

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
 Data File : VY023889.D
 Acq On : 04 Dec 2025 13:09
 Operator : SY/MD
 Sample : Q3742-17
 Misc : 4.66g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-1125-25

Quant Time: Dec 05 01:46:04 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)

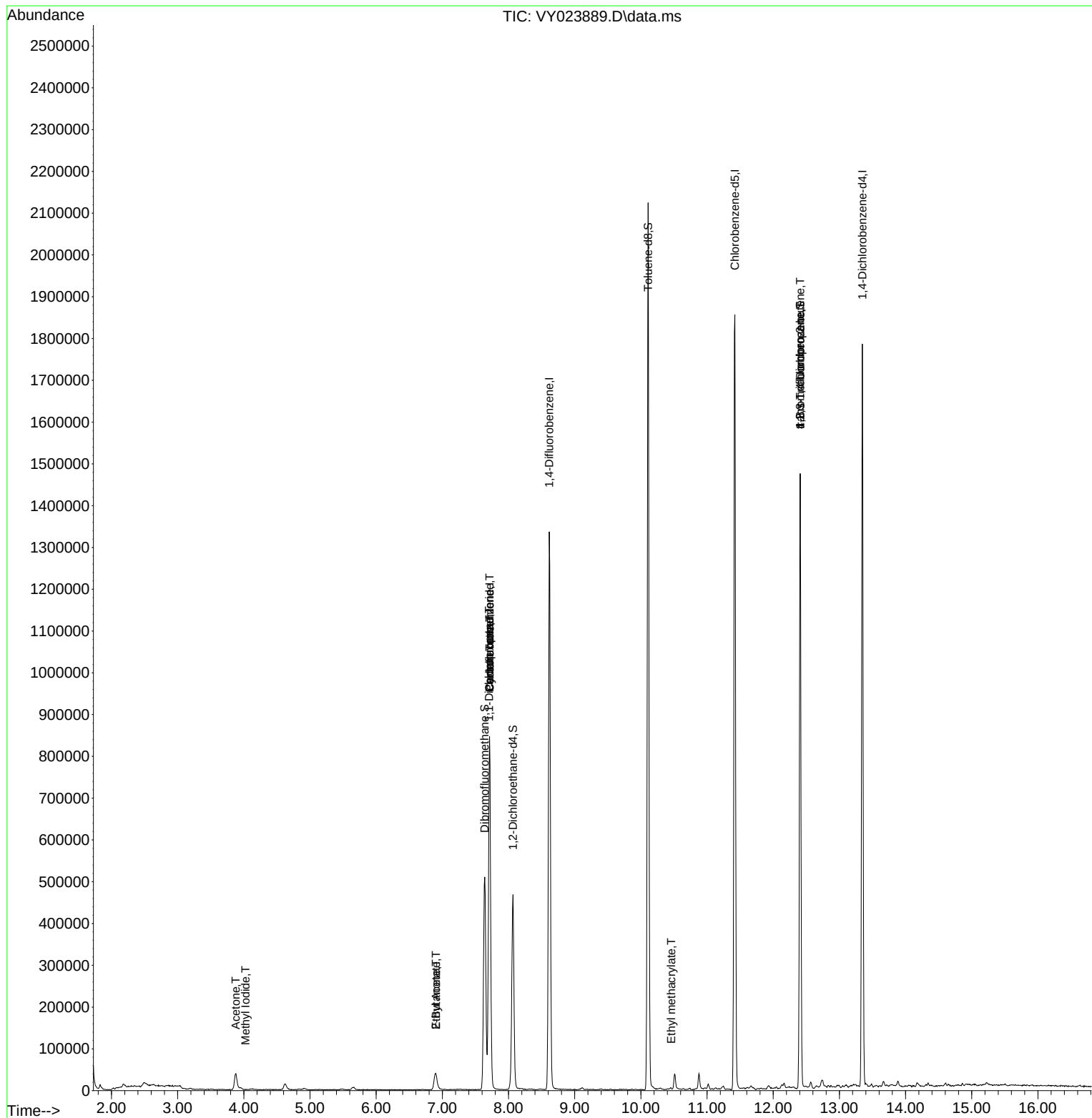
Internal Standards						
1) Pentafluorobenzene	7.713	168	676192	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1168984	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1032423	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	459524	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	362112	53.532	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.060%	
35) Dibromofluoromethane	7.640	113	375395	50.069	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.140%	
50) Toluene-d8	10.109	98	1359016	46.580	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 93.160%	
62) 4-Bromofluorobenzene	12.408	95	429811	43.191	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 86.380%	
Target Compounds						Qvalue
10) Methyl Iodide	4.025	142	259	2.472	ug/l #	84
11) Tert butyl alcohol	4.854	59	421	Below Cal	#	74
16) Acetone	3.879	43	70955	35.006	ug/l	95
20) Methylene Chloride	4.629	84	10524	Below Cal	#	88
25) 2-Butanone	6.903	43	25418	10.402	ug/l	96
31) Cyclohexane	7.713	56	14224	1.123	ug/l #	19
36) 1,1-Dichloropropene	7.707	75	48405	4.378	ug/l #	51
37) Ethyl Acetate	6.903	43	25418	4.979	ug/l #	69
38) Carbon Tetrachloride	7.713	117	63664	5.218	ug/l #	16
56) Ethyl methacrylate	10.457	69	391	4.193	ug/l #	25
76) 1,2,3-Trichloropropane	12.408	75	216501	47.524	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	216501	113.825	ug/l #	14

