

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
 Data File : VY023835.D
 Acq On : 01 Dec 2025 12:02
 Operator : SY/MD
 Sample : Q3735-01
 Misc : 7.50g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-3-112625

Quant Time: Dec 02 03:15:23 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)

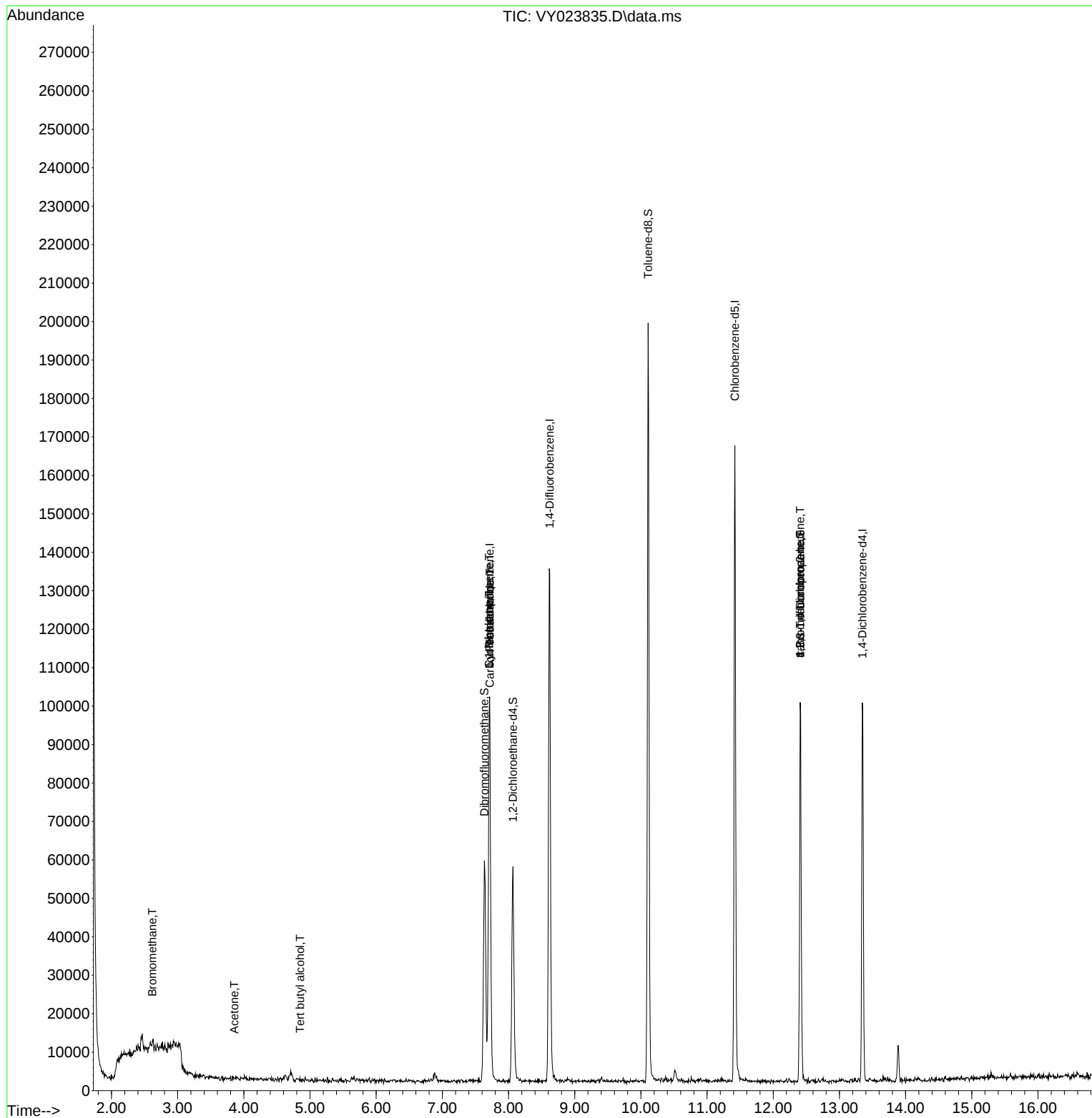
Internal Standards						
1) Pentafluorobenzene	7.713	168	79437	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	117840	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	91890	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	27525	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	44870	58.002	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.000%
35) Dibromofluoromethane	7.634	113	41966	60.117	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	120.240%
50) Toluene-d8	10.109	98	131661	47.484	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.960%
62) 4-Bromofluorobenzene	12.408	95	30523	33.456	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	66.920%
Target Compounds						
					Qvalue	
5) Bromomethane	2.617	94	1376	1.969	ug/l #	71
11) Tert butyl alcohol	4.848	59	204	3.211	ug/l #	73
16) Acetone	3.854	43	547	2.454	ug/l #	43
31) Cyclohexane	7.707	56	1546	1.039	ug/l #	19
36) 1,1-Dichloropropene	7.707	75	6164	5.759	ug/l #	48
38) Carbon Tetrachloride	7.720	117	7657	6.517	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	15765	65.863	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	15765	139.214	ug/l #	14

