

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
 Data File : VY023892.D
 Acq On : 04 Dec 2025 14:19
 Operator : SY/MD
 Sample : Q3753-04
 Misc : 6.90g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AR520-0002

Quant Time: Dec 05 01:47:09 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	7.713	168	729588	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1271072	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1038297	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	321246	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	395852	54.237	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	108.480%
35) Dibromofluoromethane	7.640	113	402641	49.390	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.780%
50) Toluene-d8	10.109	98	1451515	45.755	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.500%
62) 4-Bromofluorobenzene	12.408	95	396728	36.665	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	73.320%

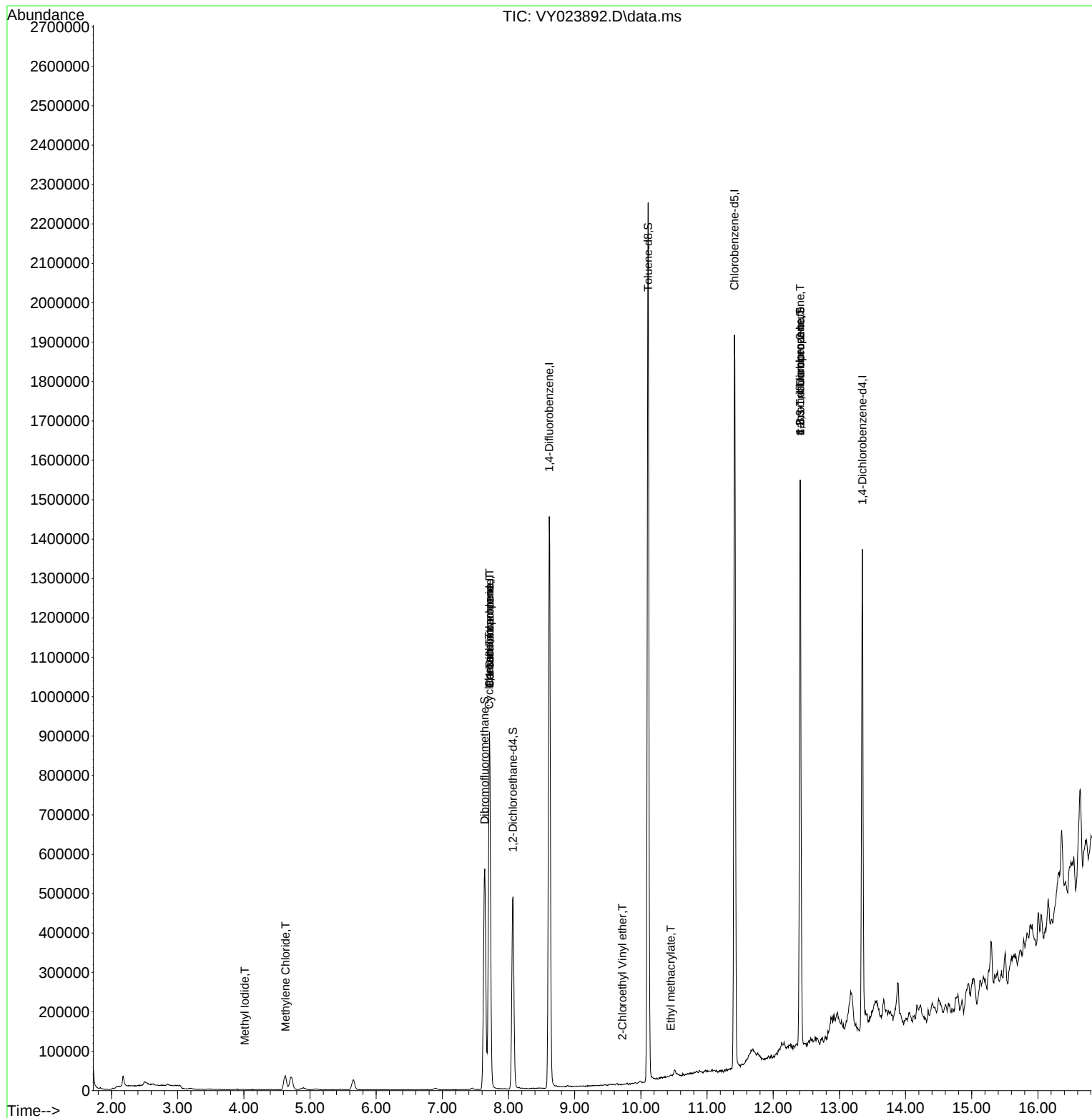
Target Compounds					Qvalue	
10) Methyl Iodide	4.013	142	333	2.478	ug/l #	86
11) Tert butyl alcohol	4.872	59	5432	Below Cal	#	87
20) Methylene Chloride	4.629	84	27036	1.625	ug/l	96
31) Cyclohexane	7.707	56	14133	1.034	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	51848	4.313	ug/l #	50
38) Carbon Tetrachloride	7.713	117	68560	5.168	ug/l #	16
56) Ethyl methacrylate	10.451	69	997	4.251	ug/l #	63
58) 2-Chloroethyl Vinyl ether	9.719	63	24	14.723	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	202575	63.608	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	202575	152.347	ug/l #	14

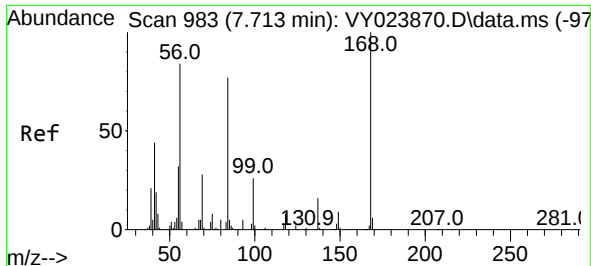
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
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Quant Time: Dec 05 01:47:09 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

