

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
 Data File : VY023899.D
 Acq On : 09 Dec 2025 11:20
 Operator : SY/MD
 Sample : VY1209SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1209SBL01

Quant Time: Dec 10 02:23:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 03:49:13 2025
 Response via : Initial Calibration

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

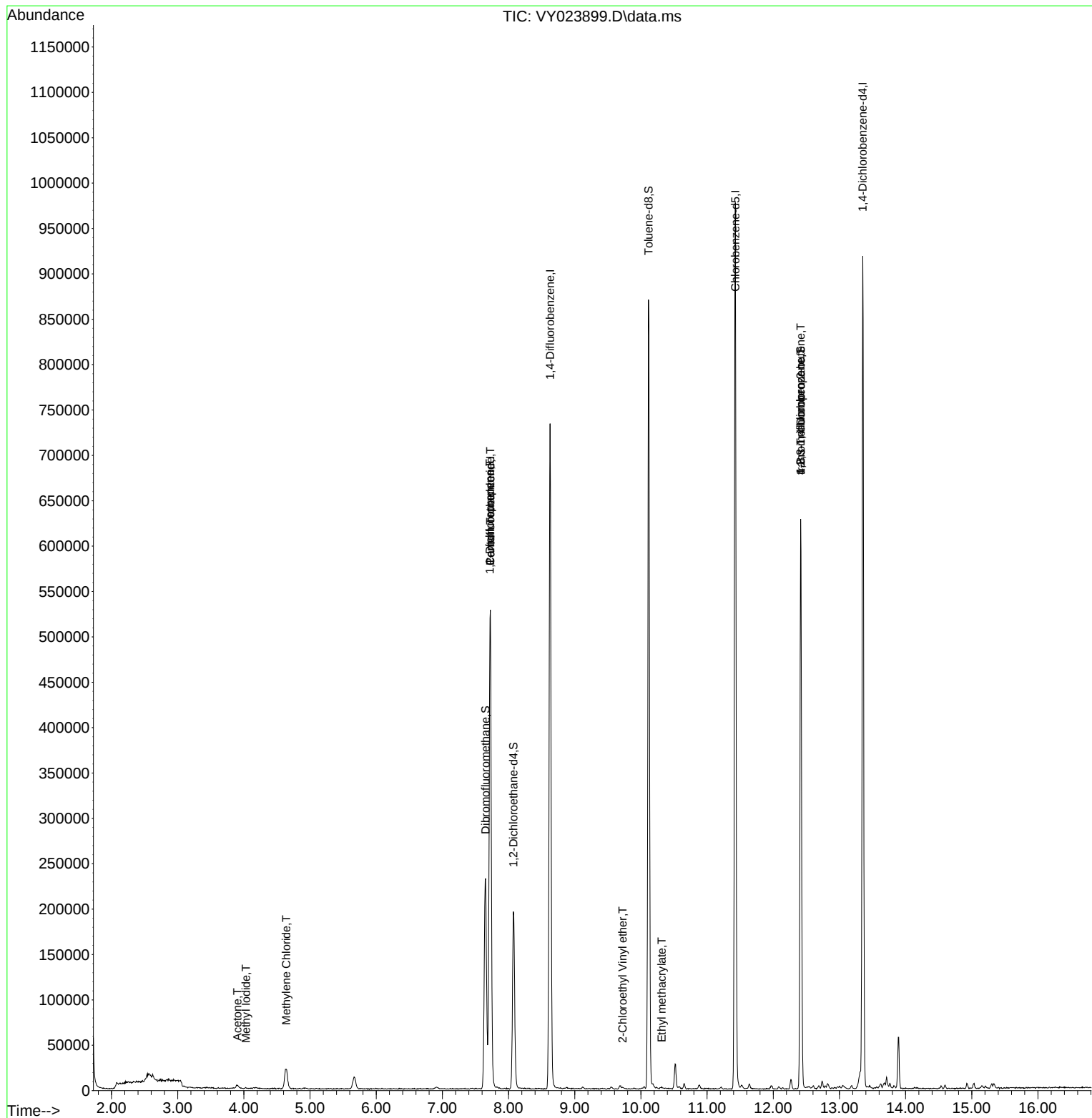
Internal Standards						
1) Pentafluorobenzene	7.725	168	449421	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.627	114	663567	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.426	117	545262	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	253234	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	158760	35.313	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	70.620%
35) Dibromofluoromethane	7.652	113	171847	40.378	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	80.760%
50) Toluene-d8	10.115	98	588272	35.520	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	71.040%
62) 4-Bromofluorobenzene	12.413	95	172660	30.566	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	61.140%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.031	142	1128	2.649	ug/l #	76
11) Tert butyl alcohol	4.872	59	38	Below Cal	#	74
16) Acetone	3.903	43	7345	5.452	ug/l	90
20) Methylene Chloride	4.640	84	17710	1.851	ug/l	89
36) 1,1-Dichloropropene	7.719	75	29231	4.658	ug/l #	50
38) Carbon Tetrachloride	7.725	117	40556	5.855	ug/l #	18
56) Ethyl methacrylate	10.316	69	26	4.156	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.725	63	629	15.002	ug/l #	63
76) 1,2,3-Trichloropropane	12.413	75	87164	34.720	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.413	75	87164	83.157	ug/l #	14

