

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
 Data File : VY023858.D
 Acq On : 02 Dec 2025 14:05
 Operator : SY/MD
 Sample : Q3746-01
 Misc : 4.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 03 01:03:58 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)

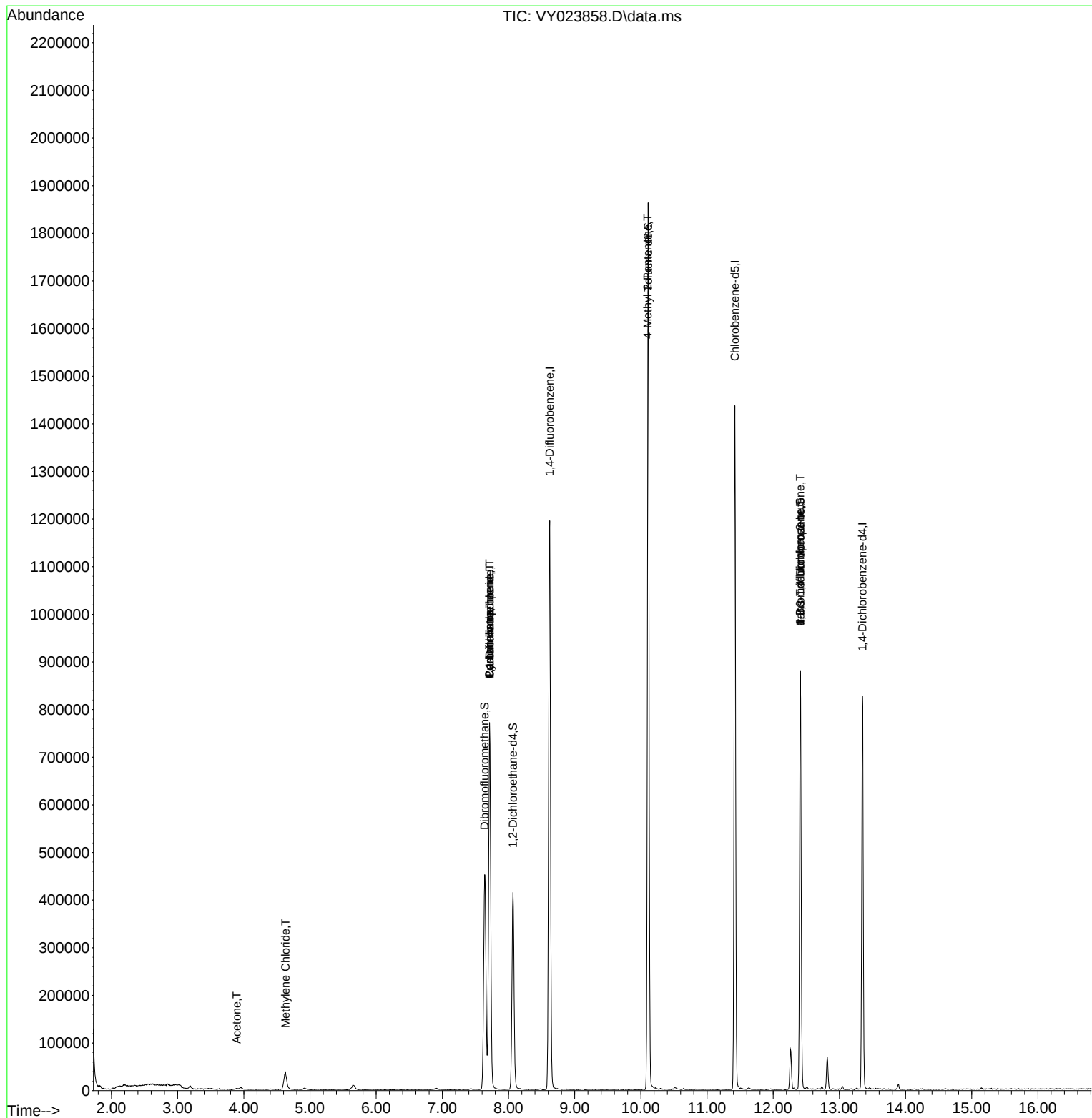
Internal Standards						
1) Pentafluorobenzene	7.713	168	587264	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1030303	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	747016	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	214228	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	327482	57.262	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.520%
35) Dibromofluoromethane	7.640	113	327461	53.652	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.300%
50) Toluene-d8	10.109	98	1197326	49.389	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.780%
62) 4-Bromofluorobenzene	12.408	95	252936	31.709	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	63.420%
Target Compounds						
					Qvalue	
16) Acetone	3.891	43	3776	2.292	ug/l #	80
20) Methylene Chloride	4.629	84	24910	3.576	ug/l #	93
31) Cyclohexane	7.713	56	12965	1.179	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	45061	4.815	ug/l #	50
38) Carbon Tetrachloride	7.713	117	58872	5.731	ug/l #	15
51) 4-Methyl-2-Pentanone	10.103	43	5022	1.160	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	134472	72.182	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	134472	152.571	ug/l #	14