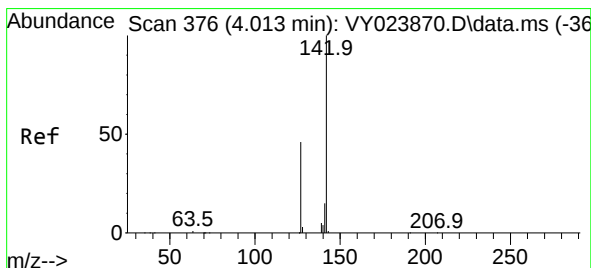
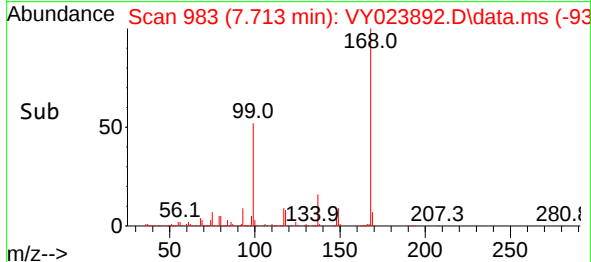
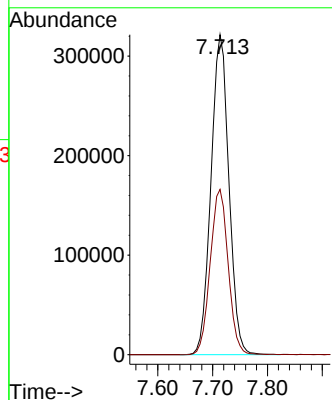
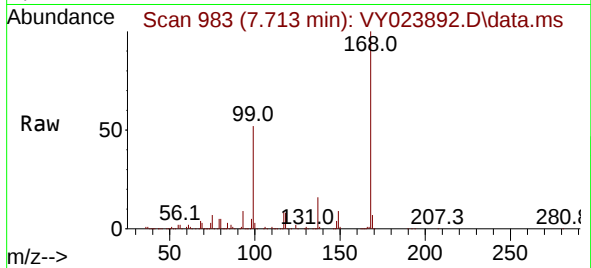




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023892.D
Acq: 04 Dec 2025 14:19

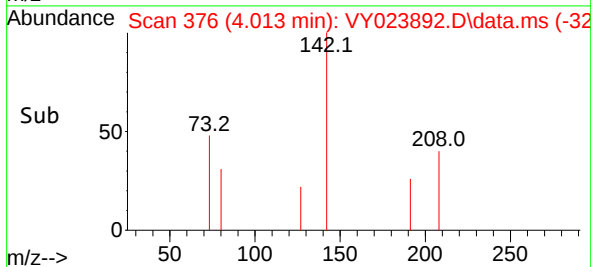
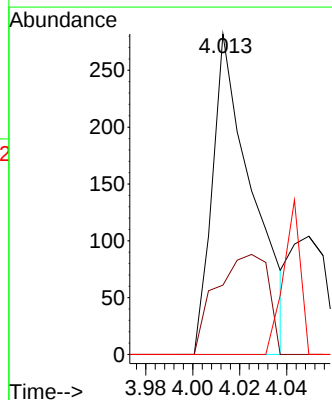
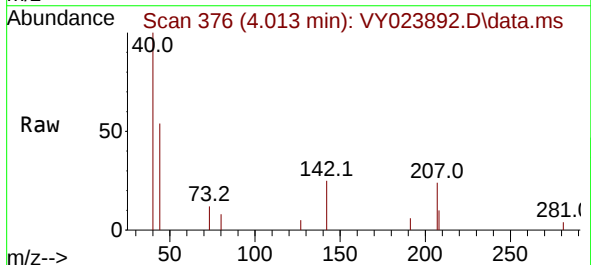
Instrument :
MSVOA_Y
ClientSampleId :
AR520-0002

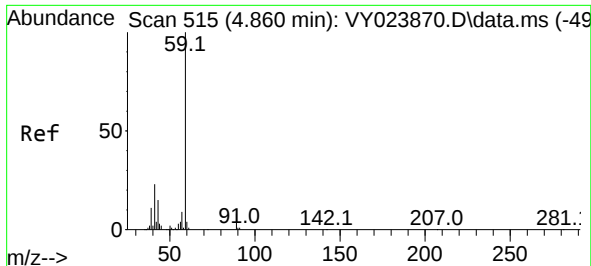
Tgt Ion:168 Resp: 729588
Ion Ratio Lower Upper
168 100
99 51.7 42.5 63.7



#10
Methyl Iodide
Concen: 2.478 ug/l
RT: 4.013 min Scan# 376
Delta R.T. -0.000 min
Lab File: VY023892.D
Acq: 04 Dec 2025 14:19

Tgt Ion:142 Resp: 333
Ion Ratio Lower Upper
142 100
127 40.5 36.1 54.1
141 0.0 11.8 17.8#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.872 min Scan# 515

Delta R.T. 0.012 min

Lab File: VY023892.D

Acq: 04 Dec 2025 14:19

Instrument :

MSVOA_Y

ClientSampleId :

