

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
 Data File : VY023891.D
 Acq On : 04 Dec 2025 13:56
 Operator : SY/MD
 Sample : Q3753-02
 Misc : 6.55g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MOO-25-334-337

Quant Time: Dec 05 01:46:48 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	732689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1307835	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1146789	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	496968	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	395201	53.919	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.840%
35) Dibromofluoromethane	7.640	113	412671	49.197	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.400%
50) Toluene-d8	10.109	98	1532933	46.963	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.920%
62) 4-Bromofluorobenzene	12.407	95	472253	42.418	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.840%

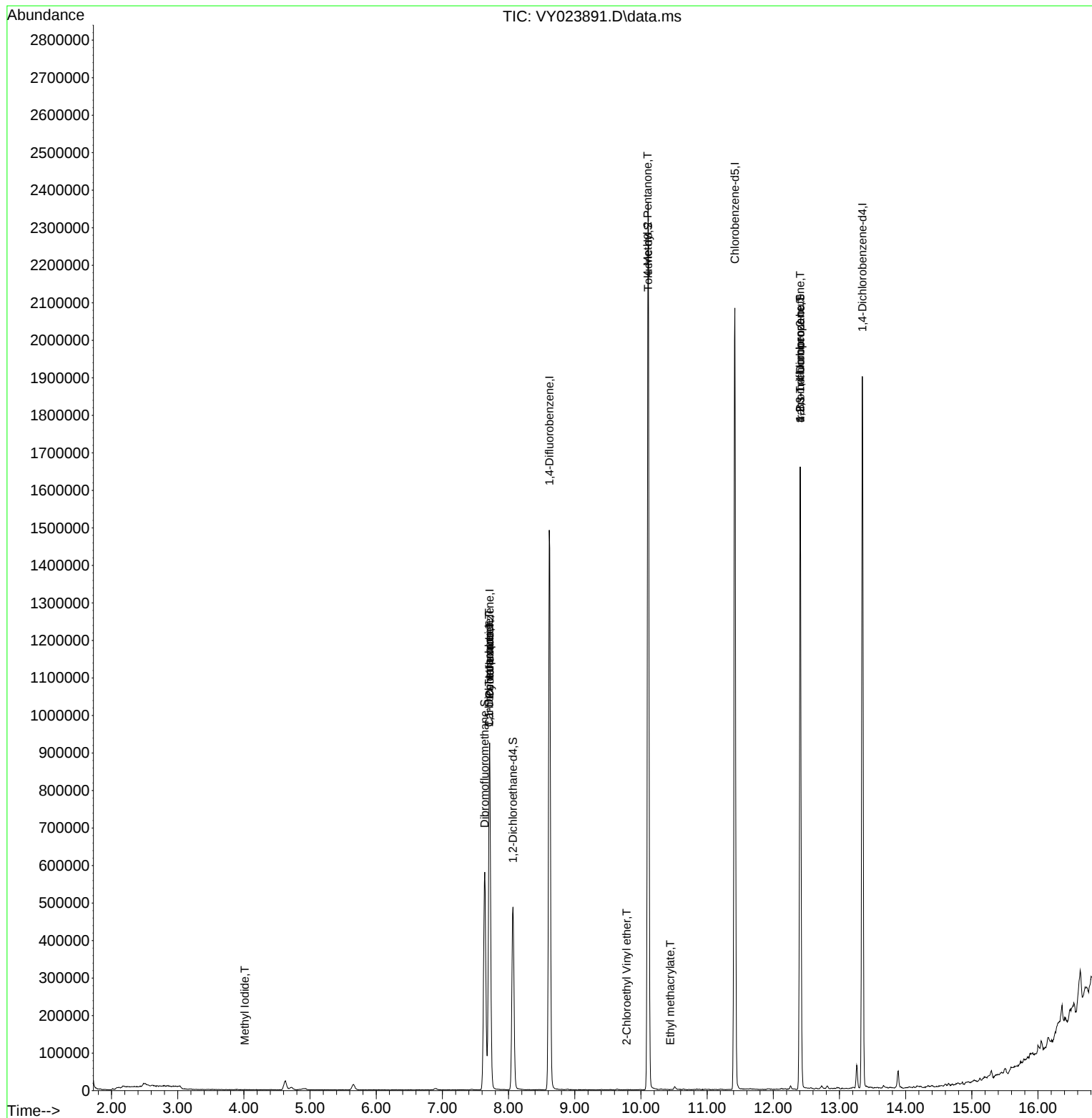
Target Compounds					Qvalue	
10) Methyl Iodide	4.012	142	164	2.459	ug/l #	79
11) Tert butyl alcohol	4.872	59	3128	Below Cal	#	94
31) Cyclohexane	7.713	56	14058	1.024	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	51494	4.163	ug/l #	50
38) Carbon Tetrachloride	7.707	117	70518	5.166	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	6507	1.158	ug/l #	1
56) Ethyl methacrylate	10.444	69	119	4.162	ug/l #	25
58) 2-Chloroethyl Vinyl ether	9.786	63	29	14.724	ug/l #	47
76) 1,2,3-Trichloropropane	12.407	75	241279	48.973	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	241279	117.294	ug/l #	14