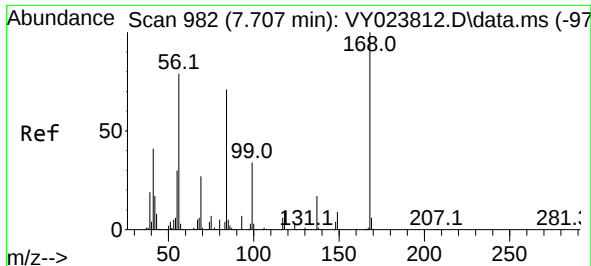
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 03 01:03:58 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

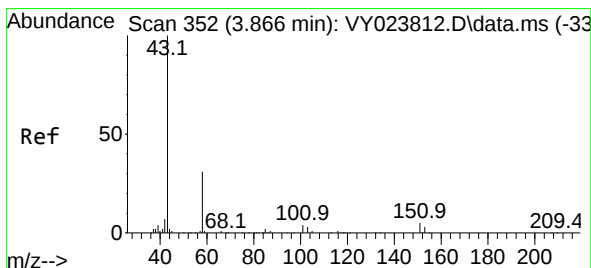
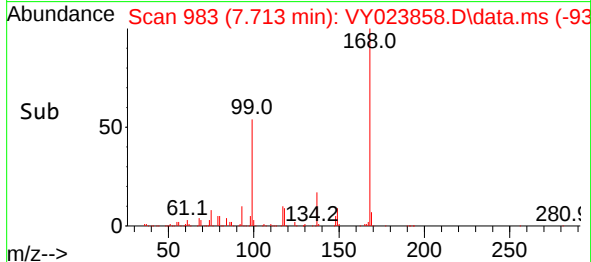
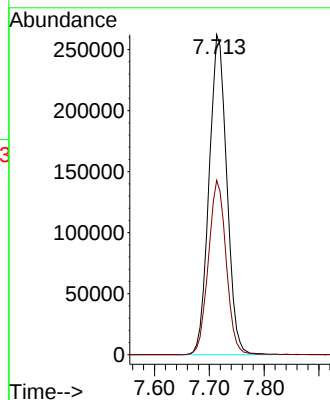
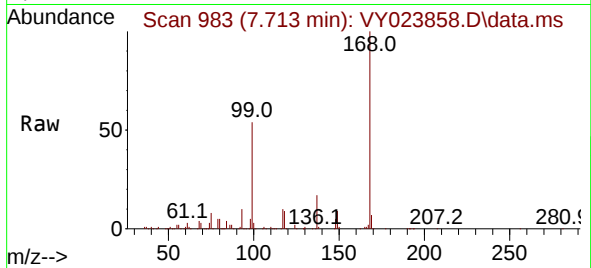




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023858.D
Acq: 02 Dec 2025 14:05

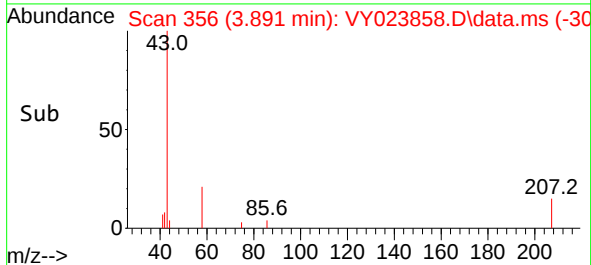
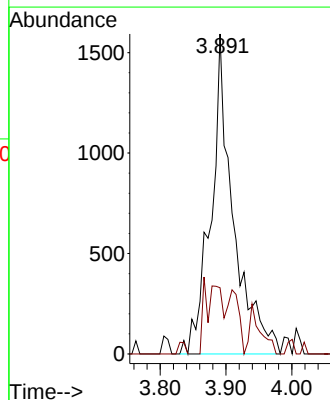
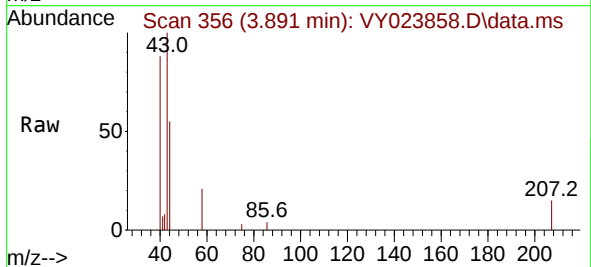
Instrument :
MSVOA_Y
ClientSampleId :

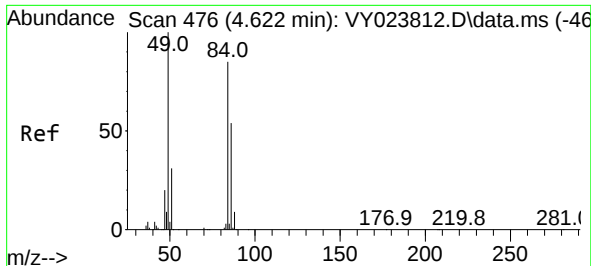
Tgt Ion:168 Resp: 587264
Ion Ratio Lower Upper
168 100
99 54.5 44.0 66.0



#16
Acetone
Concen: 2.292 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.024 min
Lab File: VY023858.D
Acq: 02 Dec 2025 14:05