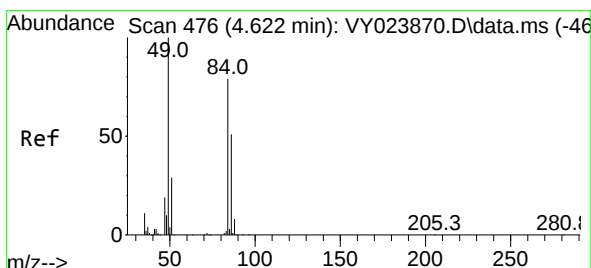
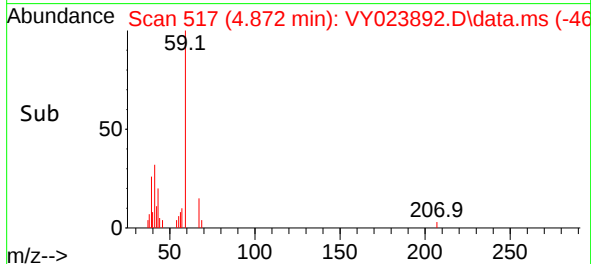
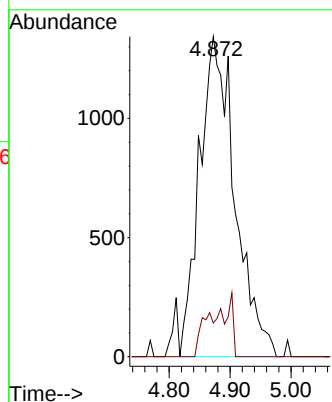
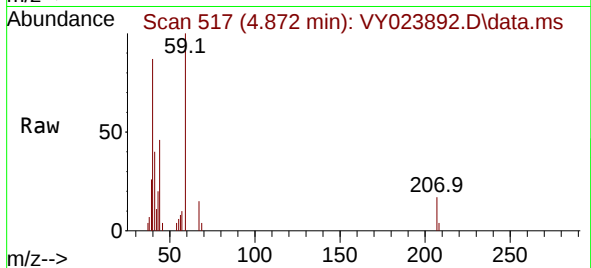
AR520-0002

Tgt Ion: 59 Resp: 5432

Ion Ratio Lower Upper

59 100

57 5.0 7.7 11.5#



#20

Methylene Chloride

Concen: 1.625 ug/l

RT: 4.629 min Scan# 477

Delta R.T. 0.006 min

Lab File: VY023892.D

Acq: 04 Dec 2025 14:19

Tgt Ion: 84 Resp: 27036

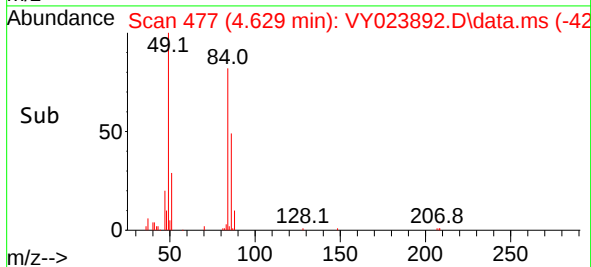
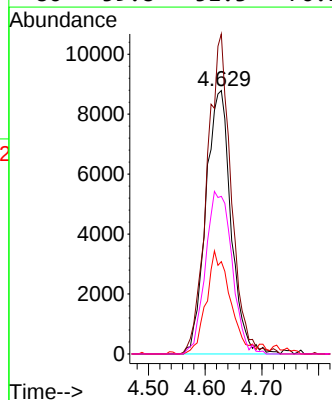
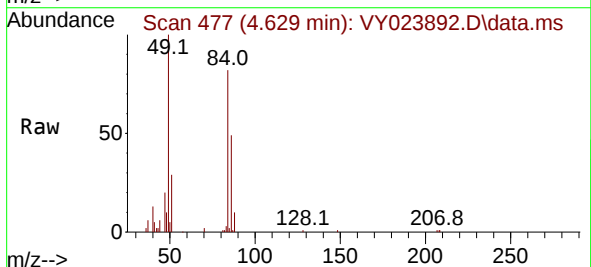
Ion Ratio Lower Upper

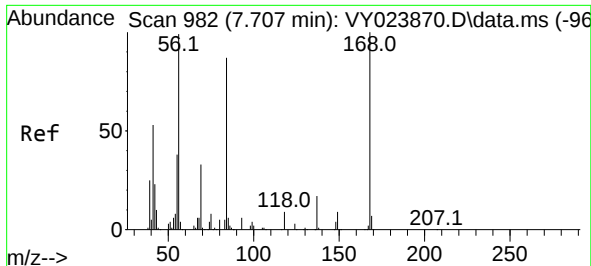
84 100

49 121.5 100.6 151.0

51 35.1 29.0 43.6

86 59.8 51.3 76.9

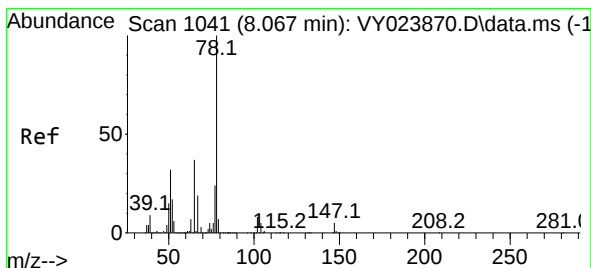
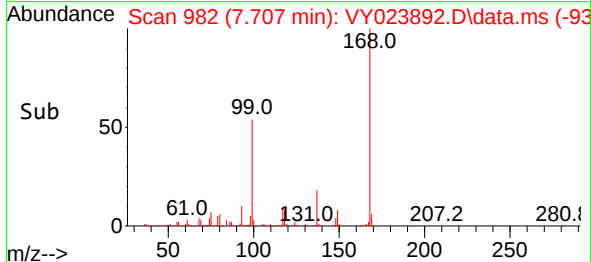
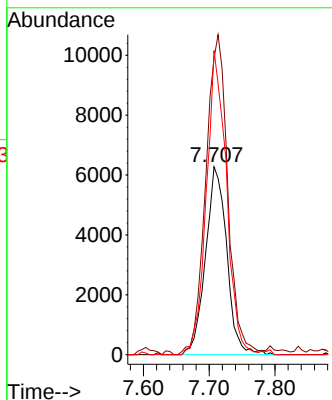
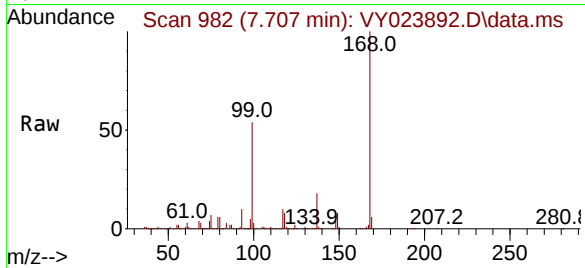