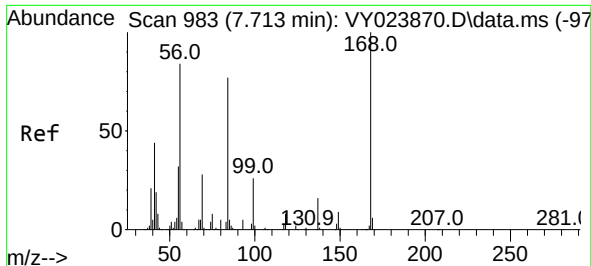
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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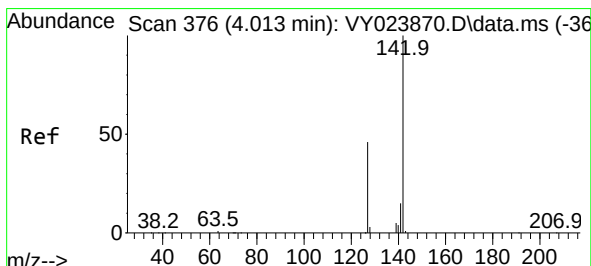
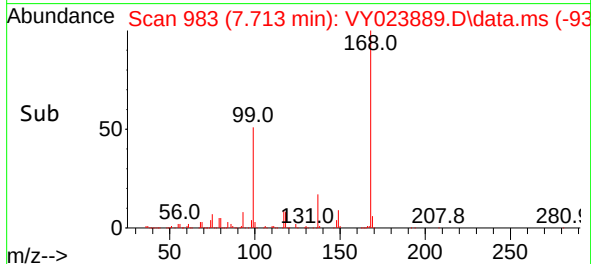
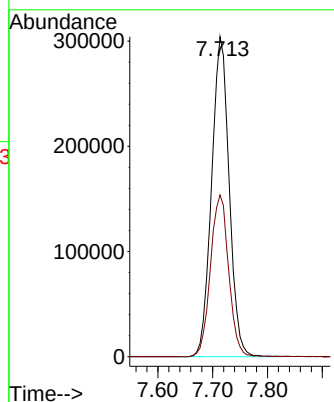
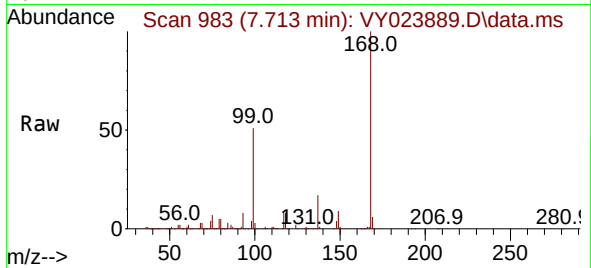




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023889.D
Acq: 04 Dec 2025 13:09

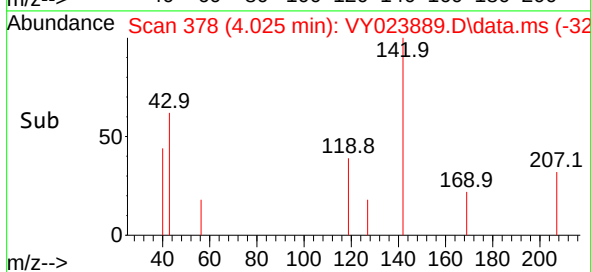
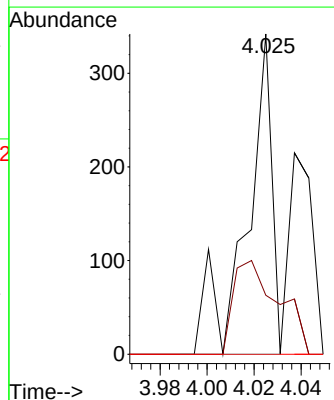
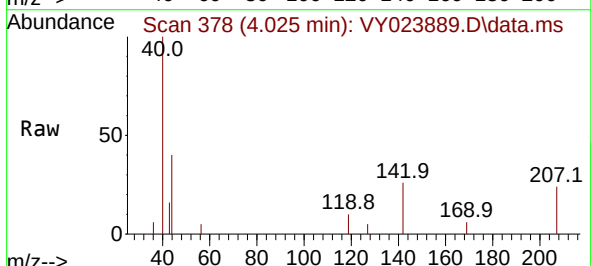
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-25

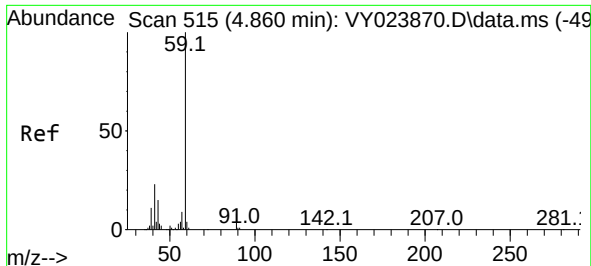
Tgt Ion:168 Resp: 676192
Ion Ratio Lower Upper
168 100
99 50.5 42.5 63.7



#10
Methyl Iodide
Concen: 2.472 ug/l
RT: 4.025 min Scan# 378
Delta R.T. 0.012 min
Lab File: VY023889.D
Acq: 04 Dec 2025 13:09

Tgt Ion:142 Resp: 259
Ion Ratio Lower Upper
142 100
127 51.7 36.1 54.1
141 0.0 11.8 17.8#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.854 min Scan# 515

Delta R.T. -0.006 min

Lab File: VY023889.D

Acq: 04 Dec 2025 13:09

Instrument :

MSVOA_Y

ClientSampleId :

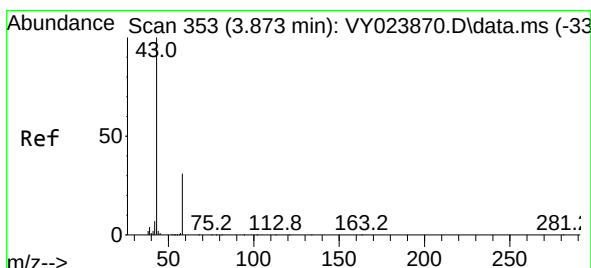
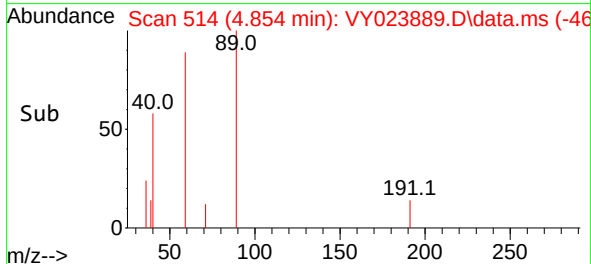
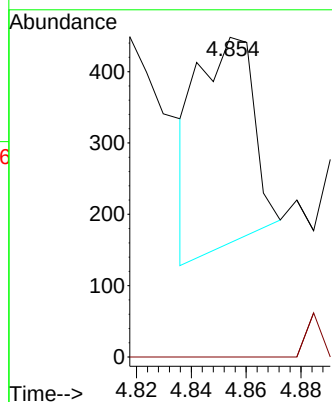
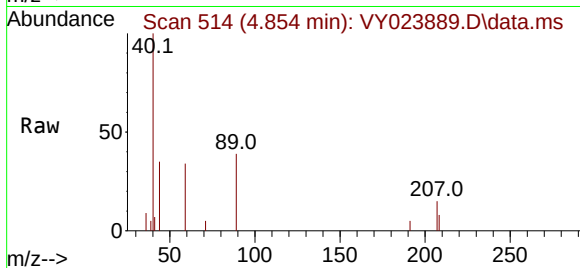
SB-1125-25