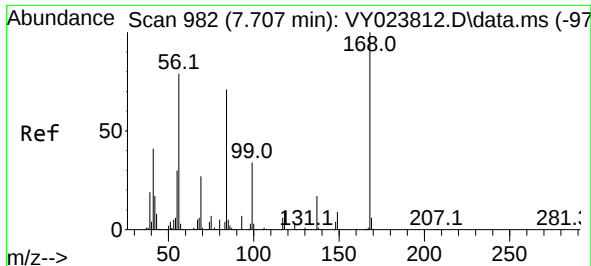
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023835.D
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Misc : 7.50g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BU-3-112625

Quant Time: Dec 02 03:15:23 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

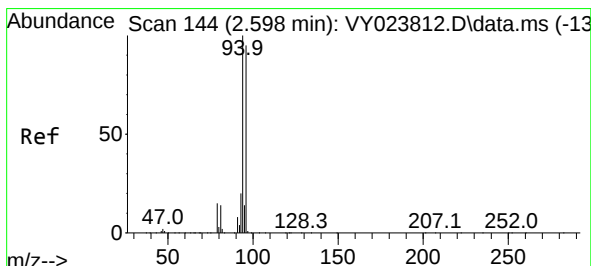
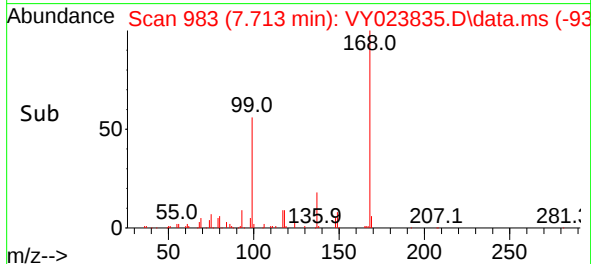
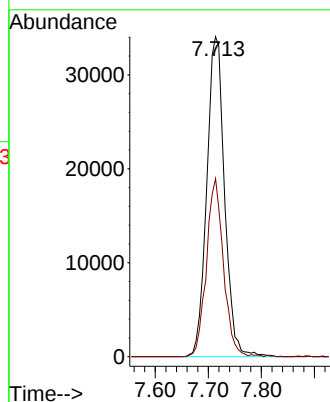
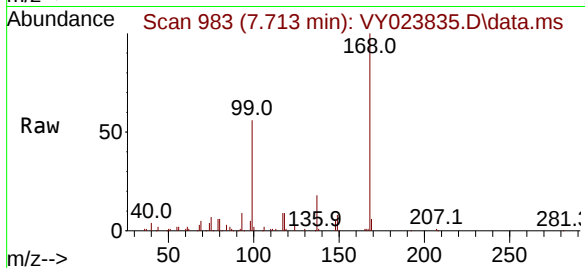




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023835.D
Acq: 01 Dec 2025 12:02

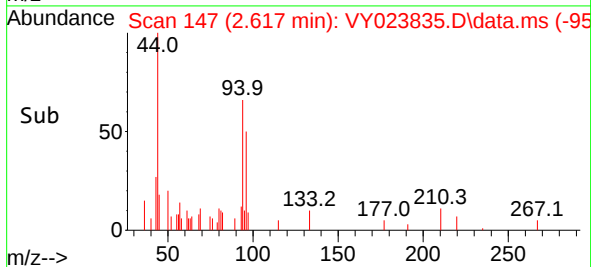
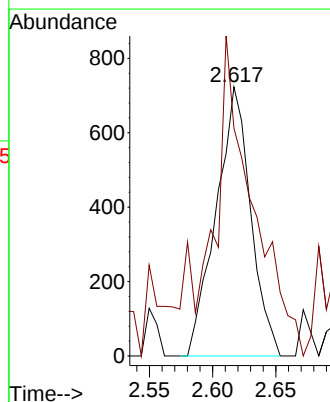
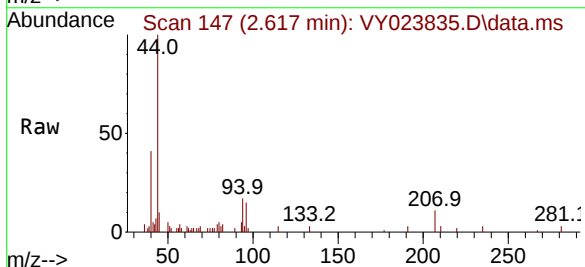
Instrument :
MSVOA_Y
ClientSampleId :
BU-3-112625

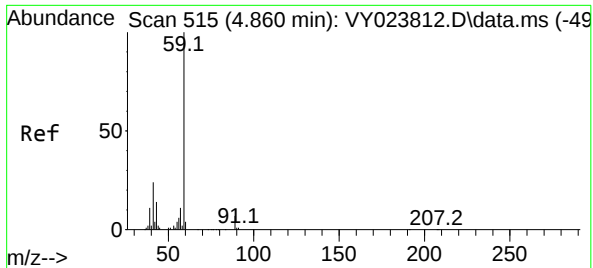
Tgt Ion:168 Resp: 79437
Ion Ratio Lower Upper
168 100
99 55.6 44.0 66.0



#5
Bromomethane
Concen: 1.969 ug/l
RT: 2.617 min Scan# 147
Delta R.T. 0.018 min
Lab File: VY023835.D
Acq: 01 Dec 2025 12:02

