

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
 Data File : VY023895.D
 Acq On : 04 Dec 2025 15:29
 Operator : SY/MD
 Sample : Q3742-10
 Misc : 4.87g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-1125-2

Quant Time: Dec 05 01:48:19 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)

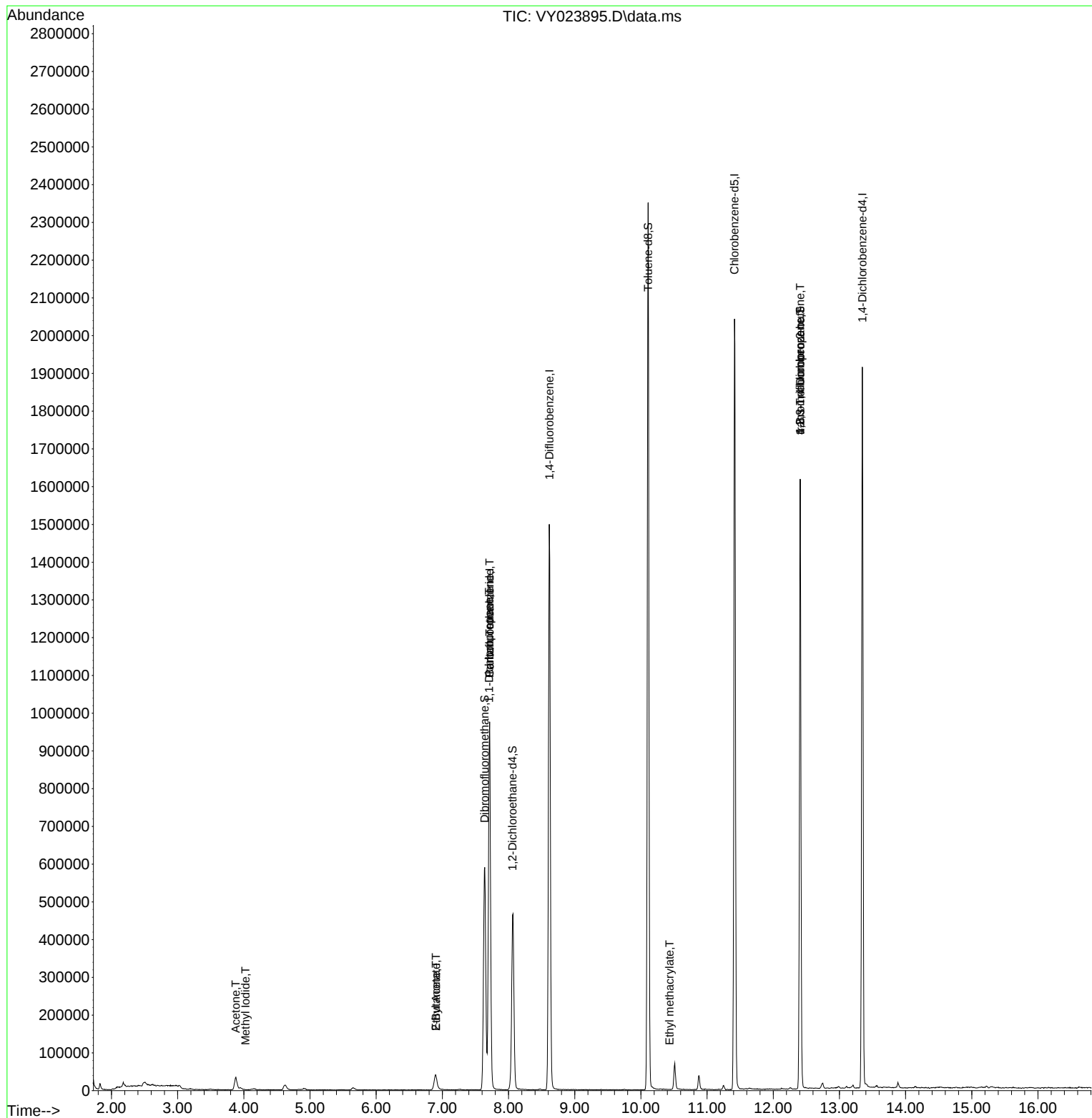
Internal Standards						
1) Pentafluorobenzene	7.713	168	804667	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1357896	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1169651	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	504866	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	370919	46.079	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.160%
35) Dibromofluoromethane	7.640	113	424473	48.739	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.480%
50) Toluene-d8	10.109	98	1537439	45.364	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.720%
62) 4-Bromofluorobenzene	12.408	95	475017	41.093	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.180%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.025	142	382	2.480	ug/l #	63
11) Tert butyl alcohol	4.878	59	590	Below Cal	#	74
16) Acetone	3.879	43	59243	24.561	ug/l	95
20) Methylene Chloride	4.628	84	10736	Below Cal		86
25) 2-Butanone	6.902	43	20683	7.113	ug/l	97
36) 1,1-Dichloropropene	7.707	75	52591	4.095	ug/l #	51
37) Ethyl Acetate	6.902	43	20683	3.488	ug/l #	69
38) Carbon Tetrachloride	7.713	117	74570	5.261	ug/l #	16
56) Ethyl methacrylate	10.432	69	99	4.160	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	231285	46.210	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	231285	110.677	ug/l #	14

