

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023144.D
 Acq On : 19 Aug 2025 12:31
 Operator : SY/MD
 Sample : Q2819-20
 Misc : 7.36g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 82H-E

Quant Time: Aug 20 01:28:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

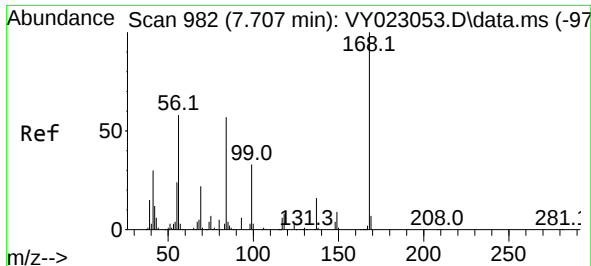
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	627655	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1149795	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	978415	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	336379	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	327124	54.685	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.360%	
35) Dibromofluoromethane	7.634	113	362558	52.697	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.400%	
50) Toluene-d8	10.103	98	1358340	50.538	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.080%	
62) 4-Bromofluorobenzene	12.402	95	374379	43.312	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 86.620%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.610	84	16441	Below Cal	#	83
31) Cyclohexane	7.701	56	12959	1.163	ug/l #	20
36) 1,1-Dichloropropene	7.707	75	47023	4.599	ug/l #	50
38) Carbon Tetrachloride	7.707	117	60125	5.414	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	5447	1.216	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	195098	60.096	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	195098	145.474	ug/l #	14

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

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Response via : Initial Calibration

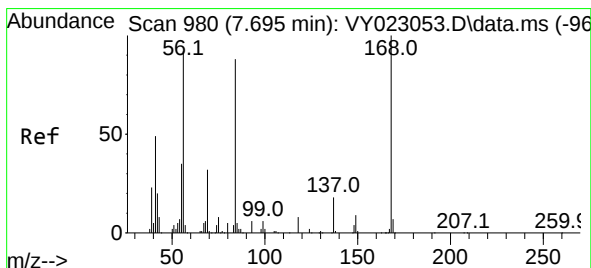
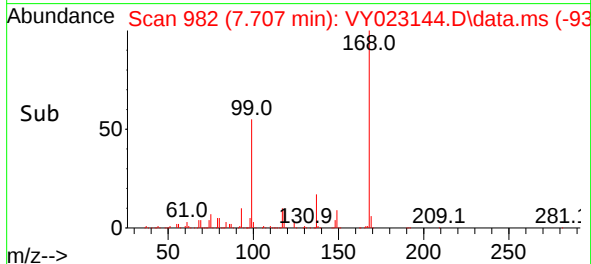
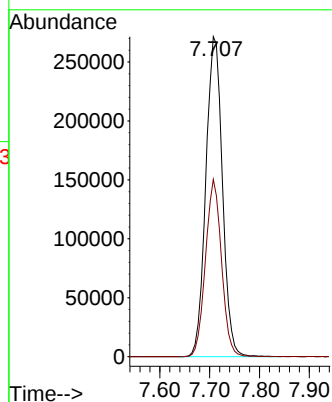
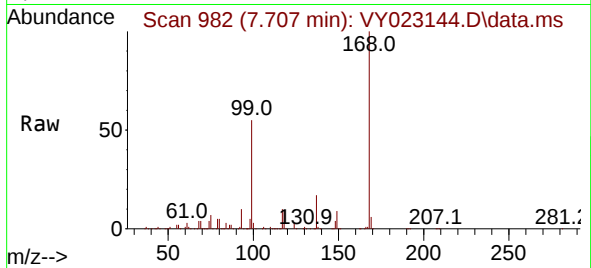




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023144.D
Acq: 19 Aug 2025 12:31