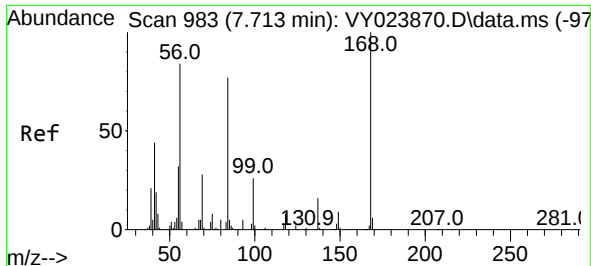
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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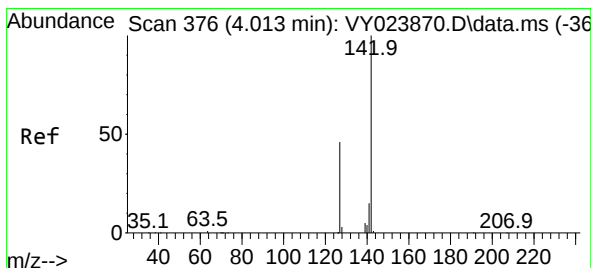
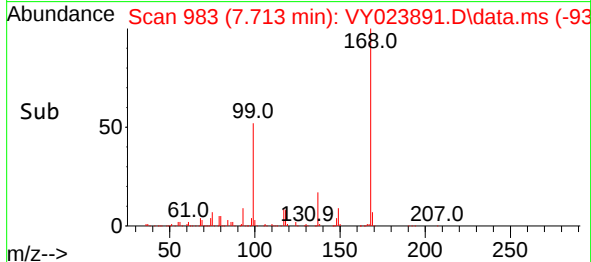
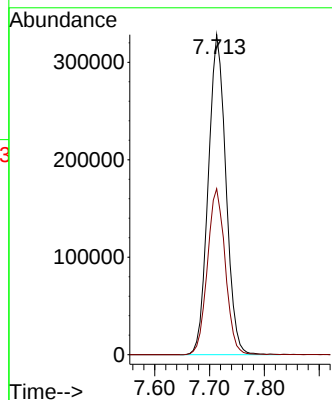
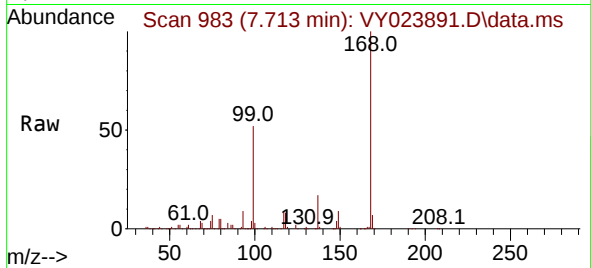




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.000 min
Lab File: VY023891.D
Acq: 04 Dec 2025 13:56

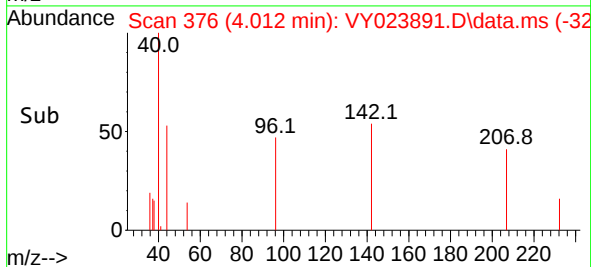
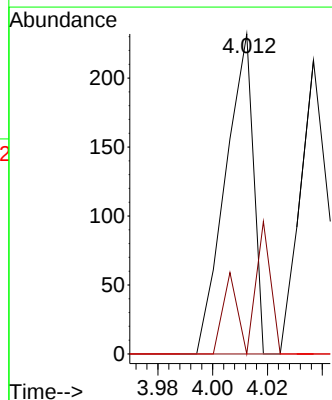
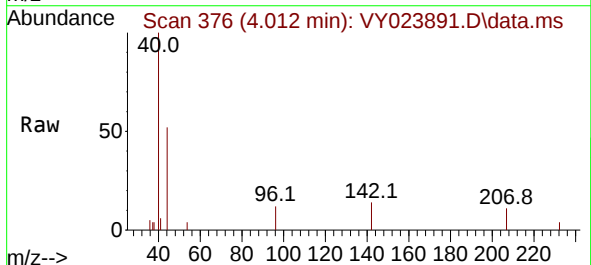
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-334-337

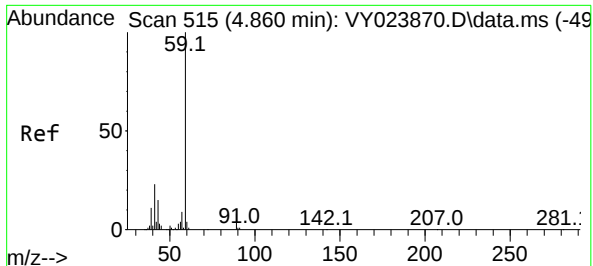
Tgt Ion:168 Resp: 732689
Ion Ratio Lower Upper
168 100
99 51.8 42.5 63.7



#10
Methyl Iodide
Concen: 2.459 ug/l
RT: 4.012 min Scan# 376
Delta R.T. -0.000 min
Lab File: VY023891.D
Acq: 04 Dec 2025 13:56

Tgt Ion:142 Resp: 164
Ion Ratio Lower Upper
142 100
127 34.8 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: VY023891.D

Acq: 04 Dec 2025 13:56

Instrument :

MSVOA_Y

ClientSampleId :