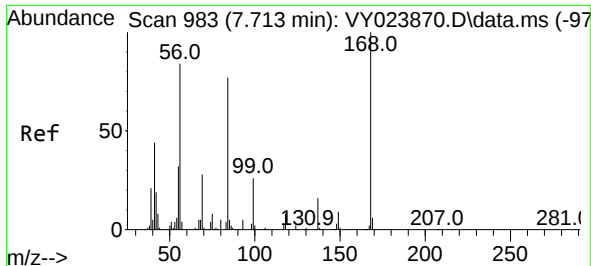
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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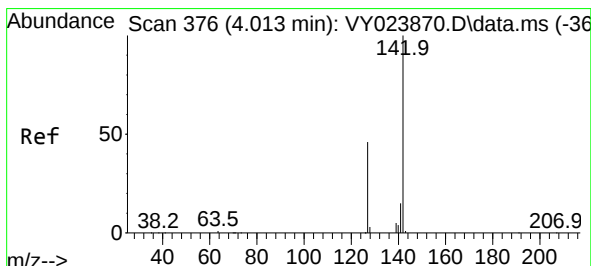
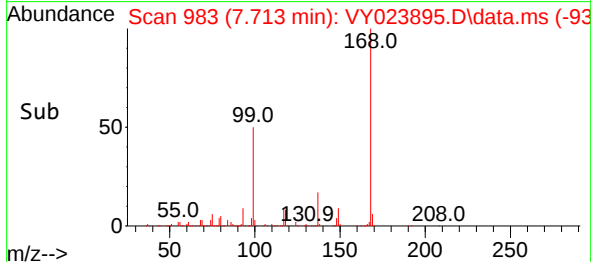
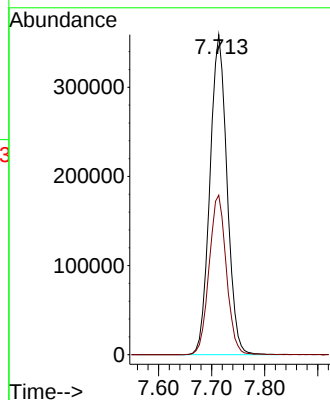
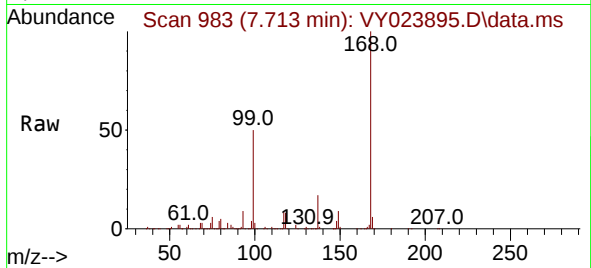




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023895.D
Acq: 04 Dec 2025 15:29

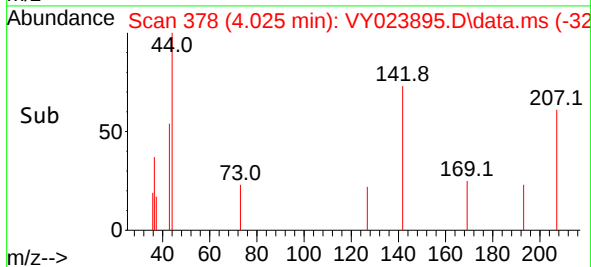
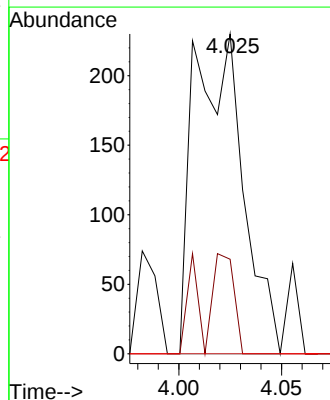
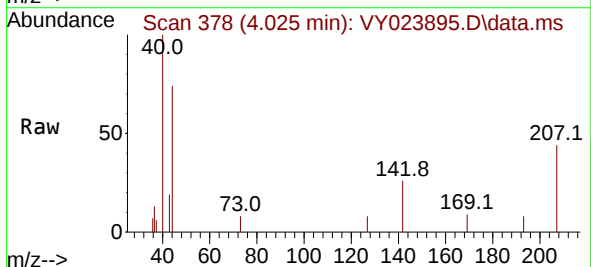
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-2

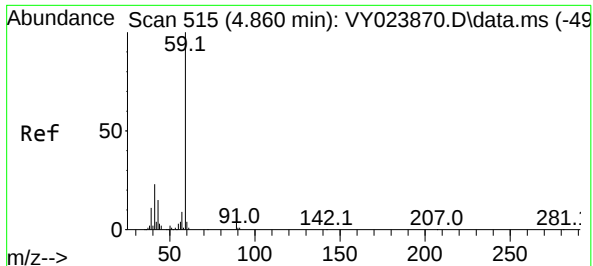
Tgt Ion:168 Resp: 804667
Ion Ratio Lower Upper
168 100
99 49.9 42.5 63.7



#10
Methyl Iodide
Concen: 2.480 ug/l
RT: 4.025 min Scan# 378
Delta R.T. 0.012 min
Lab File: VY023895.D
Acq: 04 Dec 2025 15:29

Tgt Ion:142 Resp: 382
Ion Ratio Lower Upper
142 100
127 20.4 36.1 54.1#
141 0.0 11.8 17.8#

