 15.8 23.8



#36

1,1-Dichloropropene

Concen: 4.747 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY023854.D

Acq: 02 Dec 2025 12:31

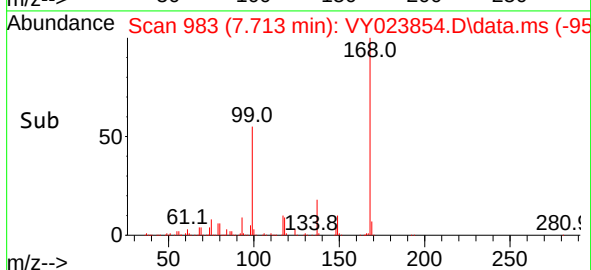
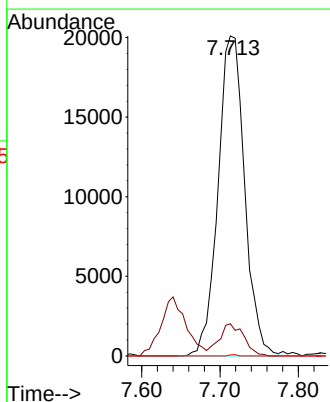
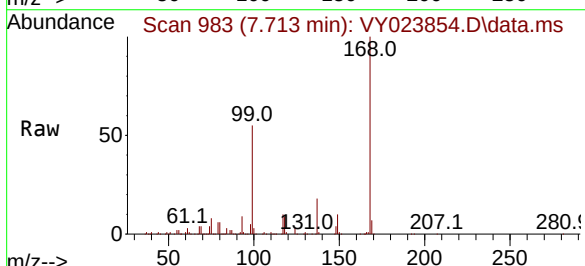
Tgt Ion: 75 Resp: 47428

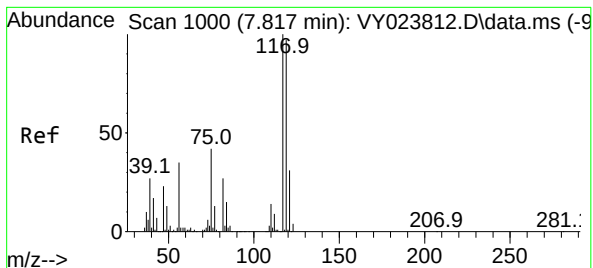
Ion Ratio Lower Upper

75 100

110 9.3 17.6 52.8#

77 0.1 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 5.501 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.104 min

Lab File: VY023854.D

Acq: 02 Dec 2025 12:31

Instrument :

MSVOA_Y

ClientSampleId :

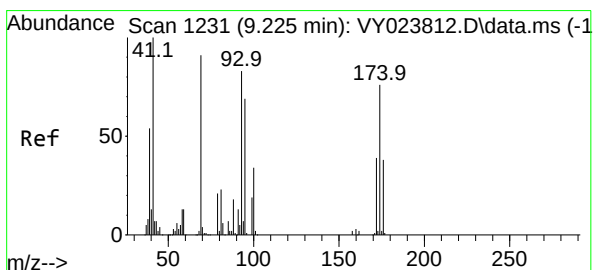
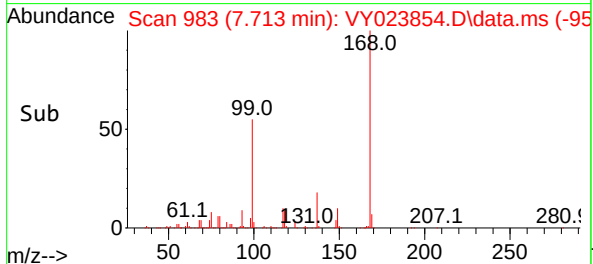
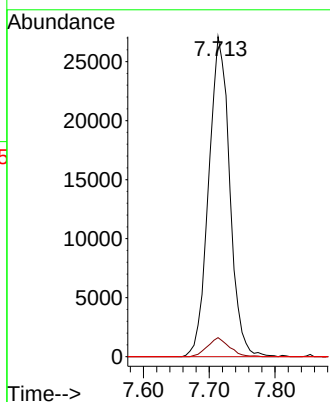
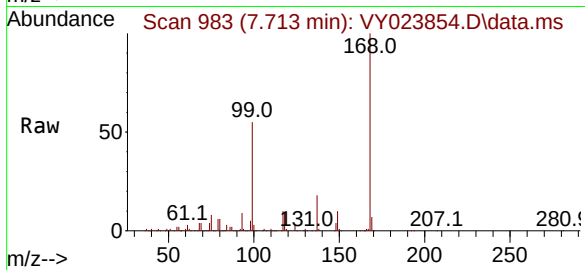
Tgt Ion:117 Resp: 60329