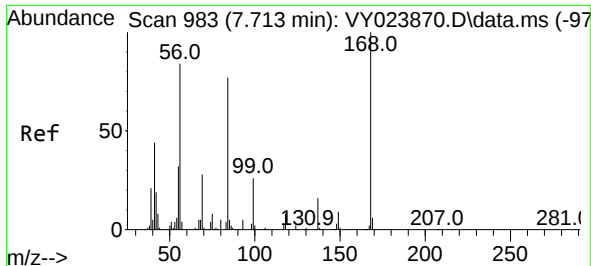
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
Data File : VY023899.D
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Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
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Quant Time: Dec 10 02:23:06 2025
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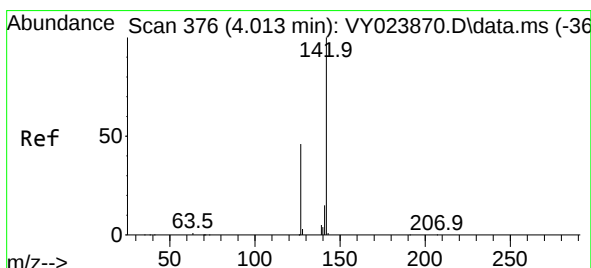
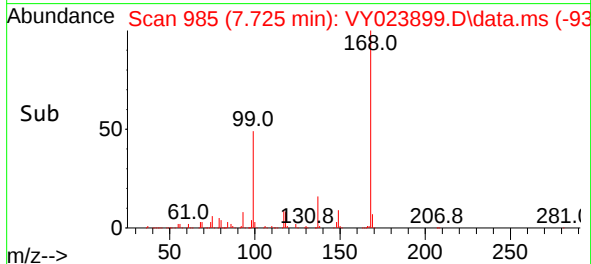
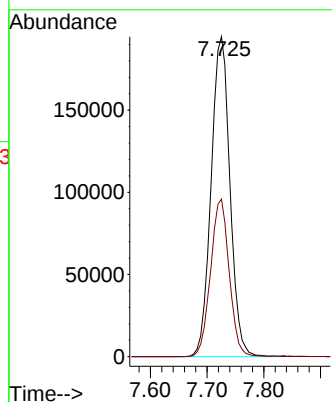
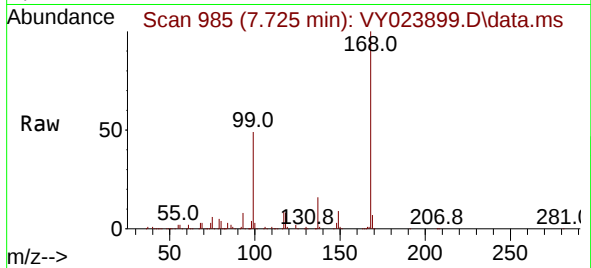




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.725 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023899.D
Acq: 09 Dec 2025 11:20

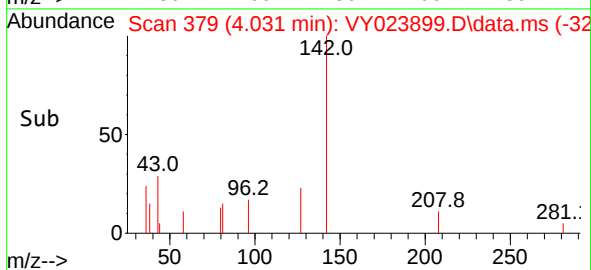
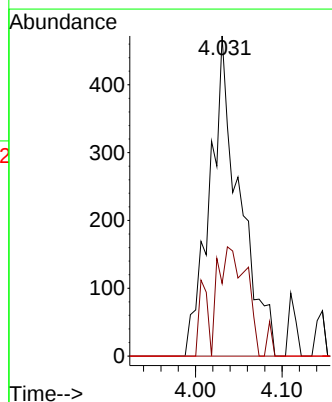
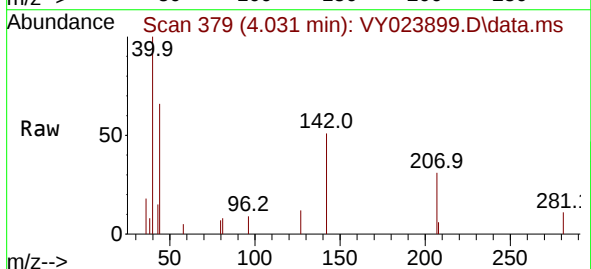
Instrument :
MSVOA_Y
ClientSampleId :
VY1209SBL01

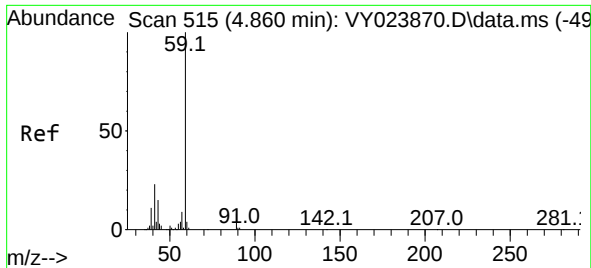
Tgt Ion:168 Resp: 449421
Ion Ratio Lower Upper
168 100
99 49.2 42.5 63.7



#10
Methyl Iodide
Concen: 2.649 ug/l
RT: 4.031 min Scan# 379
Delta R.T. 0.018 min
Lab File: VY023899.D
Acq: 09 Dec 2025 11:20

Tgt Ion:142 Resp: 1128
Ion Ratio Lower Upper
142 100
127 32.3 36.1 54.1#
141 0.0 11.8 17.8#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.872 min Scan# 51

Delta R.T. 0.012 min

Lab File: VY023899.D

Acq: 09 Dec 2025 11:20

Instrument :

MSVOA_Y

ClientSampleId :

