

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
 Data File : VY023830.D
 Acq On : 01 Dec 2025 09:13
 Operator : SY/MD
 Sample : VY1201SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1201SBL01

Quant Time: Dec 02 03:12:33 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

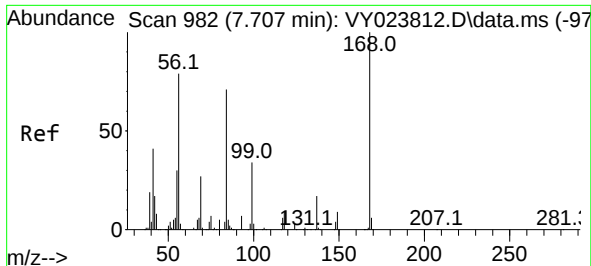
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.713	168	719047	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1221329	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	995220	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	399677	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	408084	58.278	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.560%	
35) Dibromofluoromethane	7.640	113	368921	50.991	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.980%	
50) Toluene-d8	10.109	98	1423543	49.536	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.080%	
62) 4-Bromofluorobenzene	12.408	95	399287	42.228	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 84.460%	
Target Compounds						Qvalue
31) Cyclohexane	7.713	56	15398	1.144	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	56127	5.060	ug/l #	49
38) Carbon Tetrachloride	7.713	117	70518	5.791	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	202982	58.401	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	202982	123.442	ug/l #	14

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

Quant Time: Dec 02 03:12:33 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

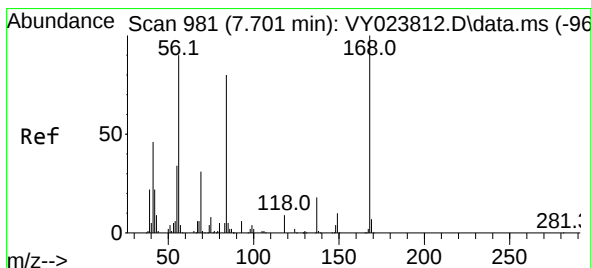
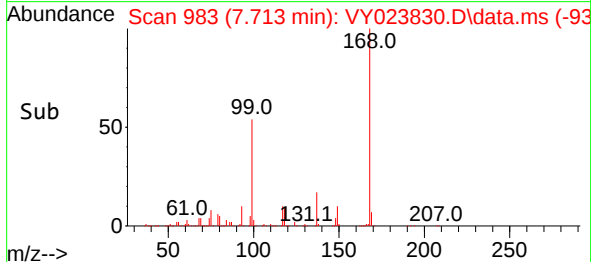
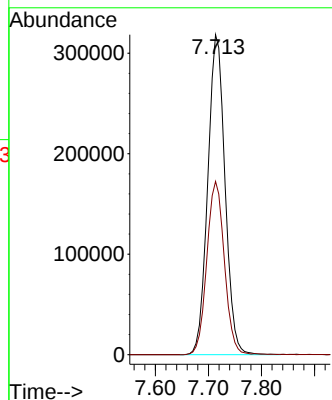
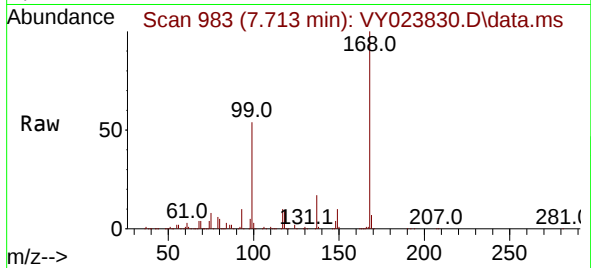




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023830.D
Acq: 01 Dec 2025 09:13