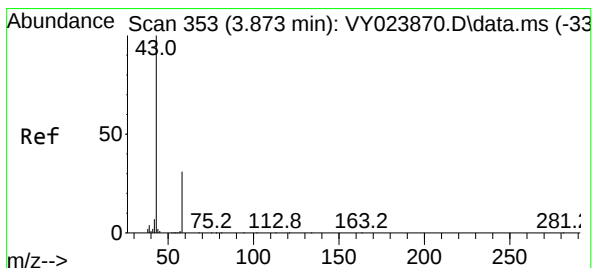
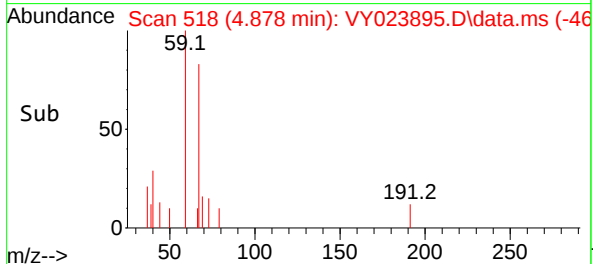
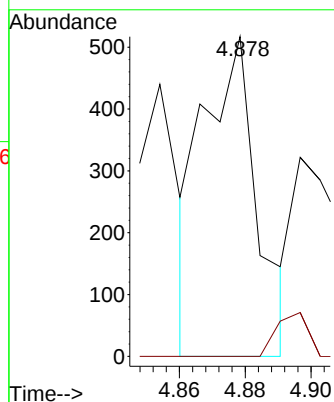
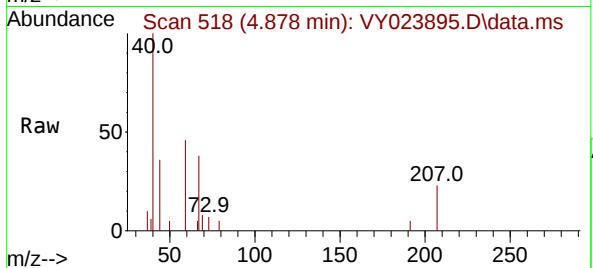




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.878 min Scan# 515
Delta R.T. 0.018 min
Lab File: VY023895.D
Acq: 04 Dec 2025 15:29

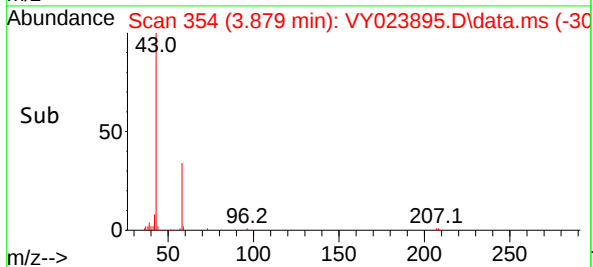
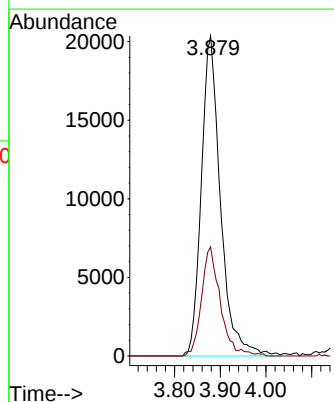
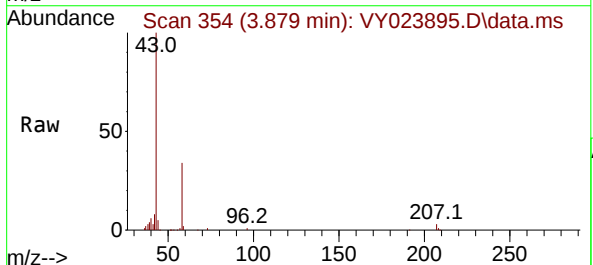
Instrument :
MSVOA_Y
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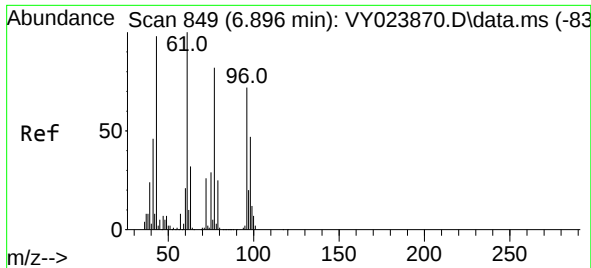
Tgt Ion: 59 Resp: 590
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



#16
Acetone
Concen: 24.561 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY023895.D
Acq: 04 Dec 2025 15:29

Tgt Ion: 43 Resp: 59243
Ion Ratio Lower Upper
43 100
58 34.1 25.1 37.7

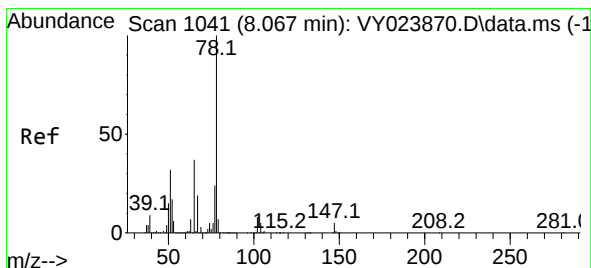
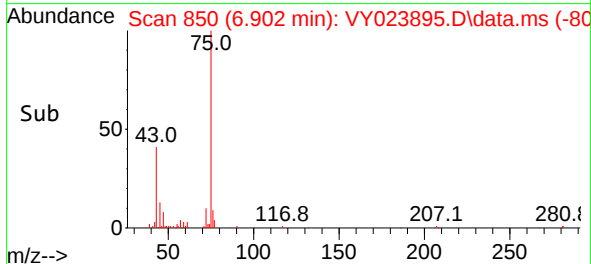
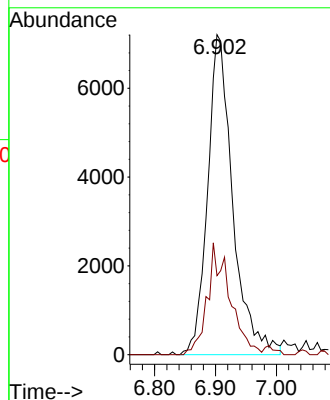
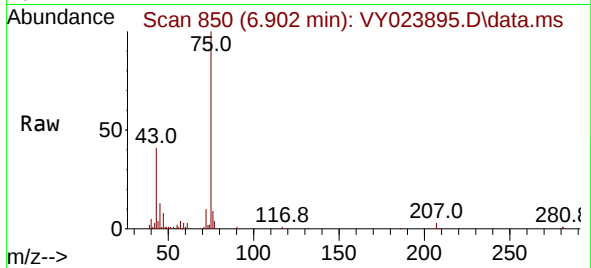




