

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103125\
 Data File : VY023637.D
 Acq On : 31 Oct 2025 09:19
 Operator : SY/MD
 Sample : VY1031SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1031SBL01

Quant Time: Nov 01 03:20:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

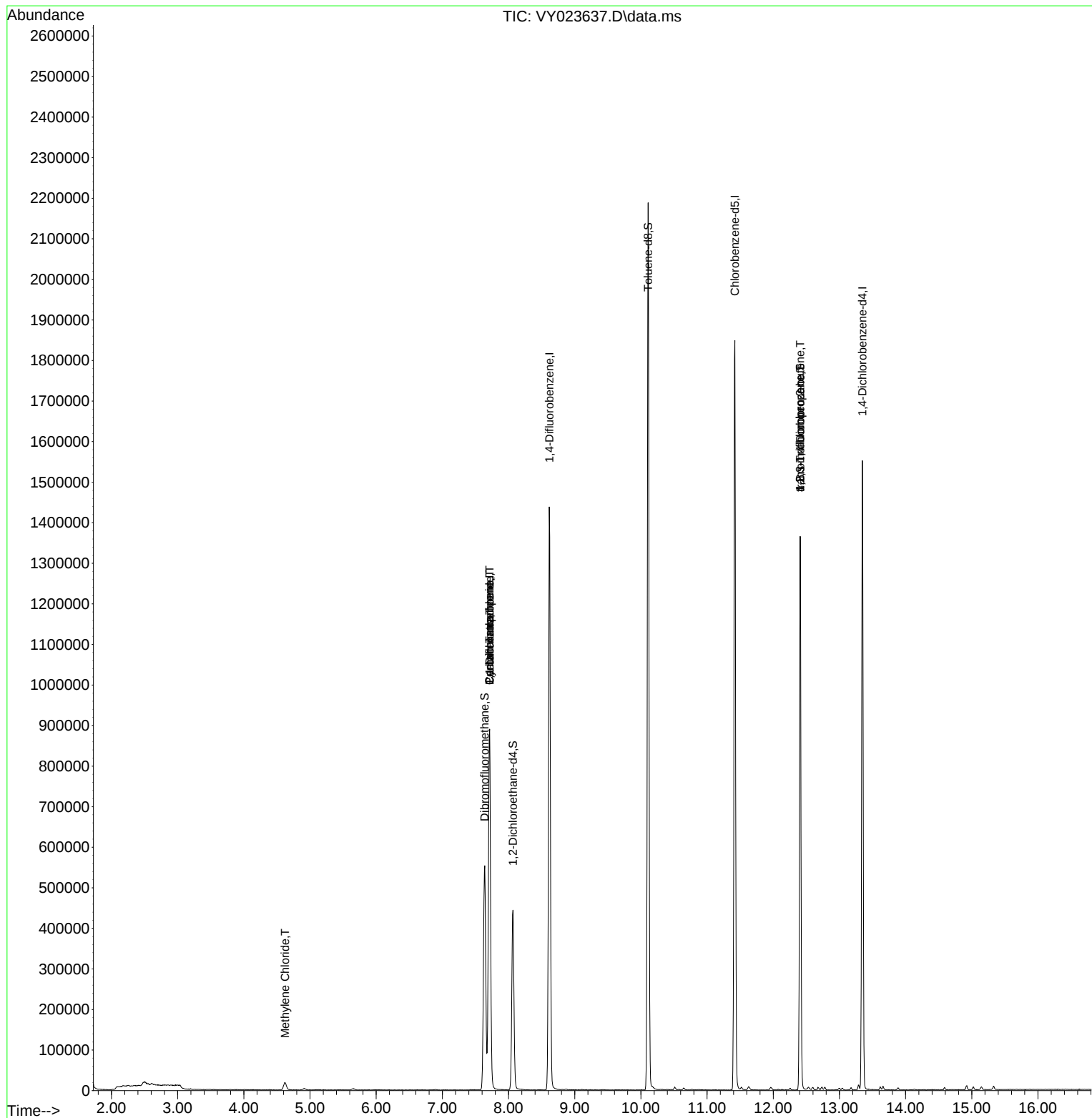
Internal Standards						
1) Pentafluorobenzene	7.713	168	741766	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1285361	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1055514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	411190	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	350029	56.431	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.860%	
35) Dibromofluoromethane	7.640	113	401582	50.846	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.700%	
50) Toluene-d8	10.109	98	1445646	49.150	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.300%	
62) 4-Bromofluorobenzene	12.408	95	395414	40.720	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 81.440%	
Target Compounds						Qvalue
20) Methylene Chloride	4.622	84	14342	1.796	ug/l	94
31) Cyclohexane	7.713	56	13195	1.279	ug/l #	9
36) 1,1-Dichloropropene	7.713	75	50042	4.786	ug/l #	48
38) Carbon Tetrachloride	7.713	117	69107	5.451	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	196190	54.080	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	196190	132.614	ug/l #	15