Tgt Ion: 59 Resp: 421

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



#16

Acetone

Concen: 35.006 ug/l

RT: 3.879 min Scan# 354

Delta R.T. 0.006 min

Lab File: VY023889.D

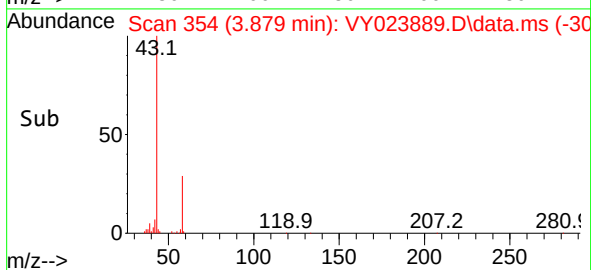
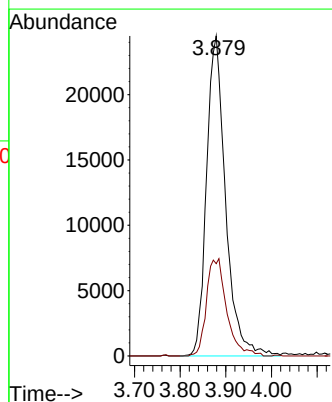
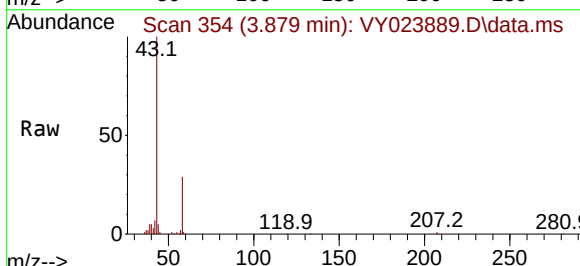
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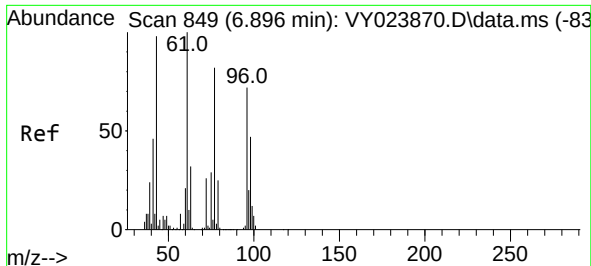
Tgt Ion: 43 Resp: 70955

Ion Ratio Lower Upper

43 100

58 28.8 25.1 37.7

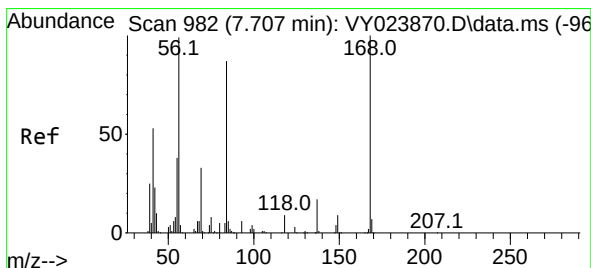
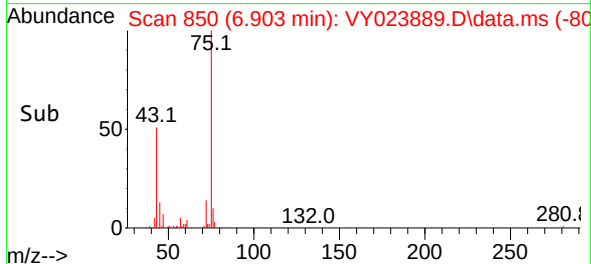
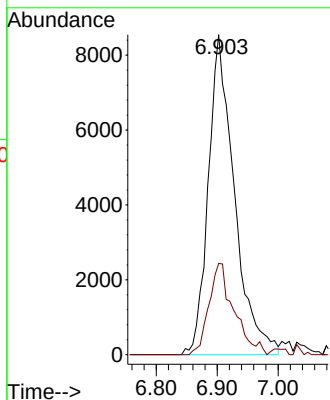
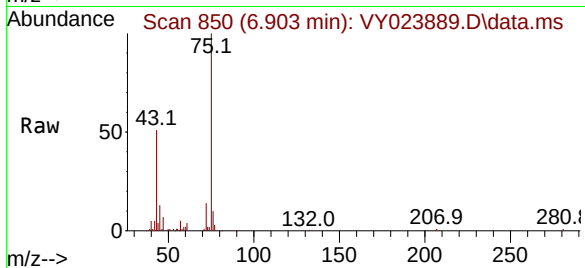




#25
2-Butanone
Concen: 10.402 ug/l
RT: 6.903 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY023889.D
Acq: 04 Dec 2025 13:09