Tgt Ion: 94 Resp: 1376
Ion Ratio Lower Upper
94 100
96 67.2 76.1 114.1#

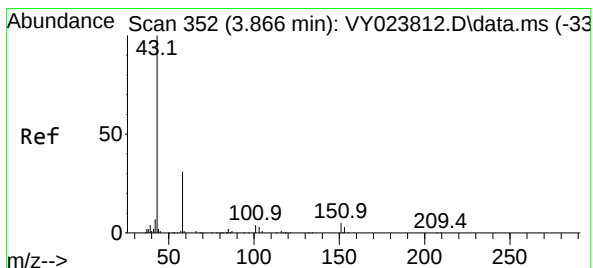
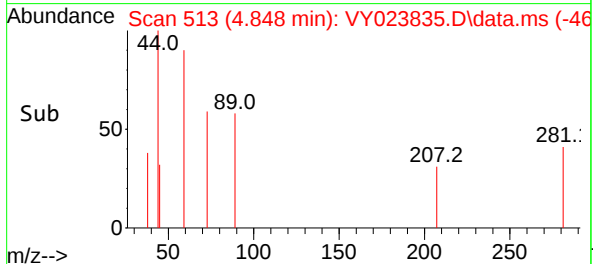
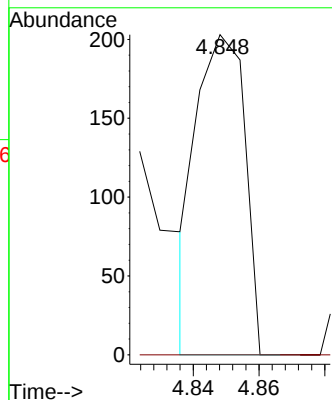
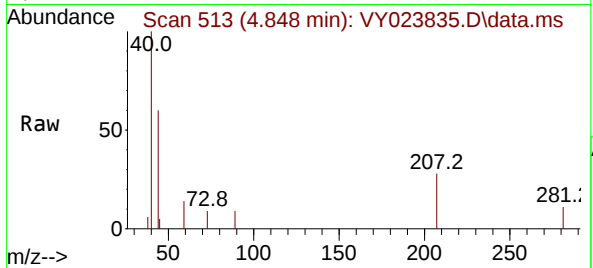




#11
Tert butyl alcohol
Concen: 3.211 ug/l
RT: 4.848 min Scan# 515
Delta R.T. -0.012 min
Lab File: VY023835.D
Acq: 01 Dec 2025 12:02

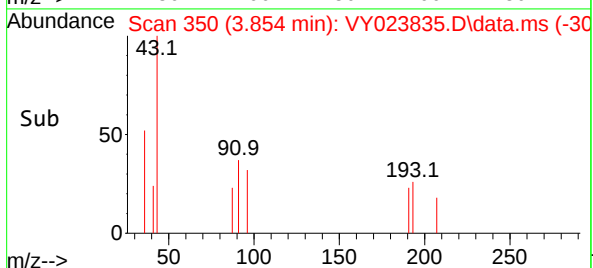
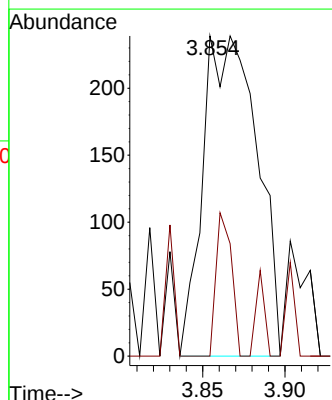
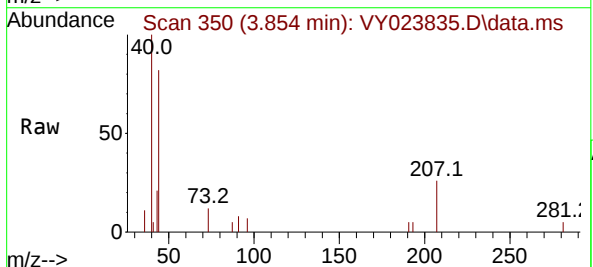
Instrument :
MSVOA_Y
ClientSampleId :
BU-3-112625

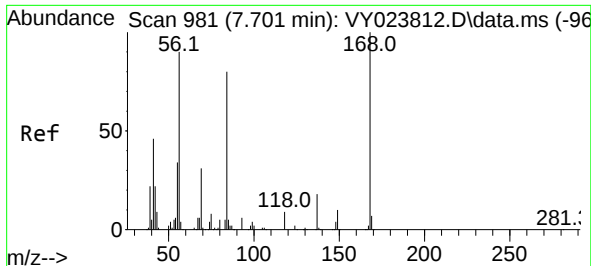
Tgt Ion: 59 Resp: 204
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#16
Acetone
Concen: 2.454 ug/l
RT: 3.854 min Scan# 350
Delta R.T. -0.012 min
Lab File: VY023835.D
Acq: 01 Dec 2025 12:02