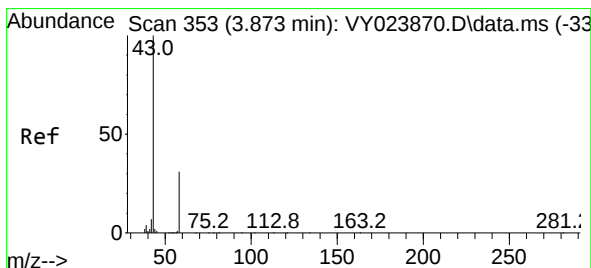
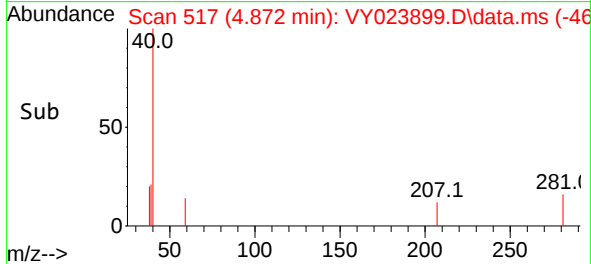
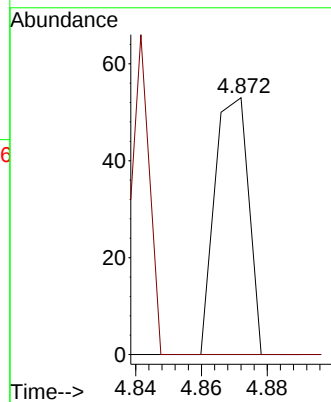
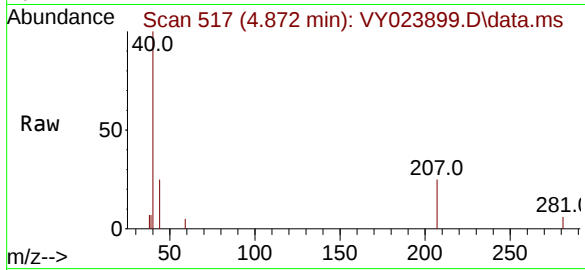
VY1209SBL01

Tgt Ion: 59 Resp: 38

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



#16

Acetone

Concen: 5.452 ug/l

RT: 3.903 min Scan# 358

Delta R.T. 0.030 min

Lab File: VY023899.D

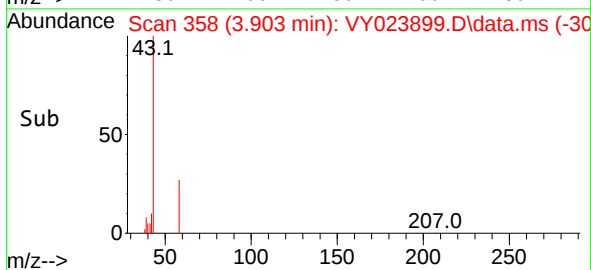
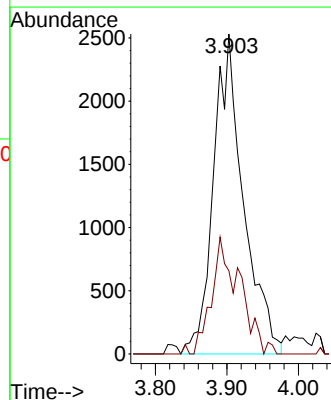
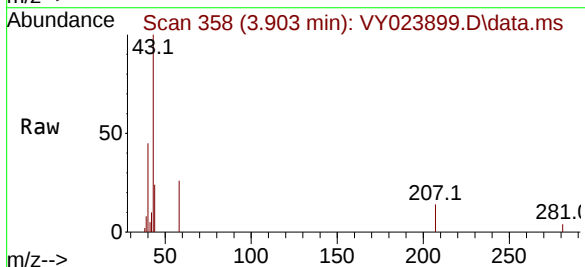
Acq: 09 Dec 2025 11:20

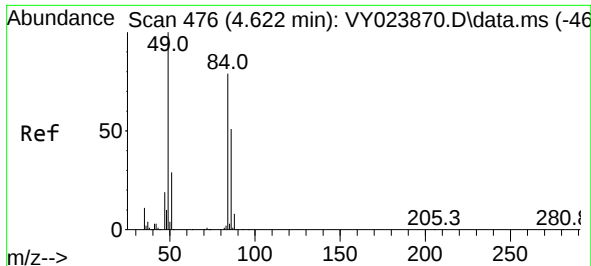
Tgt Ion: 43 Resp: 7345

Ion Ratio Lower Upper

43 100

58 26.0 25.1 37.7

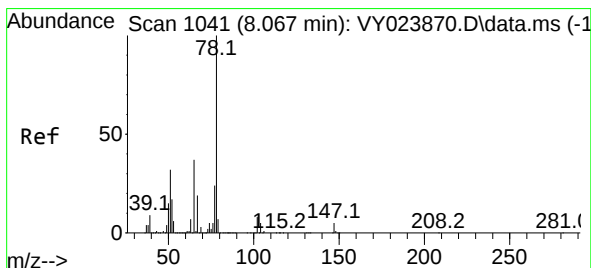
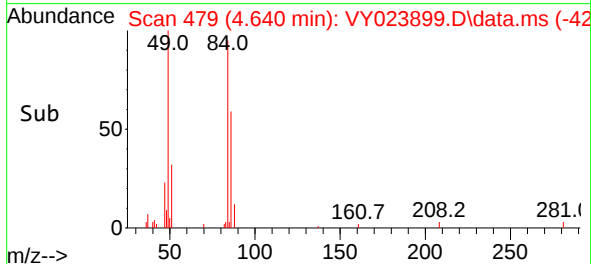
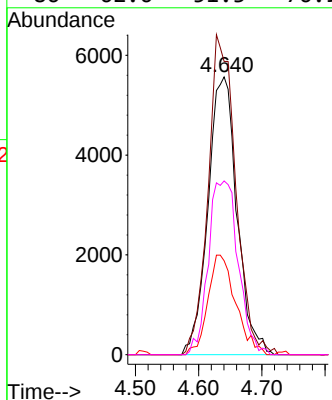
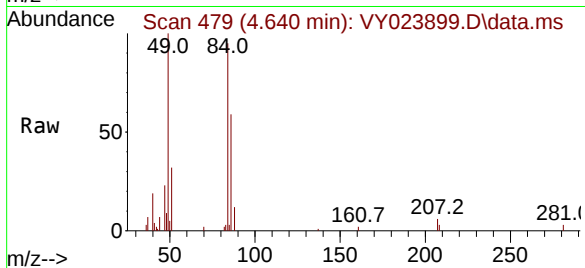




#20
Methylene Chloride
Concen: 1.851 ug/l
RT: 4.640 min Scan# 41
Delta R.T. 0.018 min
Lab File: VY023899.D
Acq: 09 Dec 2025 11:20