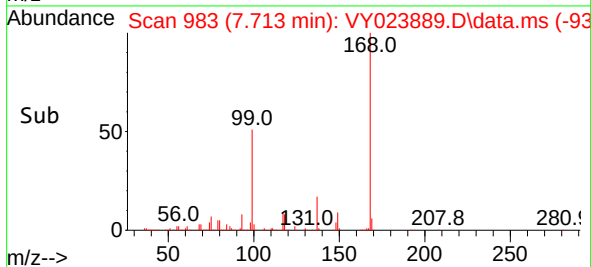
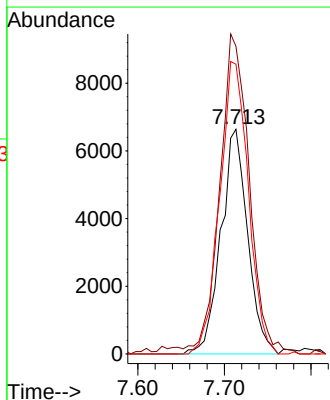
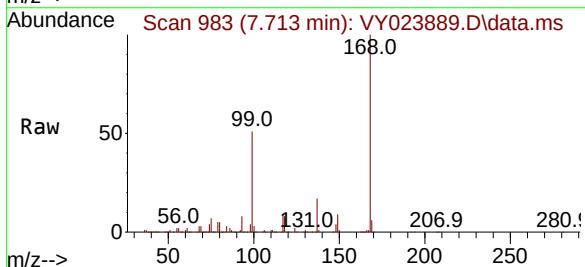
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-25

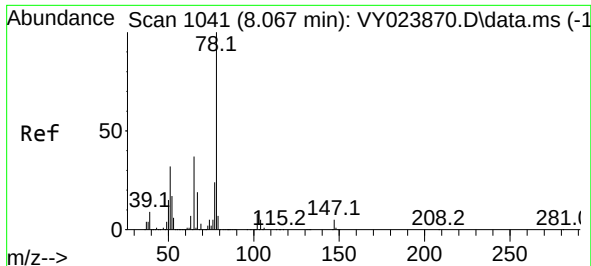
Tgt Ion: 43 Resp: 25418
Ion Ratio Lower Upper
43 100
72 28.5 21.0 31.6



#31
Cyclohexane
Concen: 1.123 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023889.D
Acq: 04 Dec 2025 13:09

Tgt Ion: 56 Resp: 14224
Ion Ratio Lower Upper
56 100
69 133.9 26.8 40.2#
84 129.0 70.4 105.6#





#33

1,2-Dichloroethane-d4

Concen: 53.532 ug/l

RT: 8.067 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY023889.D

Acq: 04 Dec 2025 13:09

Instrument :

MSVOA_Y

ClientSampleId :

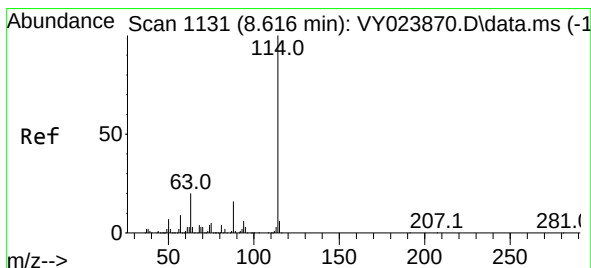
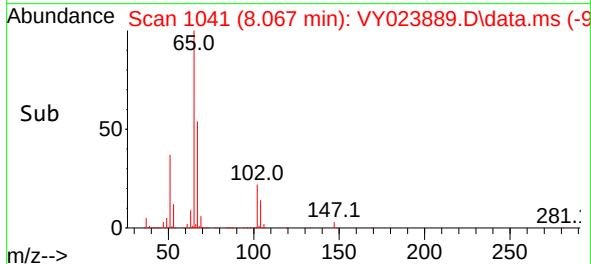
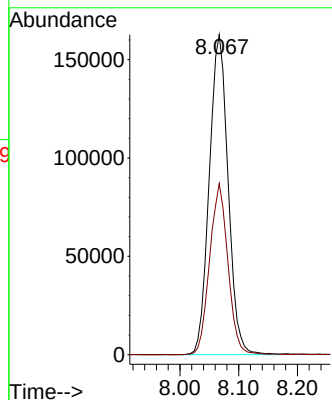
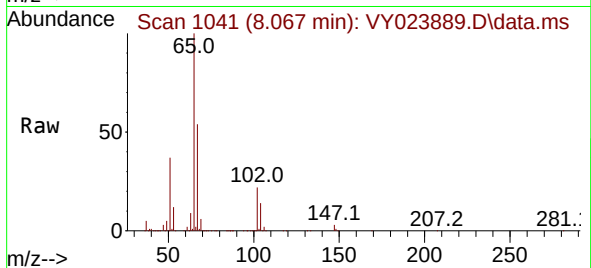
SB-1125-25

Tgt Ion: 65 Resp: 362112

Ion Ratio Lower Upper

65 100

67 52.1 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: VY023889.D

Acq: 04 Dec 2025 13:09

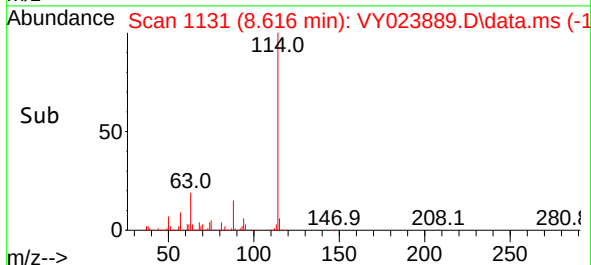
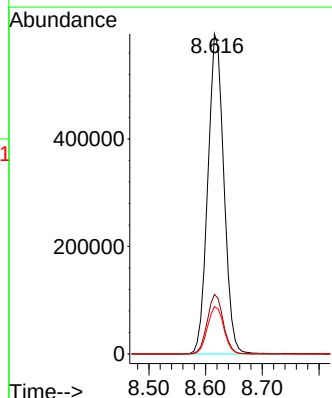
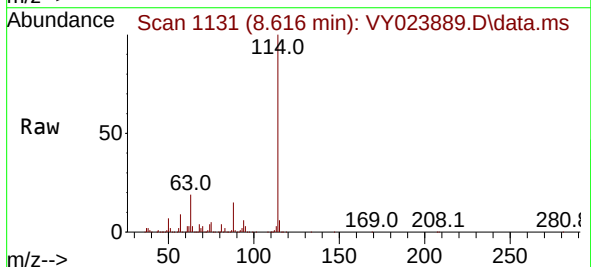
Tgt Ion: 114 Resp: 1168984