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

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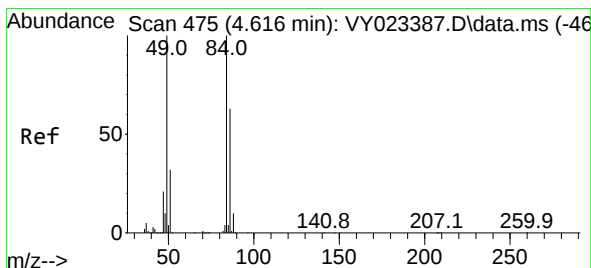
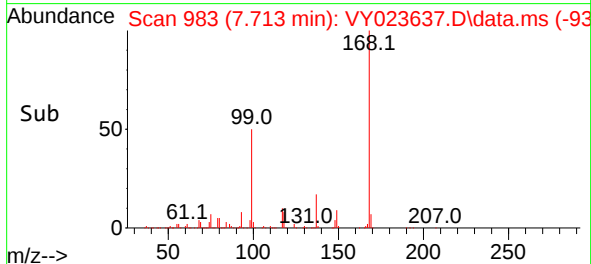
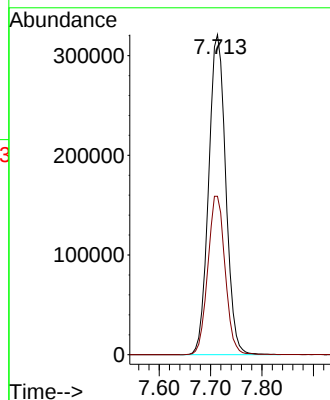
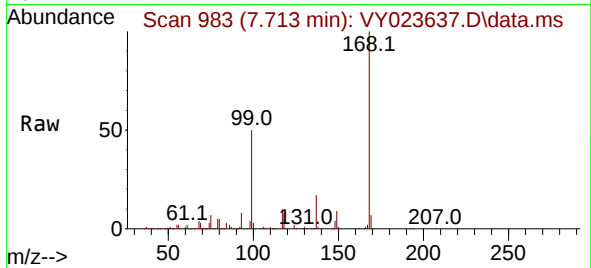




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023637.D
Acq: 31 Oct 2025 09:19

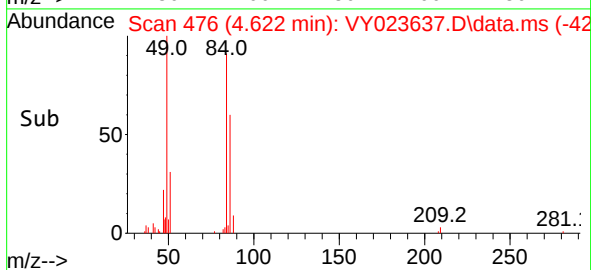
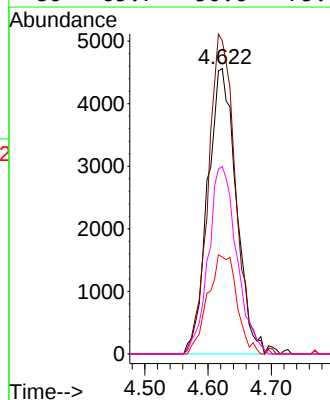
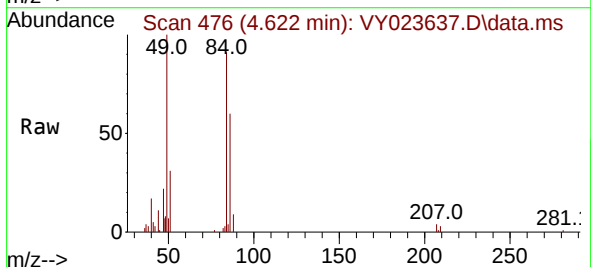
Instrument :
MSVOA_Y
ClientSampleId :
VY1031SBL01