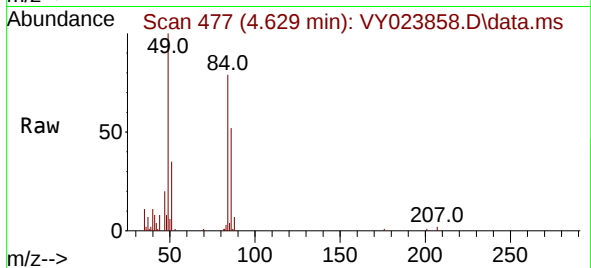
Tgt Ion: 43 Resp: 3776
Ion Ratio Lower Upper
43 100
58 20.7 25.4 38.2#



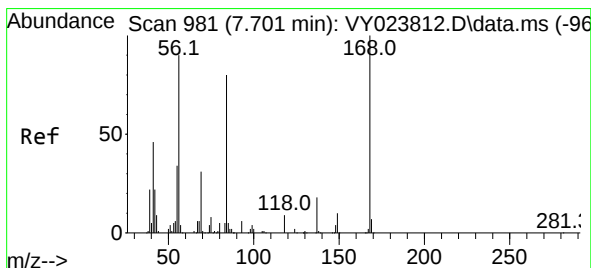
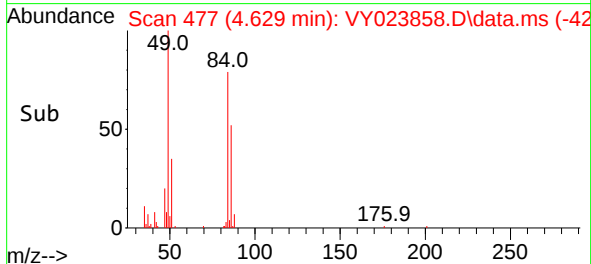
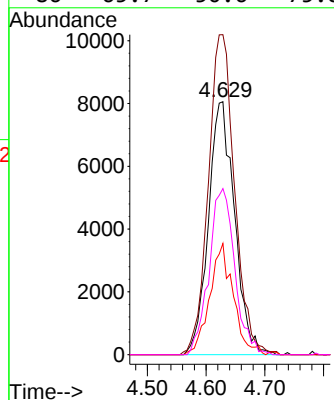


#20
Methylene Chloride
Concen: 3.576 ug/l
RT: 4.629 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023858.D
Acq: 02 Dec 2025 14:05

Instrument :
MSVOA_Y
ClientSampleId :

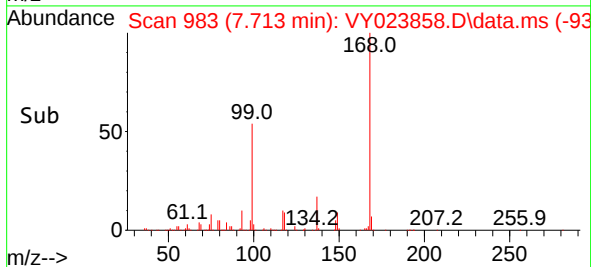
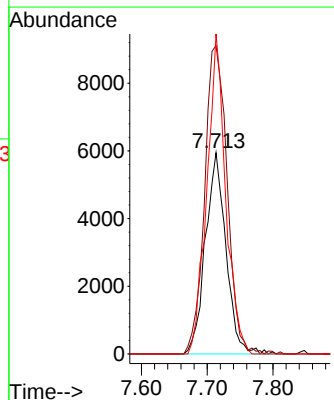
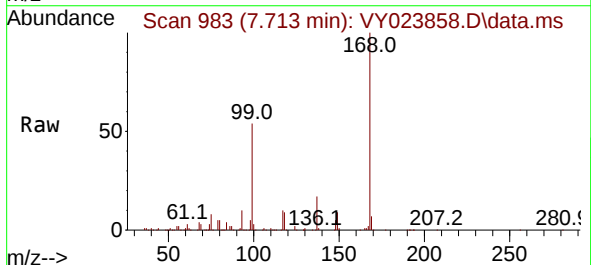


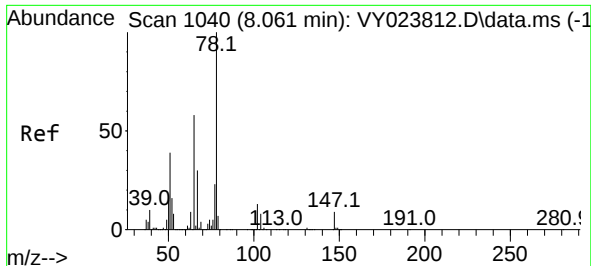
Tgt Ion:	84	Resp:	24910
Ion	Ratio	Lower	Upper
84	100		
49	126.5	94.0	141.0
51	43.9	29.2	43.8#
86	65.7	50.6	75.8



#31
Cyclohexane
Concen: 1.179 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY023858.D
Acq: 02 Dec 2025 14:05

Tgt Ion:	56	Resp:	12965
Ion	Ratio	Lower	Upper
56	100		
69	153.3	27.8	41.6#
84	159.0	71.8	107.8#





#33

1,2-Dichloroethane-d4

Concen: 57.262 ug/l

RT: 8.067 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023858.D

Acq: 02 Dec 2025 14:05

Instrument :