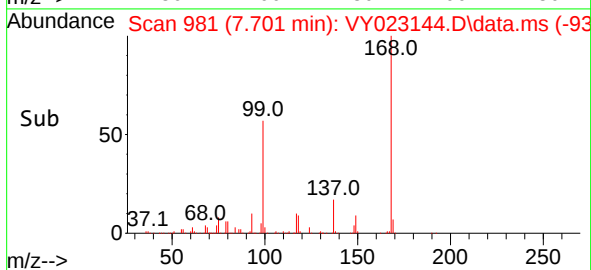
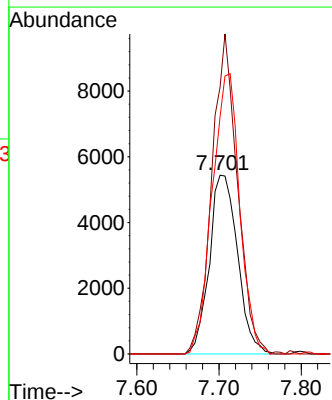
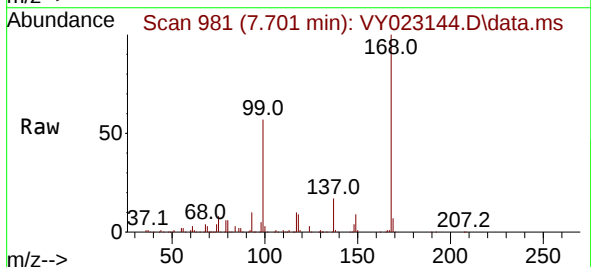
Instrument :
MSVOA_Y
ClientSampleId :
82H-E

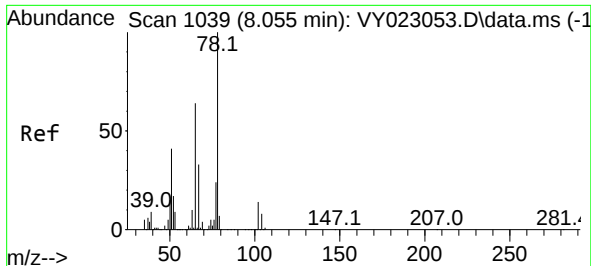
Tgt Ion:168 Resp: 627655
Ion Ratio Lower Upper
168 100
99 55.4 42.8 64.2



#31
Cyclohexane
Concen: 1.163 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023144.D
Acq: 19 Aug 2025 12:31

Tgt Ion: 56 Resp: 12959
Ion Ratio Lower Upper
56 100
69 149.3 28.2 42.2#
84 132.6 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 54.685 ug/l

RT: 8.061 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY023144.D

Acq: 19 Aug 2025 12:31

Instrument :

MSVOA_Y

ClientSampleId :

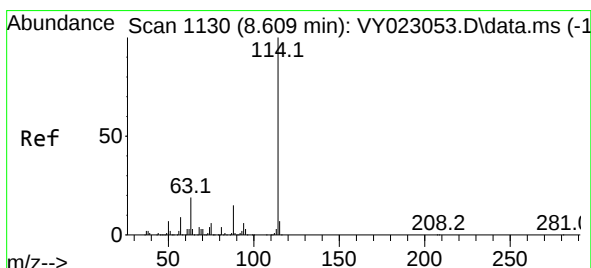
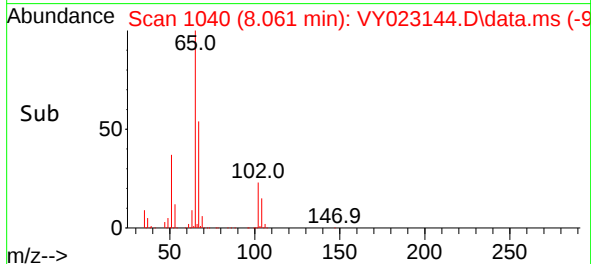
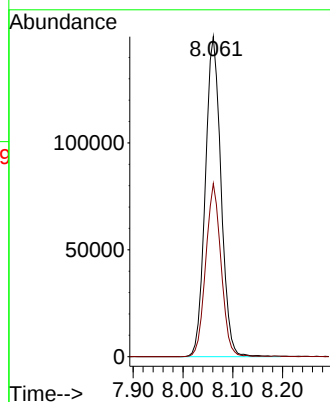
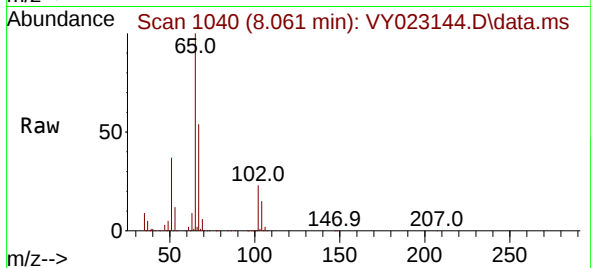
82H-E

