

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
 Data File : VY023844.D
 Acq On : 01 Dec 2025 15:33
 Operator : SY/MD
 Sample : Q3742-02
 Misc : 3.44g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-1125-19

Quant Time: Dec 02 03:18:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 27 01:14:36 2025
 Response via : Initial Calibration

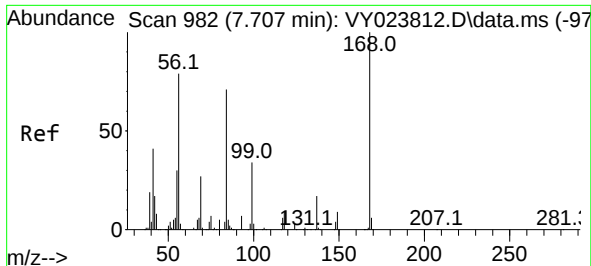
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.713	168	639201	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1174775	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1006083	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	405217	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	377039	60.570	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.140%	
35) Dibromofluoromethane	7.634	113	371962	53.449	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.900%	
50) Toluene-d8	10.109	98	1404094	50.796	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.600%	
62) 4-Bromofluorobenzene	12.408	95	403666	44.382	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.760%	
Target Compounds						Qvalue
16) Acetone	3.873	43	37474	20.895	ug/l	99
20) Methylene Chloride	4.616	84	11604	1.530	ug/l	98
25) 2-Butanone	6.896	43	15064	6.883	ug/l	100
31) Cyclohexane	7.707	56	12989	1.085	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	48179	4.515	ug/l #	50
37) Ethyl Acetate	6.896	43	15064	3.001	ug/l #	85
38) Carbon Tetrachloride	7.707	117	63727	5.441	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	212766	60.379	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	212766	127.623	ug/l #	14

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

Quant Time: Dec 02 03:18:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
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Response via : Initial Calibration

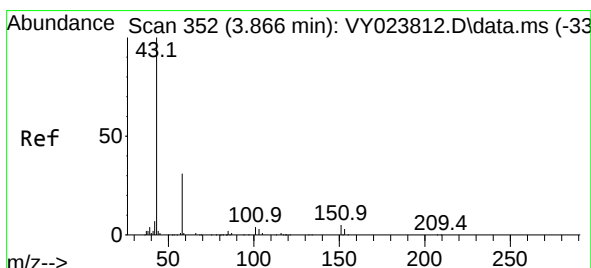
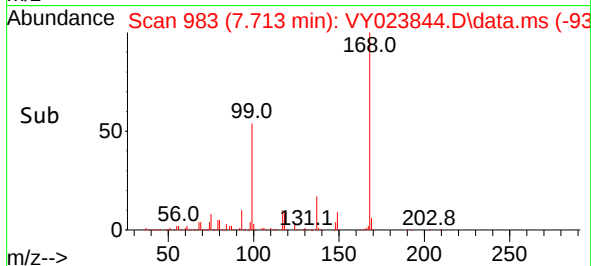
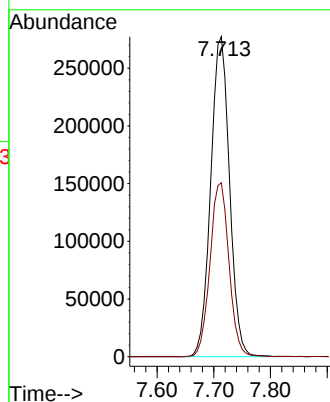
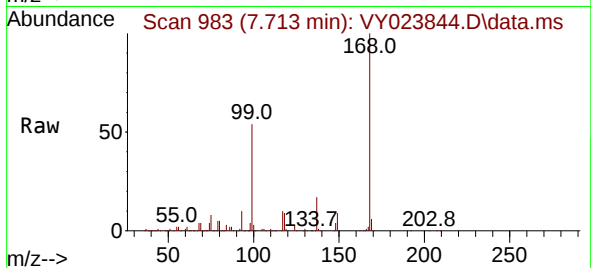




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023844.D
Acq: 01 Dec 2025 15:33

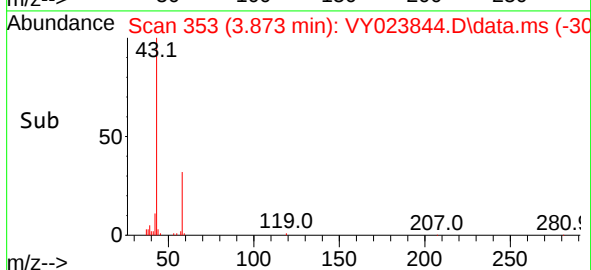
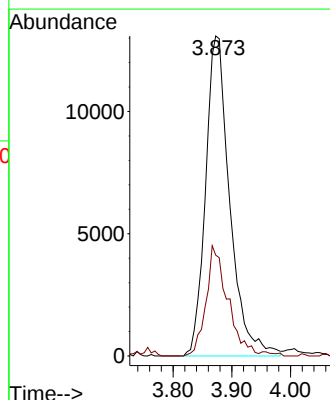
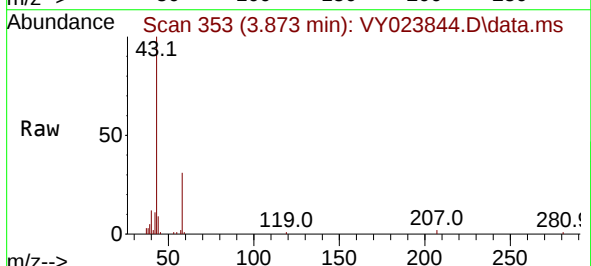
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-19