MSVOA_Y

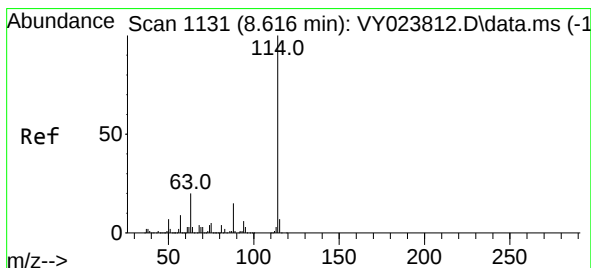
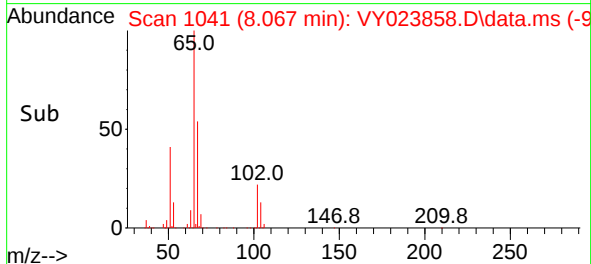
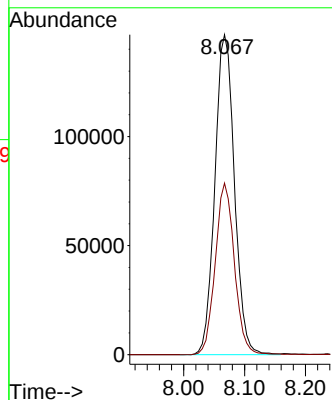
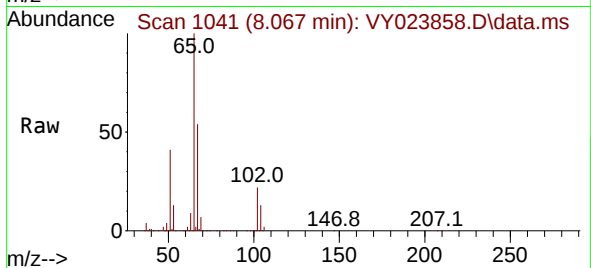
ClientSampleId :

Tgt Ion: 65 Resp: 327482

Ion Ratio Lower Upper

65 100

67 52.6 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: VY023858.D

Acq: 02 Dec 2025 14:05

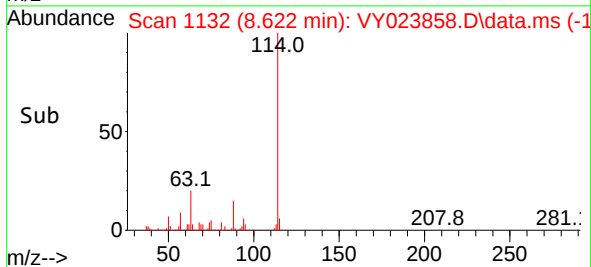
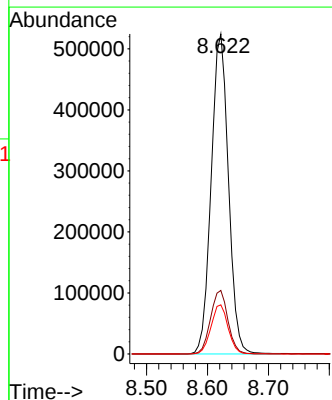
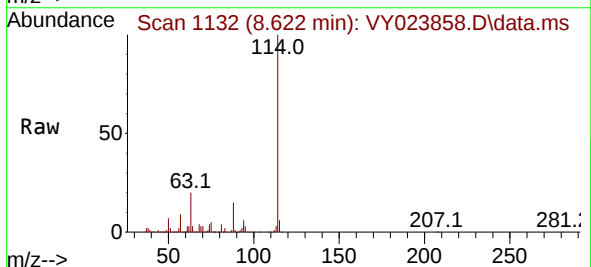
Tgt Ion:114 Resp: 1030303

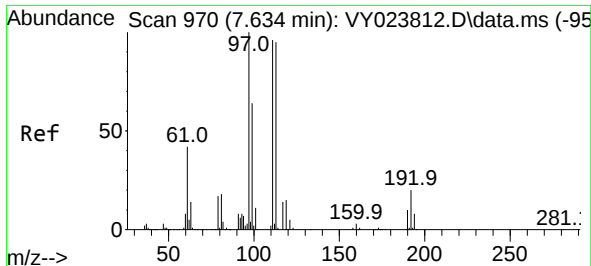
Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.4