Ion Ratio Lower Upper

117 100

119 5.9 77.3 115.9#

121 0.0 25.0 37.6#



#49

1,4-Dioxane

Concen: 1.769 ug/l

RT: 9.103 min Scan# 1211

Delta R.T. -0.122 min

Lab File: VY023854.D

Acq: 02 Dec 2025 12:31

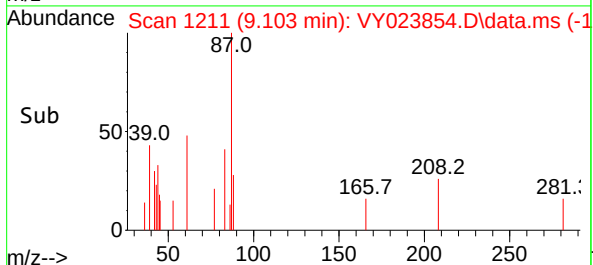
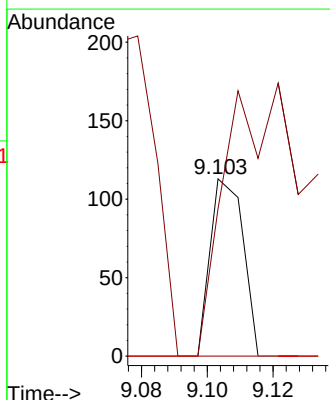
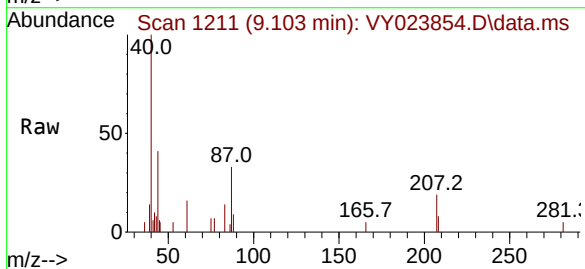
Tgt Ion: 88 Resp: 78