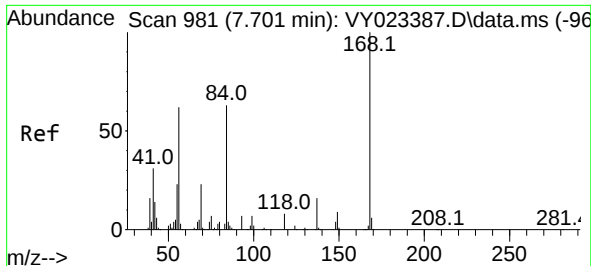
Tgt Ion:168 Resp: 741766
Ion Ratio Lower Upper
168 100
99 49.5 39.7 59.5



#20
Methylene Chloride
Concen: 1.796 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023637.D
Acq: 31 Oct 2025 09:19

Tgt Ion: 84 Resp: 14342
Ion Ratio Lower Upper
84 100
49 109.6 80.2 120.4
51 34.0 25.9 38.9
86 65.7 50.6 75.8

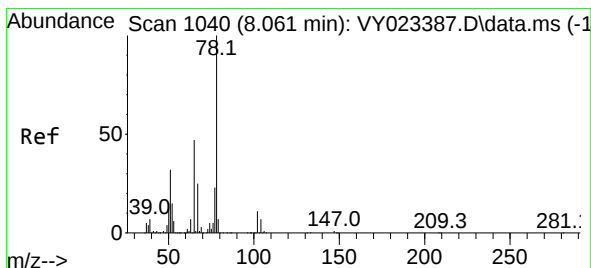
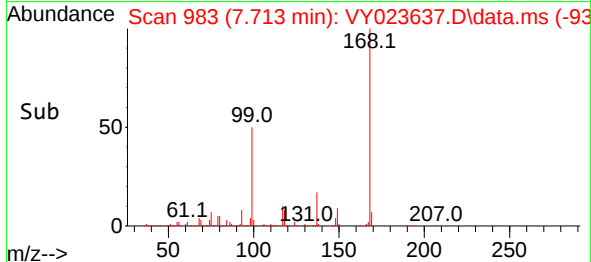
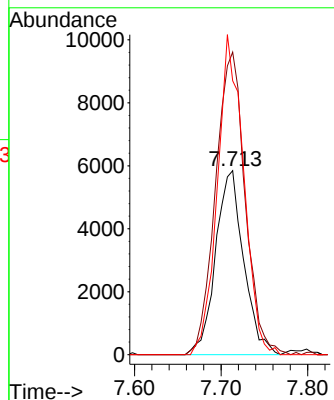
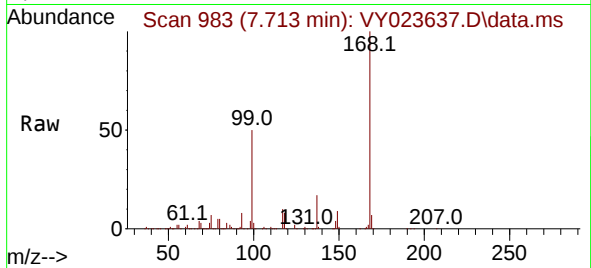




#31
Cyclohexane
Concen: 1.279 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY023637.D
Acq: 31 Oct 2025 09:19

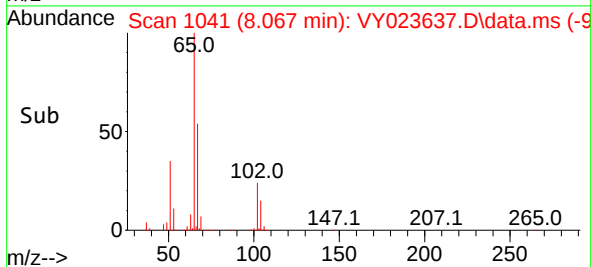
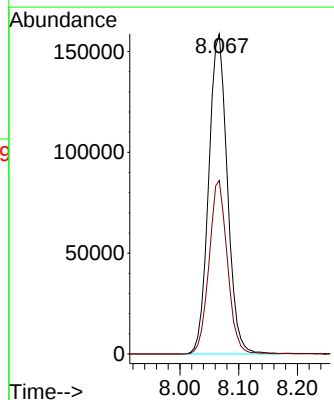
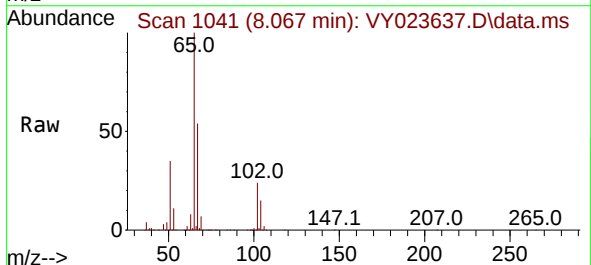
Instrument :
MSVOA_Y
ClientSampleId :
VY1031SBL01