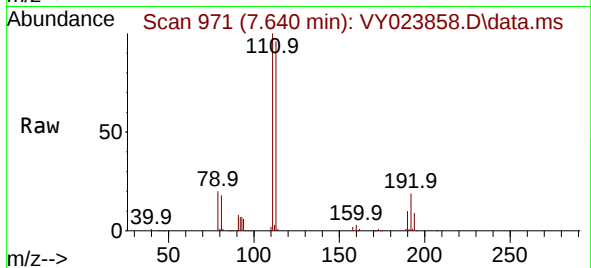
88 15.4 0.0 30.8



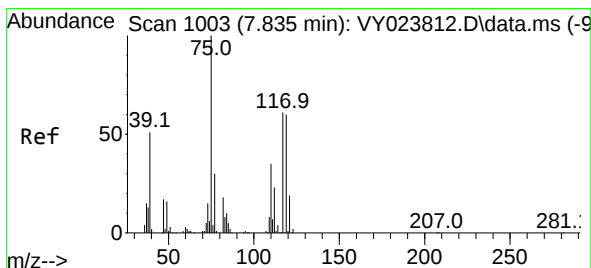
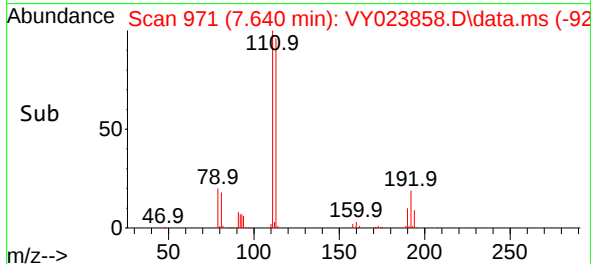
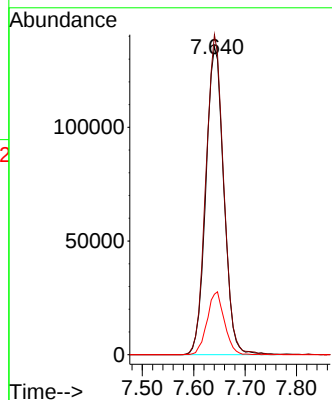


#35
Dibromofluoromethane
Concen: 53.652 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023858.D
Acq: 02 Dec 2025 14:05

Instrument :
MSVOA_Y
ClientSampleId :

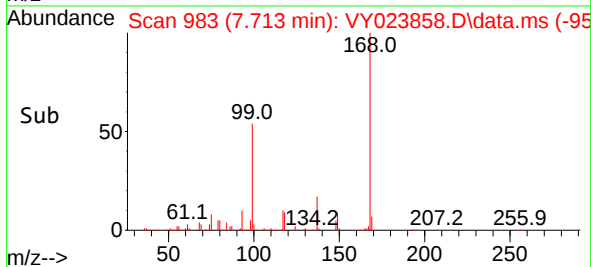
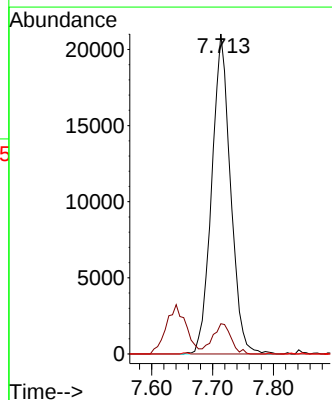
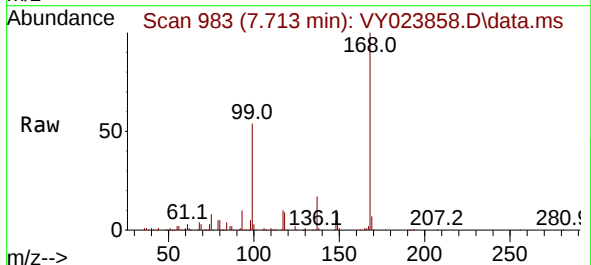


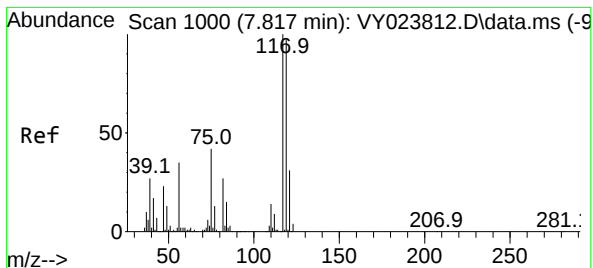
Tgt Ion:113 Resp: 327461
Ion Ratio Lower Upper
113 100
111 103.2 81.4 122.0
192 19.7 15.8 23.8



#36
1,1-Dichloropropene
Concen: 4.815 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY023858.D
Acq: 02 Dec 2025 14:05

Tgt Ion: 75 Resp: 45061
Ion Ratio Lower Upper
75 100
110 9.2 17.6 52.8#
77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 5.731 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.104 min

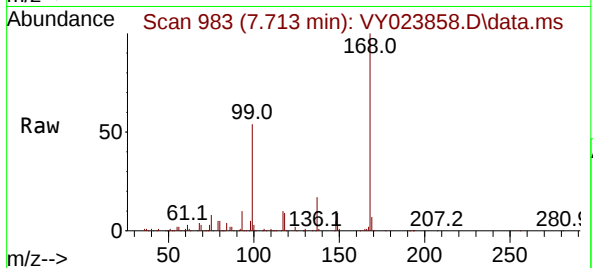
Lab File: VY023858.D

Acq: 02 Dec 2025 14:05

Instrument :

MSVOA_Y

ClientSampleId :