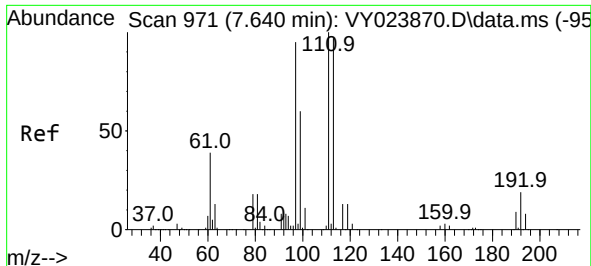
Ion Ratio Lower Upper

114 100

63 18.6 0.0 39.2

88 14.8 0.0 31.4

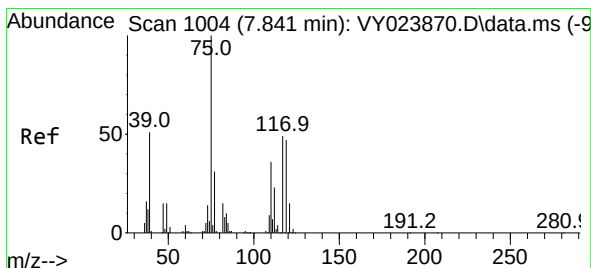
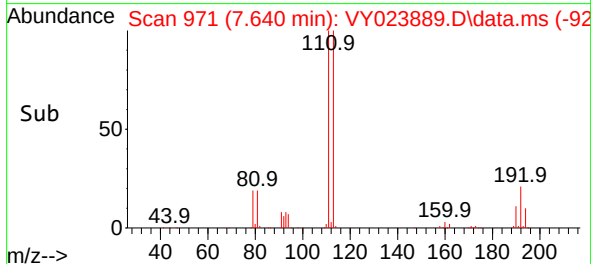
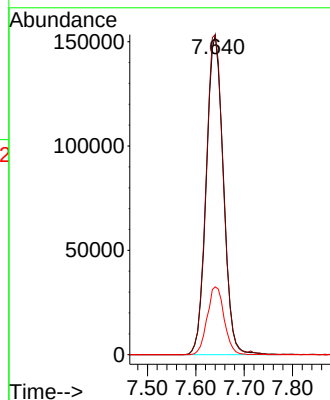
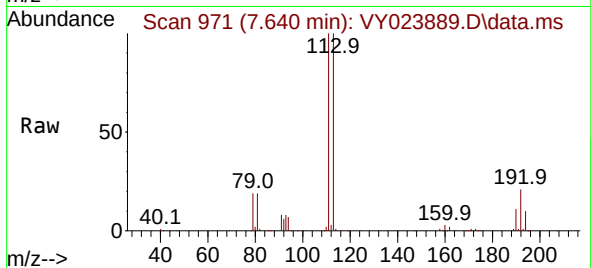




#35
Dibromofluoromethane
Concen: 50.069 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023889.D
Acq: 04 Dec 2025 13:09

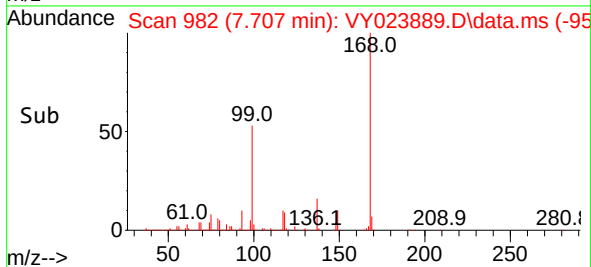
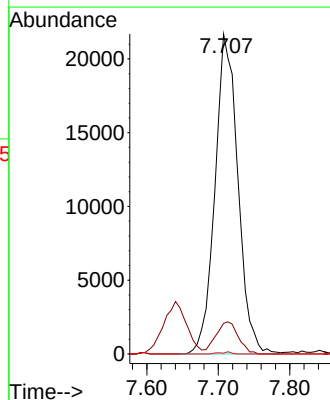
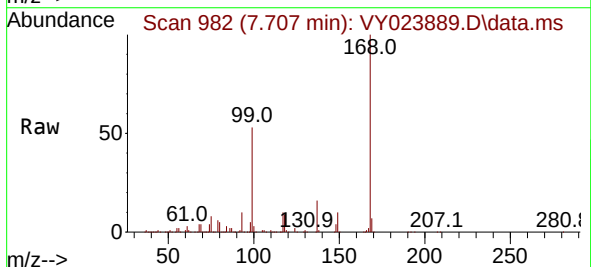
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SB-1125-25

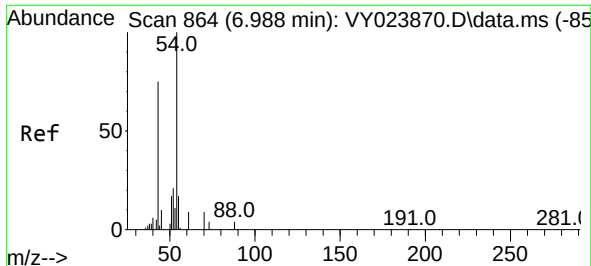
Tgt Ion:113 Resp: 375395
Ion Ratio Lower Upper
113 100
111 101.2 82.2 123.2
192 21.1 15.8 23.8



#36
1,1-Dichloropropene
Concen: 4.378 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY023889.D
Acq: 04 Dec 2025 13:09

Tgt Ion: 75 Resp: 48405
Ion Ratio Lower Upper
75 100
110 9.9 17.6 52.9#
77 0.3 24.6 37.0#