Tgt Ion: 43 Resp: 547
Ion Ratio Lower Upper
43 100
58 0.0 25.4 38.2#

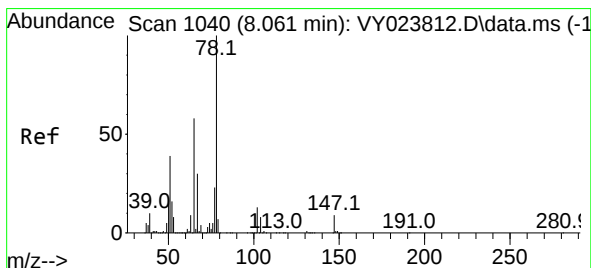
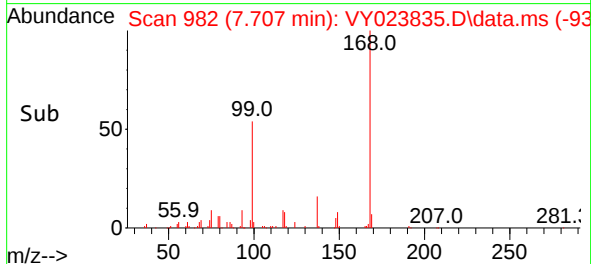
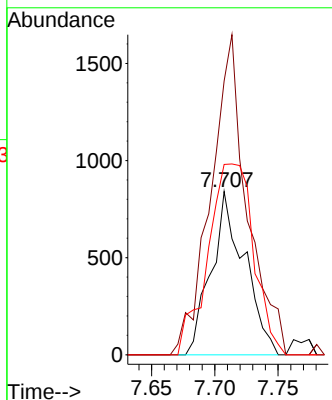
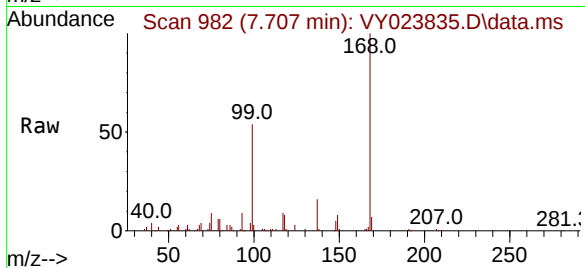




#31
Cyclohexane
Concen: 1.039 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023835.D
Acq: 01 Dec 2025 12:02

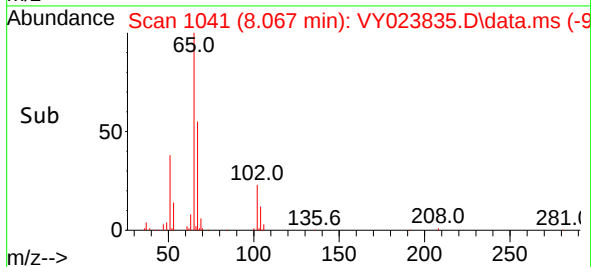
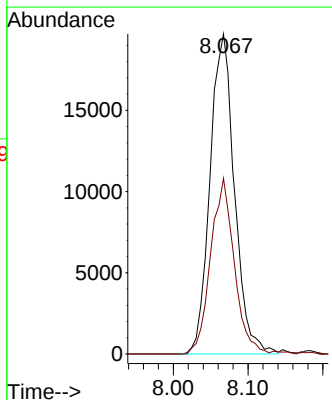
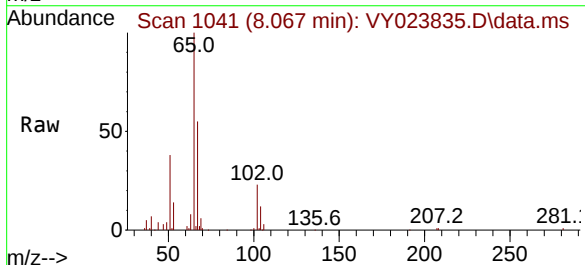
Instrument :
MSVOA_Y
ClientSampleId :
BU-3-112625

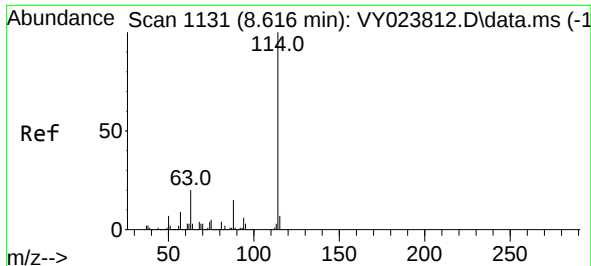
Tgt Ion: 56 Resp: 1546
Ion Ratio Lower Upper
56 100
69 161.0 27.8 41.6#
84 116.5 71.8 107.8#



#33
1,2-Dichloroethane-d4
Concen: 58.002 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023835.D
Acq: 01 Dec 2025 12:02

Tgt Ion: 65 Resp: 44870
Ion Ratio Lower Upper
65 100
67 52.9 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: VY023835.D