#25
2-Butanone
Concen: 7.113 ug/l
RT: 6.902 min Scan# 81
Delta R.T. 0.006 min
Lab File: VY023895.D
Acq: 04 Dec 2025 15:29

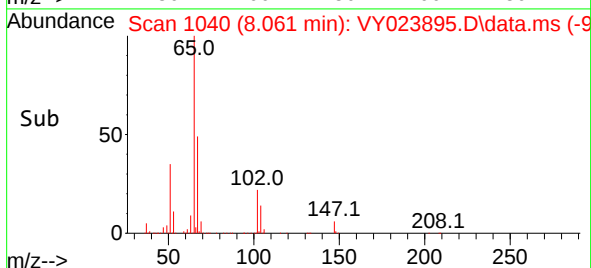
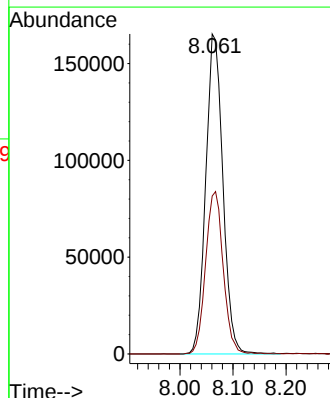
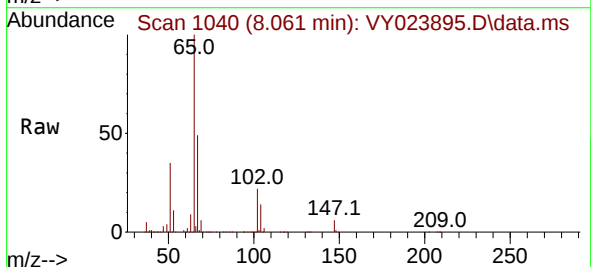
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-2

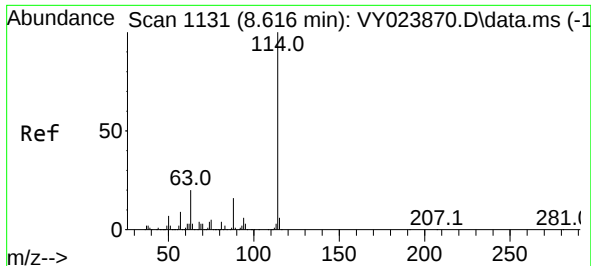
Tgt Ion: 43 Resp: 20683
Ion Ratio Lower Upper
43 100
72 24.7 21.0 31.6



#33
1,2-Dichloroethane-d4
Concen: 46.079 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY023895.D
Acq: 04 Dec 2025 15:29

Tgt Ion: 65 Resp: 370919
Ion Ratio Lower Upper
65 100
67 52.3 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: VY023895.D

Acq: 04 Dec 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

SB-1125-2

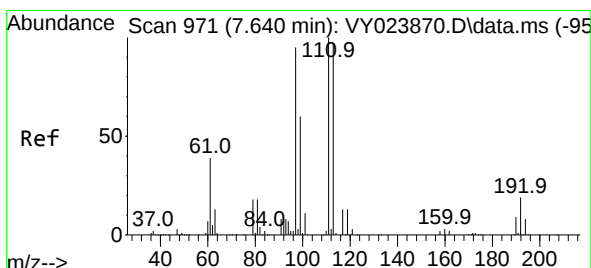
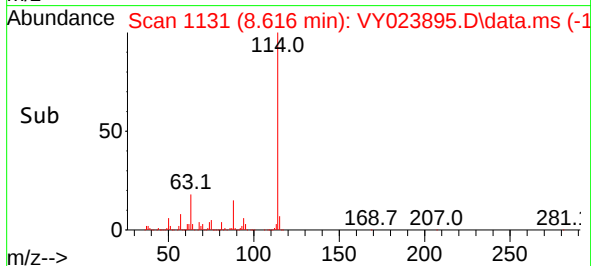
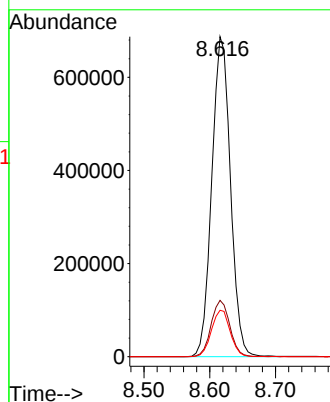
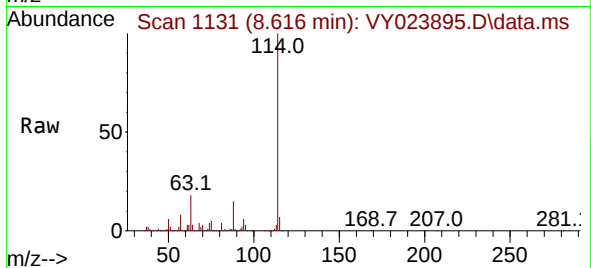
Tgt Ion:114 Resp: 1357896