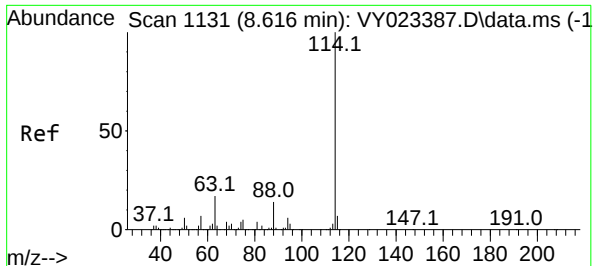
Tgt Ion: 56 Resp: 13195
Ion Ratio Lower Upper
56 100
69 164.4 30.0 45.0#
84 148.9 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 56.431 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023637.D
Acq: 31 Oct 2025 09:19

Tgt Ion: 65 Resp: 350029
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023637.D

Acq: 31 Oct 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBL01

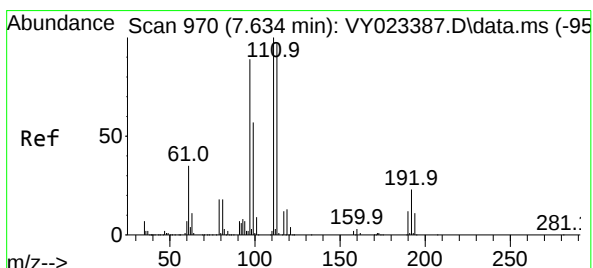
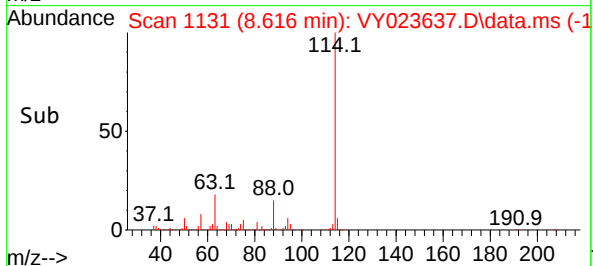
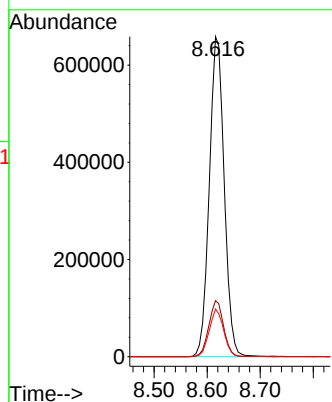
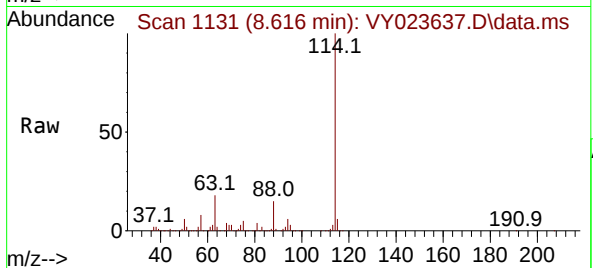
Tgt Ion:114 Resp: 1285361