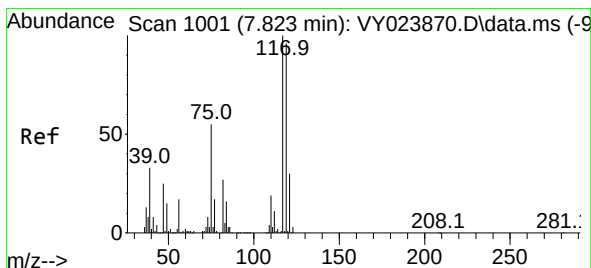
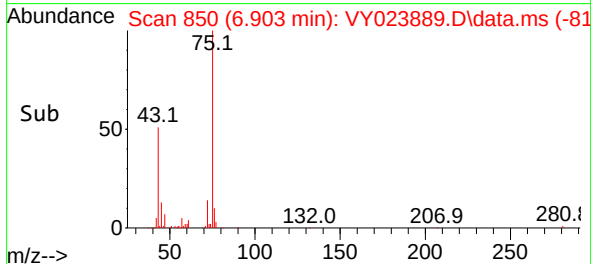
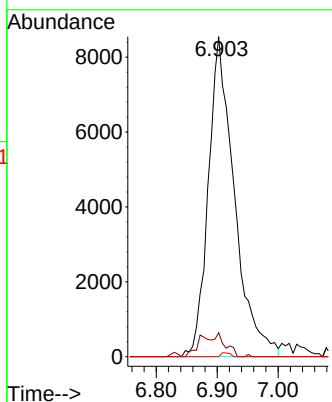
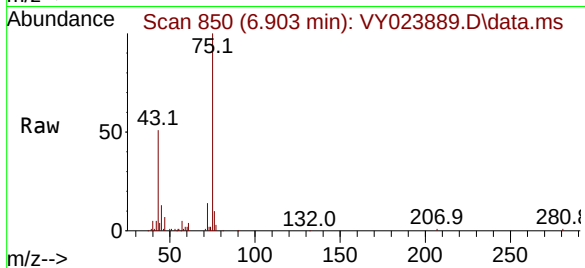




#37
Ethyl Acetate
Concen: 4.979 ug/l
RT: 6.903 min Scan# 81
Delta R.T. -0.085 min
Lab File: VY023889.D
Acq: 04 Dec 2025 13:09

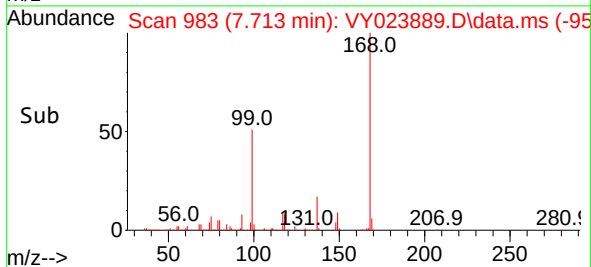
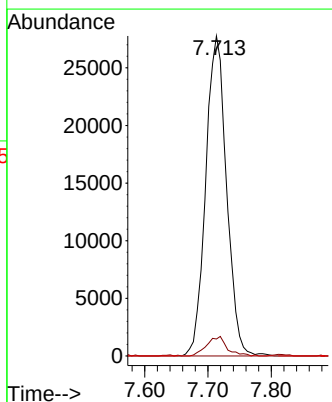
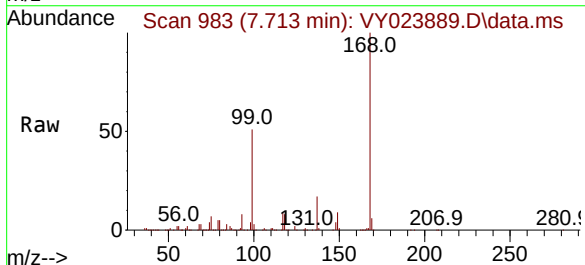
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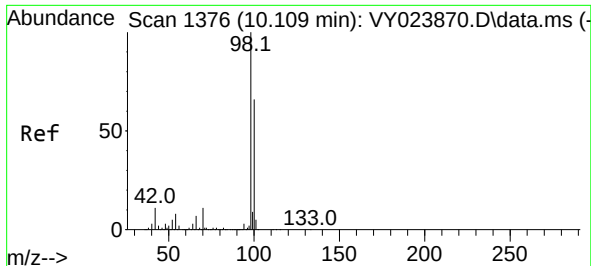
Tgt Ion: 43 Resp: 25418
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.4#
70 0.4 8.1 12.1#



#38
Carbon Tetrachloride
Concen: 5.218 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.110 min
Lab File: VY023889.D
Acq: 04 Dec 2025 13:09

Tgt Ion: 117 Resp: 63664
Ion Ratio Lower Upper
117 100
119 5.1 77.0 115.6#
121 0.0 23.9 35.9#

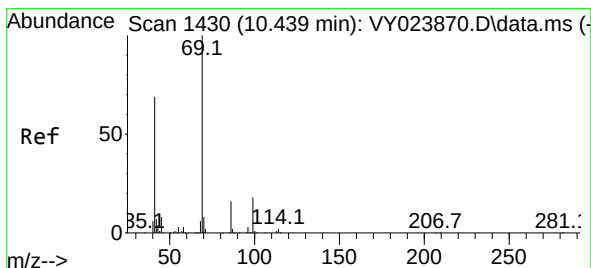
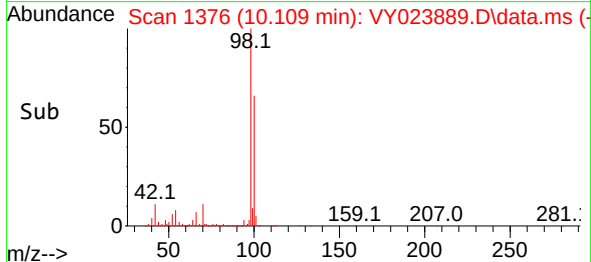
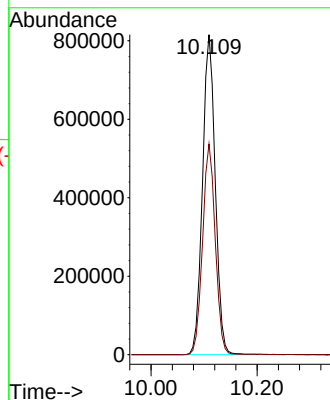
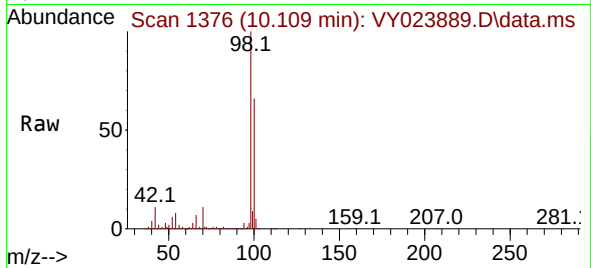