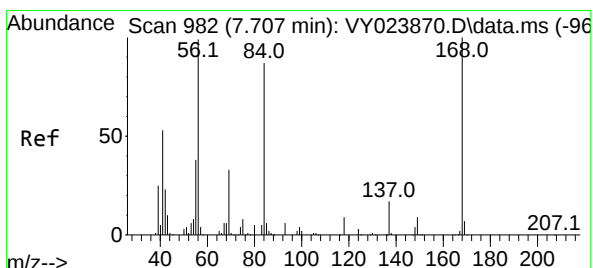
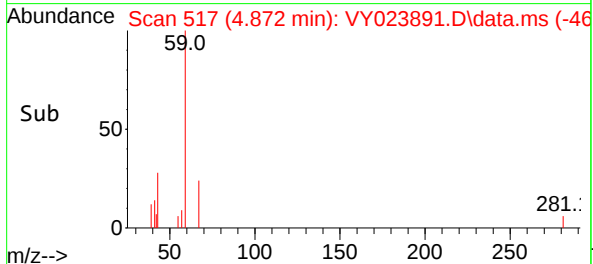
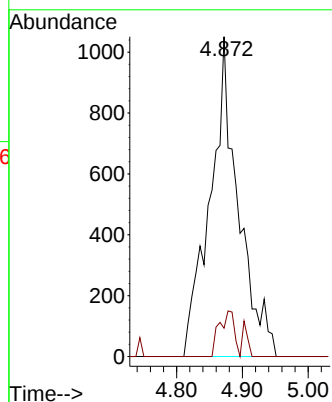
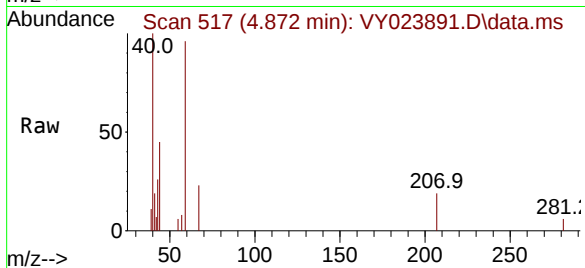
MOO-25-334-337

Tgt Ion: 59 Resp: 3128

Ion Ratio Lower Upper

59 100

57 7.6 7.7 11.5#



#31

Cyclohexane

Concen: 1.024 ug/l

RT: 7.713 min Scan# 983

Delta R.T. 0.006 min

Lab File: VY023891.D

Acq: 04 Dec 2025 13:56

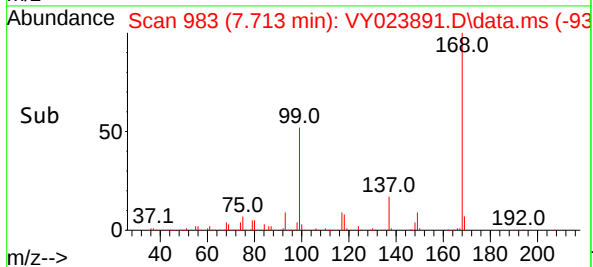
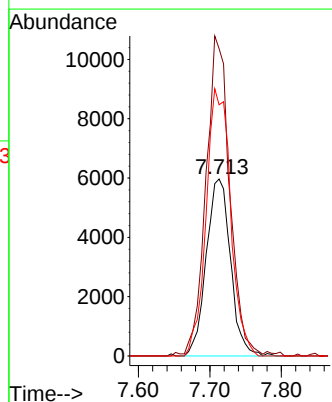
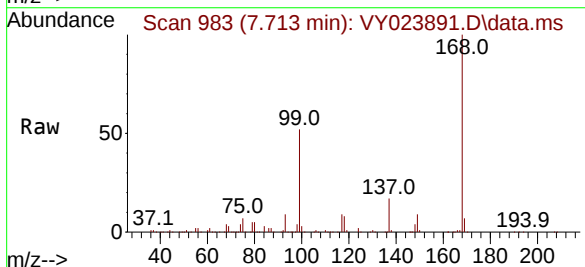
Tgt Ion: 56 Resp: 14058

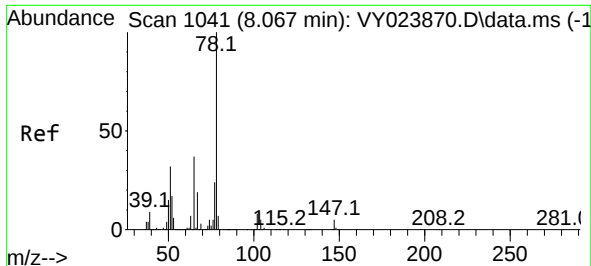
Ion Ratio Lower Upper

56 100

69 172.6 26.8 40.2#

84 142.0 70.4 105.6#





#33

1,2-Dichloroethane-d4

Concen: 53.919 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VY023891.D

Acq: 04 Dec 2025 13:56

Instrument :

MSVOA_Y

ClientSampleId :

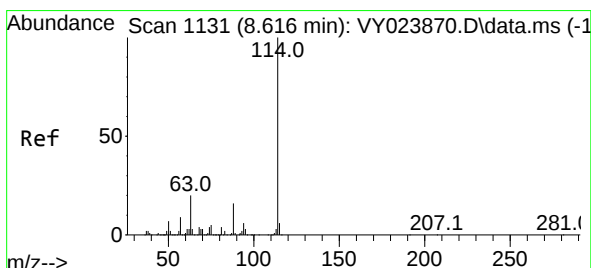
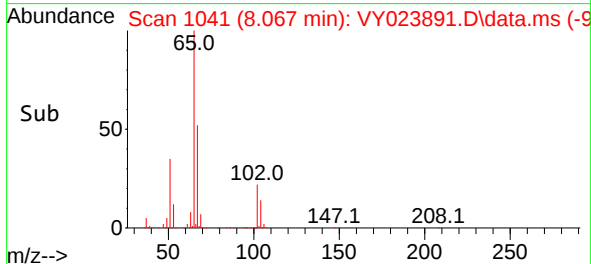
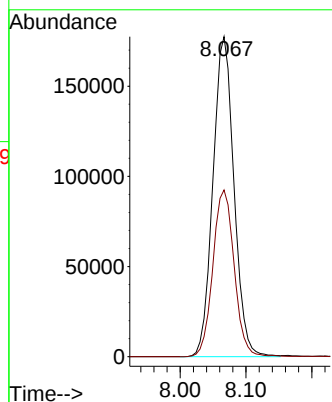
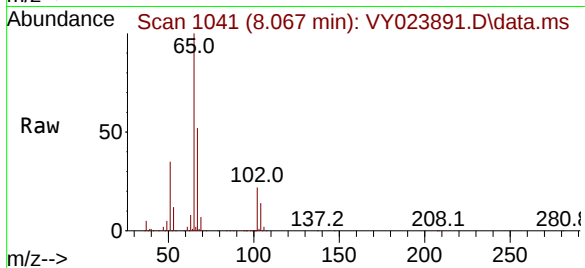
MOO-25-334-337