Acq: 01 Dec 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

BU-3-112625

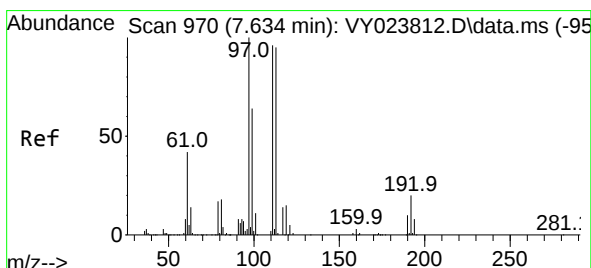
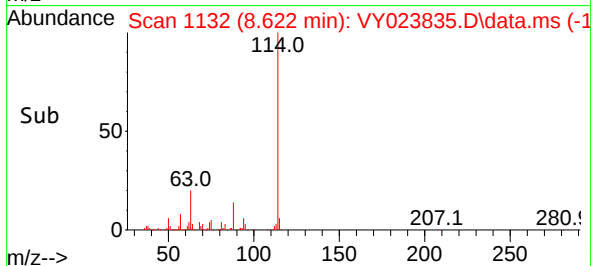
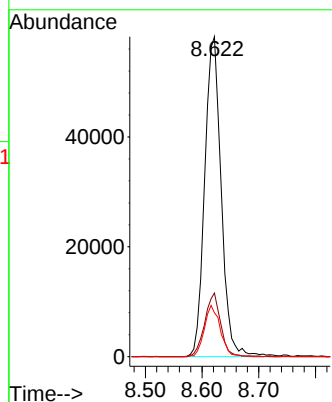
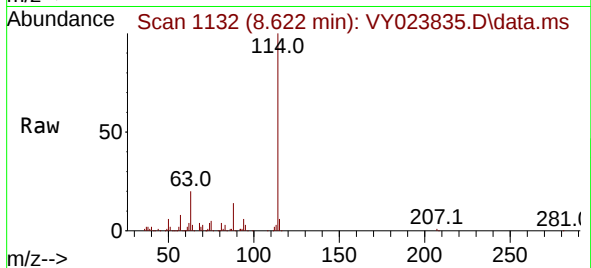
Tgt Ion:114 Resp: 117840

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.4

88 13.7 0.0 30.8



#35

Dibromofluoromethane

Concen: 60.117 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY023835.D

Acq: 01 Dec 2025 12:02

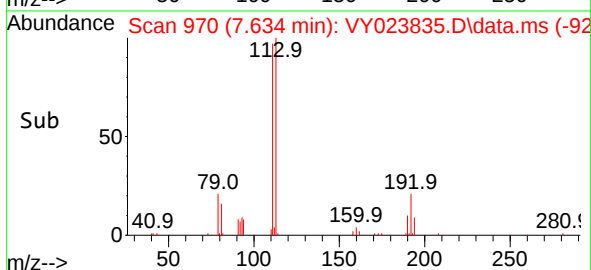
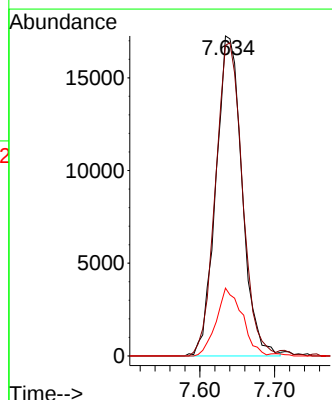
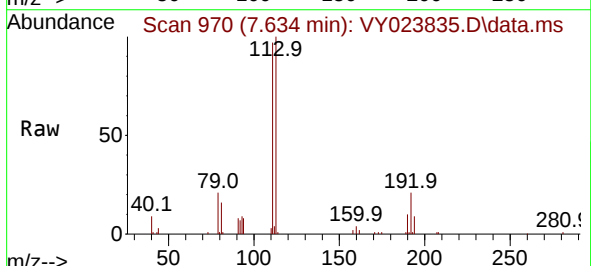
Tgt Ion:113 Resp: 41966