#50
Toluene-d8
Concen: 46.580 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023889.D
Acq: 04 Dec 2025 13:09

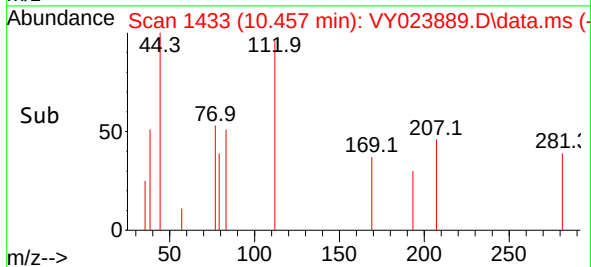
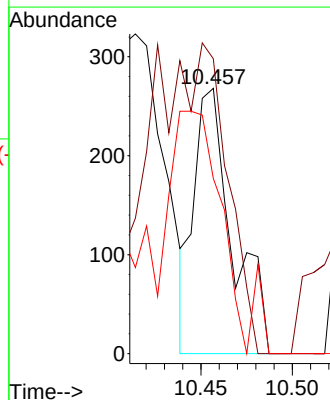
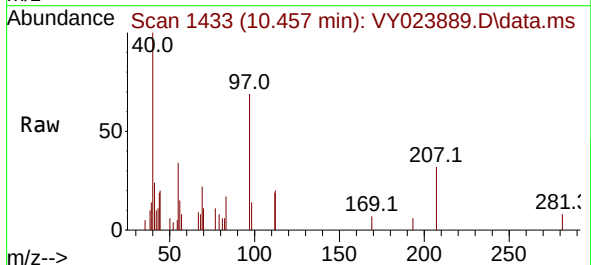
Instrument :
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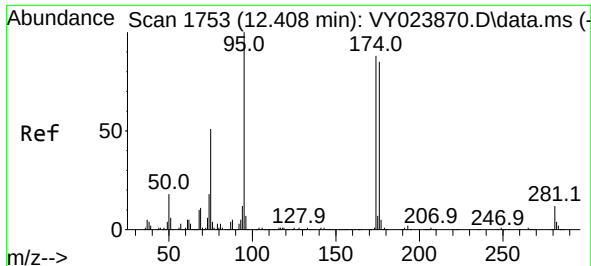
Tgt Ion: 98 Resp: 1359016
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7



#56
Ethyl methacrylate
Concen: 4.193 ug/l
RT: 10.457 min Scan# 1433
Delta R.T. 0.018 min
Lab File: VY023889.D
Acq: 04 Dec 2025 13:09

Tgt Ion: 69 Resp: 391
Ion Ratio Lower Upper
69 100
41 0.0 52.5 78.7#
39 0.0 27.1 40.7#

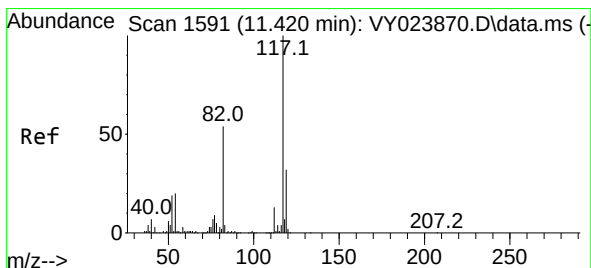
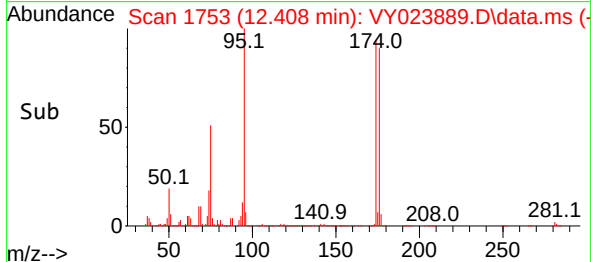
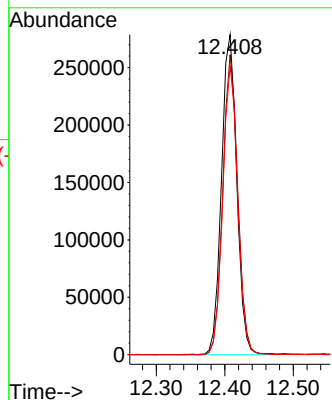
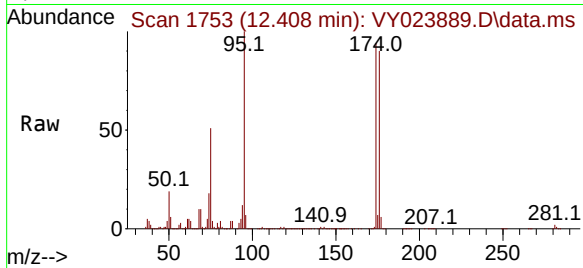




#62
4-Bromofluorobenzene
Concen: 43.191 ug/l
RT: 12.408 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023889.D
Acq: 04 Dec 2025 13:09

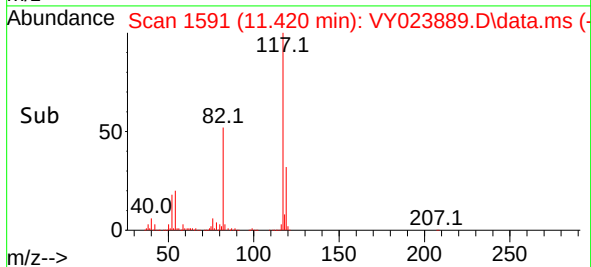
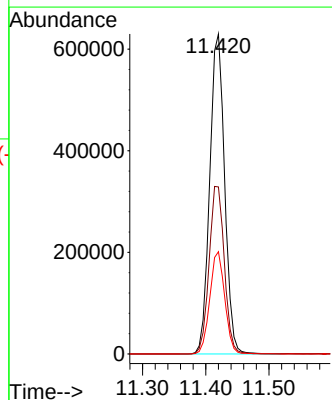
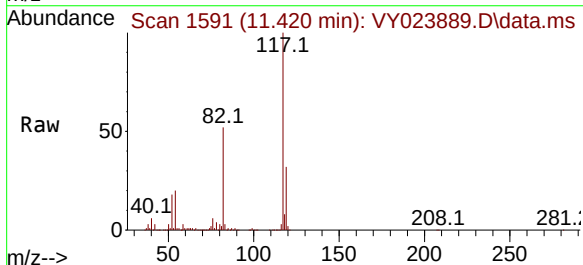
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-25