Tgt Ion: 65 Resp: 395201

Ion Ratio Lower Upper

65 100

67 52.9 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023891.D

Acq: 04 Dec 2025 13:56

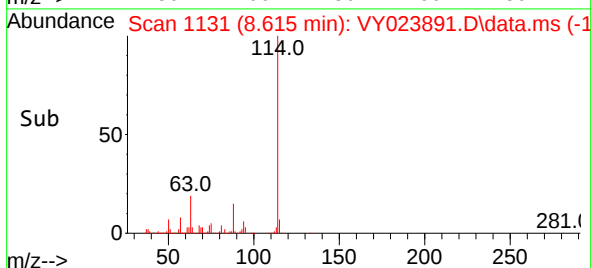
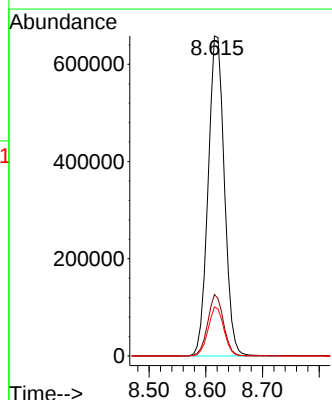
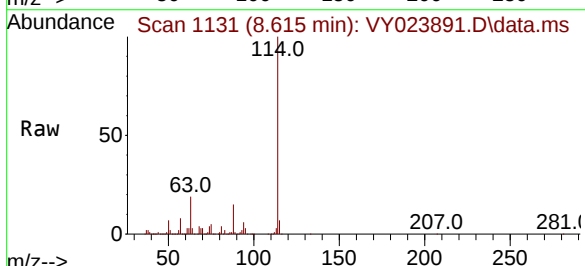
Tgt Ion: 114 Resp: 1307835

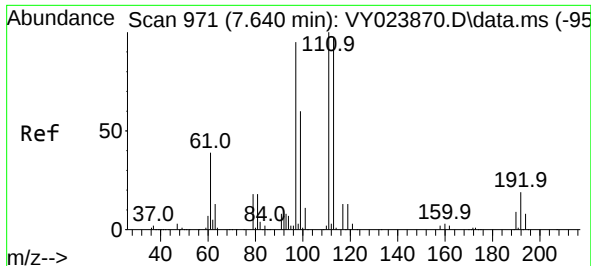
Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.2

88 15.3 0.0 31.4

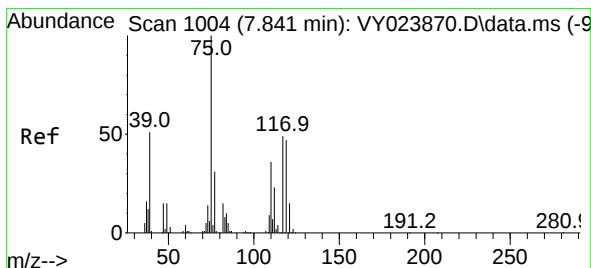
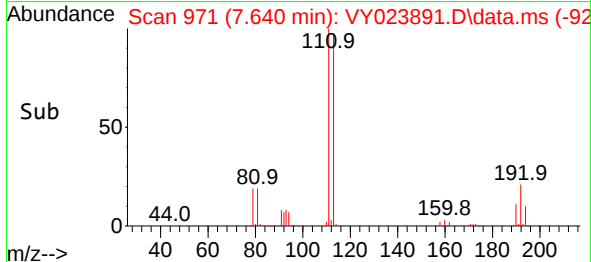
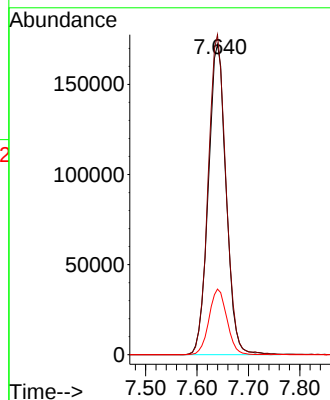
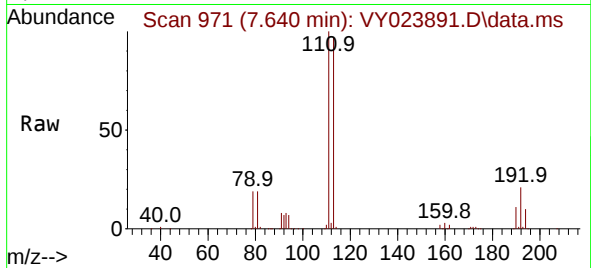




#35
Dibromofluoromethane
Concen: 49.197 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023891.D
Acq: 04 Dec 2025 13:56

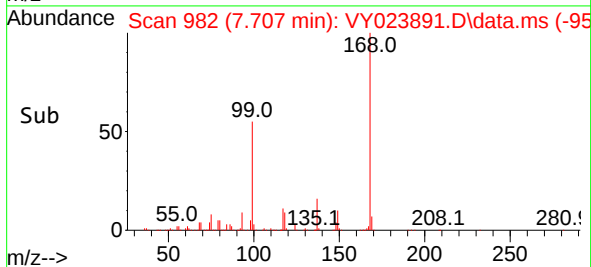
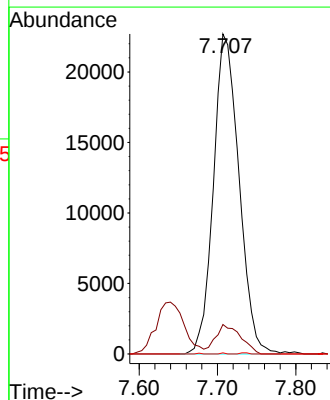
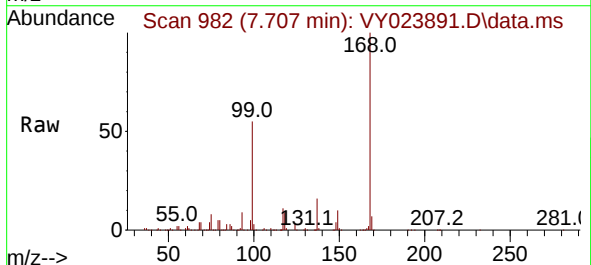
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-334-337