Ion Ratio Lower Upper

114 100

63 17.5 0.0 34.2

88 14.9 0.0 28.4



#35

Dibromofluoromethane

Concen: 50.846 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023637.D

Acq: 31 Oct 2025 09:19

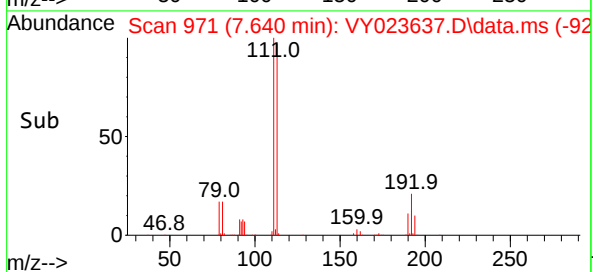
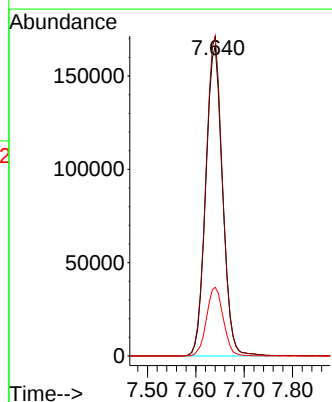
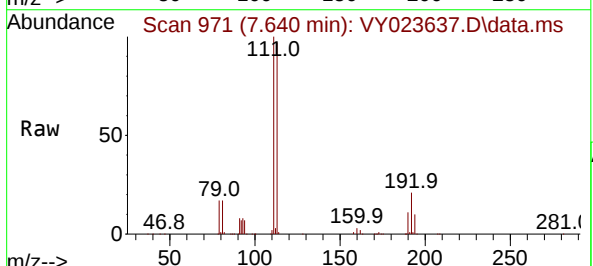
Tgt Ion:113 Resp: 401582

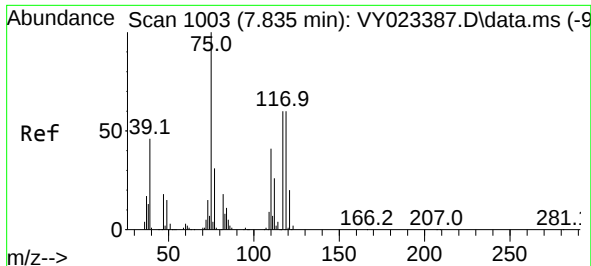
Ion Ratio Lower Upper

113 100

111 102.5 81.8 122.6

192 22.1 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.786 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY023637.D

Acq: 31 Oct 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBL01

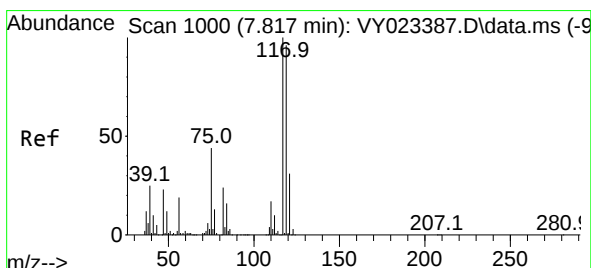
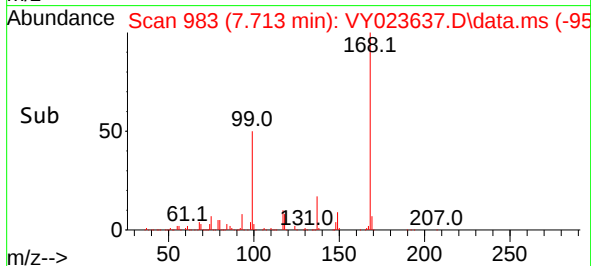
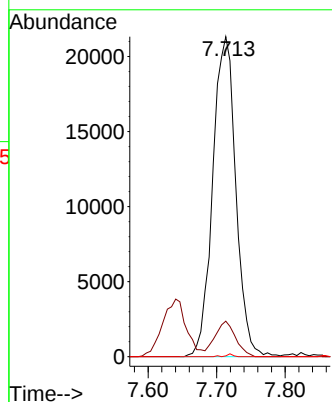
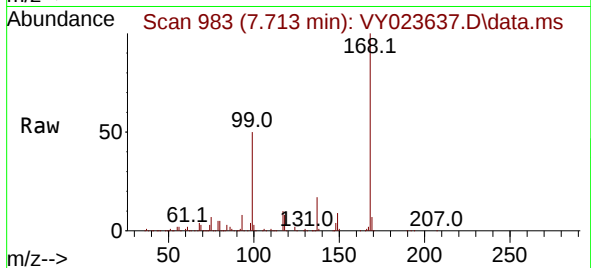
Tgt Ion: 75 Resp: 50042

Ion Ratio Lower Upper

75 100

110 9.8 19.9 59.7#

77 0.3 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.451 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023637.D