#31
Cyclohexane
Concen: 1.034 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023892.D
Acq: 04 Dec 2025 14:19

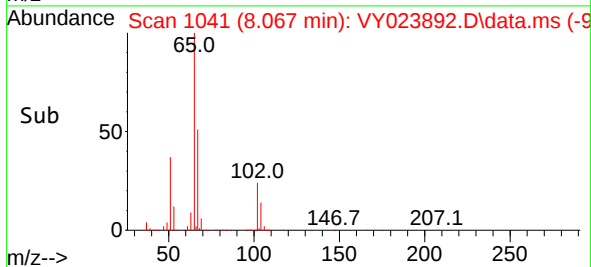
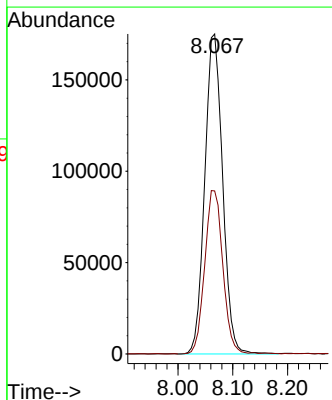
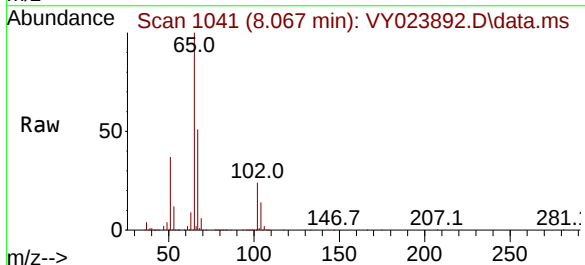
Instrument :
MSVOA_Y
ClientSampleId :
AR520-0002

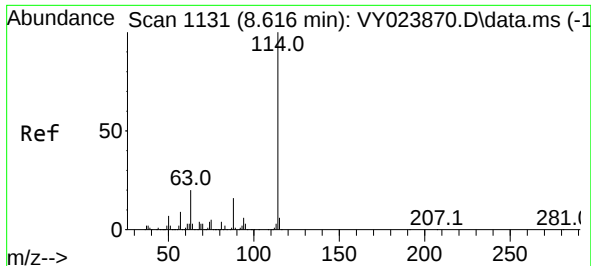
Tgt Ion: 56 Resp: 14133
Ion Ratio Lower Upper
56 100
69 156.8 26.8 40.2#
84 162.0 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 54.237 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY023892.D
Acq: 04 Dec 2025 14:19

Tgt Ion: 65 Resp: 395852
Ion Ratio Lower Upper
65 100
67 51.8 0.0 107.2

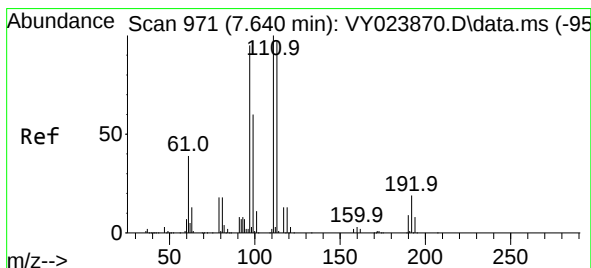
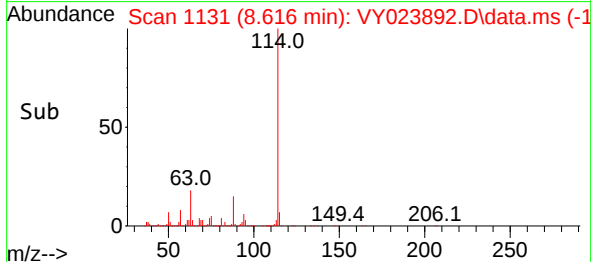
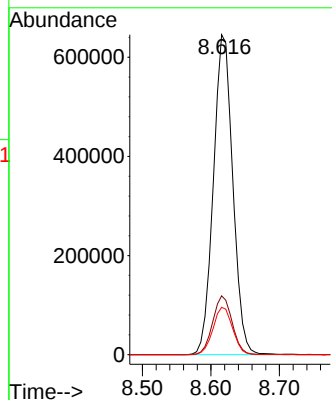
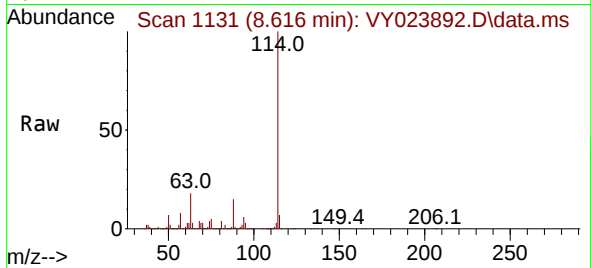




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023892.D
Acq: 04 Dec 2025 14:19

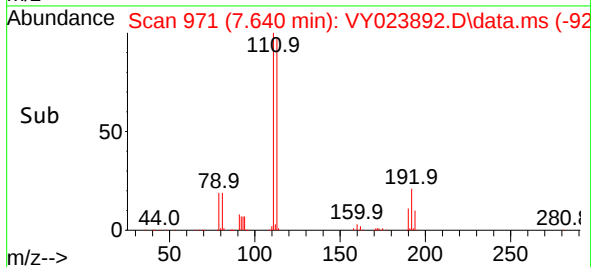
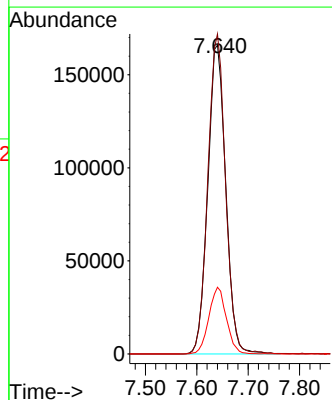
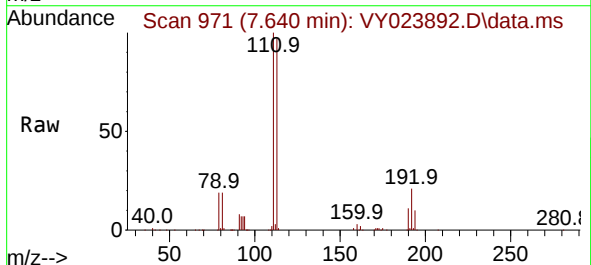
Instrument :
MSVOA_Y
ClientSampleId :
AR520-0002