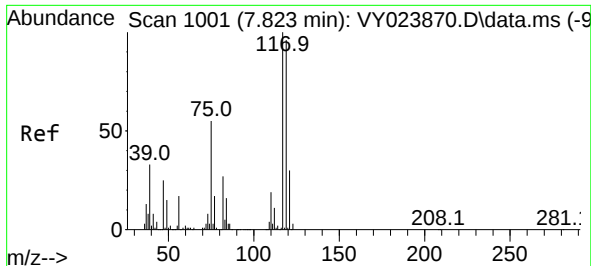
Tgt Ion:113 Resp: 412671
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.2
192 21.3 15.8 23.8



#36
1,1-Dichloropropene
Concen: 4.163 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.135 min
Lab File: VY023891.D
Acq: 04 Dec 2025 13:56

Tgt Ion: 75 Resp: 51494
Ion Ratio Lower Upper
75 100
110 9.0 17.6 52.9#
77 0.1 24.6 37.0#

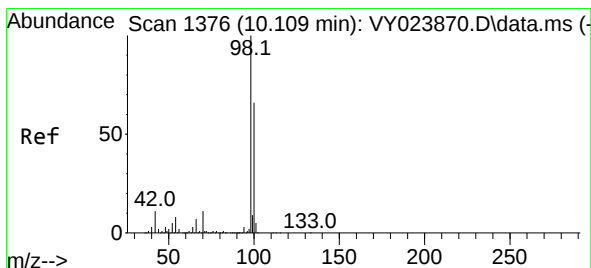
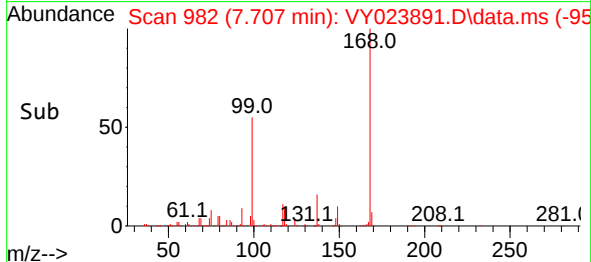
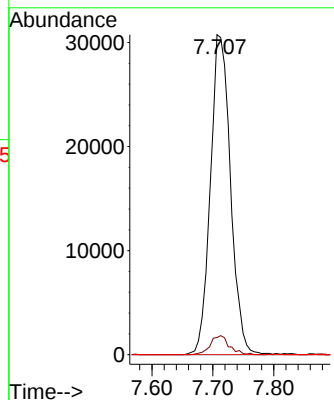
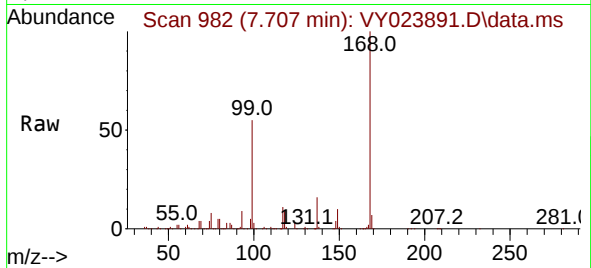




#38
Carbon Tetrachloride
Concen: 5.166 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY023891.D
Acq: 04 Dec 2025 13:56

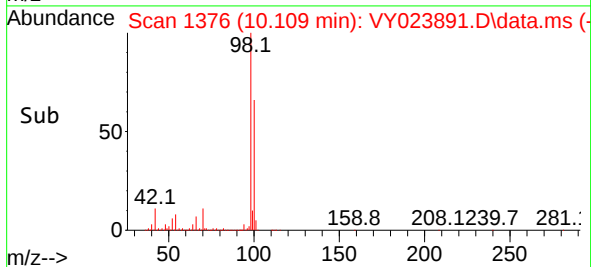
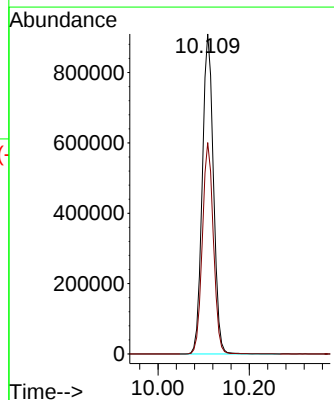
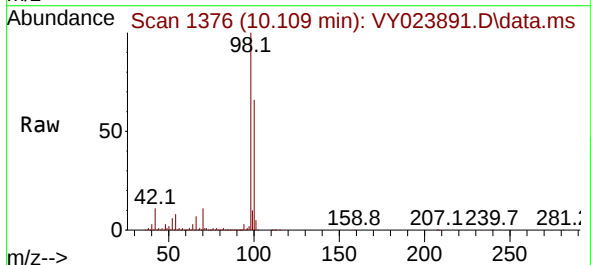
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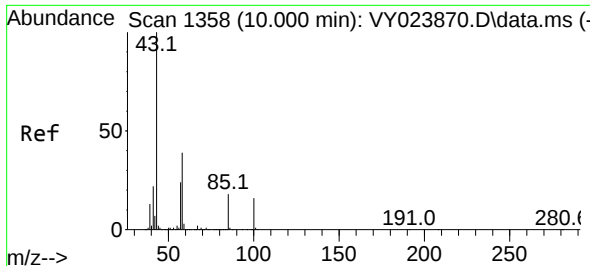
Tgt Ion:117 Resp: 70518
Ion Ratio Lower Upper
117 100
119 5.3 77.0 115.6#
121 0.0 23.9 35.9#