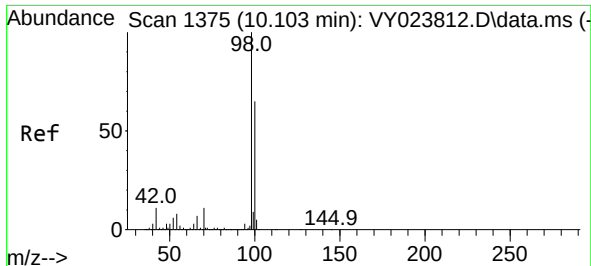
Ion Ratio Lower Upper

88 100

43 0.0 24.6 37.0#

58 0.0 53.4 80.2#

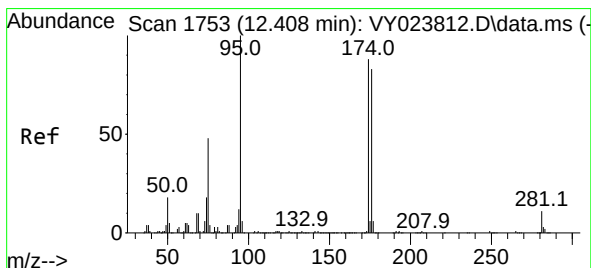
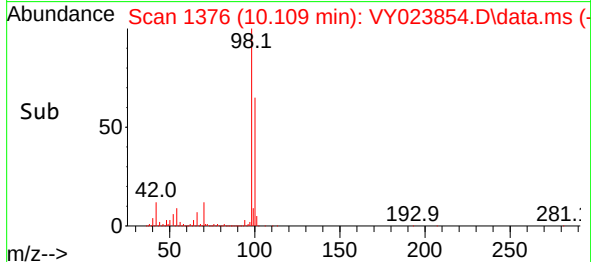
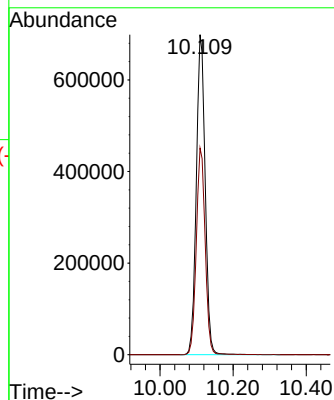
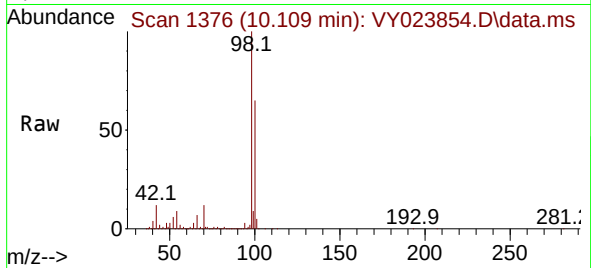




#50
Toluene-d8
Concen: 45.678 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023854.D
Acq: 02 Dec 2025 12:31

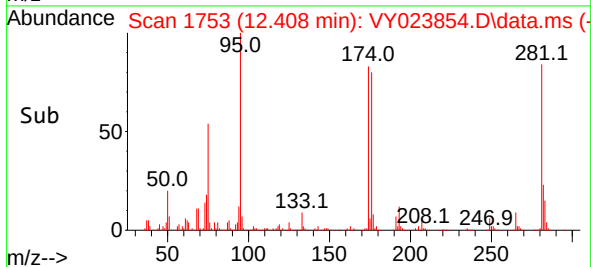
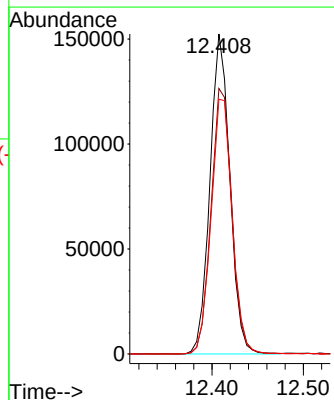
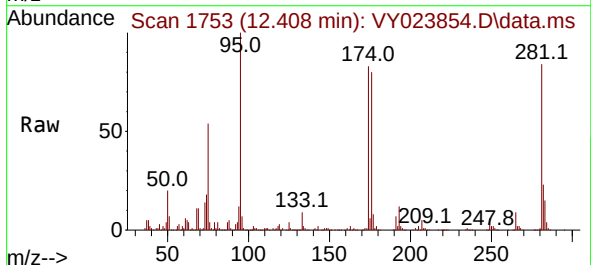
Instrument :
MSVOA_Y
ClientSampleId :

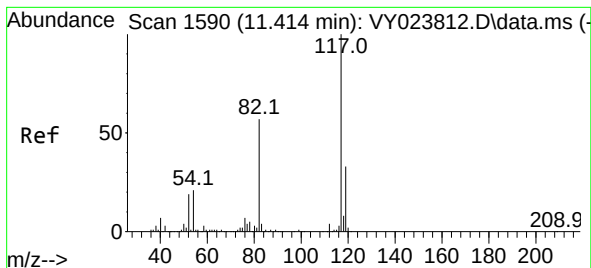
Tgt Ion: 98 Resp: 1182278
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 27.035 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY023854.D
Acq: 02 Dec 2025 12:31