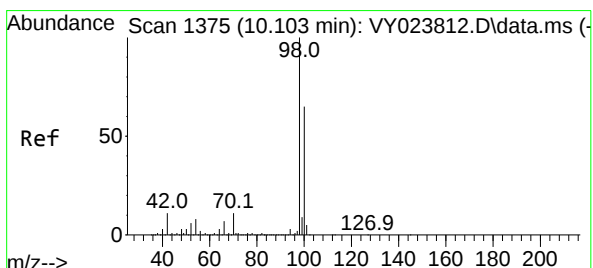
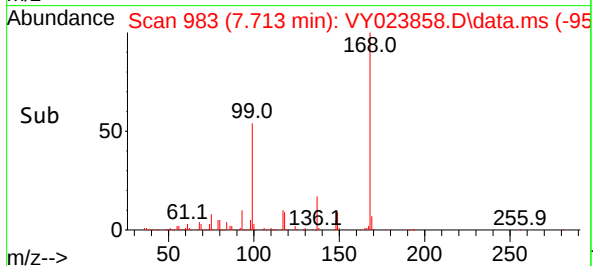
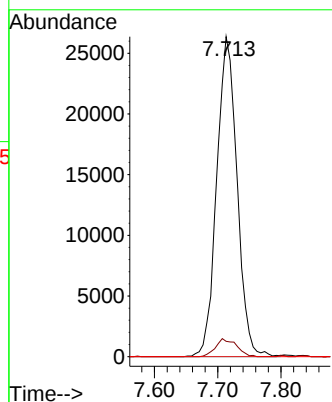
Tgt Ion:117 Resp: 58872

Ion Ratio Lower Upper

117 100

119 4.8 77.3 115.9#

121 0.0 25.0 37.6#



#50

Toluene-d8

Concen: 49.389 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023858.D

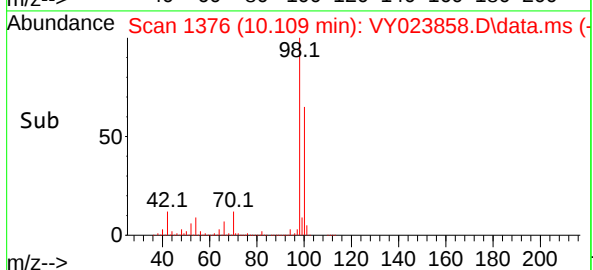
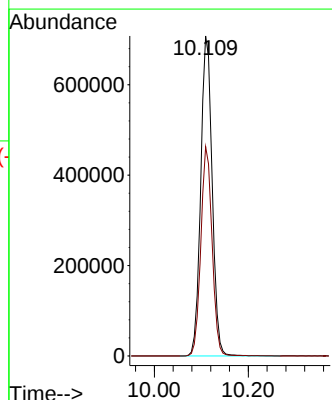
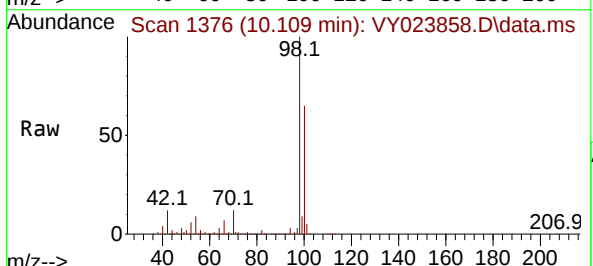
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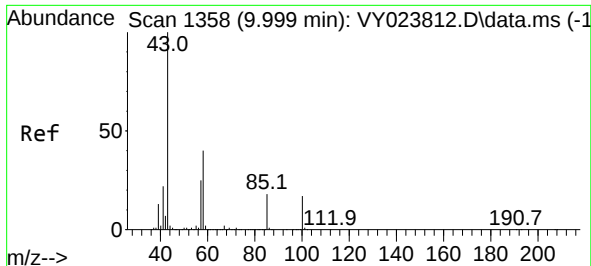
Tgt Ion: 98 Resp: 1197326

Ion Ratio Lower Upper

98 100

100 64.4 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 1.160 ug/l

RT: 10.103 min Scan# 1

Delta R.T. 0.104 min

Lab File: VY023858.D

Acq: 02 Dec 2025 14:05

Instrument :

MSVOA_Y

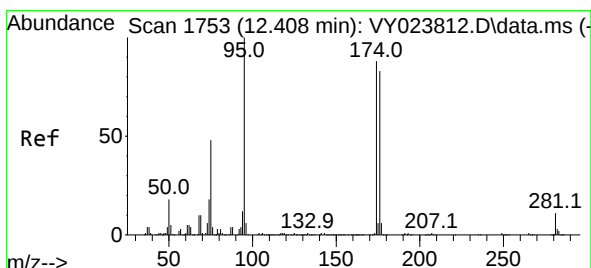
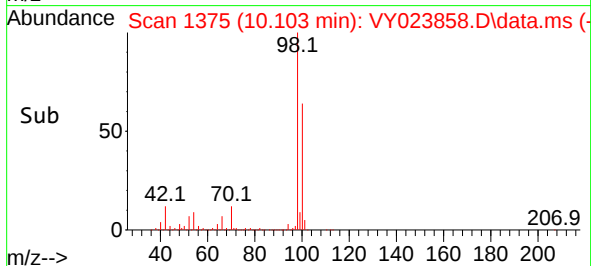
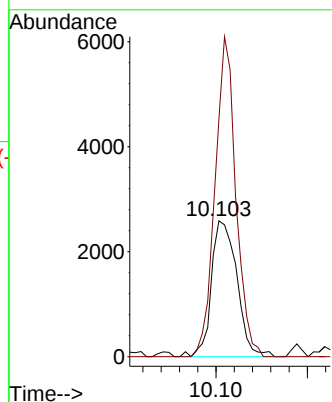
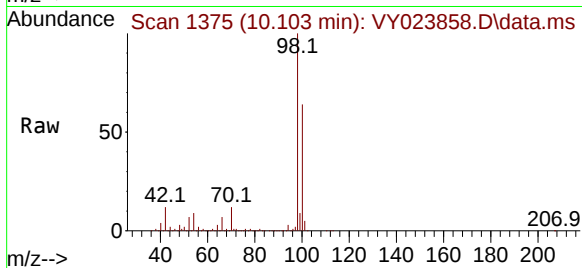
ClientSampleId :