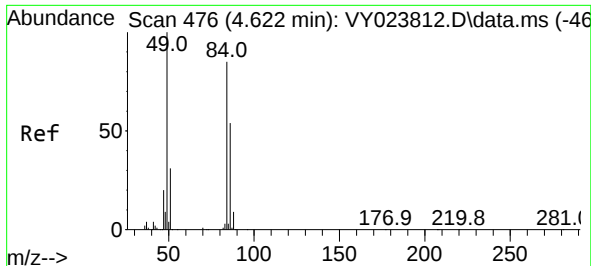
Tgt Ion:168 Resp: 639201
Ion Ratio Lower Upper
168 100
99 54.3 44.0 66.0



#16
Acetone
Concen: 20.895 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023844.D
Acq: 01 Dec 2025 15:33

Tgt Ion: 43 Resp: 37474
Ion Ratio Lower Upper
43 100
58 31.5 25.4 38.2

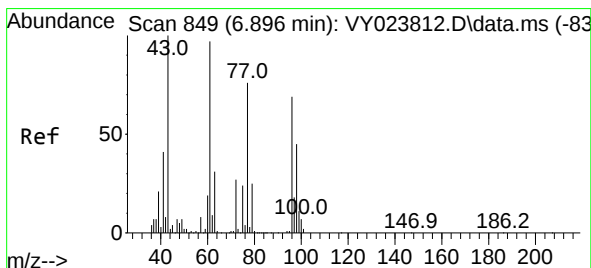
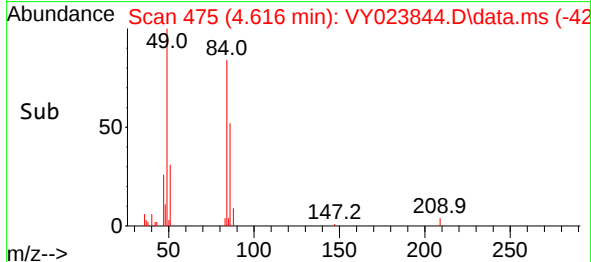
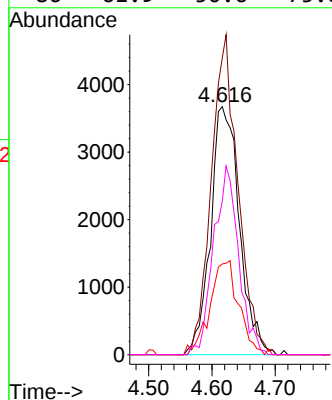
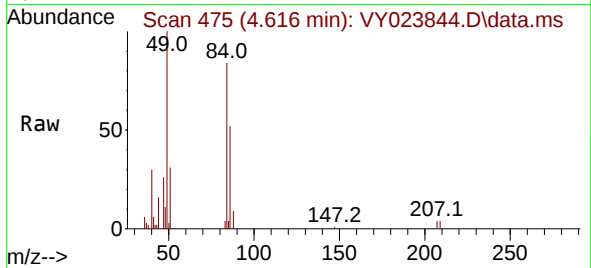




#20
Methylene Chloride
Concen: 1.530 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY023844.D
Acq: 01 Dec 2025 15:33

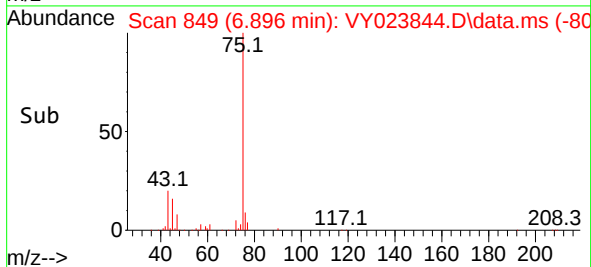
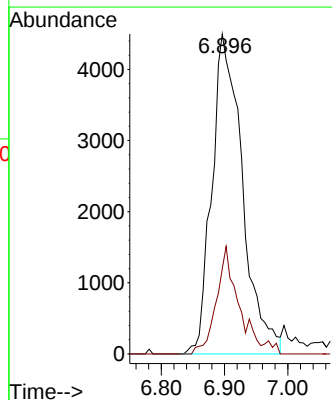
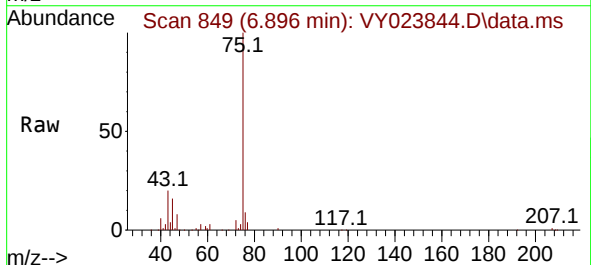
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-19