Tgt Ion: 95 Resp: 230244
Ion Ratio Lower Upper
95 100
174 86.8 0.0 168.6
176 84.9 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: VY023854.D

Acq: 02 Dec 2025 12:31

Instrument :

MSVOA_Y

ClientSampleId :

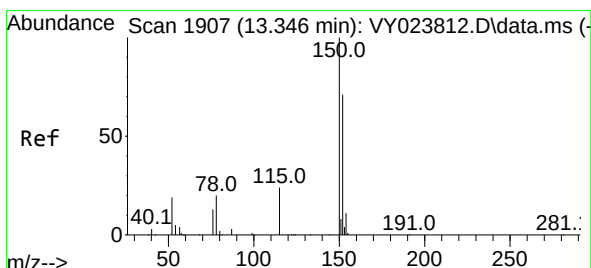
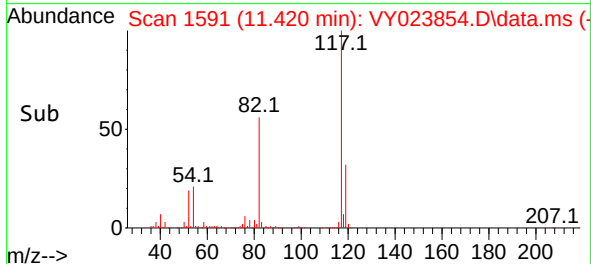
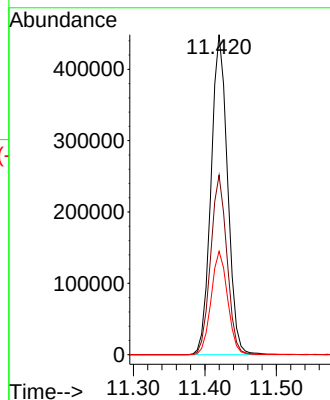
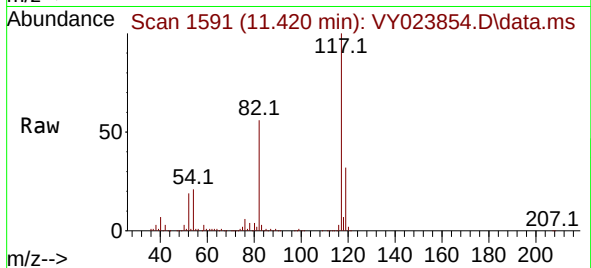
Tgt Ion:117 Resp: 720635

Ion Ratio Lower Upper

117 100

82 56.1 45.4 68.0

119 32.3 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY023854.D

Acq: 02 Dec 2025 12:31

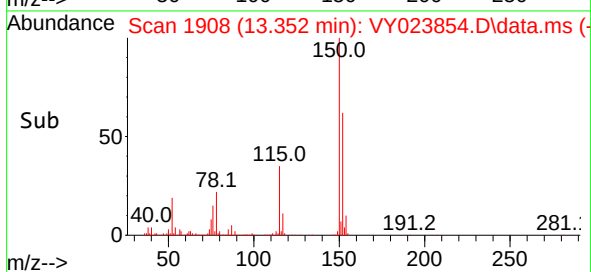
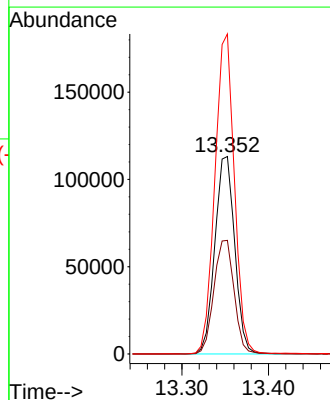
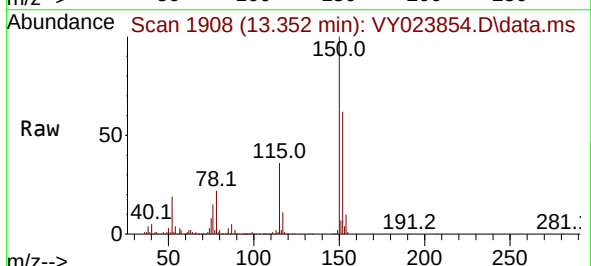
Tgt Ion:152 Resp: 180492