Acq: 31 Oct 2025 09:19

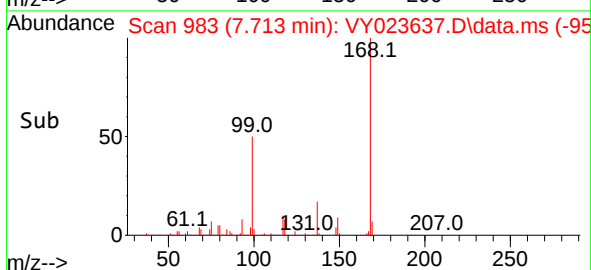
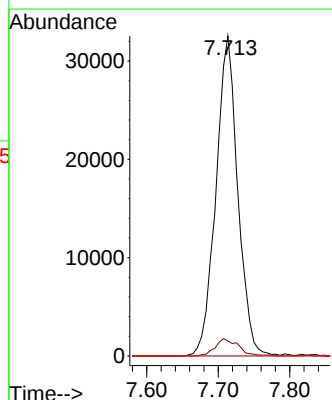
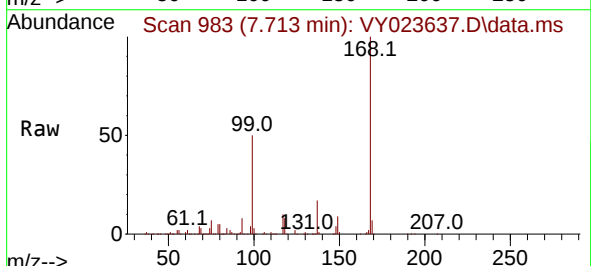
Tgt Ion: 117 Resp: 69107

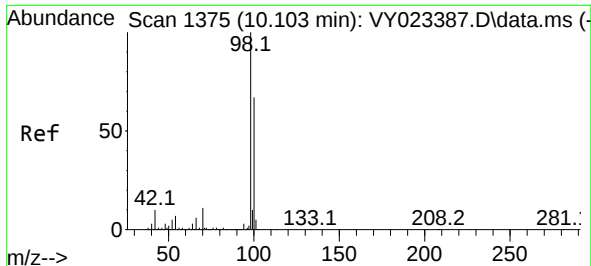
Ion Ratio Lower Upper

117 100

119 4.7 76.8 115.2#

121 0.0 24.5 36.7#

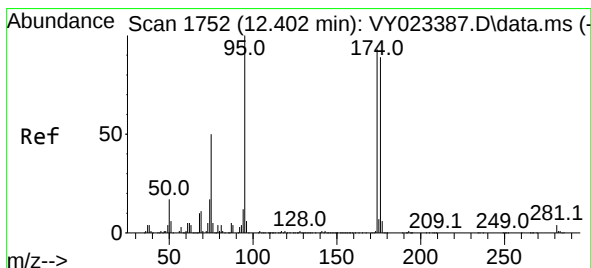
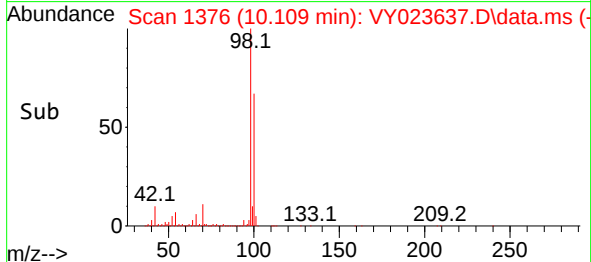
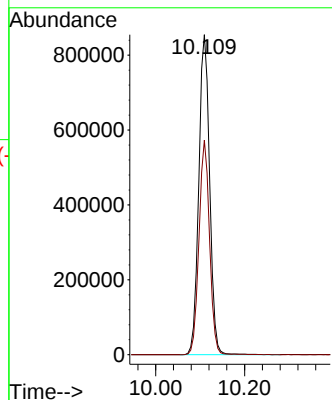
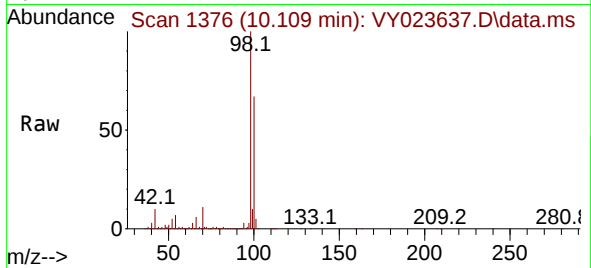




#50
Toluene-d8
Concen: 49.150 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023637.D
Acq: 31 Oct 2025 09:19