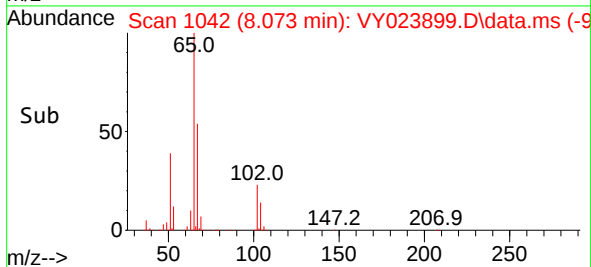
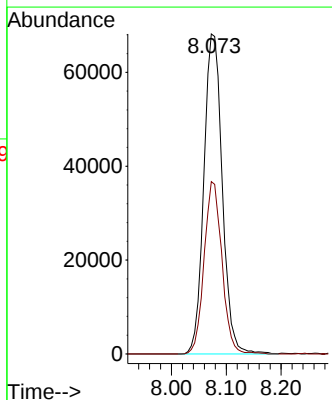
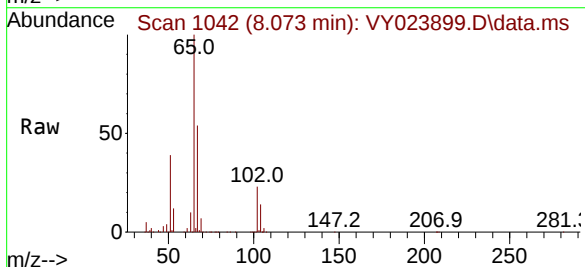
Instrument :
MSVOA_Y
ClientSampleId :
VY1209SBL01

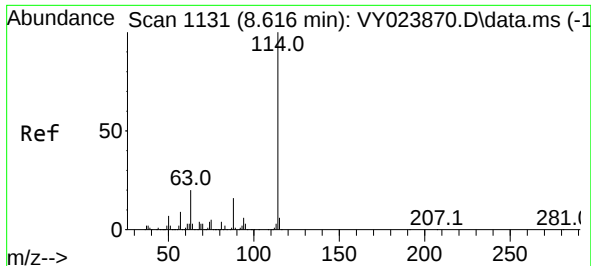
Tgt Ion:	84	Resp:	17710
Ion	Ratio	Lower	Upper
84	100		
49	105.6	100.6	151.0
51	33.8	29.0	43.6
86	62.6	51.3	76.9



#33
1,2-Dichloroethane-d4
Concen: 35.313 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY023899.D
Acq: 09 Dec 2025 11:20

Tgt Ion:	65	Resp:	158760
Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	107.2

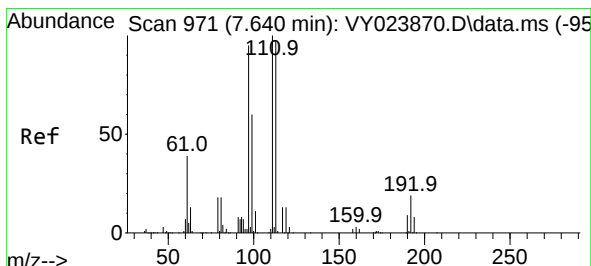
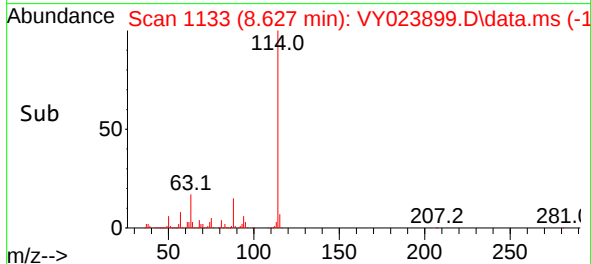
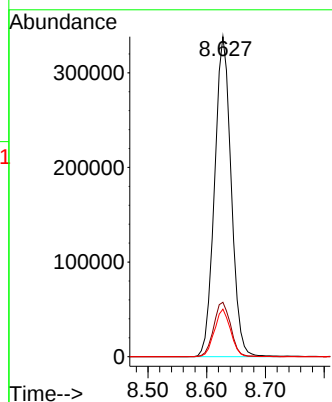
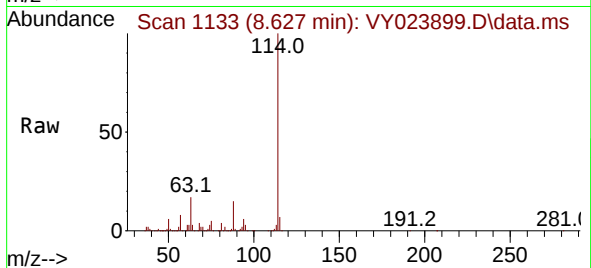




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.627 min Scan# 1133
Delta R.T. 0.012 min
Lab File: VY023899.D
Acq: 09 Dec 2025 11:20

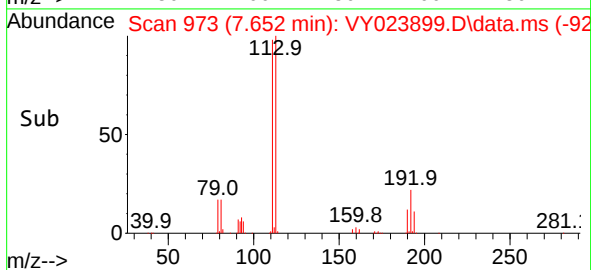
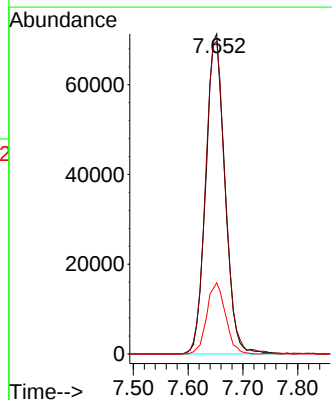
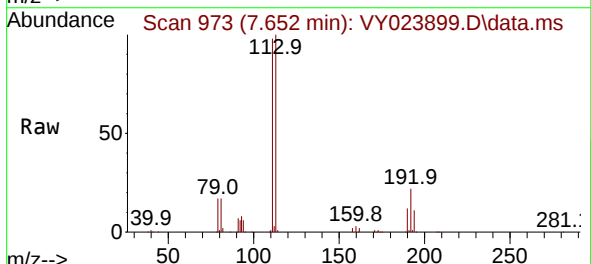
Instrument :
MSVOA_Y
ClientSampleId :
VY1209SBL01