#50
Toluene-d8
Concen: 46.963 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023891.D
Acq: 04 Dec 2025 13:56

Tgt Ion: 98 Resp: 1532933
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7

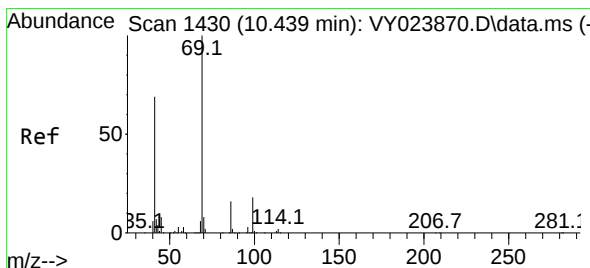
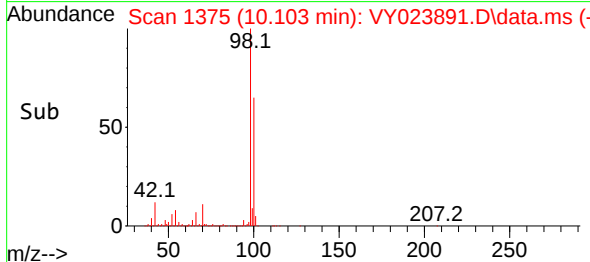
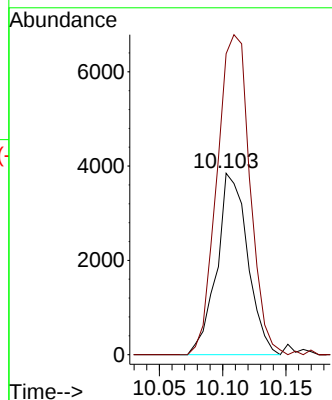
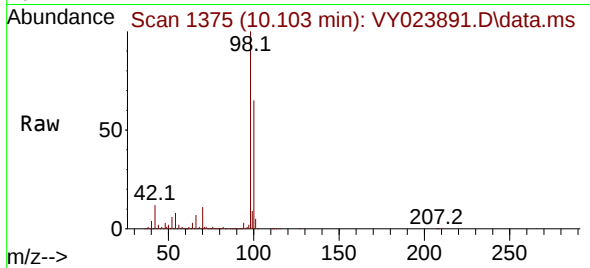




#51
4-Methyl-2-Pentanone
Concen: 1.158 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY023891.D
Acq: 04 Dec 2025 13:56

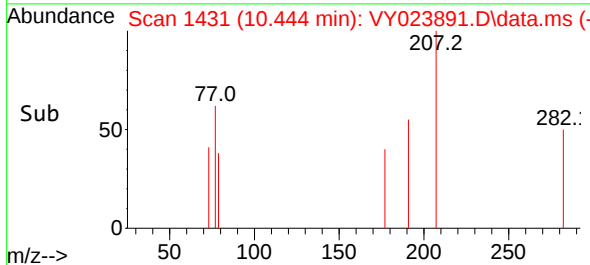
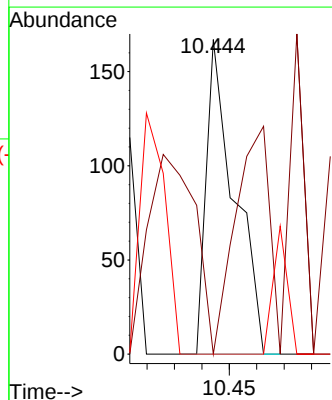
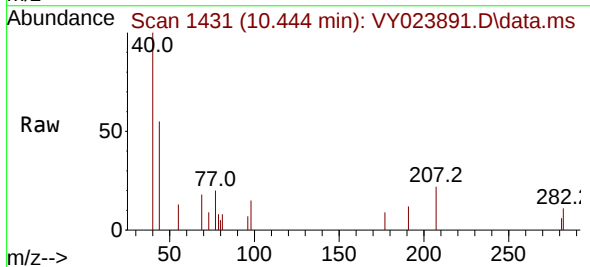
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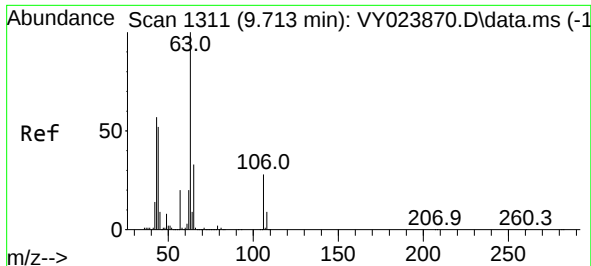
Tgt Ion: 43 Resp: 6507
Ion Ratio Lower Upper
43 100
58 188.9 31.8 47.8#



#56
Ethyl methacrylate
Concen: 4.162 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VY023891.D
Acq: 04 Dec 2025 13:56

Tgt Ion: 69 Resp: 119
Ion Ratio Lower Upper
69 100
41 0.0 52.5 78.7#
39 0.0 27.1 40.7#