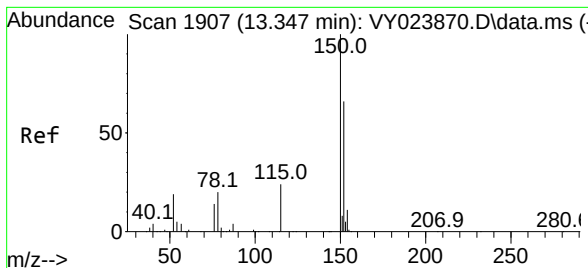
Tgt Ion: 95 Resp: 429811
Ion Ratio Lower Upper
95 100
174 92.3 0.0 169.6
176 88.8 0.0 164.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY023889.D
Acq: 04 Dec 2025 13:09

Tgt Ion: 117 Resp: 1032423
Ion Ratio Lower Upper
117 100
82 52.2 43.1 64.7
119 31.9 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: VY023889.D

Acq: 04 Dec 2025 13:09

Instrument :

MSVOA_Y

ClientSampleId :

SB-1125-25

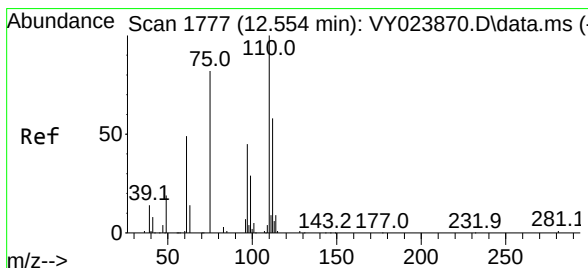
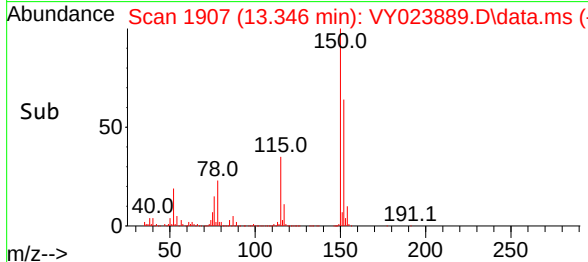
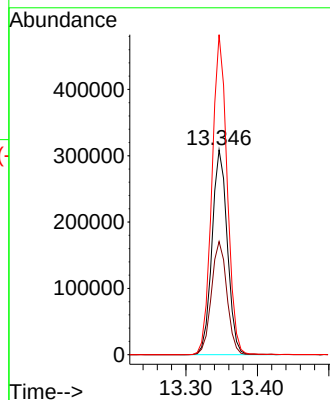
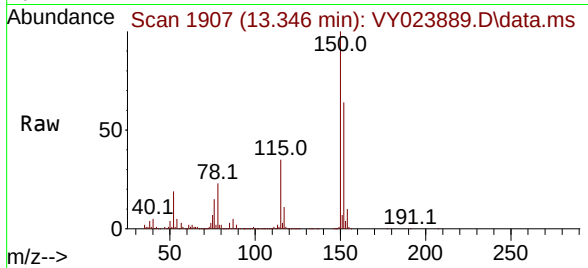
Tgt Ion:152 Resp: 459524

Ion Ratio Lower Upper

152 100

115 55.9 28.8 86.4

150 155.2 0.0 352.2



#76

1,2,3-Trichloropropane

Concen: 47.524 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023889.D

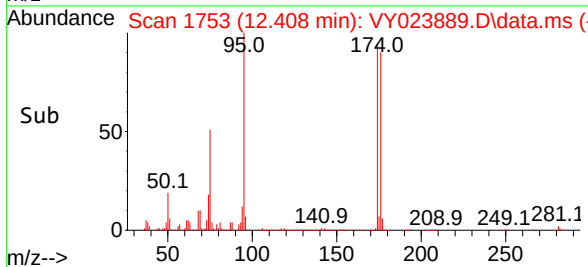
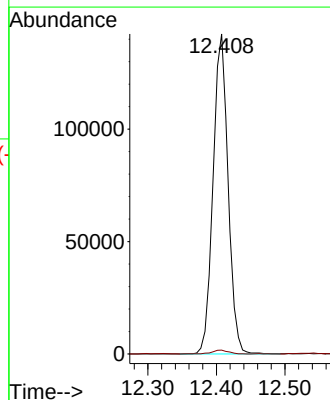
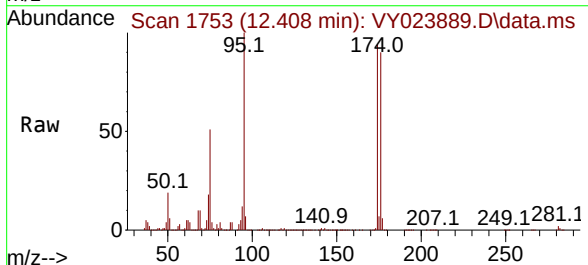
Acq: 04 Dec 2025 13:09

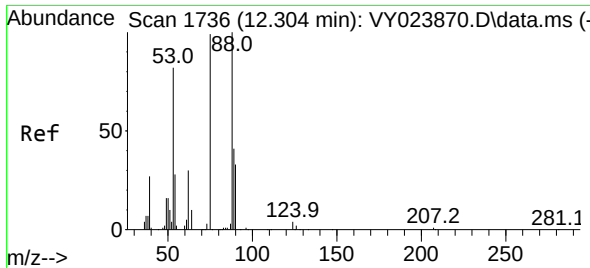
Tgt Ion: 75 Resp: 216501

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 113.825 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023889.D
 Acq: 04 Dec 2025 13:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-1125-25

Tgt Ion: 75 Resp: 216501
 Ion Ratio Lower Upper
 75 100
 53 0.2 71.1 106.7#
 89 0.0 36.3 54.5#