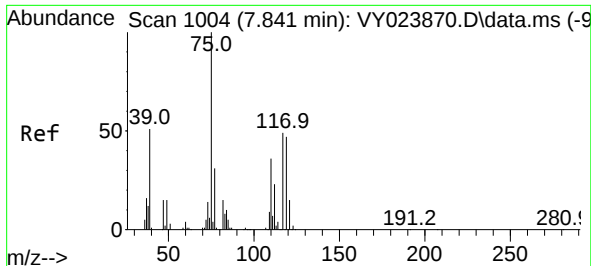
Tgt Ion:114 Resp: 1271072
Ion Ratio Lower Upper
114 100
63 18.4 0.0 39.2
88 14.8 0.0 31.4



#35
Dibromofluoromethane
Concen: 49.390 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY023892.D
Acq: 04 Dec 2025 14:19

Tgt Ion:113 Resp: 402641
Ion Ratio Lower Upper
113 100
111 101.9 82.2 123.2
192 21.1 15.8 23.8





#36

1,1-Dichloropropene

Concen: 4.313 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

Lab File: VY023892.D

Acq: 04 Dec 2025 14:19

Instrument :

MSVOA_Y

ClientSampleId :

AR520-0002

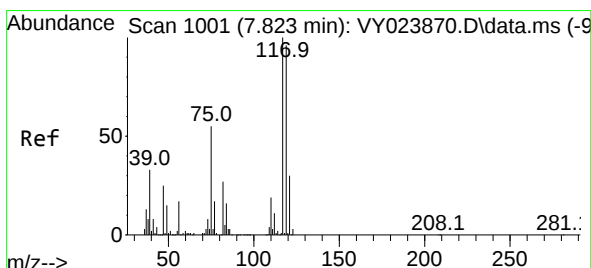
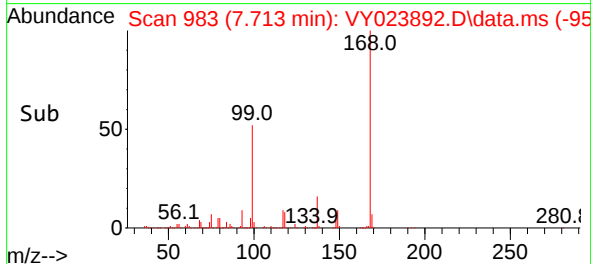
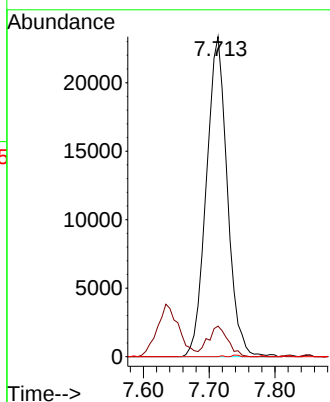
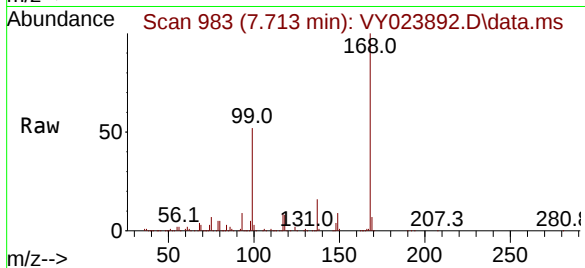
Tgt Ion: 75 Resp: 51848

Ion Ratio Lower Upper

75 100

110 9.0 17.6 52.9#

77 0.1 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.168 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.110 min

Lab File: VY023892.D

Acq: 04 Dec 2025 14:19

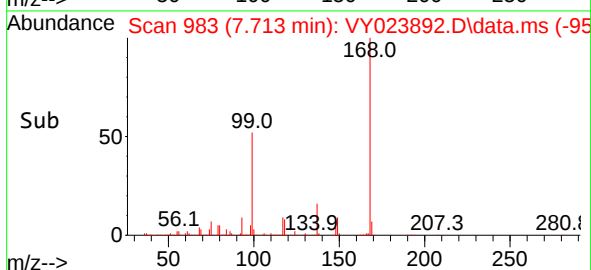
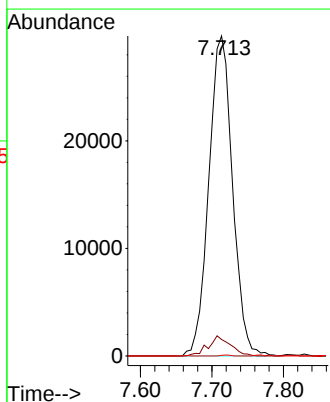
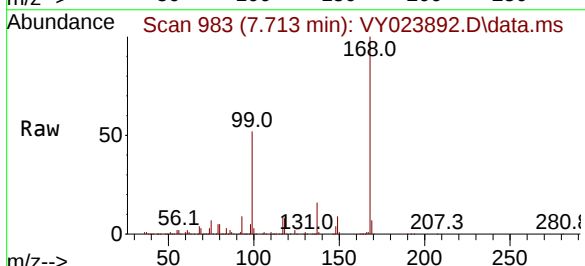
Tgt Ion: 117 Resp: 68560