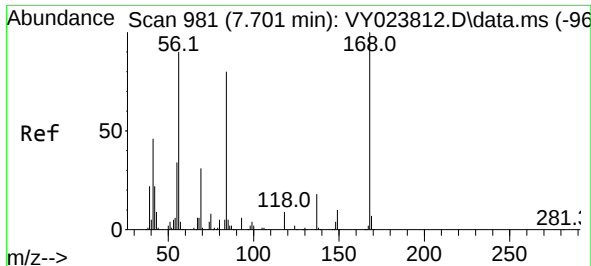
Tgt Ion:	84	Resp:	11604
Ion	Ratio	Lower	Upper
84	100		
49	119.6	94.0	141.0
51	36.6	29.2	43.8
86	61.9	50.6	75.8



#25
2-Butanone
Concen: 6.883 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY023844.D
Acq: 01 Dec 2025 15:33

Tgt Ion:	43	Resp:	15064
Ion	Ratio	Lower	Upper
43	100		
72	26.7	21.3	31.9

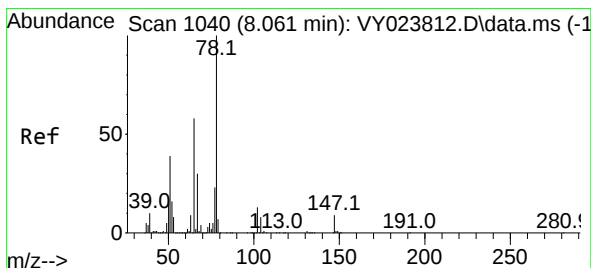
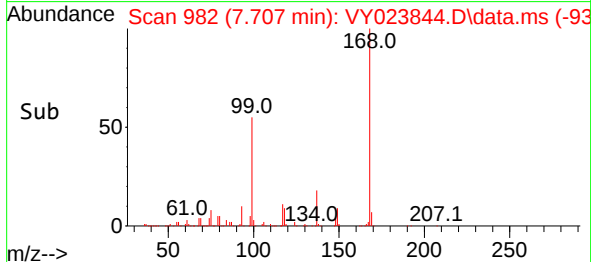
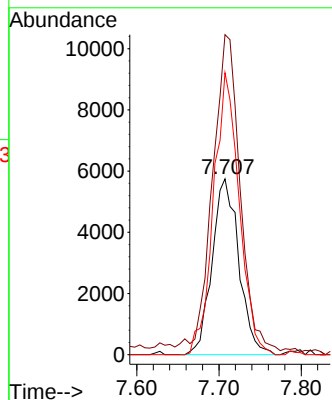
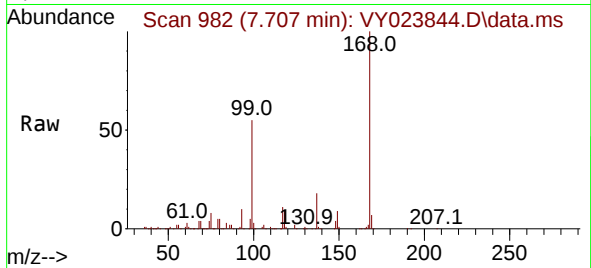




#31
Cyclohexane
Concen: 1.085 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023844.D
Acq: 01 Dec 2025 15:33

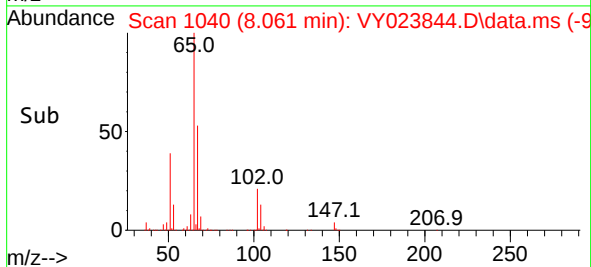
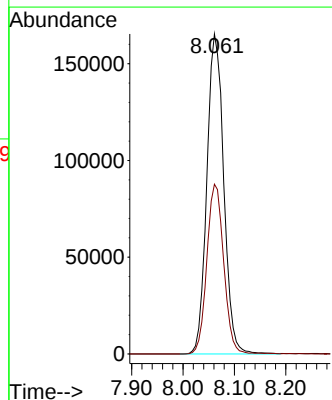
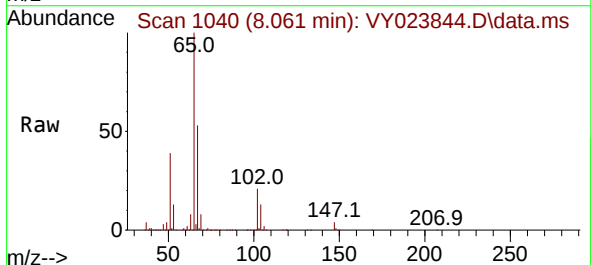
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-19