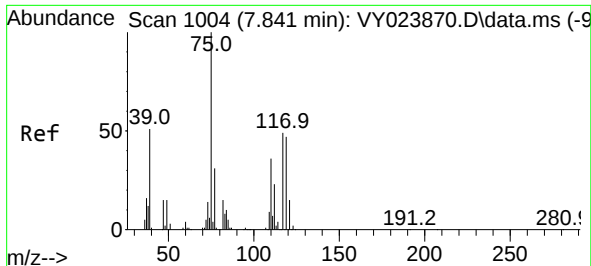
Tgt Ion:114 Resp: 663567
Ion Ratio Lower Upper
114 100
63 17.0 0.0 39.2
88 14.9 0.0 31.4



#35
Dibromofluoromethane
Concen: 40.378 ug/l
RT: 7.652 min Scan# 973
Delta R.T. 0.012 min
Lab File: VY023899.D
Acq: 09 Dec 2025 11:20

Tgt Ion:113 Resp: 171847
Ion Ratio Lower Upper
113 100
111 101.3 82.2 123.2
192 21.9 15.8 23.8





#36

1,1-Dichloropropene

Concen: 4.658 ug/l

RT: 7.719 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY023899.D

Acq: 09 Dec 2025 11:20

Instrument :

MSVOA_Y

ClientSampleId :

VY1209SBL01

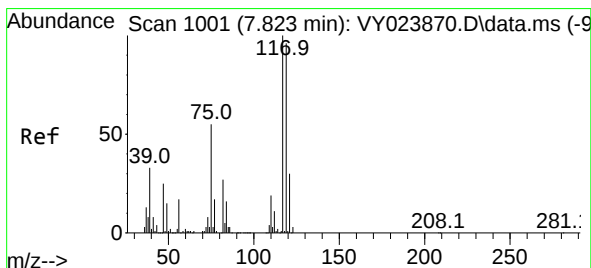
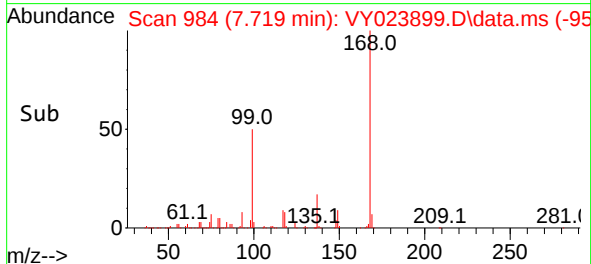
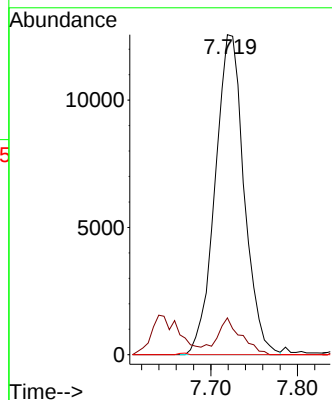
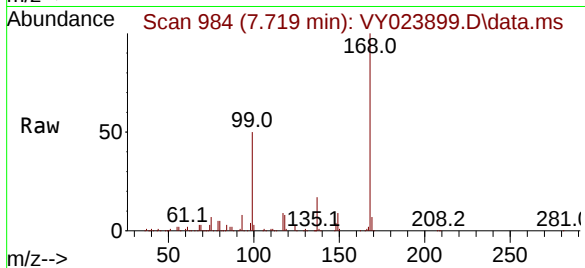
Tgt Ion: 75 Resp: 29231

Ion Ratio Lower Upper

75 100

110 9.5 17.6 52.9#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.855 ug/l

RT: 7.725 min Scan# 985

Delta R.T. -0.098 min

Lab File: VY023899.D

Acq: 09 Dec 2025 11:20

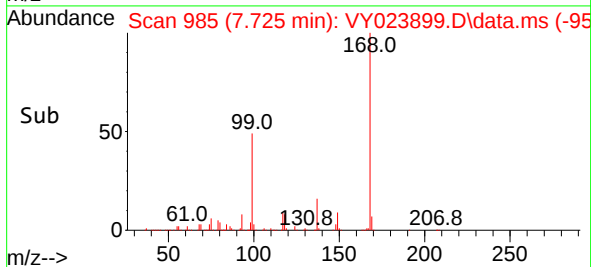
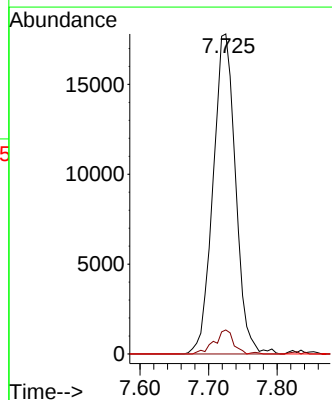
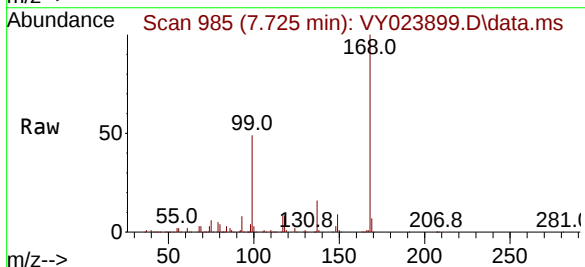
Tgt Ion: 117 Resp: 40556