Ion Ratio Lower Upper

114 100

63 17.6 0.0 39.2

88 14.5 0.0 31.4



#35

Dibromofluoromethane

Concen: 48.739 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY023895.D

Acq: 04 Dec 2025 15:29

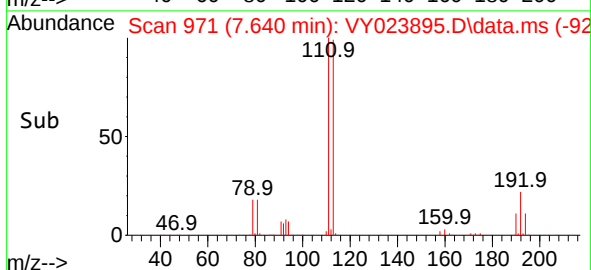
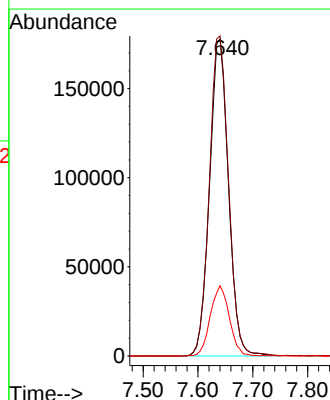
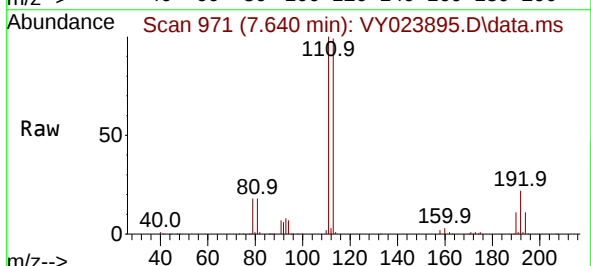
Tgt Ion:113 Resp: 424473

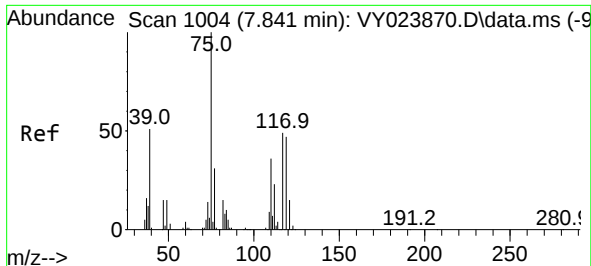
Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.2

192 22.3 15.8 23.8

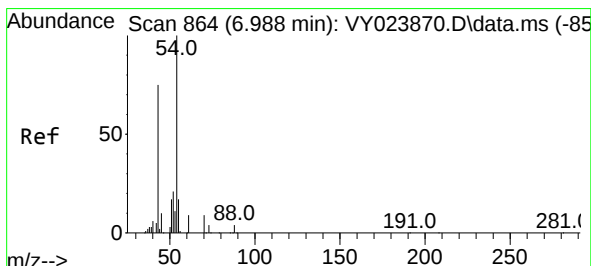
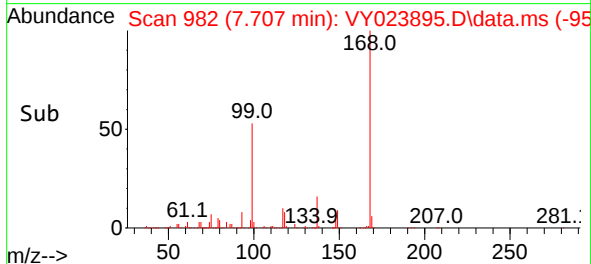
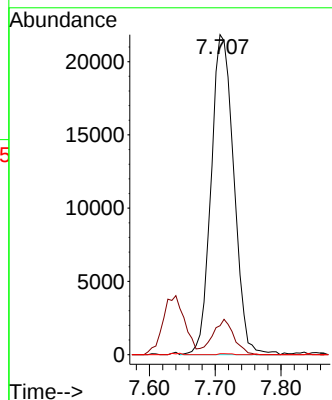
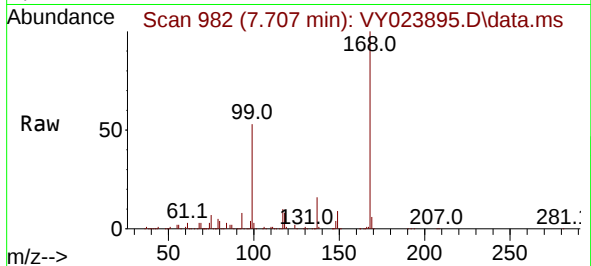




#36
 1,1-Dichloropropene
 Concen: 4.095 ug/l
 RT: 7.707 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VY023895.D
 Acq: 04 Dec 2025 15:29

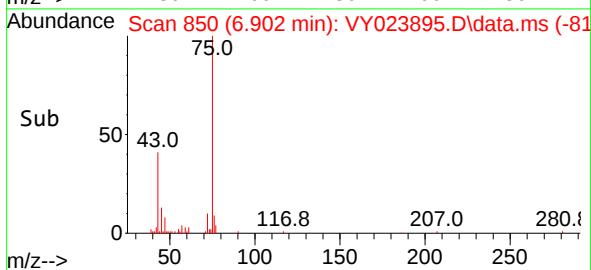
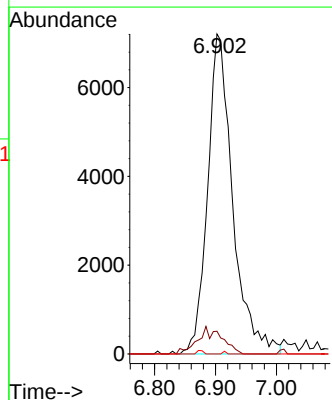
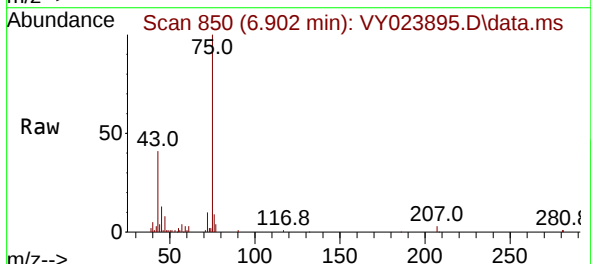
Instrument :
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 SB-1125-2

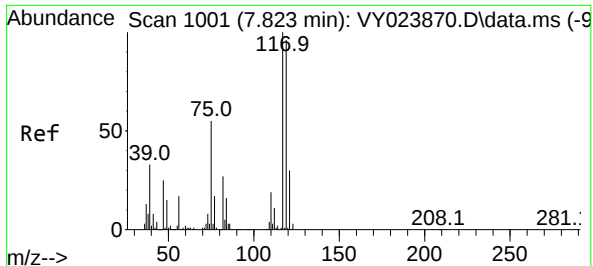
Tgt Ion: 75 Resp: 52591
 Ion Ratio Lower Upper
 75 100
 110 10.2 17.6 52.9#
 77 0.2 24.6 37.0#