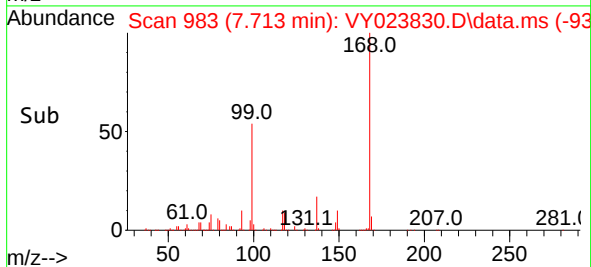
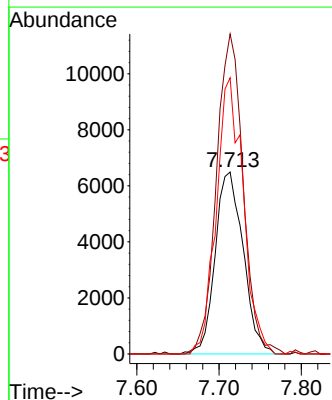
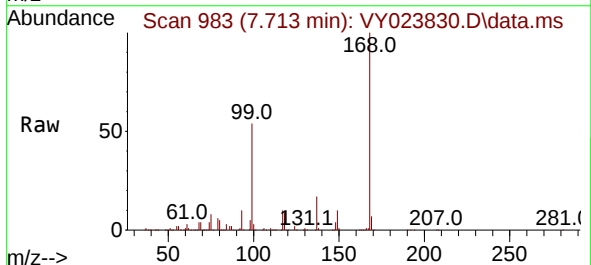
Instrument :
MSVOA_Y
ClientSampleId :
VY1201SBL01

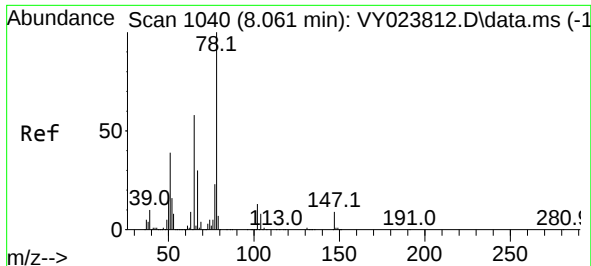
Tgt Ion:168 Resp: 719047
Ion Ratio Lower Upper
168 100
99 54.1 44.0 66.0



#31
Cyclohexane
Concen: 1.144 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY023830.D
Acq: 01 Dec 2025 09:13

Tgt Ion: 56 Resp: 15398
Ion Ratio Lower Upper
56 100
69 175.9 27.8 41.6#
84 151.9 71.8 107.8#





#33

1,2-Dichloroethane-d4

Concen: 58.278 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY023830.D

Acq: 01 Dec 2025 09:13

Instrument :

MSVOA_Y

ClientSampleId :

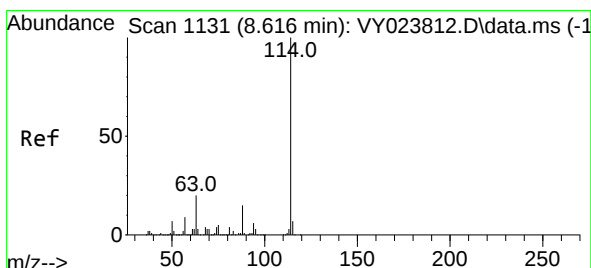
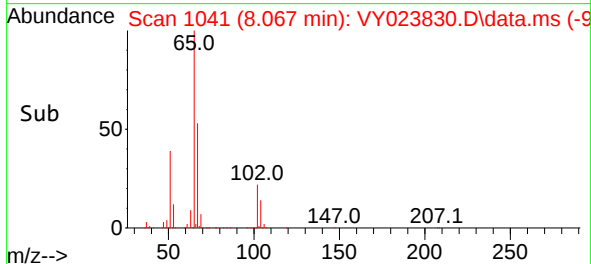
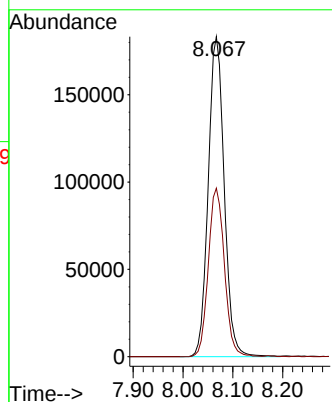
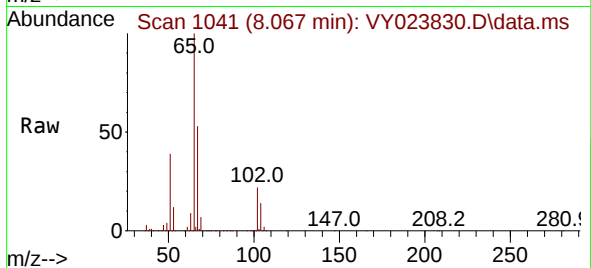
VY1201SBL01