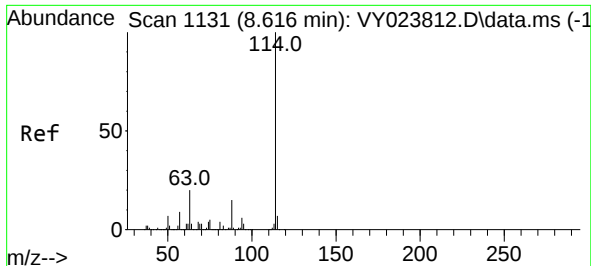
Tgt Ion: 56 Resp: 12989
Ion Ratio Lower Upper
56 100
69 179.7 27.8 41.6#
84 160.4 71.8 107.8#



#33
1,2-Dichloroethane-d4
Concen: 60.570 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023844.D
Acq: 01 Dec 2025 15:33

Tgt Ion: 65 Resp: 377039
Ion Ratio Lower Upper
65 100
67 53.1 0.0 107.4

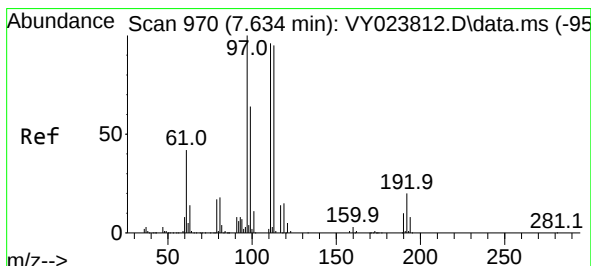
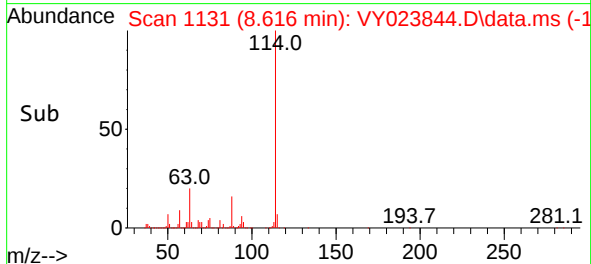
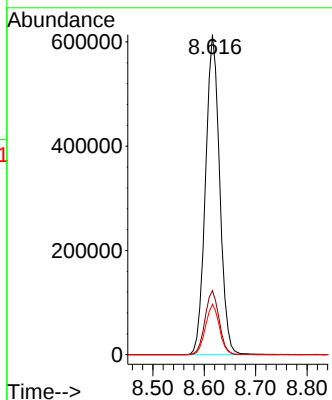
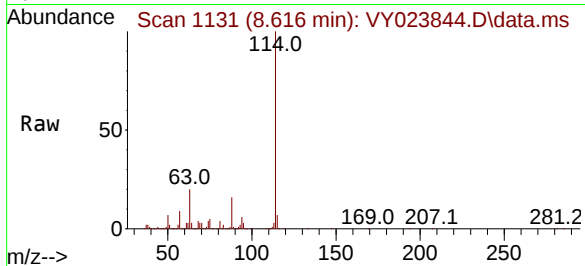




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023844.D
Acq: 01 Dec 2025 15:33

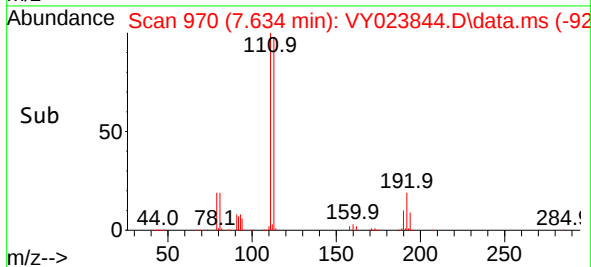
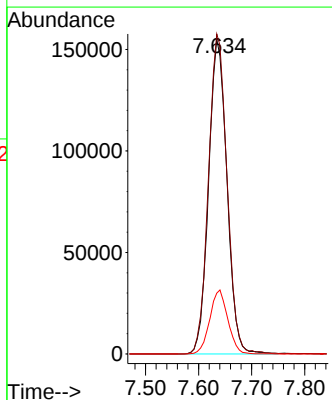
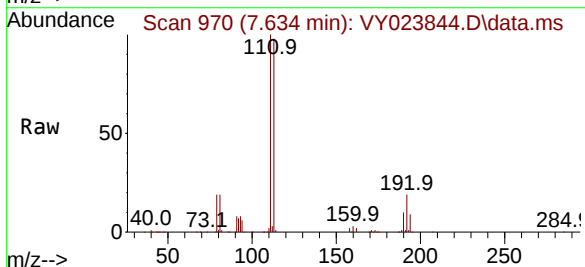
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-19

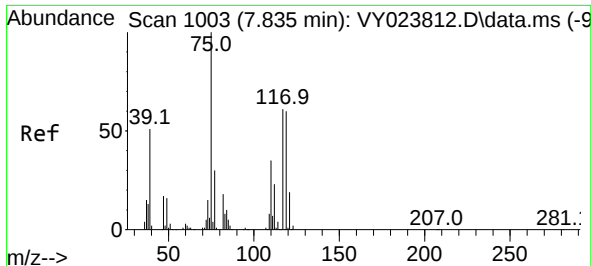
Tgt Ion:114 Resp: 1174775
Ion Ratio Lower Upper
114 100
63 20.0 0.0 39.4
88 15.7 0.0 30.8