Tgt Ion: 43 Resp: 5022

Ion Ratio Lower Upper

43 100

58 192.4 32.4 48.6#



#62

4-Bromofluorobenzene

Concen: 31.709 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY023858.D

Acq: 02 Dec 2025 14:05

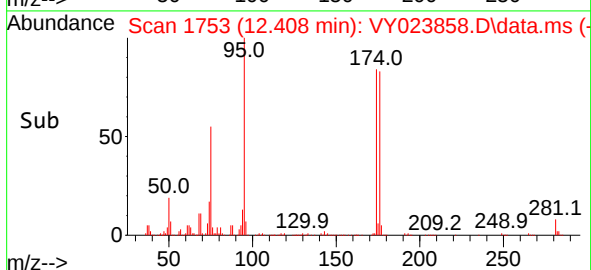
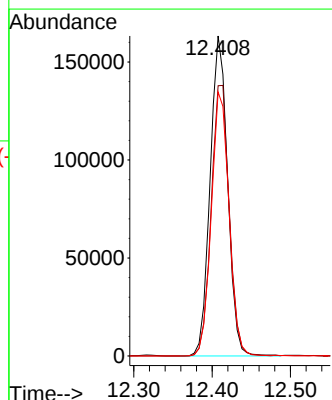
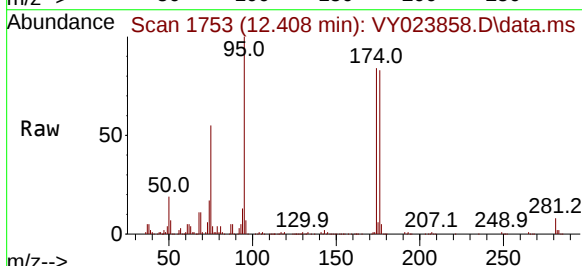
Tgt Ion: 95 Resp: 252936

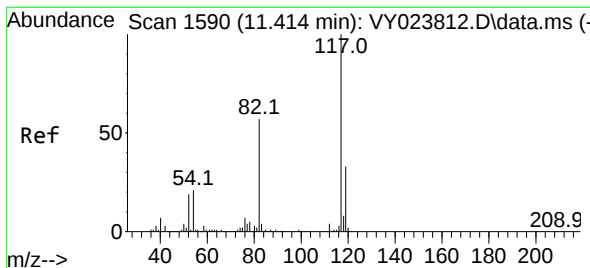
Ion Ratio Lower Upper

95 100

174 87.6 0.0 168.6

176 83.6 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

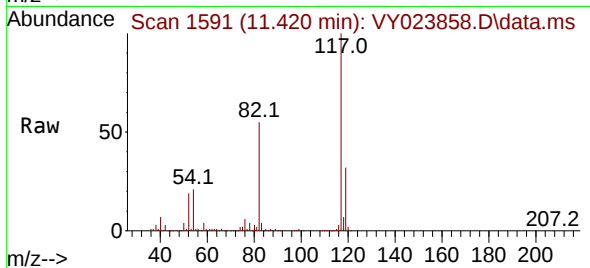
Lab File: VY023858.D

Acq: 02 Dec 2025 14:05

Instrument :

MSVOA_Y

ClientSampleId :



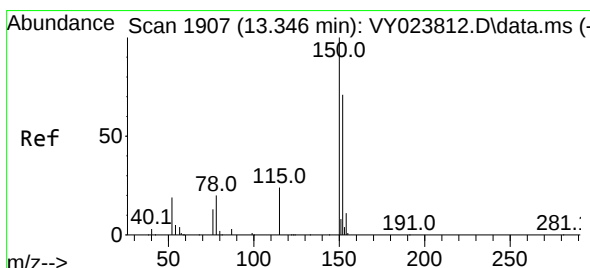
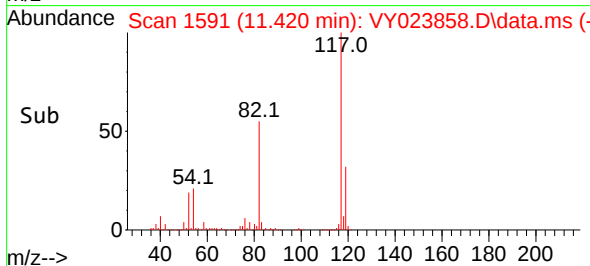
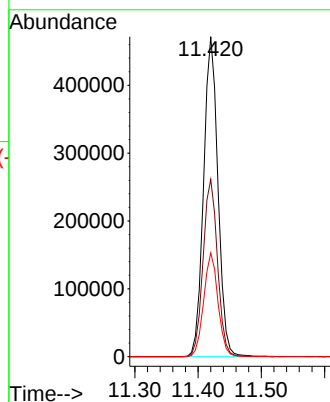
Tgt Ion:117 Resp: 747016