Tgt Ion: 65 Resp: 408084

Ion Ratio Lower Upper

65 100

67 53.0 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY023830.D

Acq: 01 Dec 2025 09:13

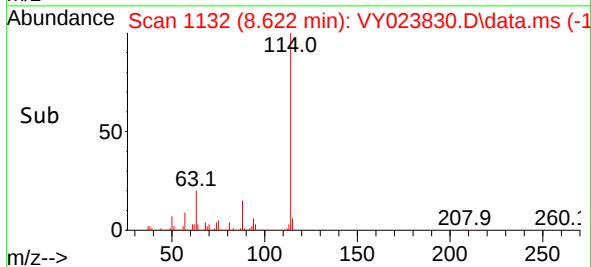
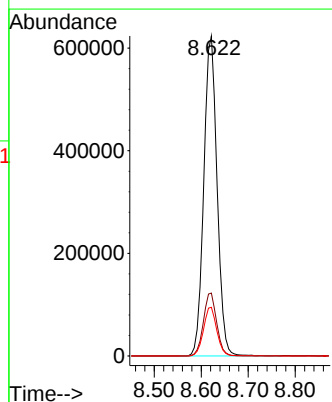
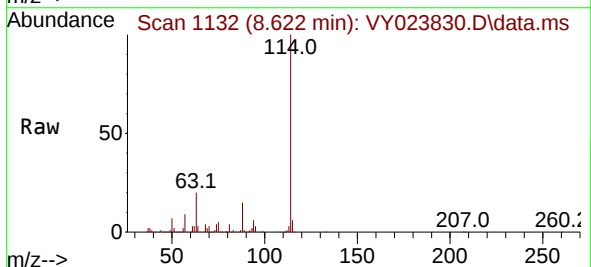
Tgt Ion:114 Resp: 1221329

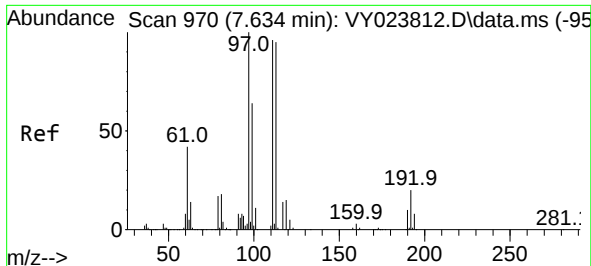
Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.4

88 15.2 0.0 30.8

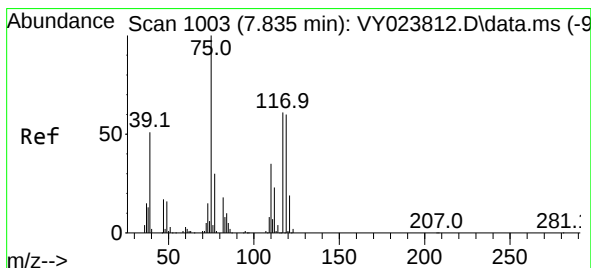
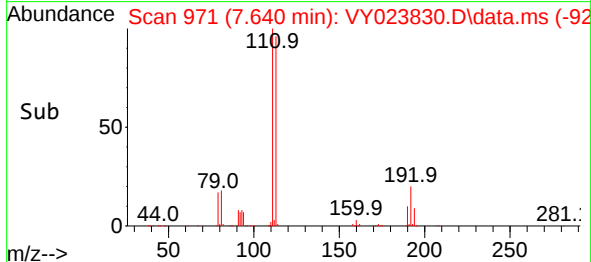
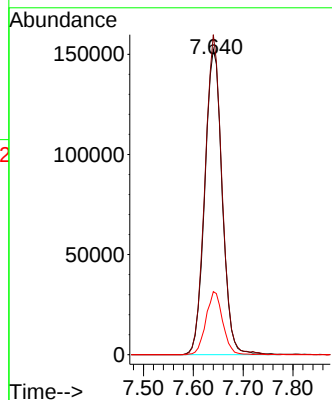
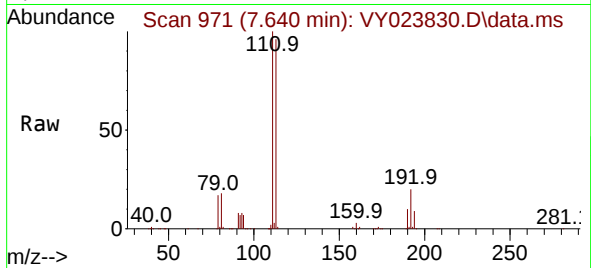