#35
Dibromofluoromethane
Concen: 53.449 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023844.D
Acq: 01 Dec 2025 15:33

Tgt Ion:113 Resp: 371962
Ion Ratio Lower Upper
113 100
111 103.1 81.4 122.0
192 20.0 15.8 23.8

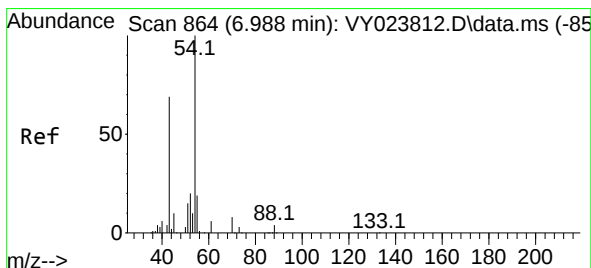
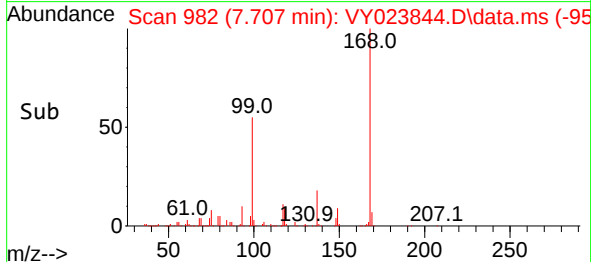
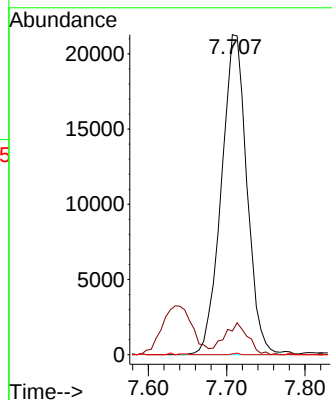
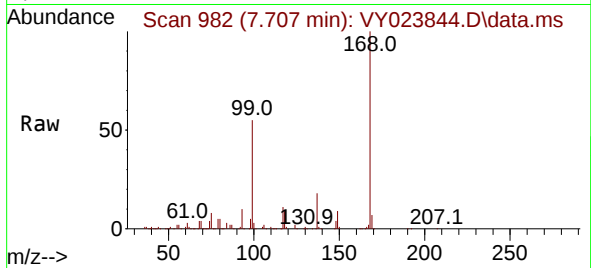




#36
 1,1-Dichloropropene
 Concen: 4.515 ug/l
 RT: 7.707 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY023844.D
 Acq: 01 Dec 2025 15:33

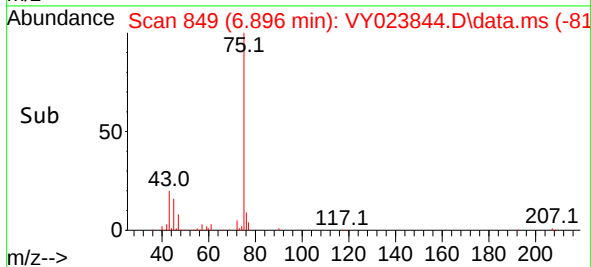
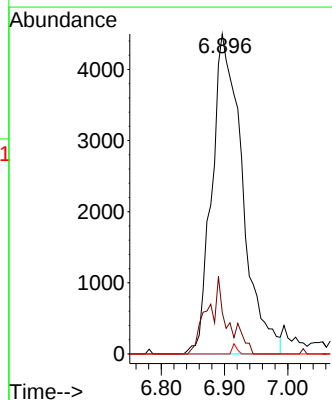
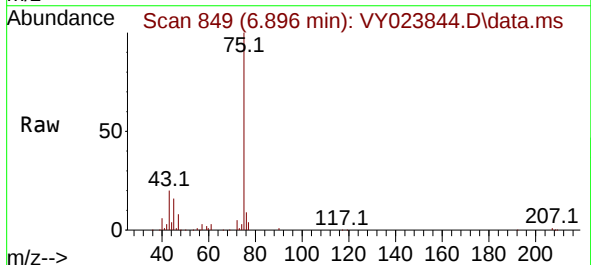
Instrument :
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 ClientSampleId :
 SB-1125-19

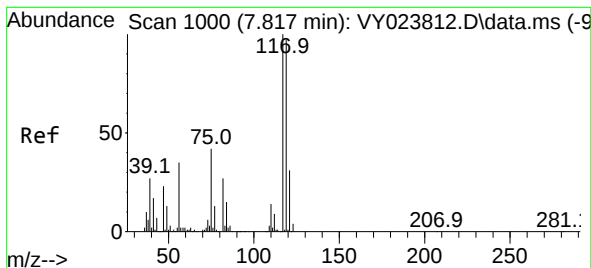
Tgt Ion: 75 Resp: 48179
 Ion Ratio Lower Upper
 75 100
 110 9.4 17.6 52.8#
 77 0.1 24.9 37.3#