Tgt Ion: 65 Resp: 327124

Ion Ratio Lower Upper

65 100

67 52.9 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023144.D

Acq: 19 Aug 2025 12:31

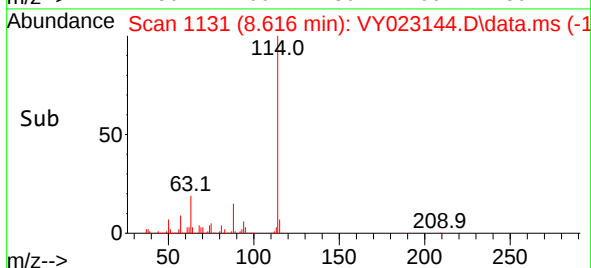
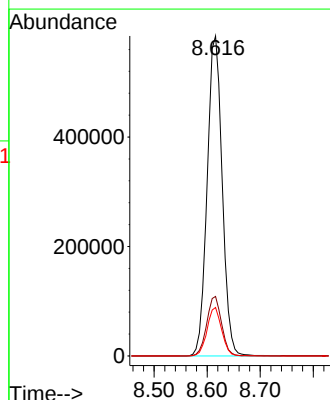
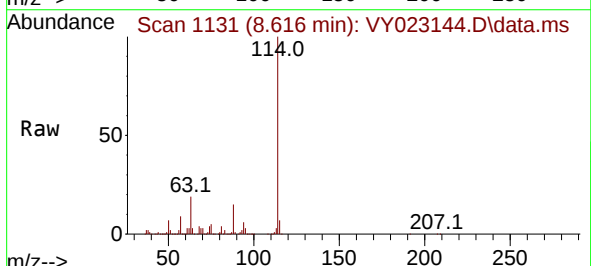
Tgt Ion: 114 Resp: 1149795

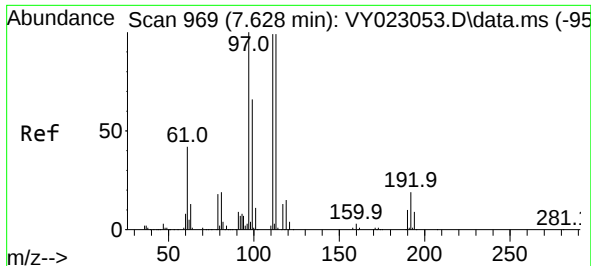
Ion Ratio Lower Upper

114 100

63 18.6 0.0 38.4

88 15.2 0.0 30.0

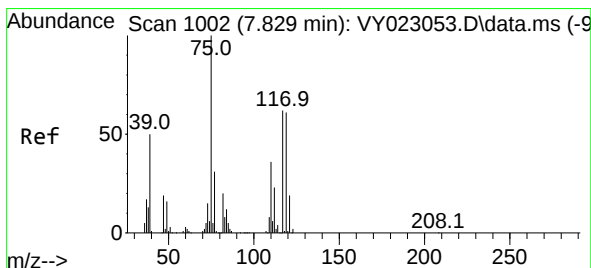
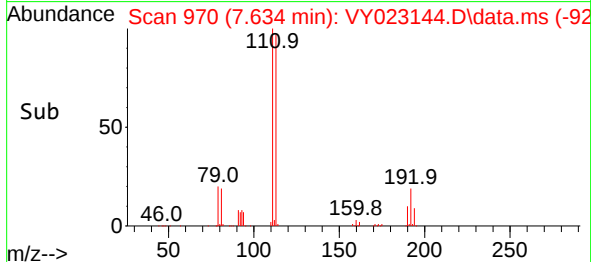
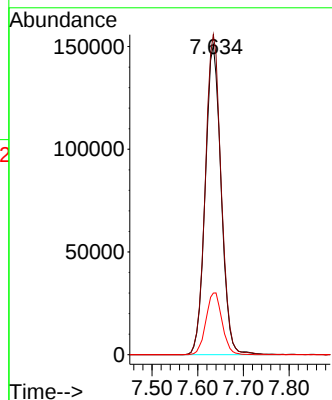
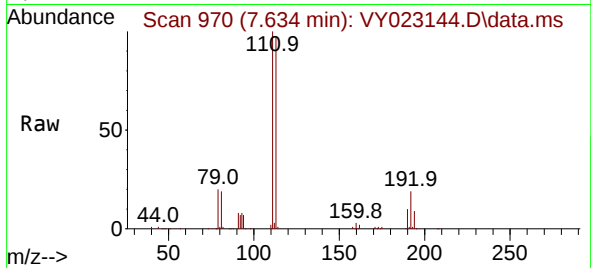