#35
Dibromofluoromethane
Concen: 50.991 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023830.D
Acq: 01 Dec 2025 09:13

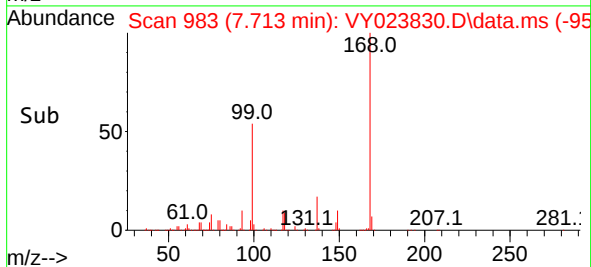
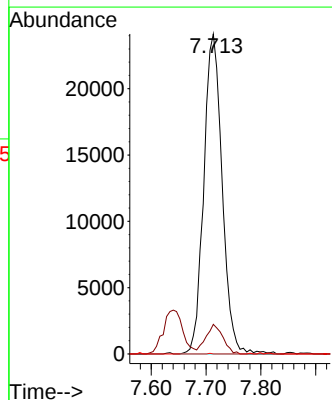
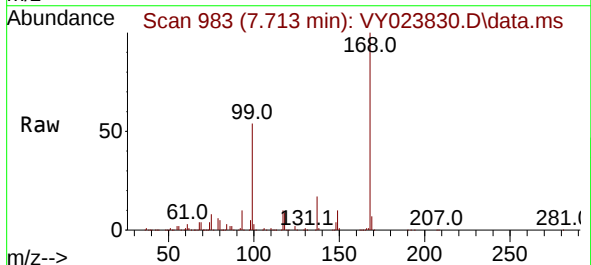
Instrument :
MSVOA_Y
ClientSampleId :
VY1201SBL01

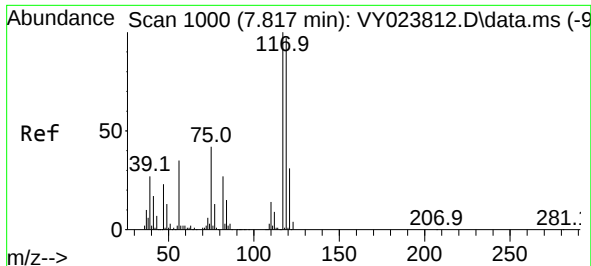
Tgt Ion:113 Resp: 368921
Ion Ratio Lower Upper
113 100
111 102.6 81.4 122.0
192 19.9 15.8 23.8



#36
1,1-Dichloropropene
Concen: 5.060 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY023830.D
Acq: 01 Dec 2025 09:13

Tgt Ion: 75 Resp: 56127
Ion Ratio Lower Upper
75 100
110 8.5 17.6 52.8#
77 0.0 24.9 37.3#

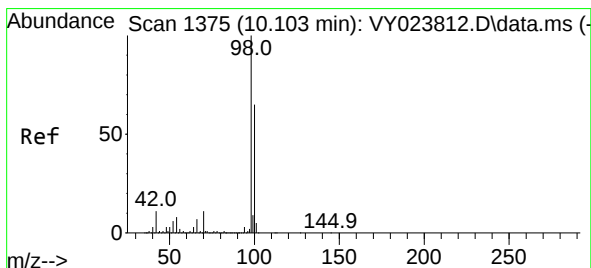
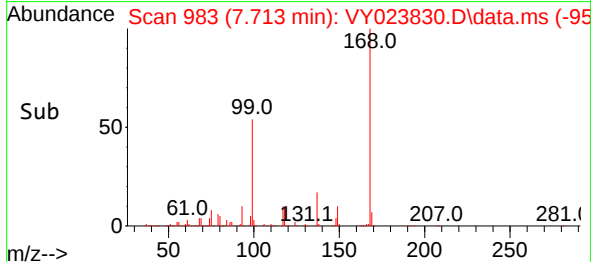
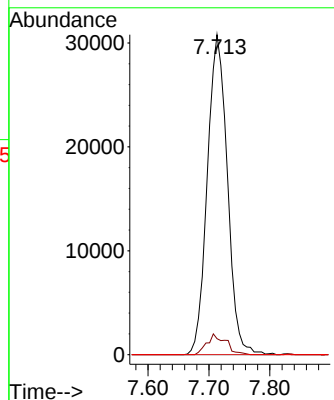
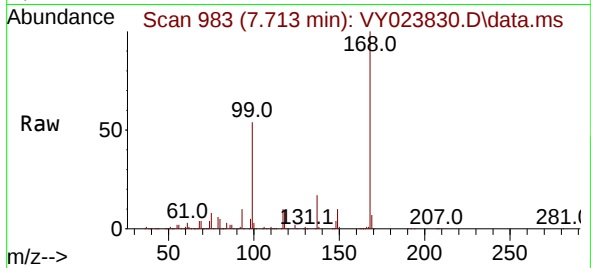