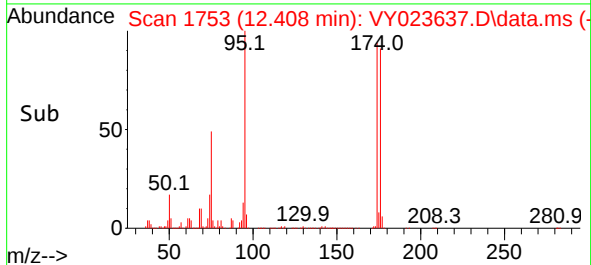
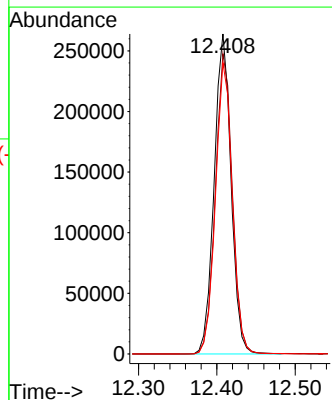
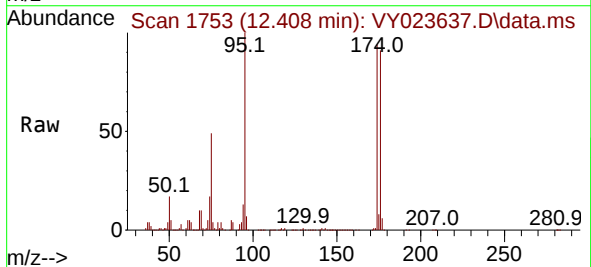
Instrument :
MSVOA_Y
ClientSampleId :
VY1031SBL01

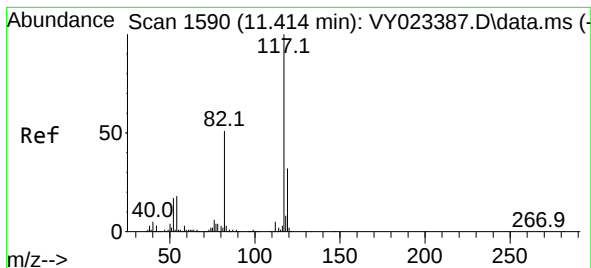
Tgt Ion: 98 Resp: 1445646
Ion Ratio Lower Upper
98 100
100 65.3 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 40.720 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023637.D
Acq: 31 Oct 2025 09:19

Tgt Ion: 95 Resp: 395414
Ion Ratio Lower Upper
95 100
174 94.7 0.0 192.8
176 90.7 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023637.D

Acq: 31 Oct 2025 09:19

Instrument :

MSVOA_Y

ClientSampleId :

VY1031SBL01

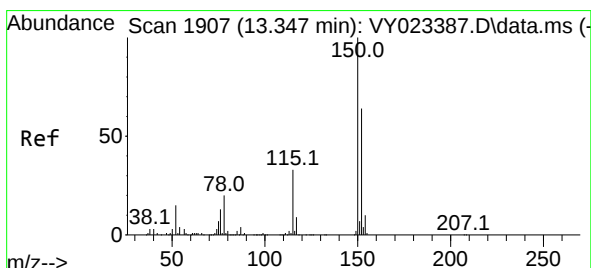
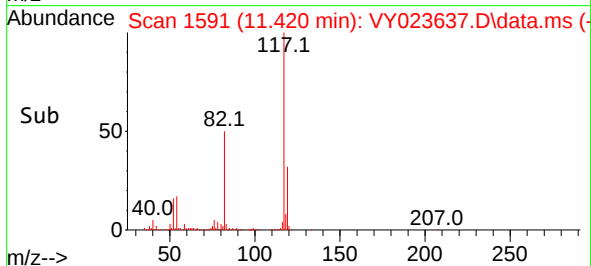
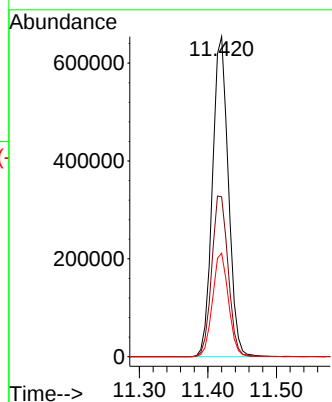
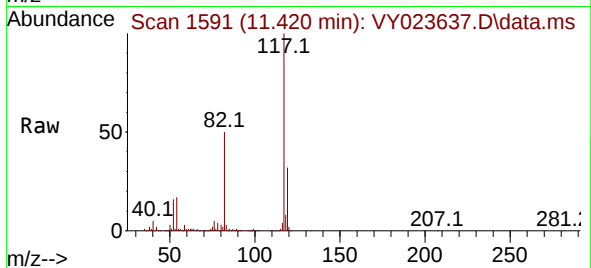
Tgt Ion:117 Resp: 1055514