#35
Dibromofluoromethane
Concen: 52.697 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023144.D
Acq: 19 Aug 2025 12:31

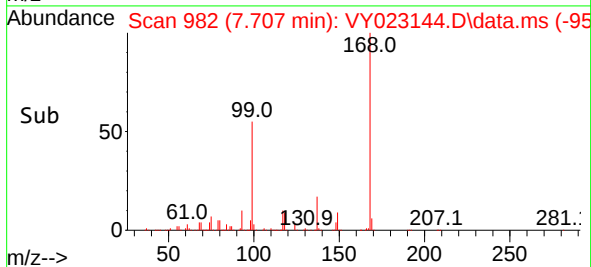
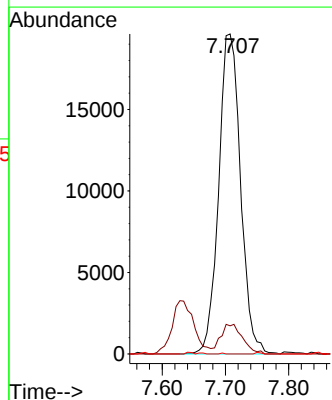
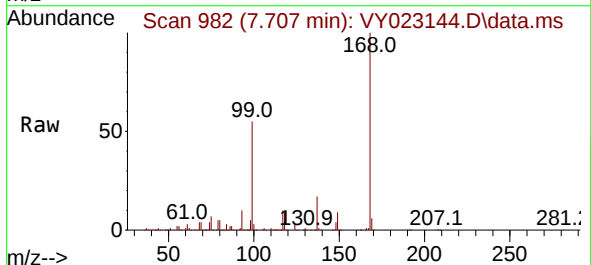
Instrument :
MSVOA_Y
ClientSampleId :
82H-E

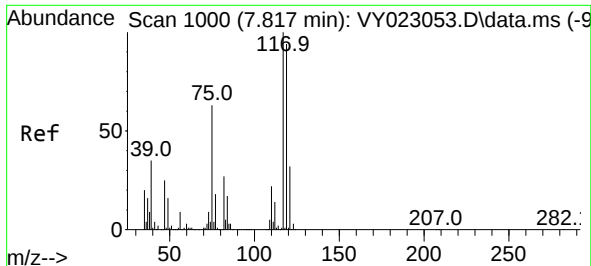
Tgt Ion:113 Resp: 362558
Ion Ratio Lower Upper
113 100
111 103.5 81.1 121.7
192 20.4 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.599 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023144.D
Acq: 19 Aug 2025 12:31

Tgt Ion: 75 Resp: 47023
Ion Ratio Lower Upper
75 100
110 9.3 18.1 54.4#
77 0.0 24.6 37.0#