#37
 Ethyl Acetate
 Concen: 3.001 ug/l
 RT: 6.896 min Scan# 849
 Delta R.T. -0.091 min
 Lab File: VY023844.D
 Acq: 01 Dec 2025 15:33

Tgt Ion: 43 Resp: 15064
 Ion Ratio Lower Upper
 43 100
 61 16.2 11.0 16.6
 70 0.0 8.1 12.1#





#38

Carbon Tetrachloride

Concen: 5.441 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.110 min

Lab File: VY023844.D

Acq: 01 Dec 2025 15:33

Instrument :

MSVOA_Y

ClientSampleId :

SB-1125-19

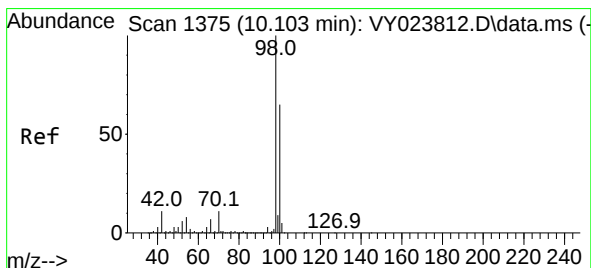
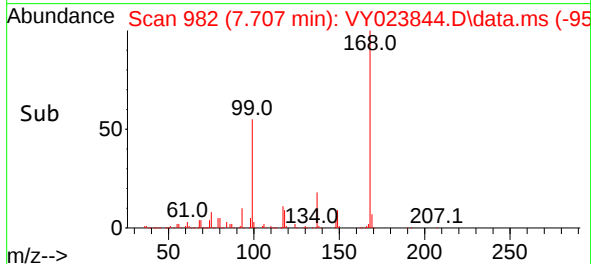
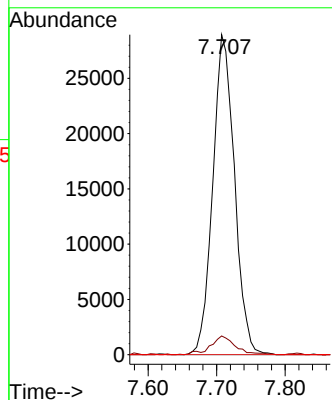
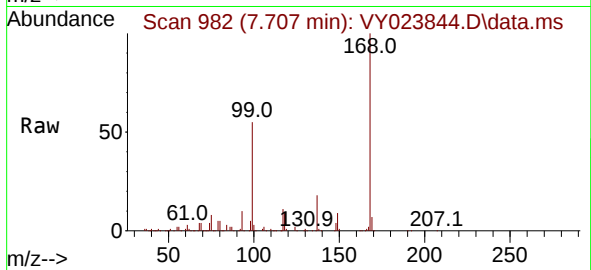
Tgt Ion:117 Resp: 63727

Ion Ratio Lower Upper

117 100

119 5.9 77.3 115.9#

121 0.0 25.0 37.6#



#50

Toluene-d8

Concen: 50.796 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023844.D

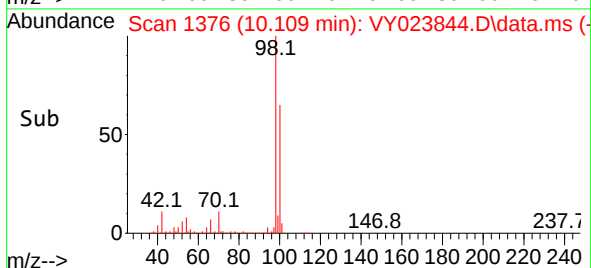
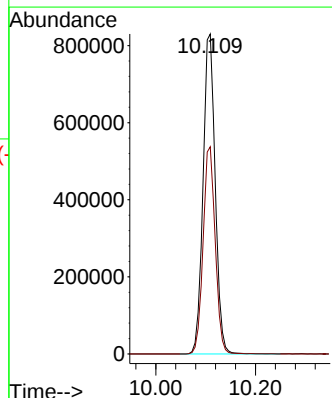
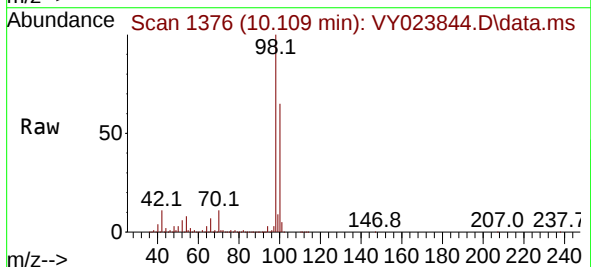
Acq: 01 Dec 2025 15:33