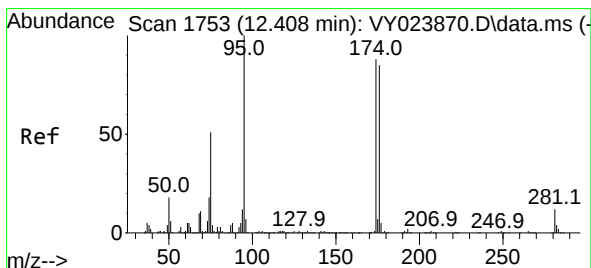
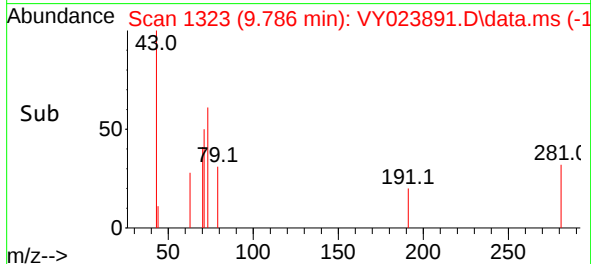
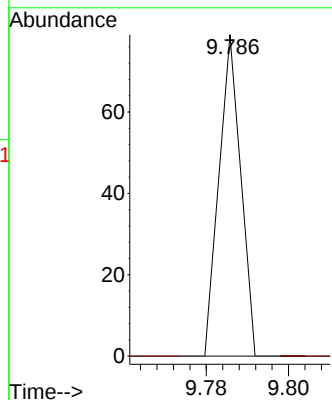
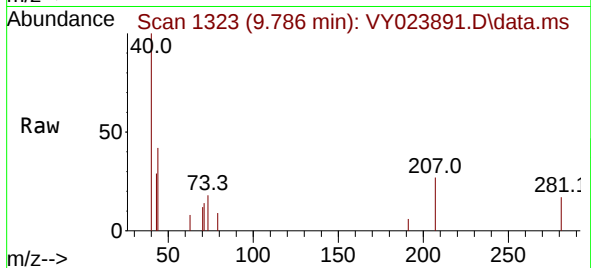




#58
2-Chloroethyl Vinyl ether
Concen: 14.724 ug/l
RT: 9.786 min Scan# 11
Delta R.T. 0.073 min
Lab File: VY023891.D
Acq: 04 Dec 2025 13:56

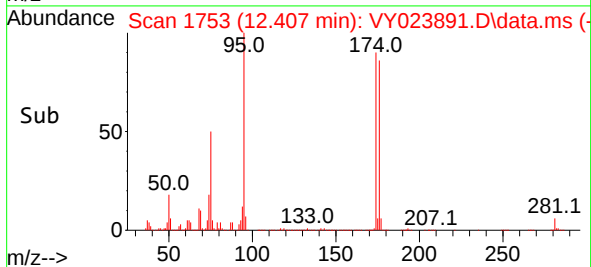
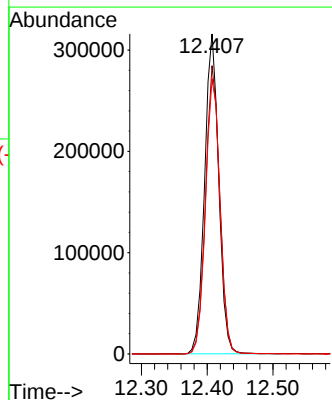
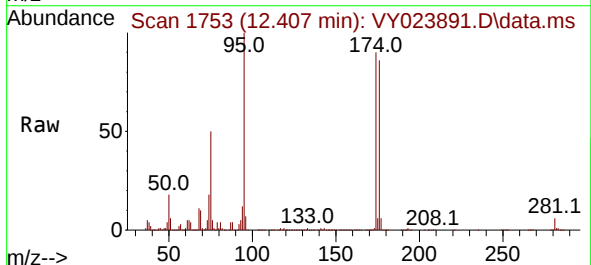
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-334-337

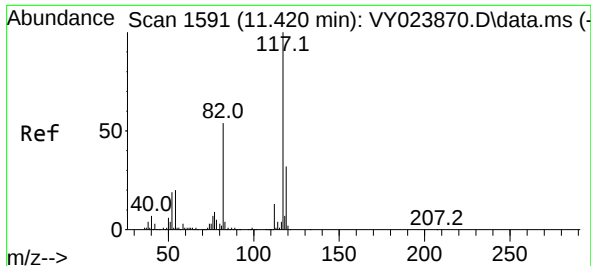
Tgt Ion: 63 Resp: 29
Ion Ratio Lower Upper
63 100
106 0.0 22.5 33.7#



#62
4-Bromofluorobenzene
Concen: 42.418 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY023891.D
Acq: 04 Dec 2025 13:56

Tgt Ion: 95 Resp: 472253
Ion Ratio Lower Upper
95 100
174 91.2 0.0 169.6
176 88.4 0.0 164.4

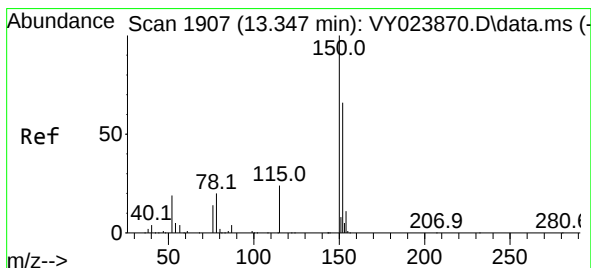
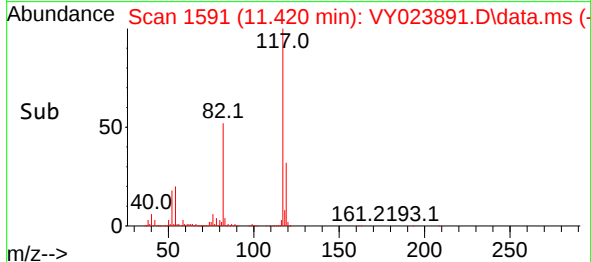
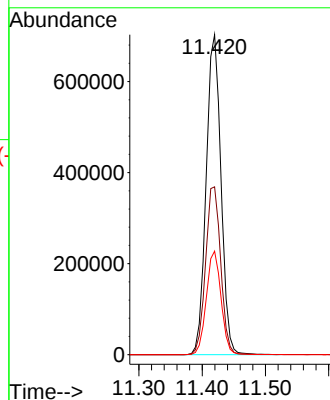
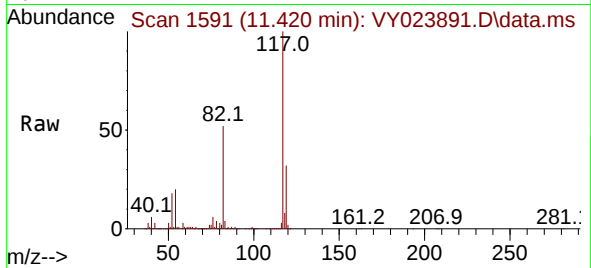