#38
Carbon Tetrachloride
Concen: 5.791 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023830.D
Acq: 01 Dec 2025 09:13

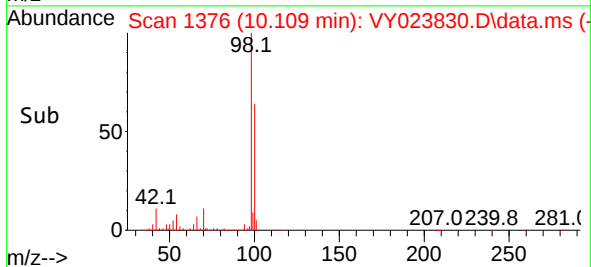
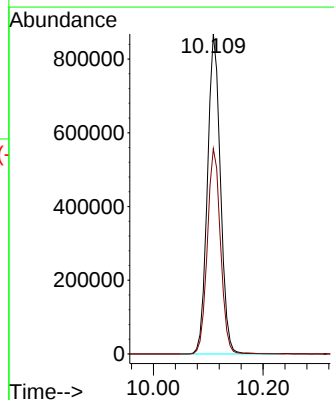
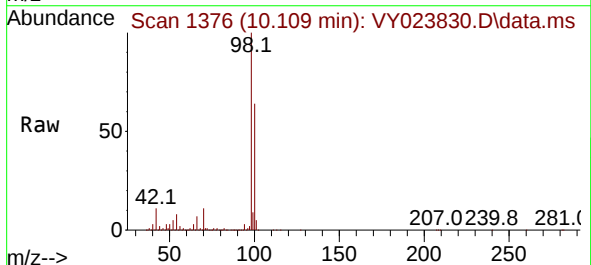
Instrument :
MSVOA_Y
ClientSampleId :
VY1201SBL01

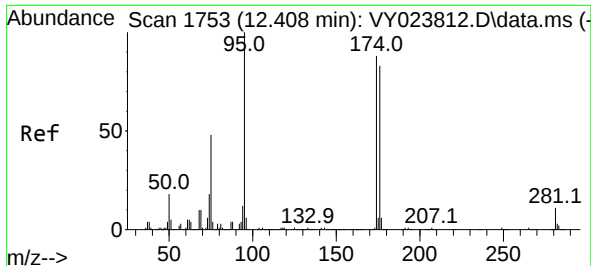
Tgt Ion:117 Resp: 70518
Ion Ratio Lower Upper
117 100
119 5.0 77.3 115.9#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 49.536 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023830.D
Acq: 01 Dec 2025 09:13

Tgt Ion: 98 Resp: 1423543
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9

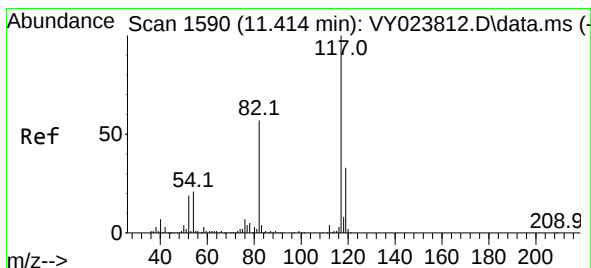
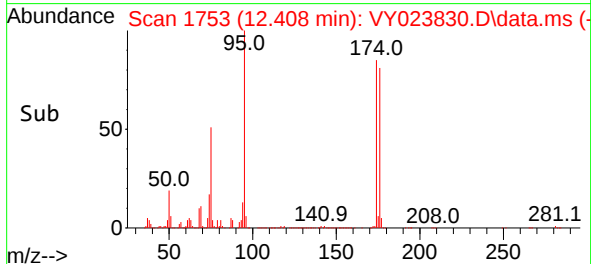
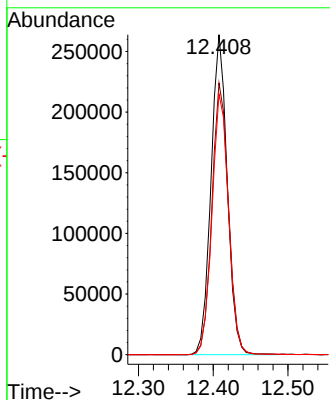
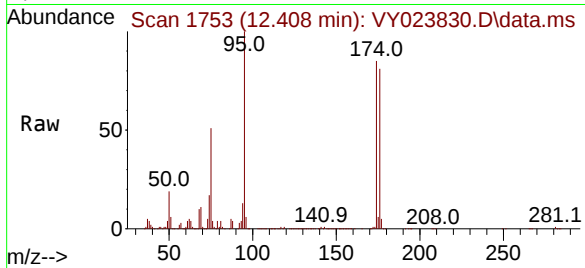