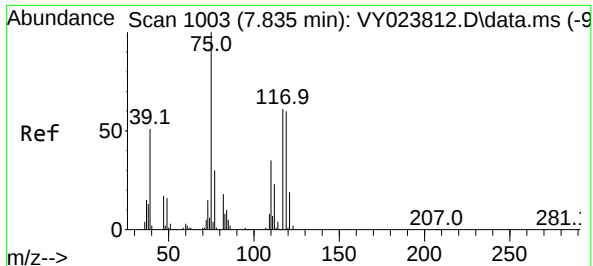
Ion Ratio Lower Upper

113 100

111 100.3 81.4 122.0

192 21.1 15.8 23.8





#36

1,1-Dichloropropene

Concen: 5.759 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY023835.D

Acq: 01 Dec 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

BU-3-112625

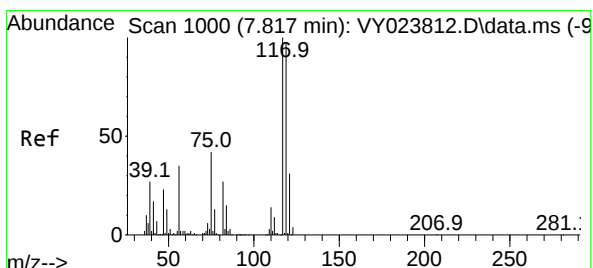
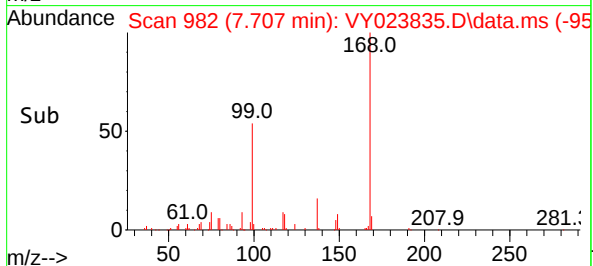
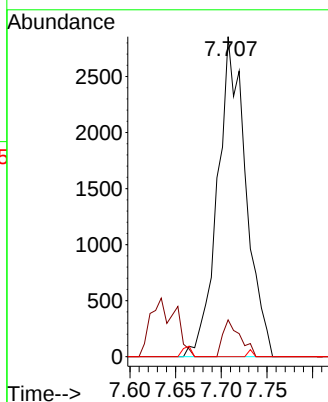
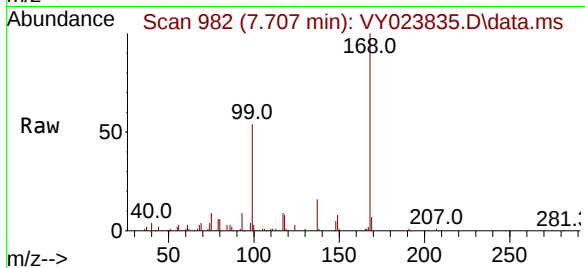
Tgt Ion: 75 Resp: 6164

Ion Ratio Lower Upper

75 100

110 7.0 17.6 52.8#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.517 ug/l

RT: 7.720 min Scan# 984

Delta R.T. -0.097 min

Lab File: VY023835.D

Acq: 01 Dec 2025 12:02

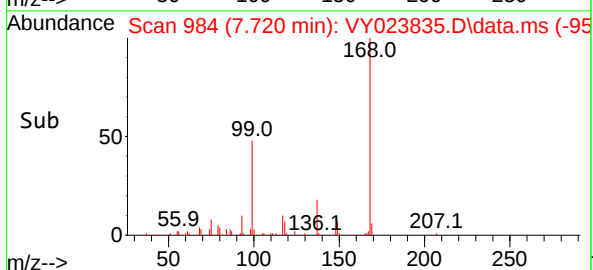
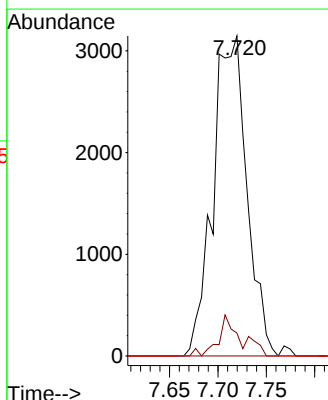
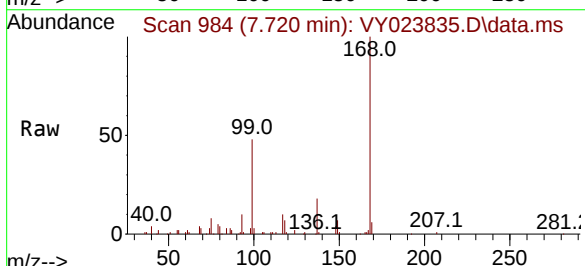
Tgt Ion: 117 Resp: 7657

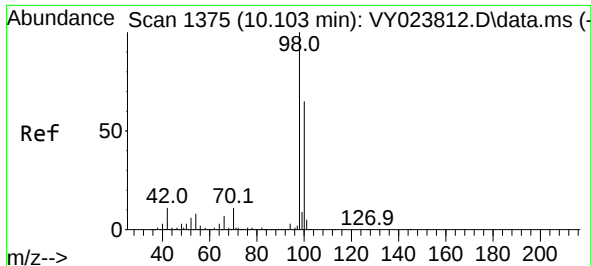
Ion Ratio Lower Upper

117 100

119 7.1 77.3 115.9#

121 0.0 25.0 37.6#

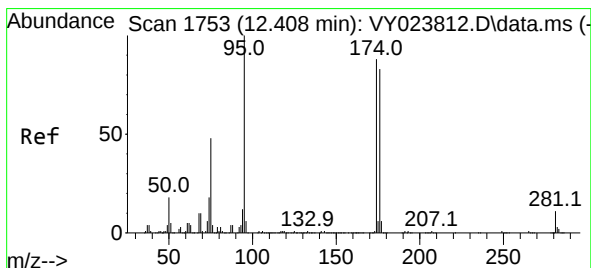
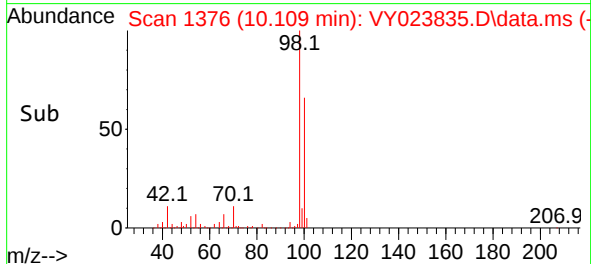
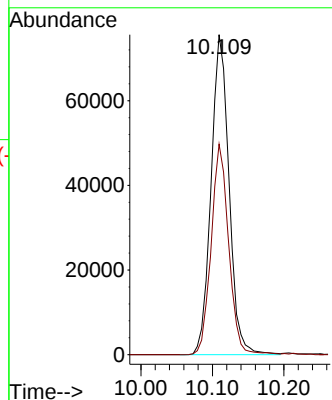
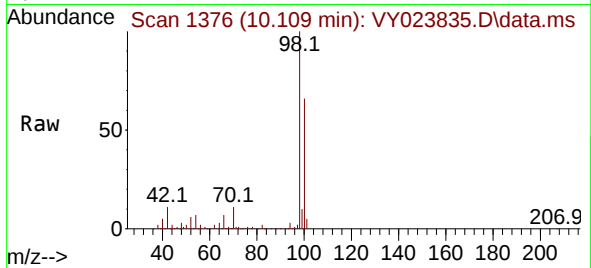