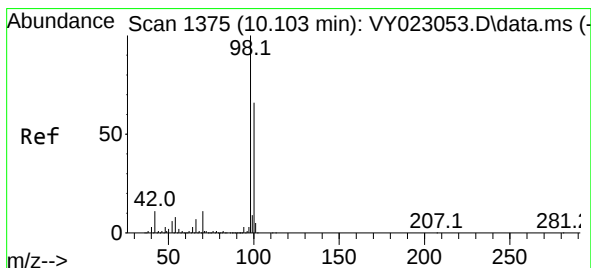
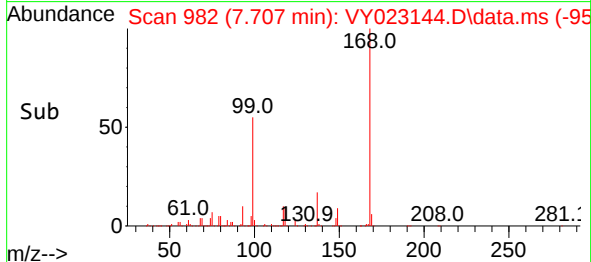
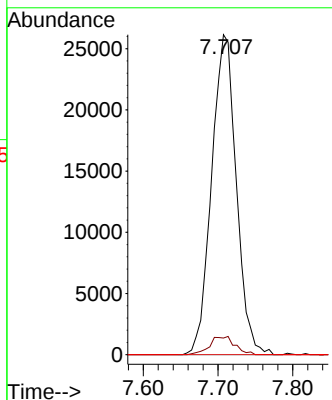
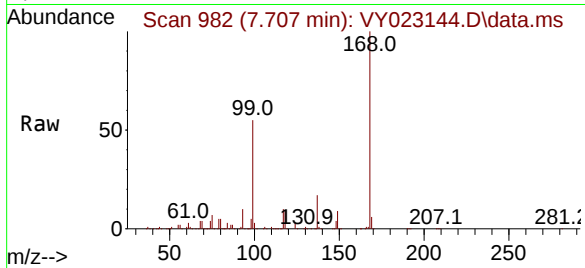




#38
Carbon Tetrachloride
Concen: 5.414 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023144.D
Acq: 19 Aug 2025 12:31

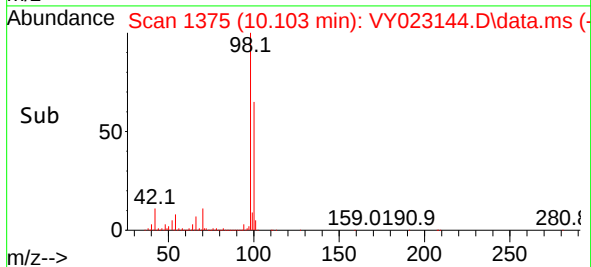
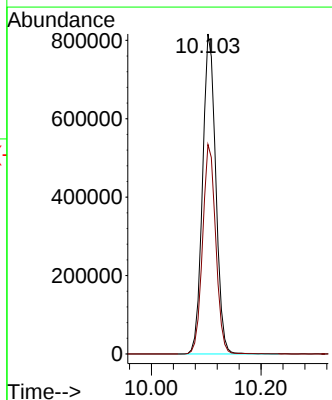
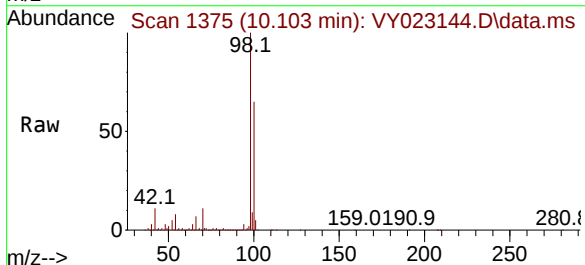
Instrument :
MSVOA_Y
ClientSampleId :
82H-E

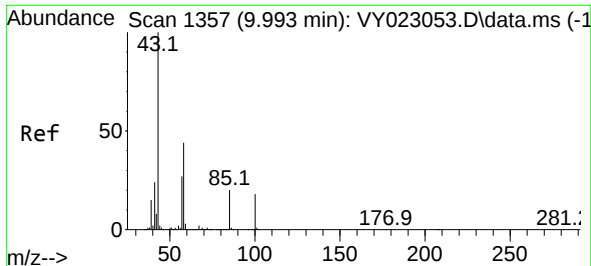
Tgt Ion:117 Resp: 60125
Ion Ratio Lower Upper
117 100
119 5.2 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 50.538 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023144.D
Acq: 19 Aug 2025 12:31