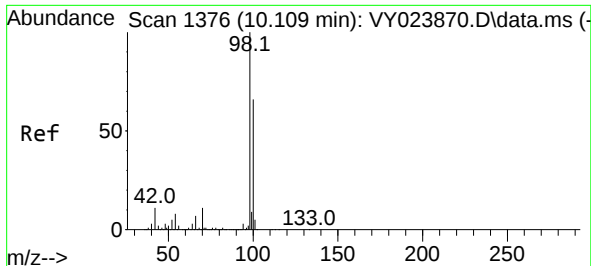
Ion Ratio Lower Upper

117 100

119 5.2 77.0 115.6#

121 0.2 23.9 35.9#

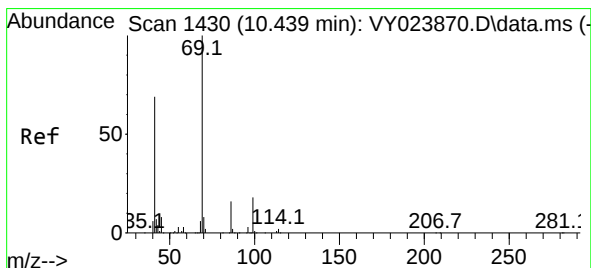
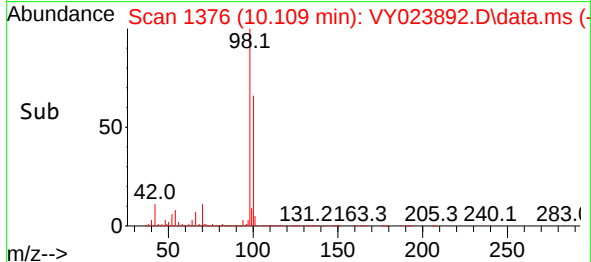
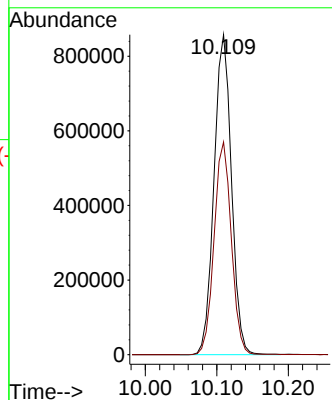
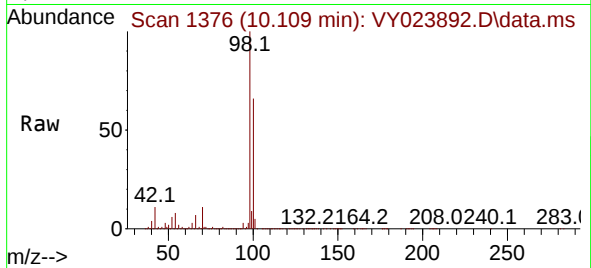




#50
Toluene-d8
Concen: 45.755 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023892.D
Acq: 04 Dec 2025 14:19

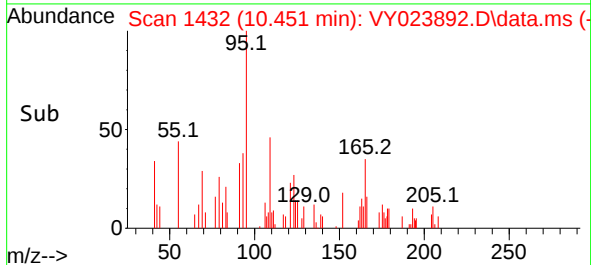
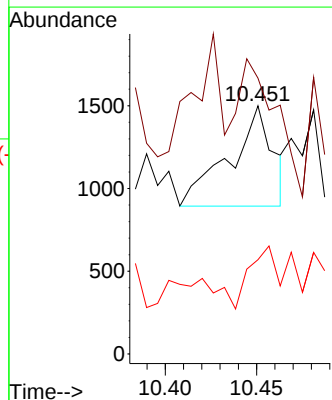
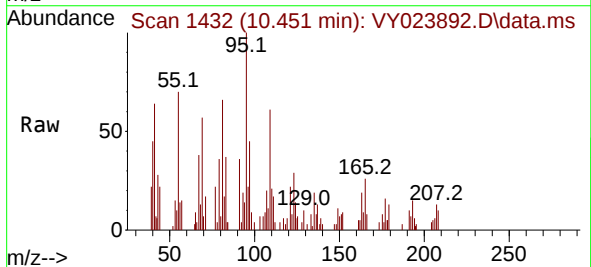
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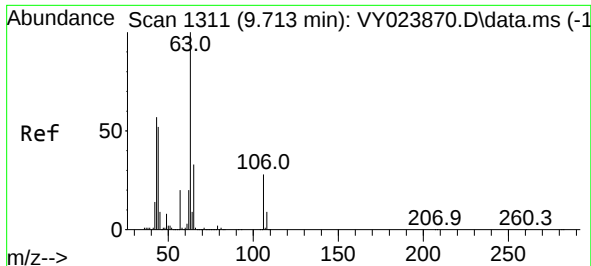
Tgt Ion: 98 Resp: 1451515
Ion Ratio Lower Upper
98 100
100 65.8 52.5 78.7



#56
Ethyl methacrylate
Concen: 4.251 ug/l
RT: 10.451 min Scan# 1432
Delta R.T. 0.012 min
Lab File: VY023892.D
Acq: 04 Dec 2025 14:19

Tgt Ion: 69 Resp: 997
Ion Ratio Lower Upper
69 100
41 106.2 52.5 78.7#
39 38.8 27.1 40.7