#62
4-Bromofluorobenzene
Concen: 42.228 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023830.D
Acq: 01 Dec 2025 09:13

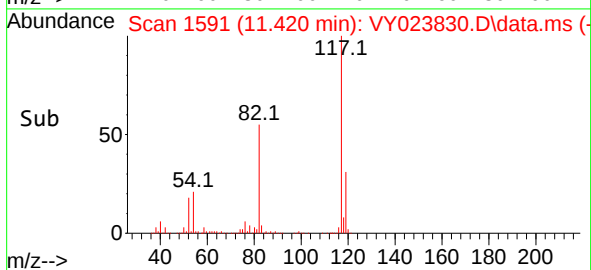
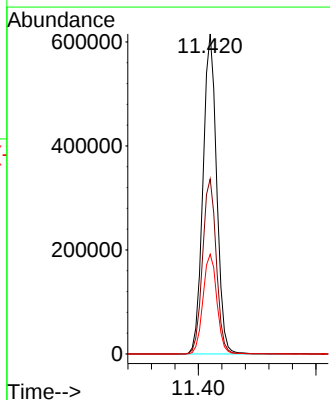
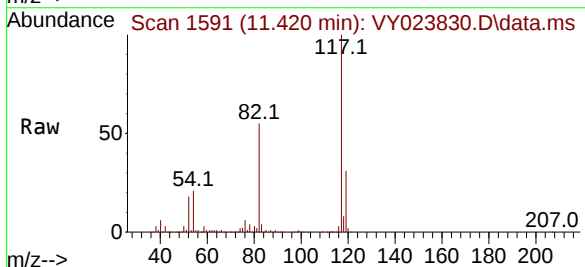
Instrument :
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ClientSampleId :
VY1201SBL01

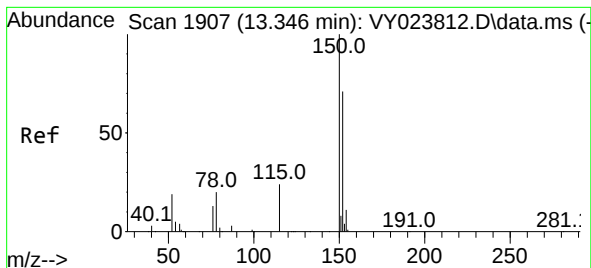
Tgt Ion: 95 Resp: 399287
Ion Ratio Lower Upper
95 100
174 86.7 0.0 168.6
176 83.0 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023830.D
Acq: 01 Dec 2025 09:13

Tgt Ion: 117 Resp: 995220
Ion Ratio Lower Upper
117 100
82 54.7 45.4 68.0
119 31.1 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: VY023830.D

Acq: 01 Dec 2025 09:13

Instrument :

MSVOA_Y

ClientSampleId :