Tgt Ion: 98 Resp: 1358340
Ion Ratio Lower Upper
98 100
100 65.3 52.3 78.5

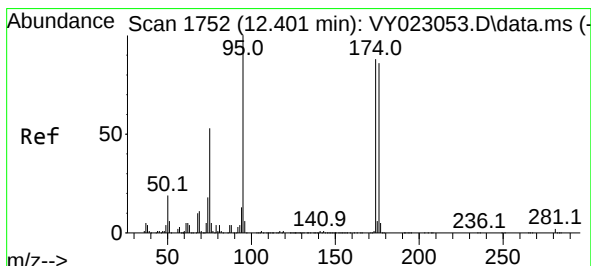
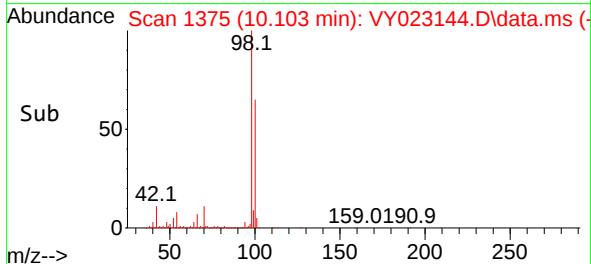
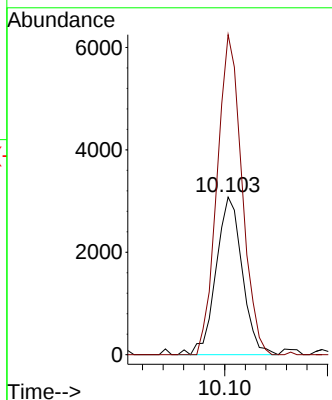
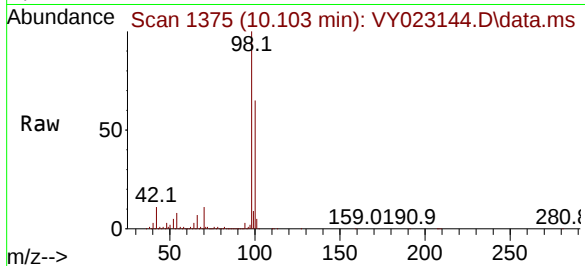




#51
4-Methyl-2-Pentanone
Concen: 1.216 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY023144.D
Acq: 19 Aug 2025 12:31

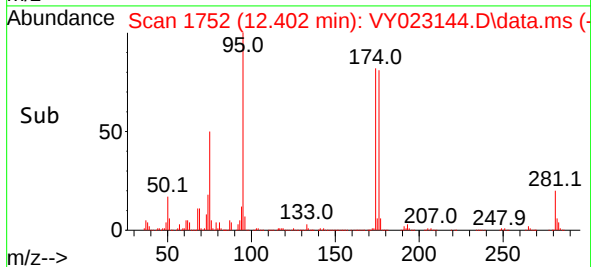
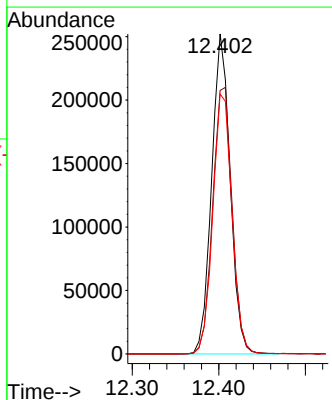
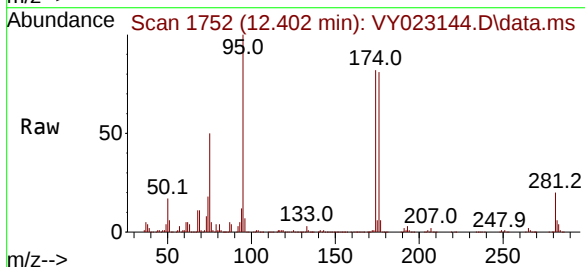
Instrument :
MSVOA_Y
ClientSampleId :
82H-E