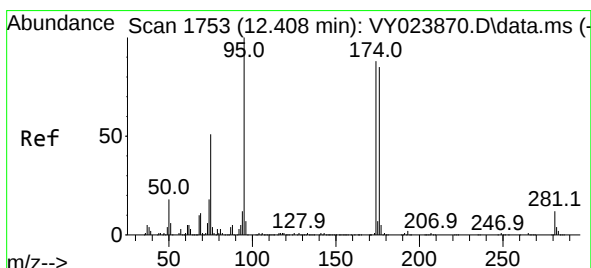
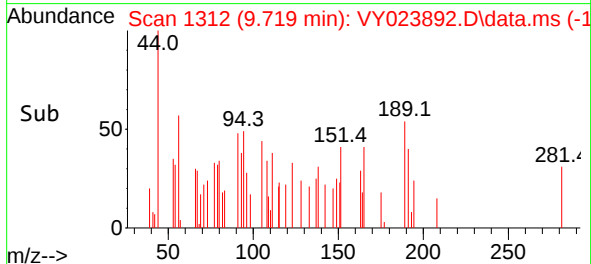
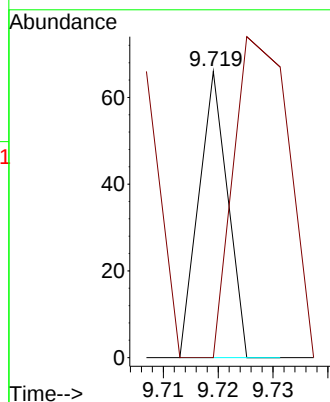
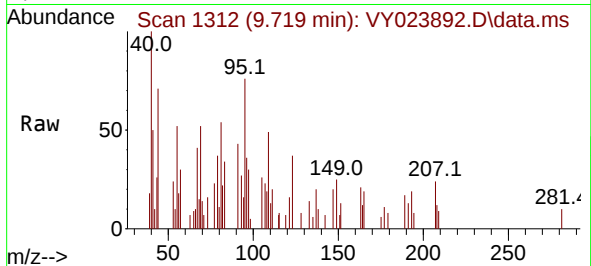




#58
2-Chloroethyl Vinyl ether
Concen: 14.723 ug/l
RT: 9.719 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023892.D
Acq: 04 Dec 2025 14:19

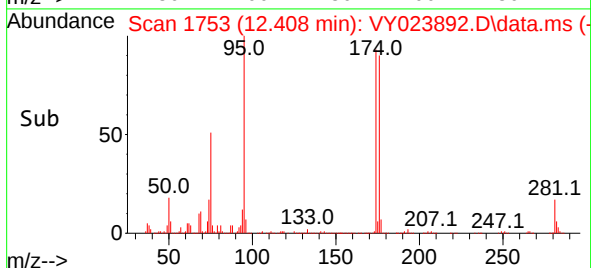
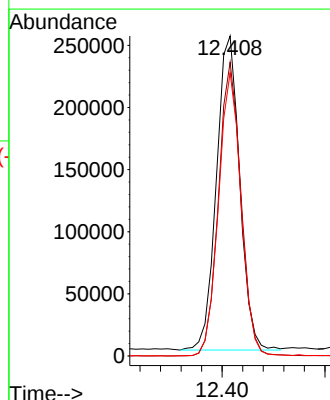
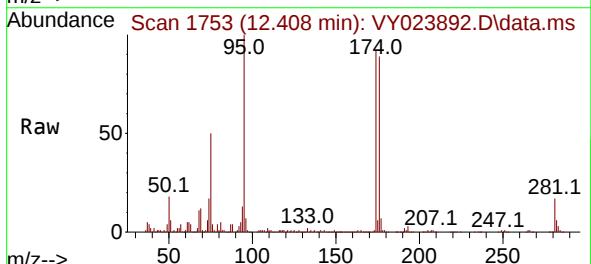
Instrument :
MSVOA_Y
ClientSampleId :
AR520-0002

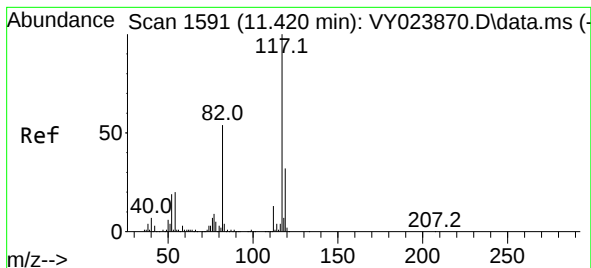
Tgt Ion: 63 Resp: 24
Ion Ratio Lower Upper
63 100
106 216.7 22.5 33.7#



#62
4-Bromofluorobenzene
Concen: 36.665 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY023892.D
Acq: 04 Dec 2025 14:19

Tgt Ion: 95 Resp: 396728
Ion Ratio Lower Upper
95 100
174 90.2 0.0 169.6
176 87.0 0.0 164.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY023892.D

Acq: 04 Dec 2025 14:19

Instrument :

MSVOA_Y

ClientSampleId :

AR520-0002

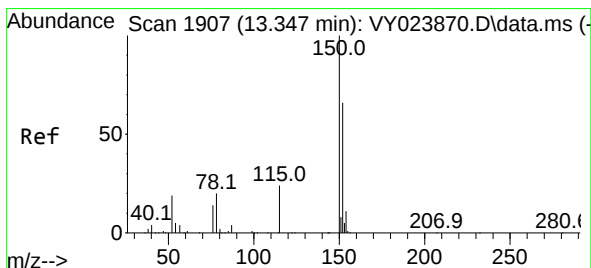
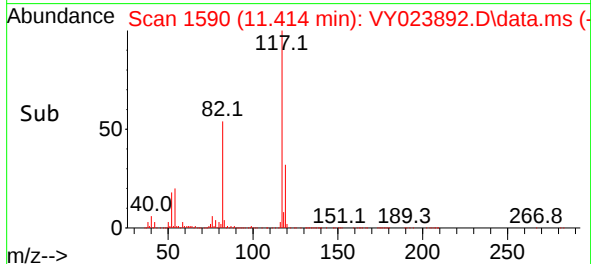
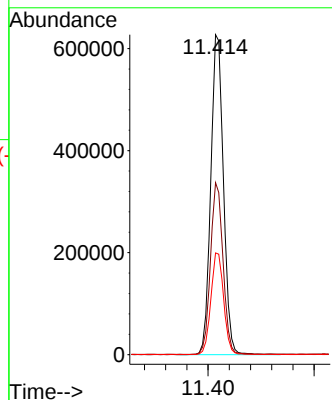
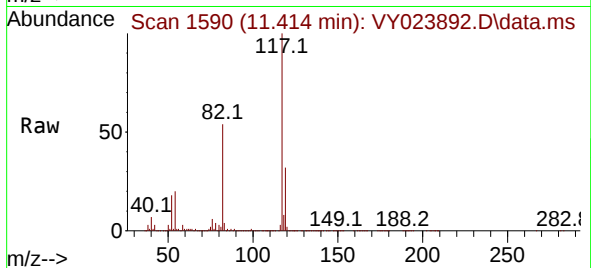
Tgt Ion:117 Resp: 1038297