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY023891.D
Acq: 04 Dec 2025 13:56

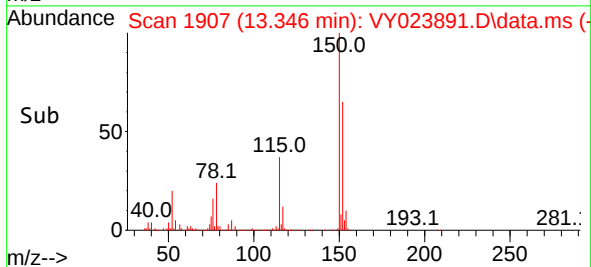
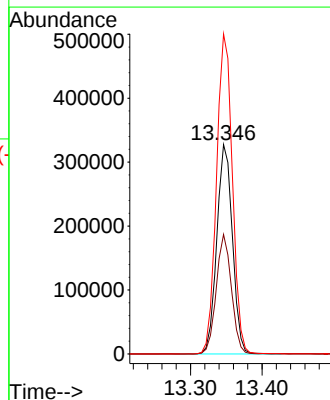
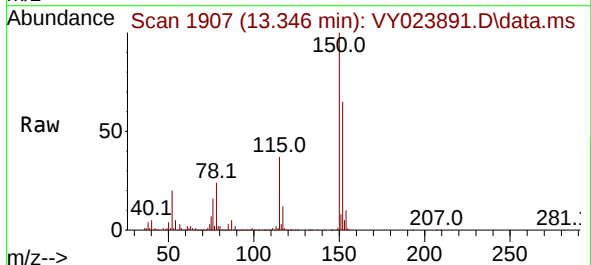
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-334-337

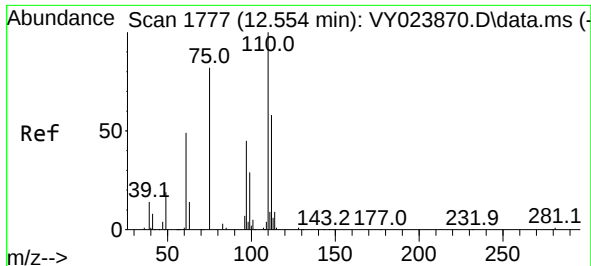
Tgt Ion:117 Resp: 1146789
Ion Ratio Lower Upper
117 100
82 52.5 43.1 64.7
119 32.3 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023891.D
Acq: 04 Dec 2025 13:56

Tgt Ion:152 Resp: 496968
Ion Ratio Lower Upper
152 100
115 55.3 28.8 86.4
150 155.0 0.0 352.2

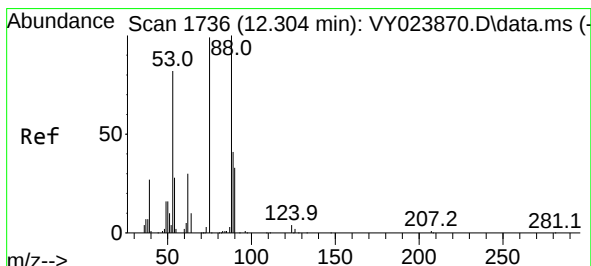
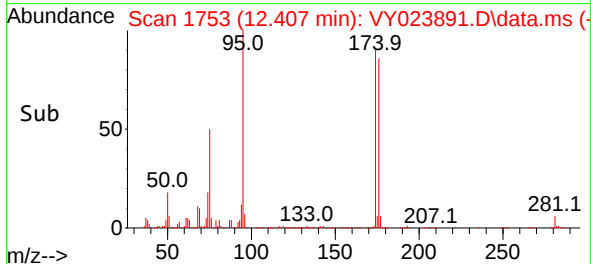
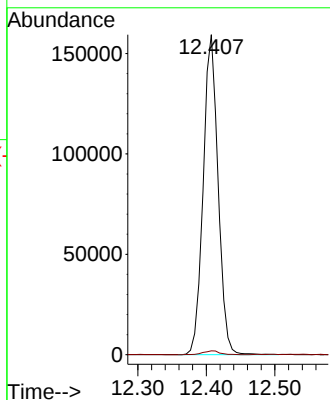
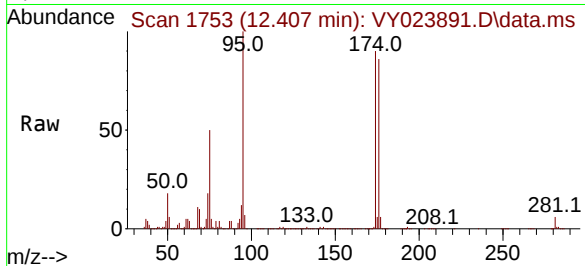




#76
1,2,3-Trichloropropane
Concen: 48.973 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.147 min
Lab File: VY023891.D
Acq: 04 Dec 2025 13:56

Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-334-337

Tgt Ion: 75 Resp: 241279
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 117.294 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.103 min
Lab File: VY023891.D
Acq: 04 Dec 2025 13:56

Tgt Ion: 75 Resp: 241279
Ion Ratio Lower Upper
75 100
53 0.3 71.1 106.7#
89 0.1 36.3 54.5#