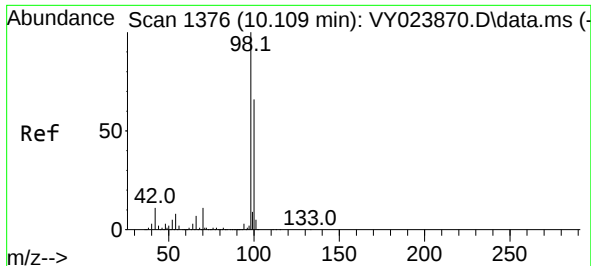
Ion Ratio Lower Upper

117 100

119 7.5 77.0 115.6#

121 0.0 23.9 35.9#

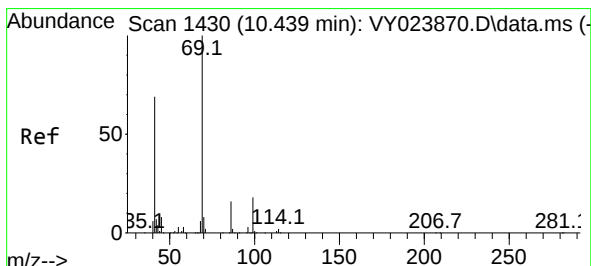
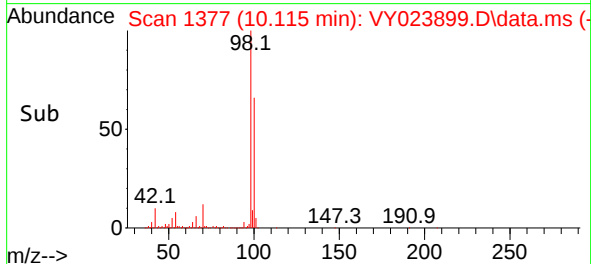
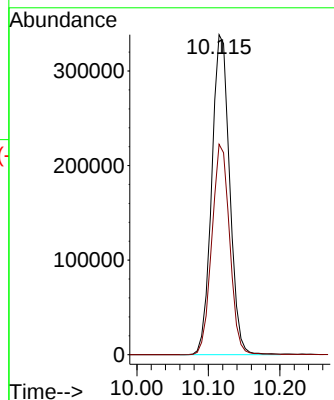
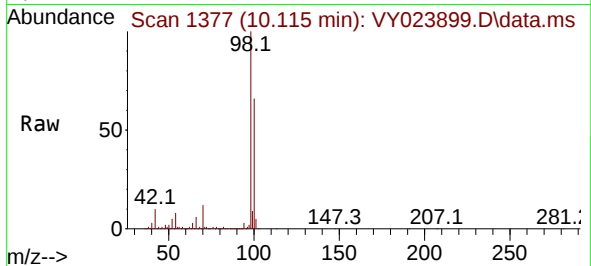




#50
Toluene-d8
Concen: 35.520 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023899.D
Acq: 09 Dec 2025 11:20

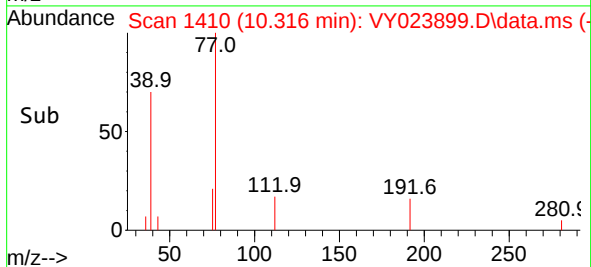
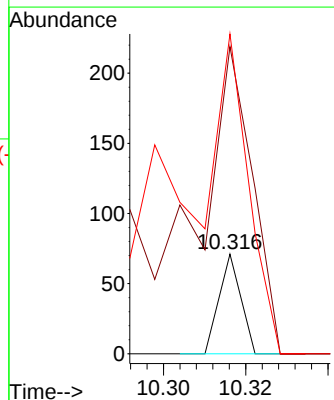
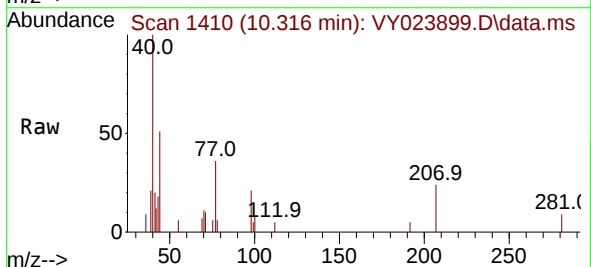
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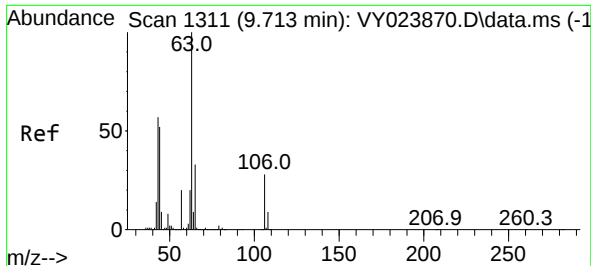
Tgt Ion: 98 Resp: 588272
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7



#56
Ethyl methacrylate
Concen: 4.156 ug/l
RT: 10.316 min Scan# 1410
Delta R.T. -0.122 min
Lab File: VY023899.D
Acq: 09 Dec 2025 11:20

Tgt Ion: 69 Resp: 26
Ion Ratio Lower Upper
69 100
41 950.0 52.5 78.7#
39 442.3 27.1 40.7#