#50
Toluene-d8
Concen: 47.484 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023835.D
Acq: 01 Dec 2025 12:02

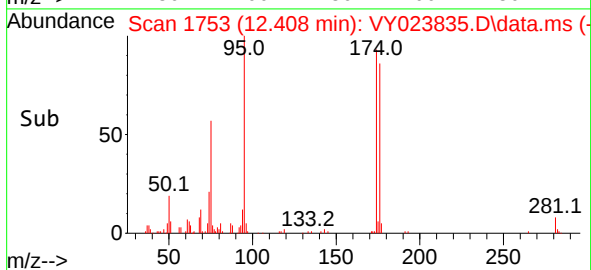
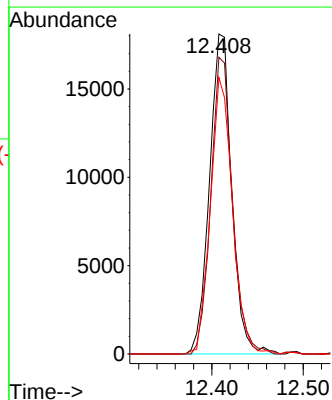
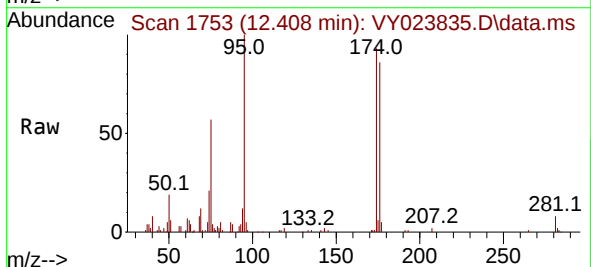
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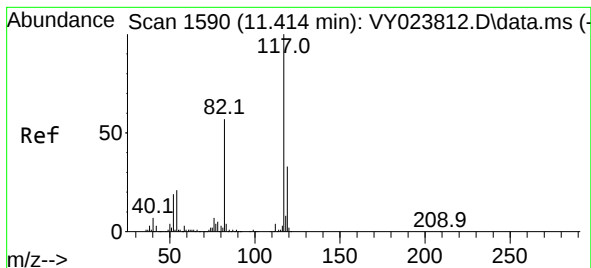
Tgt Ion: 98 Resp: 131661
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 33.456 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY023835.D
Acq: 01 Dec 2025 12:02

Tgt Ion: 95 Resp: 30523
Ion Ratio Lower Upper
95 100
174 90.7 0.0 168.6
176 85.9 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023835.D

Acq: 01 Dec 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

BU-3-112625

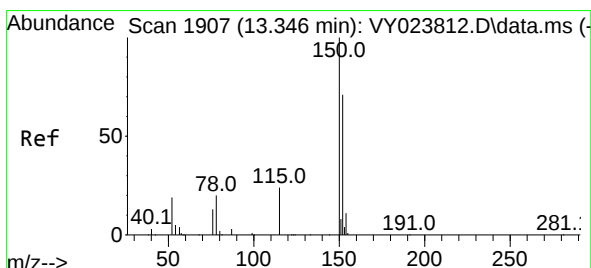
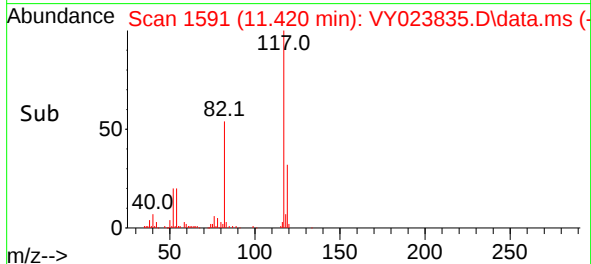
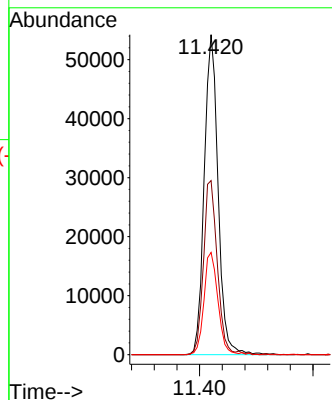
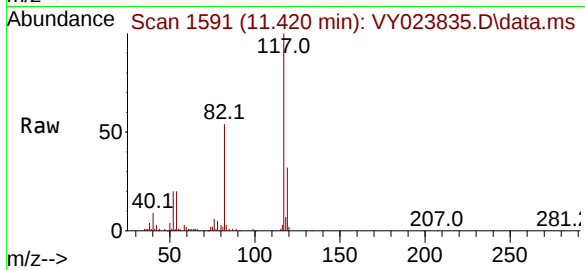
Tgt Ion:117 Resp: 91890