#37
 Ethyl Acetate
 Concen: 3.488 ug/l
 RT: 6.902 min Scan# 850
 Delta R.T. -0.085 min
 Lab File: VY023895.D
 Acq: 04 Dec 2025 15:29

Tgt Ion: 43 Resp: 20683
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.0 16.4#
 70 0.1 8.1 12.1#

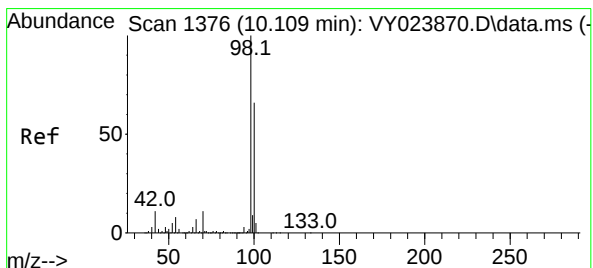
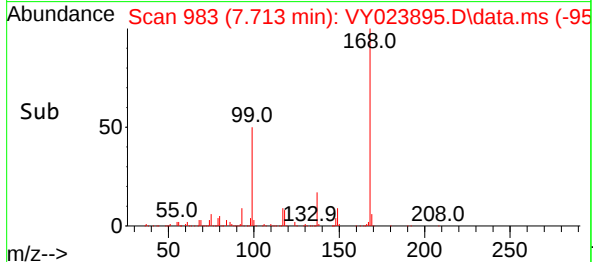
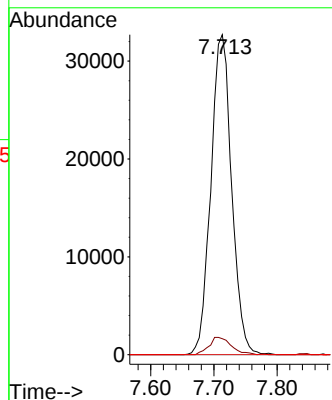
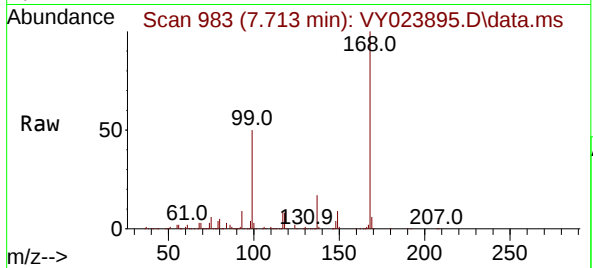




#38
Carbon Tetrachloride
Concen: 5.261 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023895.D
Acq: 04 Dec 2025 15:29

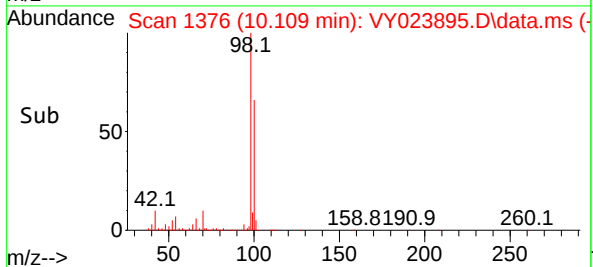
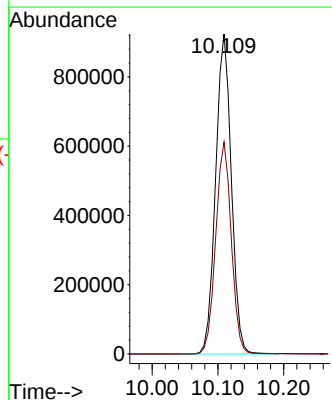
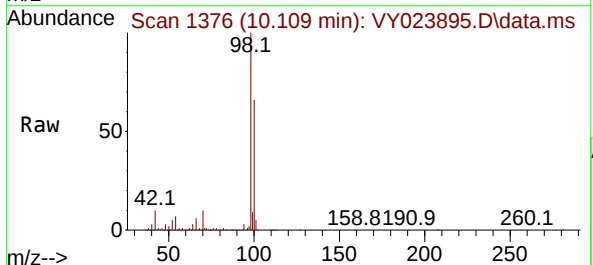
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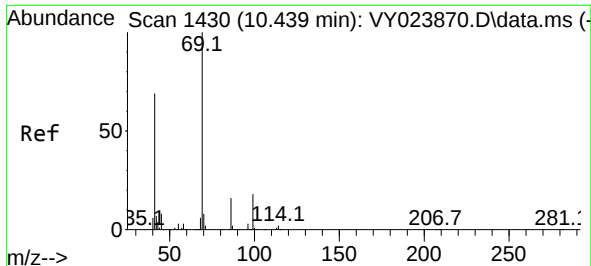
Tgt Ion:117 Resp: 74570
Ion Ratio Lower Upper
117 100
119 5.0 77.0 115.6#
121 0.0 23.9 35.9#



#50
Toluene-d8
Concen: 45.364 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023895.D
Acq: 04 Dec 2025 15:29