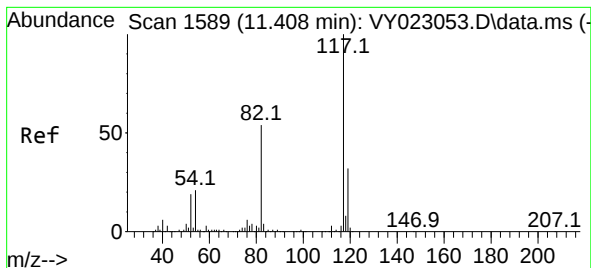
Tgt Ion: 43 Resp: 5447
Ion Ratio Lower Upper
43 100
58 192.5 33.5 50.3#



#62
4-Bromofluorobenzene
Concen: 43.312 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023144.D
Acq: 19 Aug 2025 12:31

Tgt Ion: 95 Resp: 374379
Ion Ratio Lower Upper
95 100
174 87.8 0.0 171.6
176 84.5 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023144.D

Acq: 19 Aug 2025 12:31

Instrument :

MSVOA_Y

ClientSampleId :

82H-E

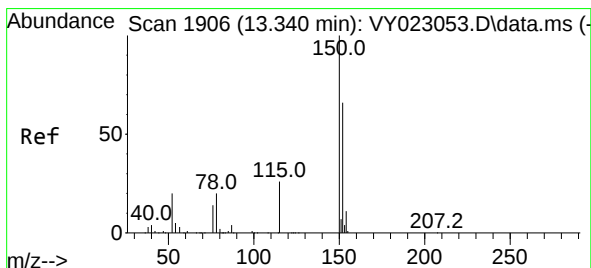
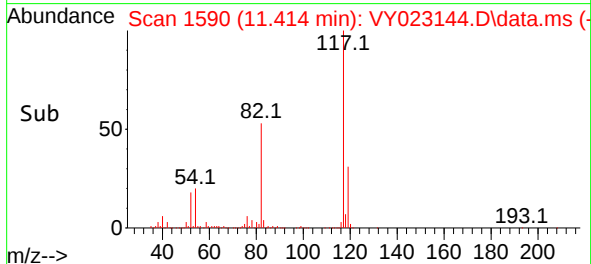
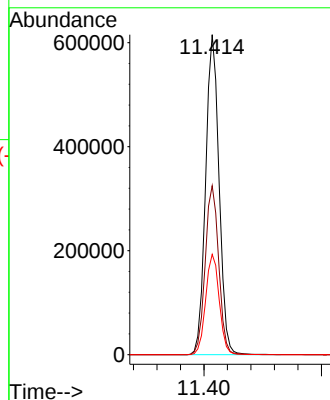
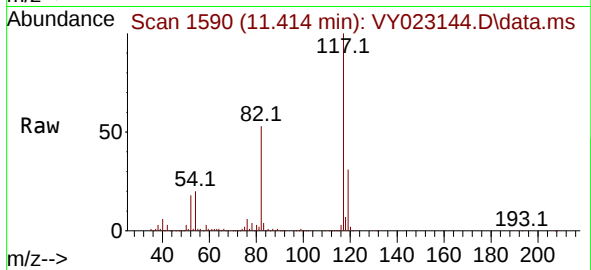
Tgt Ion:117 Resp: 978415

Ion Ratio Lower Upper

117 100

82 52.8 43.4 65.0

119 31.4 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023144.D

Acq: 19 Aug 2025 12:31

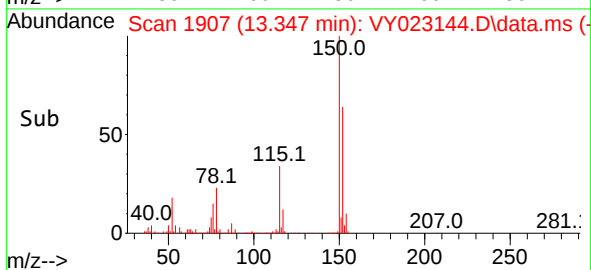
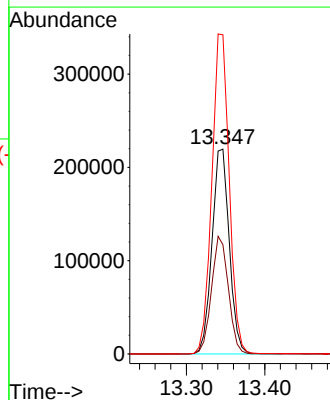
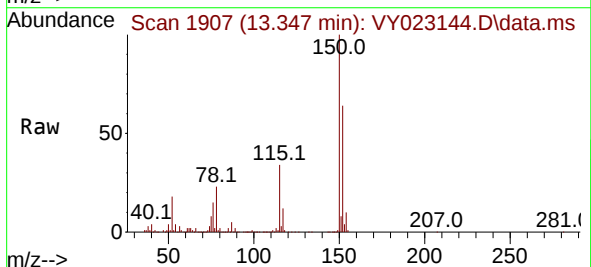
Tgt Ion:152 Resp: 336379