Ion Ratio Lower Upper

117 100

82 55.4 45.4 68.0

119 32.5 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: VY023858.D

Acq: 02 Dec 2025 14:05

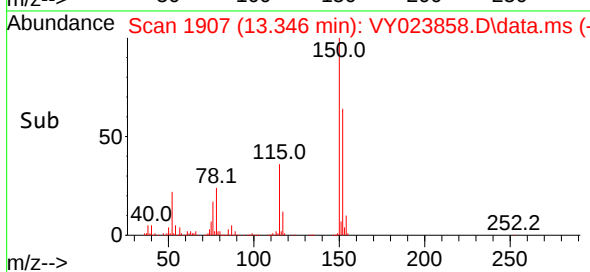
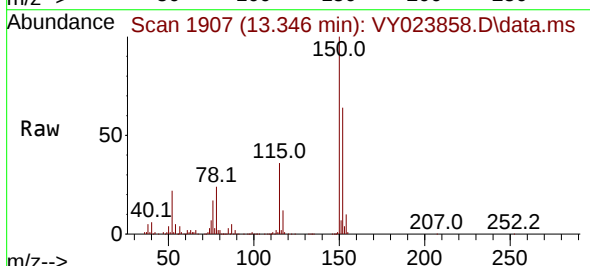
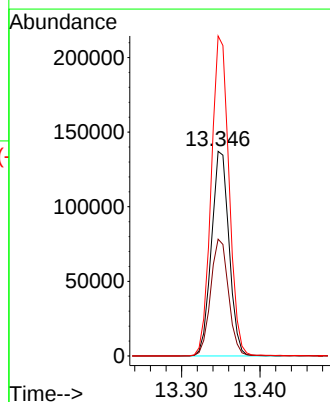
Tgt Ion:152 Resp: 214228

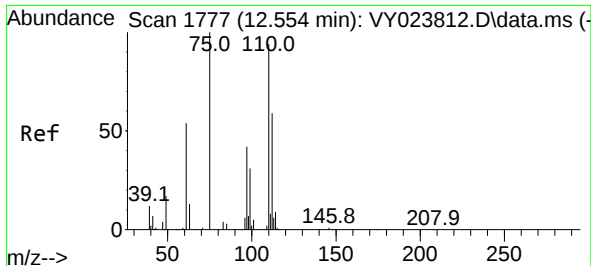
Ion Ratio Lower Upper

152 100

115 57.8 28.7 86.3

150 157.8 0.0 345.6

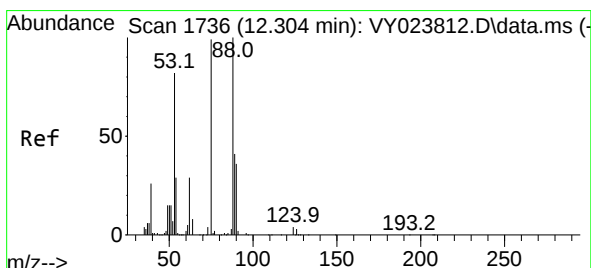
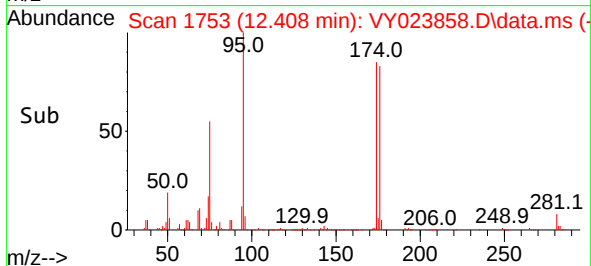
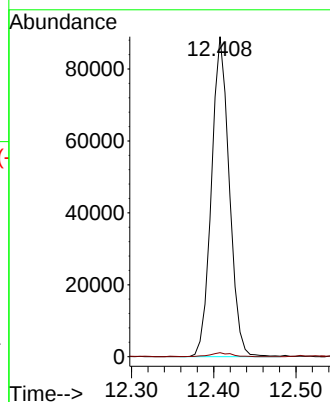
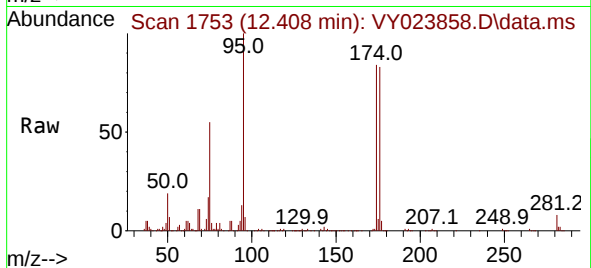




#76
1,2,3-Trichloropropane
Concen: 72.182 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023858.D
Acq: 02 Dec 2025 14:05

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 134472
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 152.571 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY023858.D
Acq: 02 Dec 2025 14:05

Tgt Ion: 75 Resp: 134472
Ion Ratio Lower Upper
75 100
53 0.3 71.3 106.9#
89 0.3 37.0 55.4#