Tgt Ion: 98 Resp: 1537439
Ion Ratio Lower Upper
98 100
100 65.8 52.5 78.7

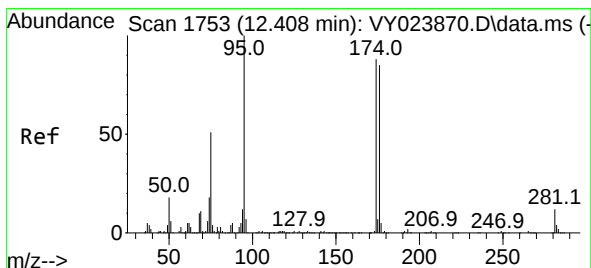
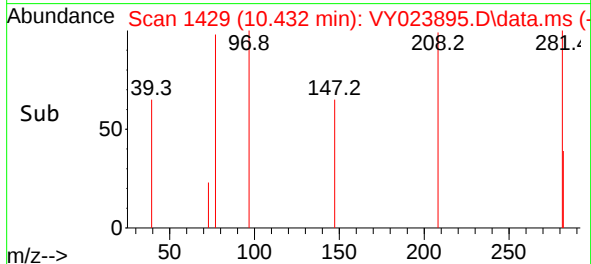
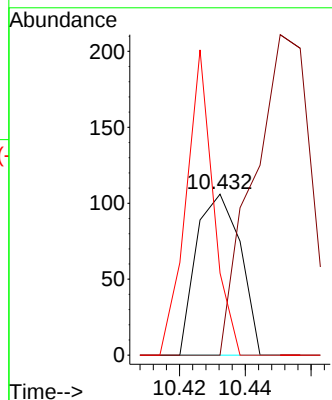
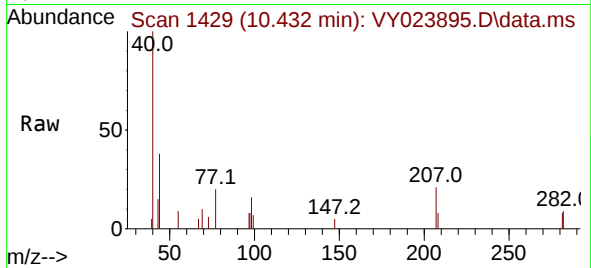




#56
Ethyl methacrylate
Concen: 4.160 ug/l
RT: 10.432 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY023895.D
Acq: 04 Dec 2025 15:29

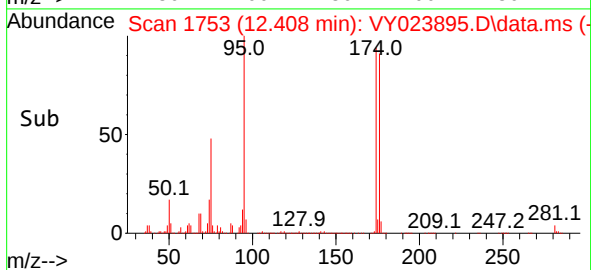
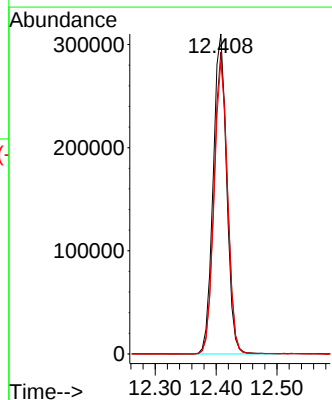
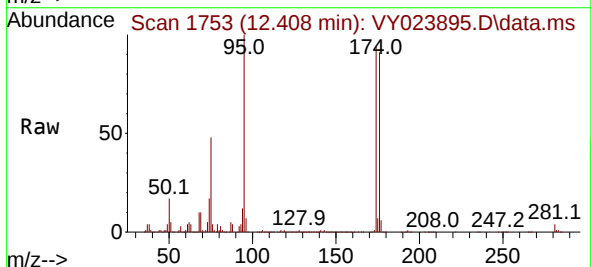
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-2

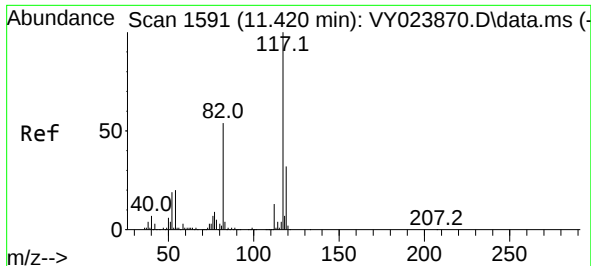
Tgt Ion: 69 Resp: 99
Ion Ratio Lower Upper
69 100
41 0.0 52.5 78.7#
39 117.2 27.1 40.7#



#62
4-Bromofluorobenzene
Concen: 41.093 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY023895.D
Acq: 04 Dec 2025 15:29

Tgt Ion: 95 Resp: 475017
Ion Ratio Lower Upper
95 100
174 94.8 0.0 169.6
176 90.9 0.0 164.4

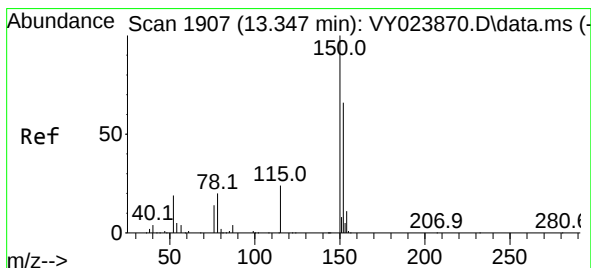
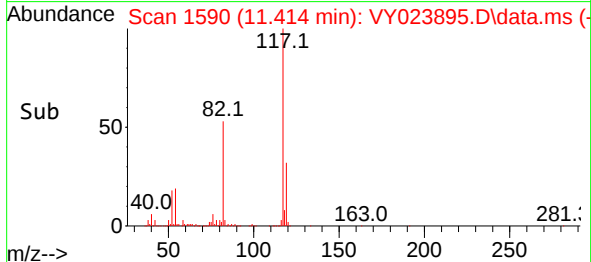
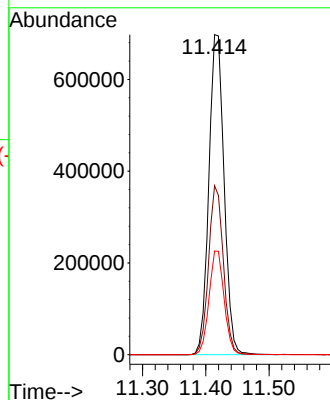
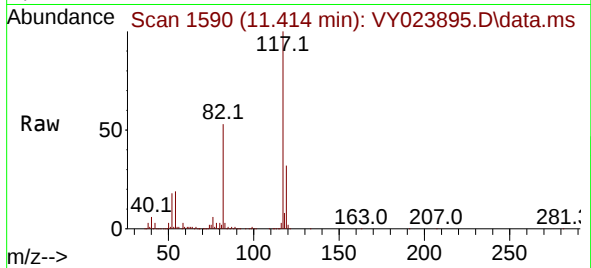