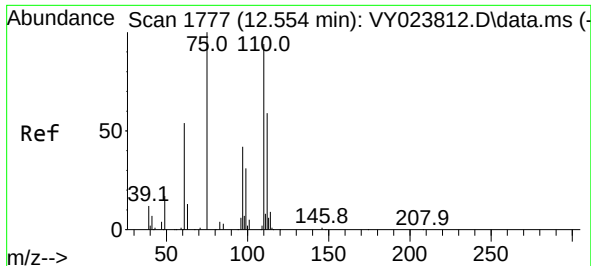
Ion Ratio Lower Upper

152 100

115 58.6 28.7 86.3

150 158.7 0.0 345.6

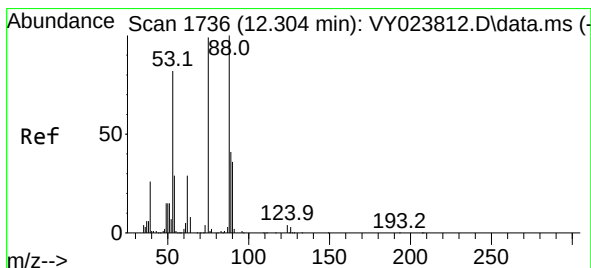
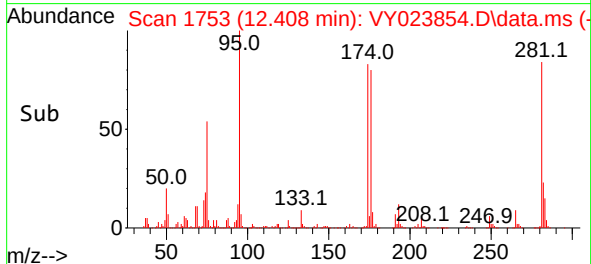
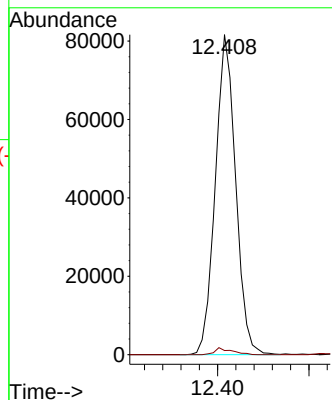
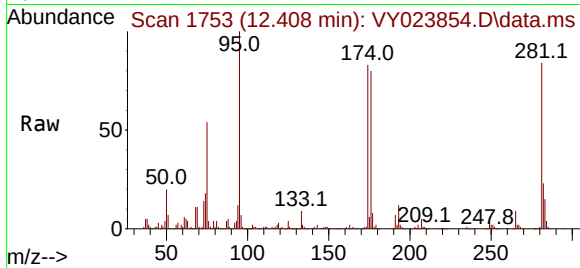




#76
1,2,3-Trichloropropane
Concen: 80.410 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023854.D
Acq: 02 Dec 2025 12:31

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 126210
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 169.962 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY023854.D
Acq: 02 Dec 2025 12:31

Tgt Ion: 75 Resp: 126210
Ion Ratio Lower Upper
75 100
53 0.0 71.3 106.9#
89 1.9 37.0 55.4#