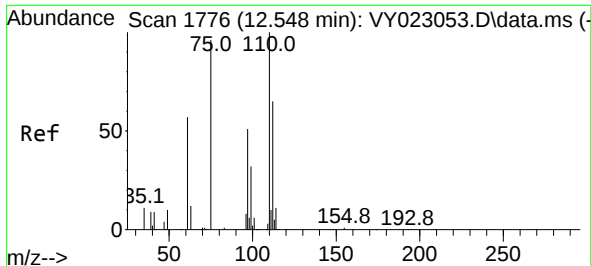
Ion Ratio Lower Upper

152 100

115 56.2 28.2 84.6

150 157.1 0.0 348.0

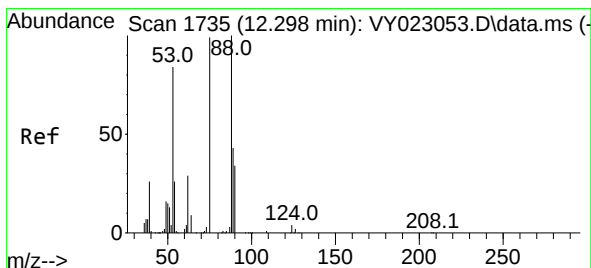
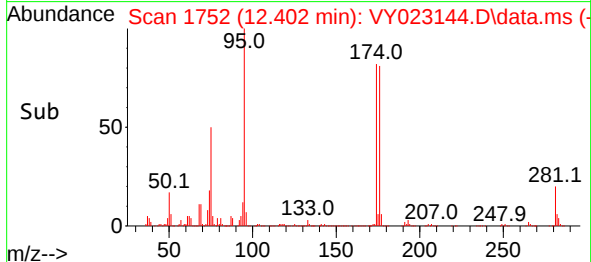
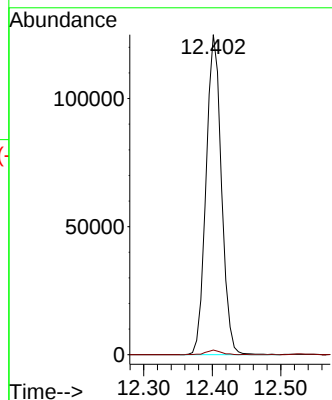
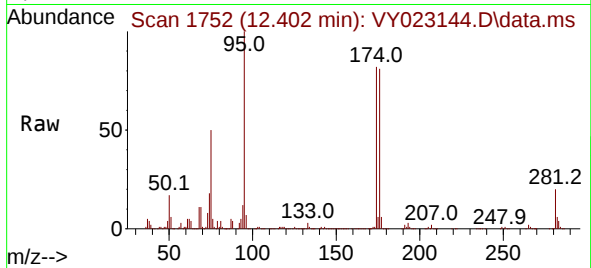




#76
1,2,3-Trichloropropane
Concen: 60.096 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.146 min
Lab File: VY023144.D
Acq: 19 Aug 2025 12:31

Instrument :
MSVOA_Y
ClientSampleId :
82H-E

Tgt Ion: 75 Resp: 195098
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 145.474 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023144.D
Acq: 19 Aug 2025 12:31

Tgt Ion: 75 Resp: 195098
Ion Ratio Lower Upper
75 100
53 0.2 70.8 106.2#
89 0.6 38.1 57.1#