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY023895.D
Acq: 04 Dec 2025 15:29

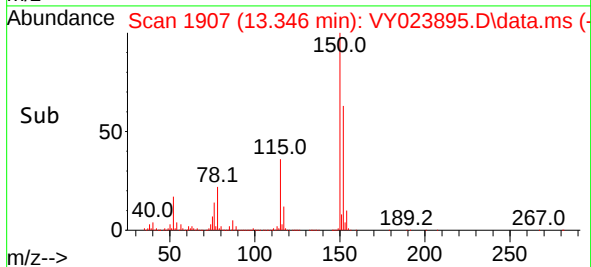
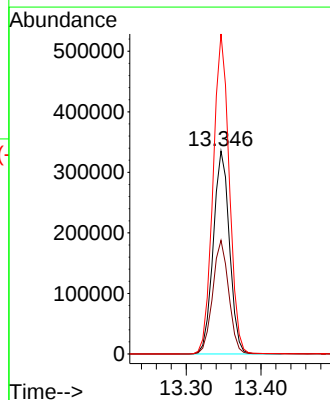
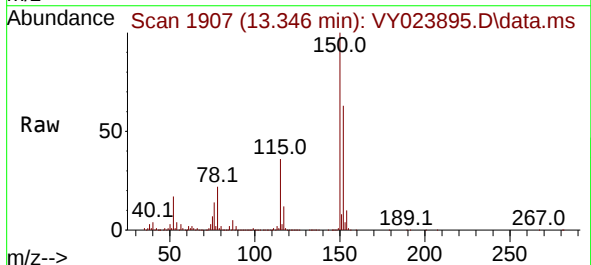
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-2

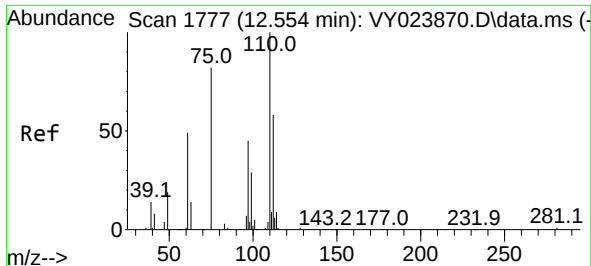
Tgt Ion:117 Resp: 1169651
Ion Ratio Lower Upper
117 100
82 52.8 43.1 64.7
119 32.4 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023895.D
Acq: 04 Dec 2025 15:29

Tgt Ion:152 Resp: 504866
Ion Ratio Lower Upper
152 100
115 55.2 28.8 86.4
150 157.2 0.0 352.2

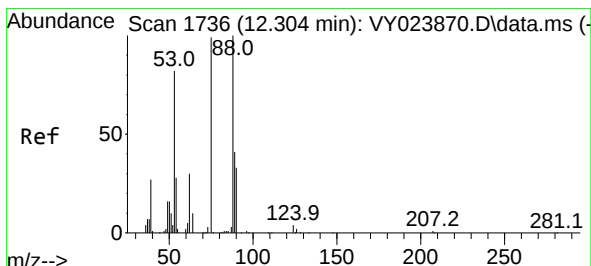
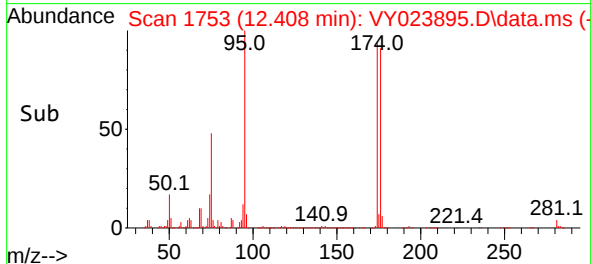
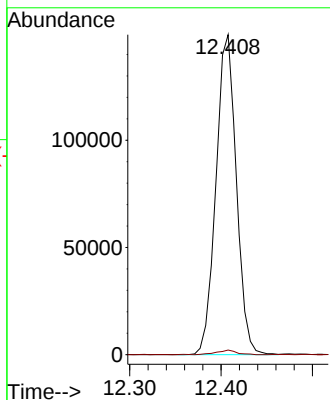
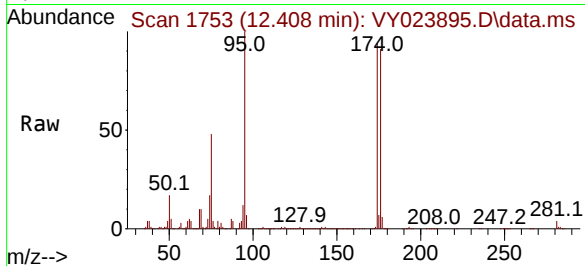




#76
1,2,3-Trichloropropane
Concen: 46.210 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023895.D
Acq: 04 Dec 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-2

Tgt Ion: 75 Resp: 231285
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 110.677 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY023895.D
Acq: 04 Dec 2025 15:29

Tgt Ion: 75 Resp: 231285
Ion Ratio Lower Upper
75 100
53 0.1 71.1 106.7#
89 0.0 36.3 54.5#