VY1201SBL01

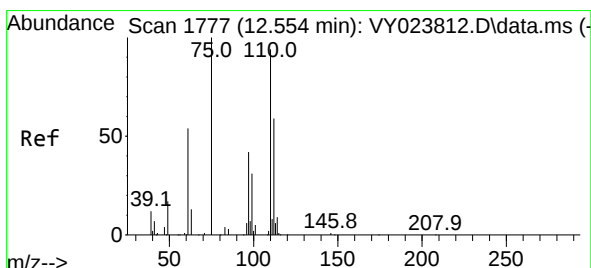
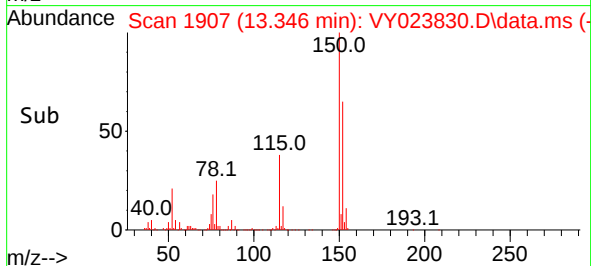
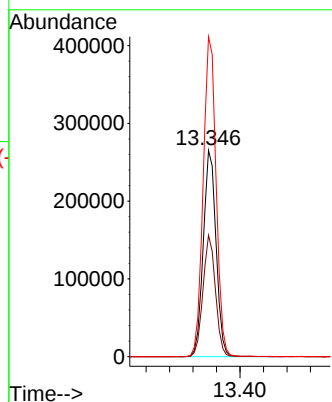
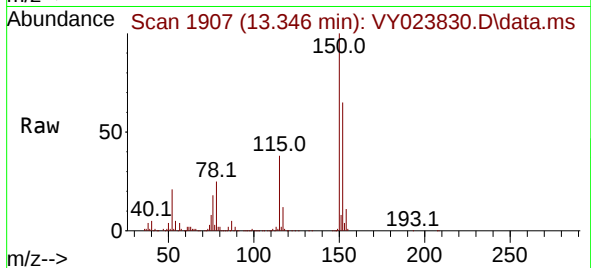
Tgt Ion:152 Resp: 399677

Ion Ratio Lower Upper

152 100

115 57.5 28.7 86.3

150 157.0 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 58.401 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023830.D

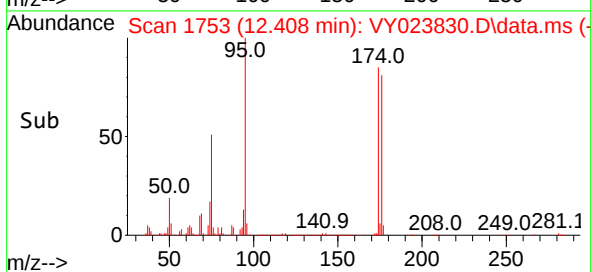
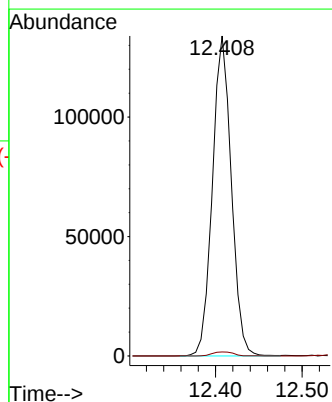
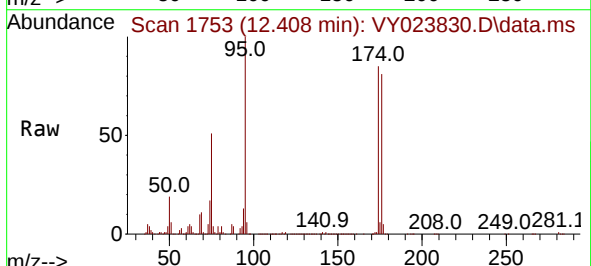
Acq: 01 Dec 2025 09:13

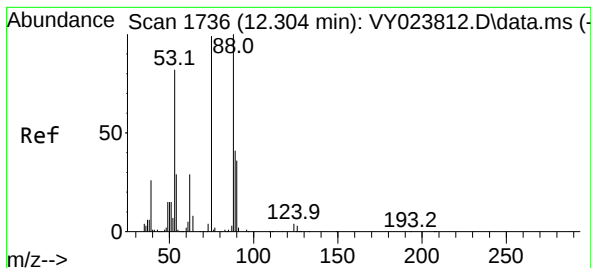
Tgt Ion: 75 Resp: 202982

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.442 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023830.D
 Acq: 01 Dec 2025 09:13

Instrument :
 MSVOA_Y
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 VY1201SBL01

Tgt Ion: 75 Resp: 202982
 Ion Ratio Lower Upper
 75 100
 53 0.2 71.3 106.9#
 89 0.0 37.0 55.4#