Ion Ratio Lower Upper

117 100

82 53.6 43.1 64.7

119 31.7 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: VY023892.D

Acq: 04 Dec 2025 14:19

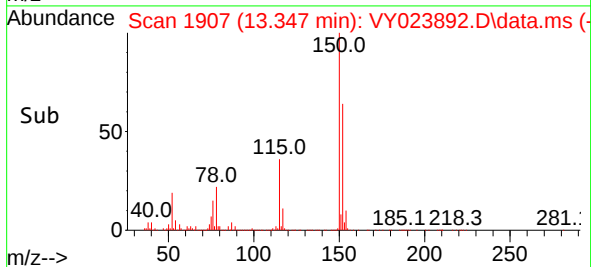
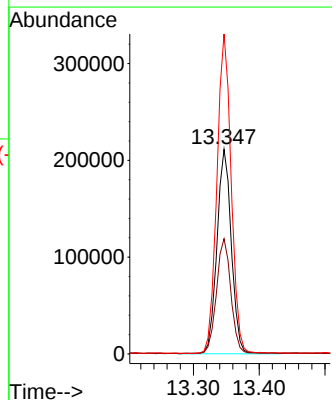
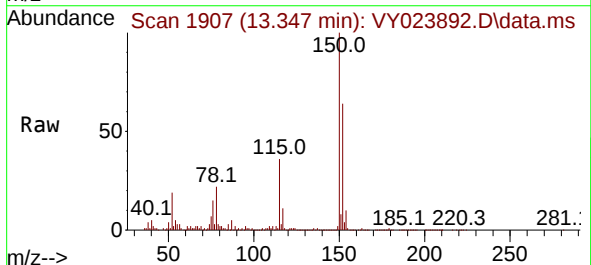
Tgt Ion:152 Resp: 321246

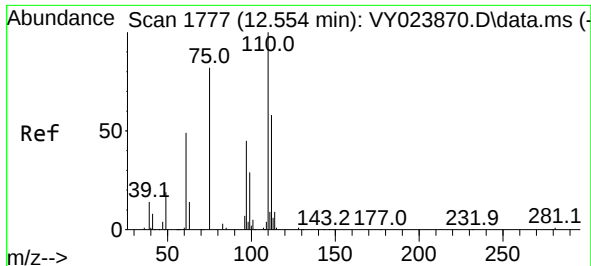
Ion Ratio Lower Upper

152 100

115 56.0 28.8 86.4

150 155.1 0.0 352.2

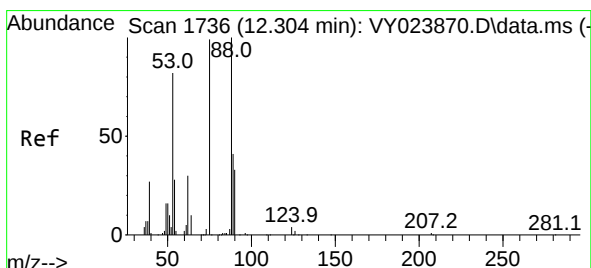
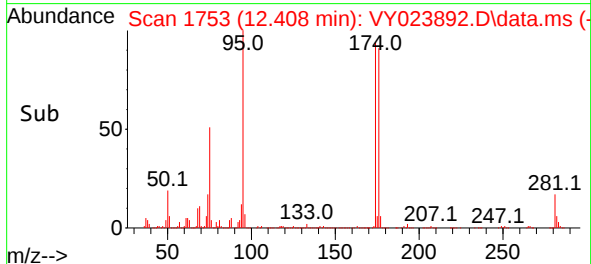
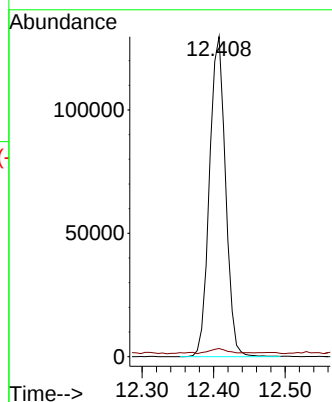
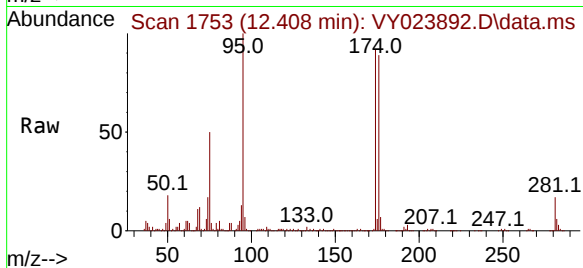




#76
1,2,3-Trichloropropane
Concen: 63.608 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023892.D
Acq: 04 Dec 2025 14:19

Instrument :
MSVOA_Y
ClientSampleId :
AR520-0002

Tgt Ion: 75 Resp: 202575
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 152.347 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY023892.D
Acq: 04 Dec 2025 14:19

Tgt Ion: 75 Resp: 202575
Ion Ratio Lower Upper
75 100
53 0.5 71.1 106.7#
89 0.4 36.3 54.5#