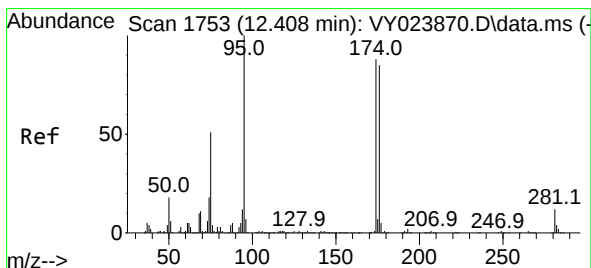
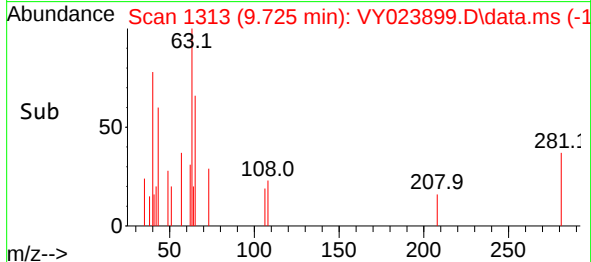
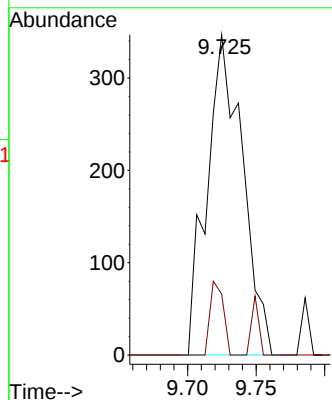
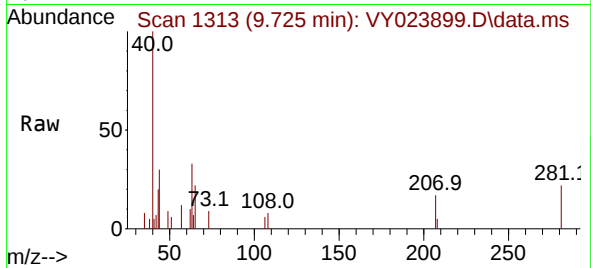




#58
2-Chloroethyl Vinyl ether
Concen: 15.002 ug/l
RT: 9.725 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY023899.D
Acq: 09 Dec 2025 11:20

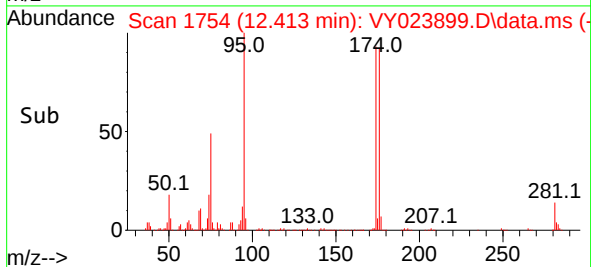
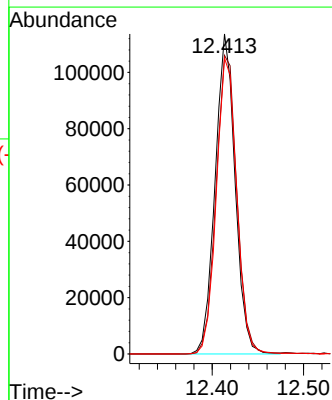
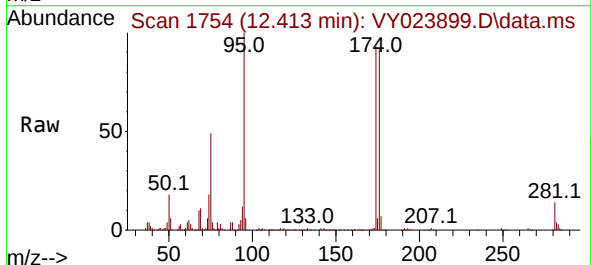
Instrument :
MSVOA_Y
ClientSampleId :
VY1209SBL01

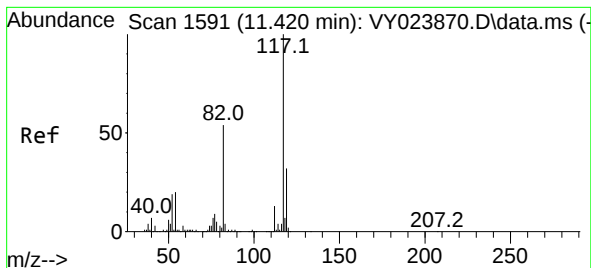
Tgt Ion: 63 Resp: 629
Ion Ratio Lower Upper
63 100
106 8.4 22.5 33.7#



#62
4-Bromofluorobenzene
Concen: 30.566 ug/l
RT: 12.413 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY023899.D
Acq: 09 Dec 2025 11:20

Tgt Ion: 95 Resp: 172660
Ion Ratio Lower Upper
95 100
174 97.3 0.0 169.6
176 94.2 0.0 164.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023899.D

Acq: 09 Dec 2025 11:20

Instrument :

MSVOA_Y

ClientSampleId :

VY1209SBL01

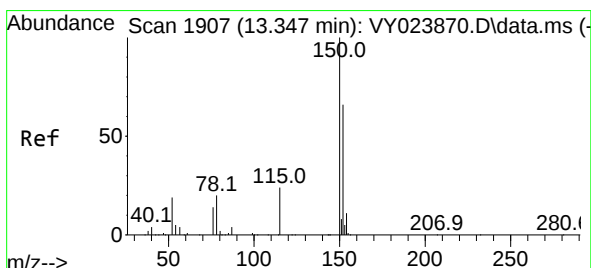
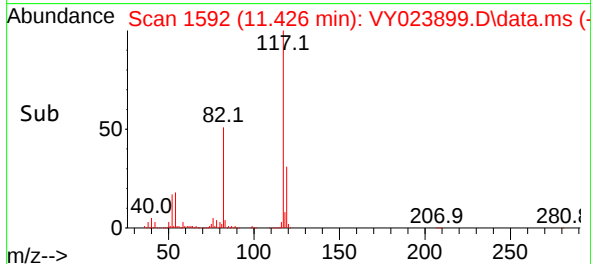
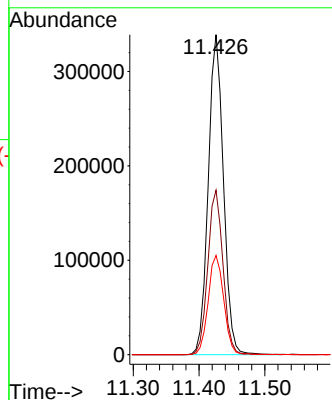
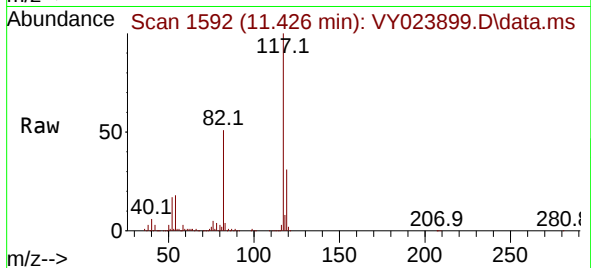
Tgt Ion:117 Resp: 545262