Ion Ratio Lower Upper

117 100

82 54.4 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: VY023835.D

Acq: 01 Dec 2025 12:02

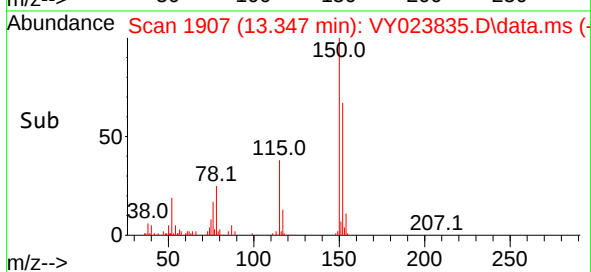
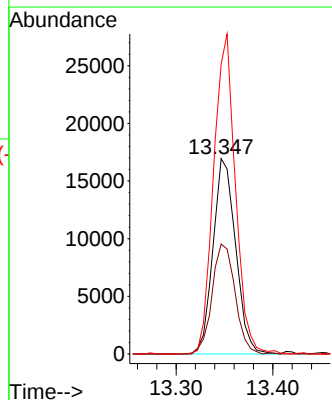
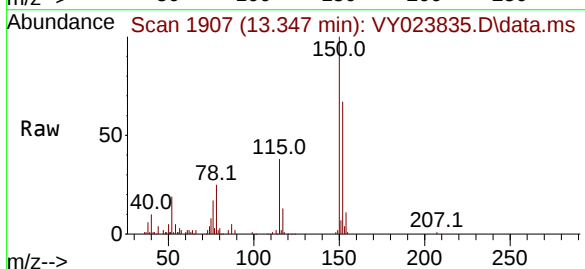
Tgt Ion:152 Resp: 27525

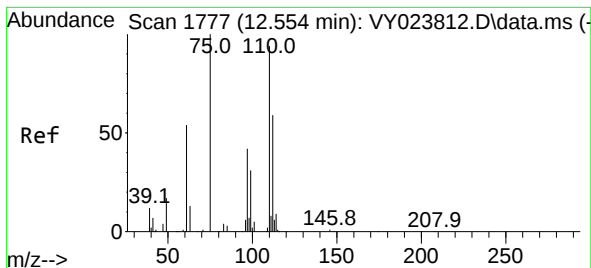
Ion Ratio Lower Upper

152 100

115 57.2 28.7 86.3

150 157.7 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 65.863 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023835.D

Acq: 01 Dec 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

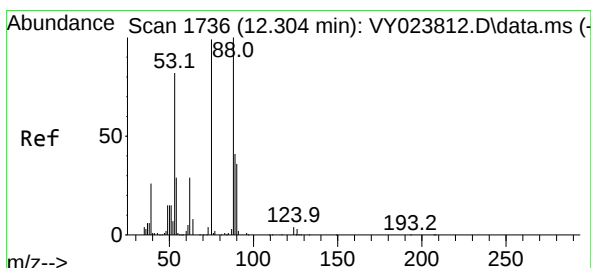
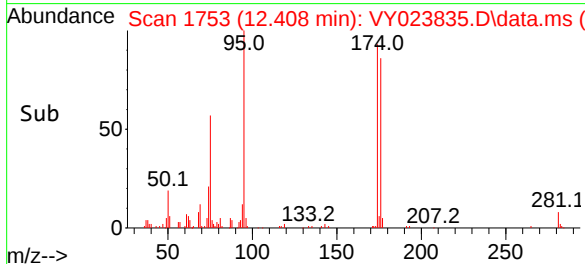
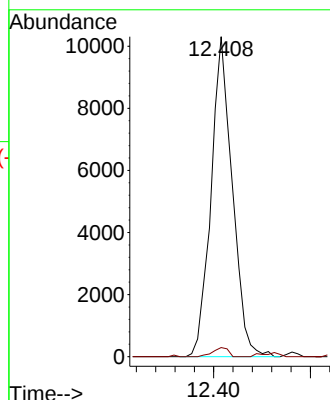
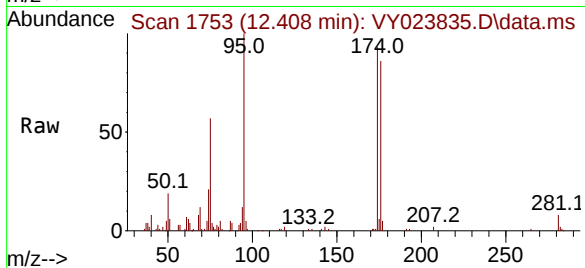
BU-3-112625

Tgt Ion: 75 Resp: 15765

Ion Ratio Lower Upper

75 100

77 2.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 139.214 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY023835.D

Acq: 01 Dec 2025 12:02

Tgt Ion: 75 Resp: 15765

Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

89 0.0 37.0 55.4#