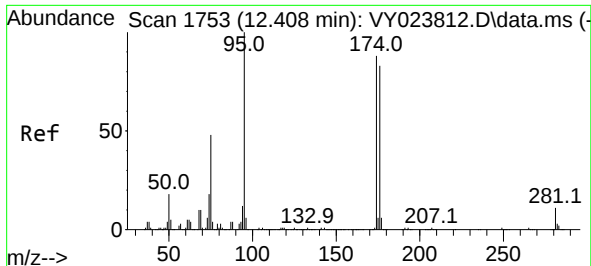
Tgt Ion: 98 Resp: 1404094

Ion Ratio Lower Upper

98 100

100 64.6 51.9 77.9

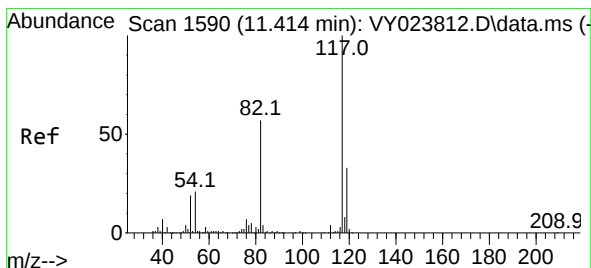
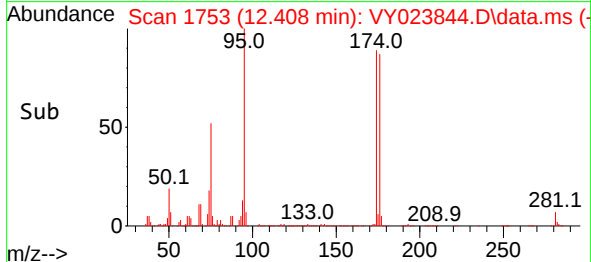
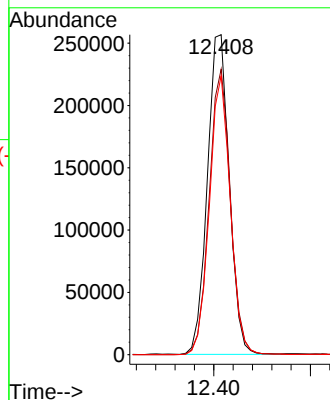
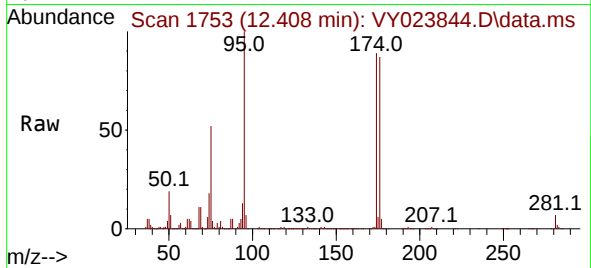




#62
4-Bromofluorobenzene
Concen: 44.382 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023844.D
Acq: 01 Dec 2025 15:33

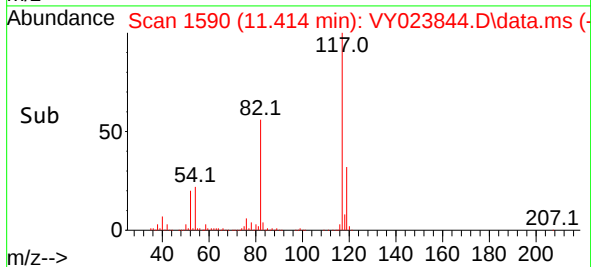
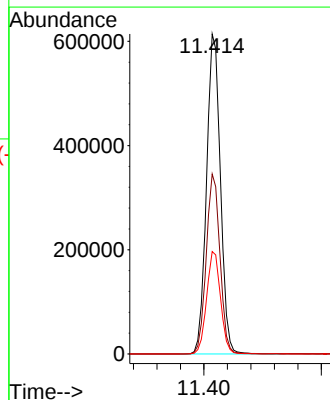
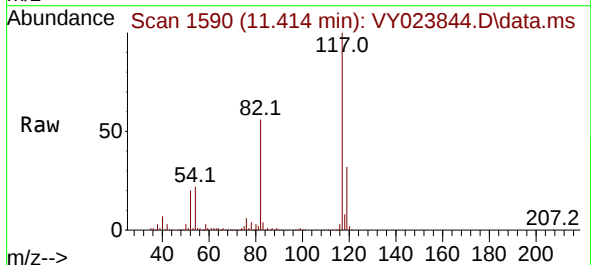
Instrument :
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SB-1125-19

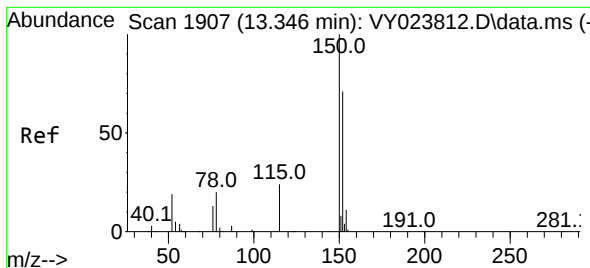
Tgt Ion: 95 Resp: 403666
Ion Ratio Lower Upper
95 100
174 87.1 0.0 168.6
176 83.4 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023844.D
Acq: 01 Dec 2025 15:33