Ion Ratio Lower Upper

117 100

82 51.4 43.1 64.7

119 31.0 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: VY023899.D

Acq: 09 Dec 2025 11:20

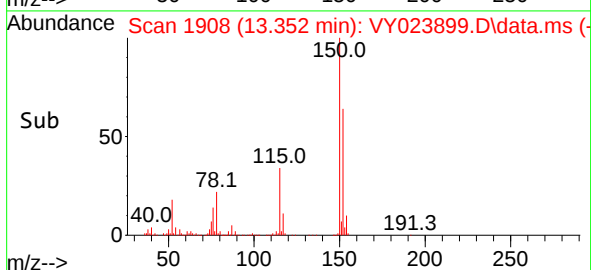
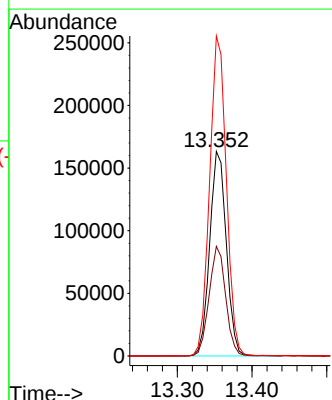
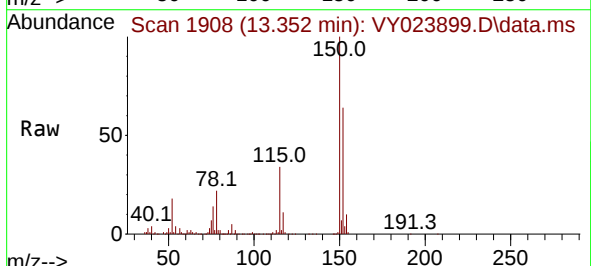
Tgt Ion:152 Resp: 253234

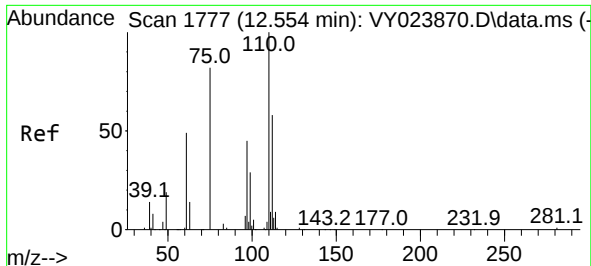
Ion Ratio Lower Upper

152 100

115 53.2 28.8 86.4

150 156.6 0.0 352.2

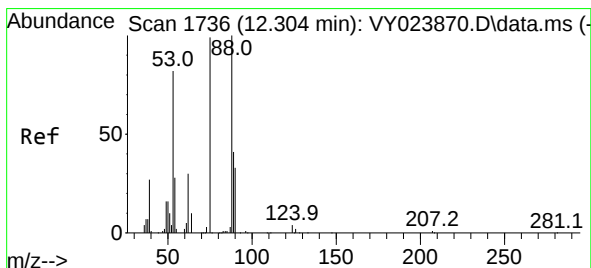
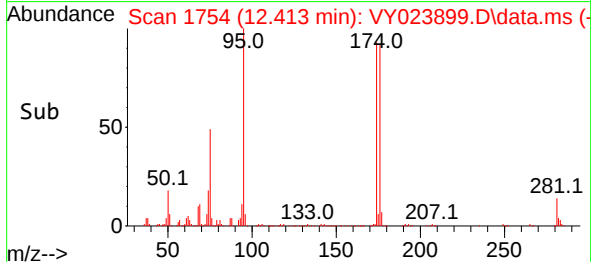
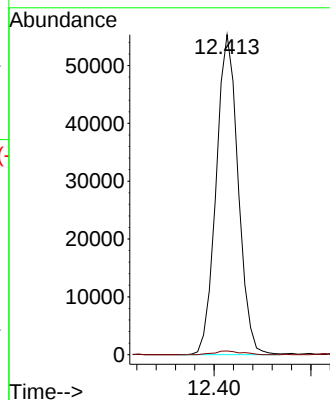
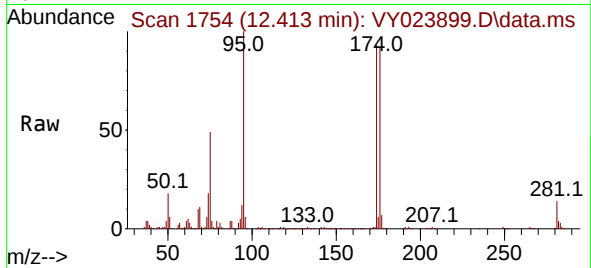




#76
1,2,3-Trichloropropane
Concen: 34.720 ug/l
RT: 12.413 min Scan# 1754
Delta R.T. -0.141 min
Lab File: VY023899.D
Acq: 09 Dec 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
VY1209SBL01

Tgt Ion: 75 Resp: 87164
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.157 ug/l
RT: 12.413 min Scan# 1754
Delta R.T. 0.109 min
Lab File: VY023899.D
Acq: 09 Dec 2025 11:20

Tgt Ion: 75 Resp: 87164
Ion Ratio Lower Upper
75 100
53 0.0 71.1 106.7#
89 0.2 36.3 54.5#