Tgt Ion: 117 Resp: 1006083
Ion Ratio Lower Upper
117 100
82 56.2 45.4 68.0
119 32.0 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: VY023844.D

Acq: 01 Dec 2025 15:33

Instrument :

MSVOA_Y

ClientSampleId :

SB-1125-19

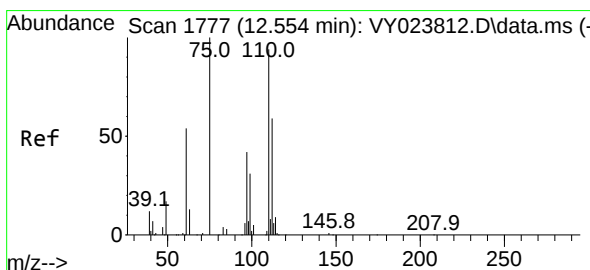
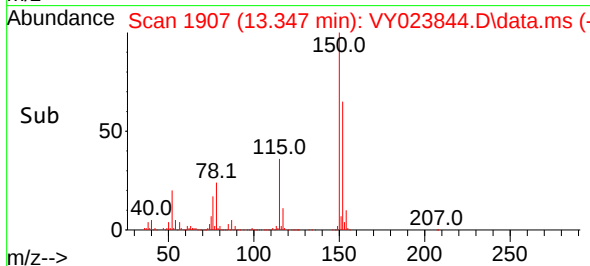
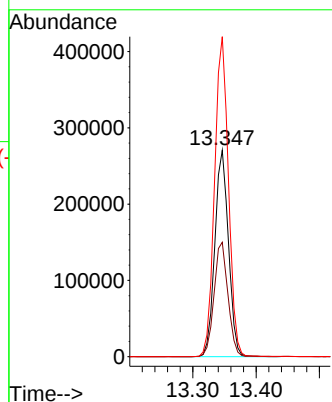
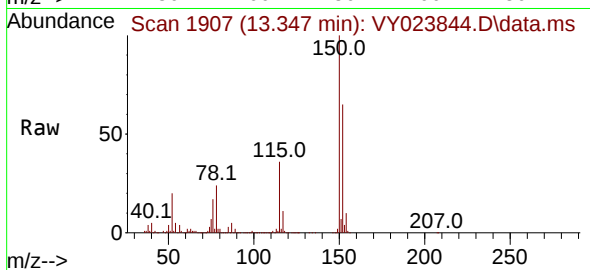
Tgt Ion:152 Resp: 405217

Ion Ratio Lower Upper

152 100

115 56.5 28.7 86.3

150 157.1 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 60.379 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023844.D

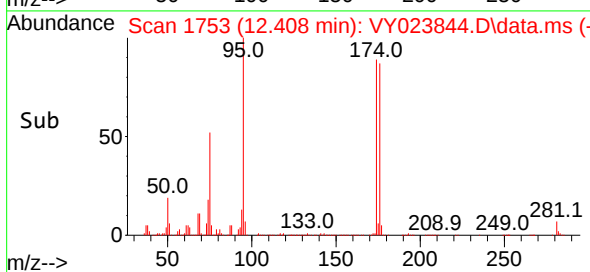
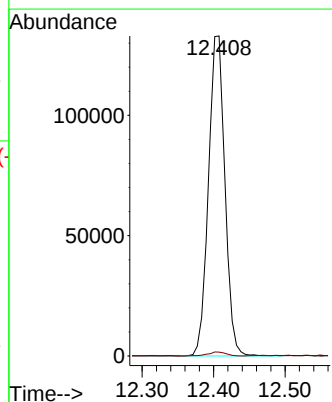
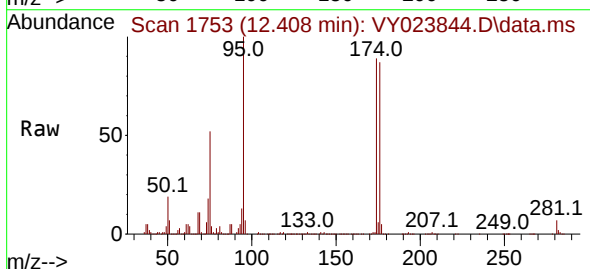
Acq: 01 Dec 2025 15:33

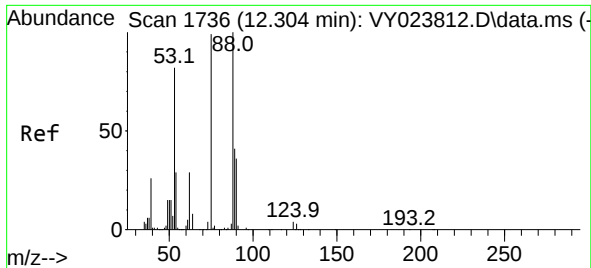
Tgt Ion: 75 Resp: 212766

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 127.623 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY023844.D
Acq: 01 Dec 2025 15:33

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-19

Tgt Ion: 75 Resp: 212766
Ion Ratio Lower Upper
75 100
53 0.3 71.3 106.9#
89 0.0 37.0 55.4#