Ion Ratio Lower Upper

117 100

82 50.0 41.0 61.4

119 32.3 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023637.D

Acq: 31 Oct 2025 09:19

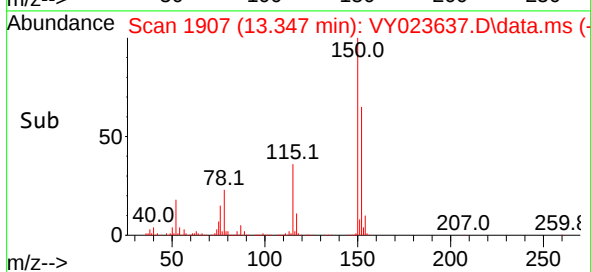
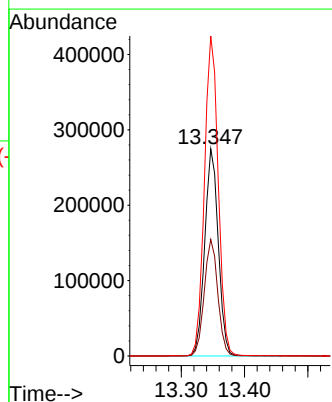
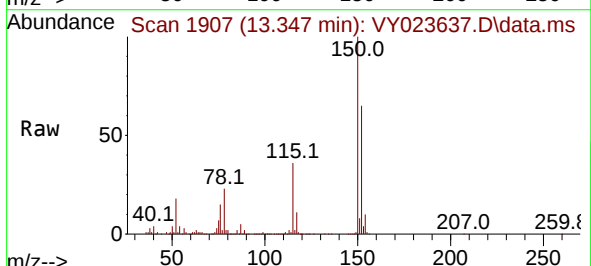
Tgt Ion:152 Resp: 411190

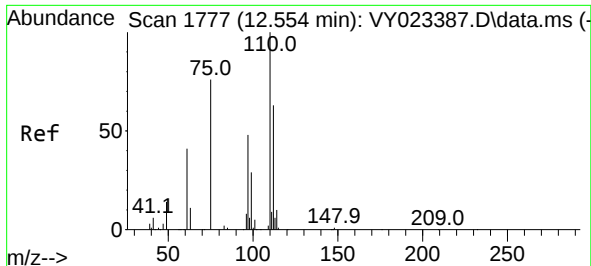
Ion Ratio Lower Upper

152 100

115 55.9 27.1 81.2

150 157.2 0.0 347.4

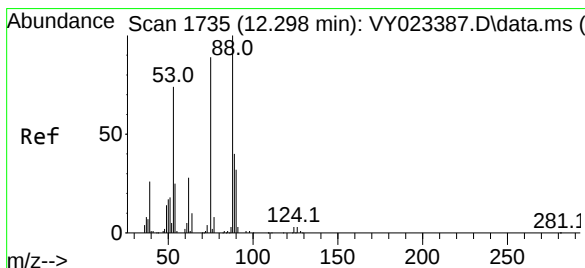
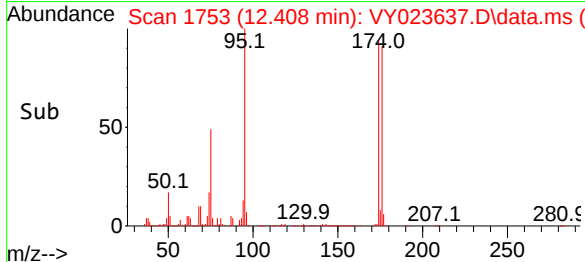
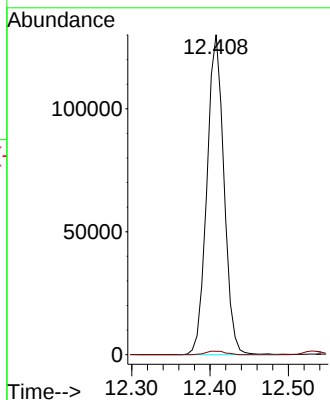
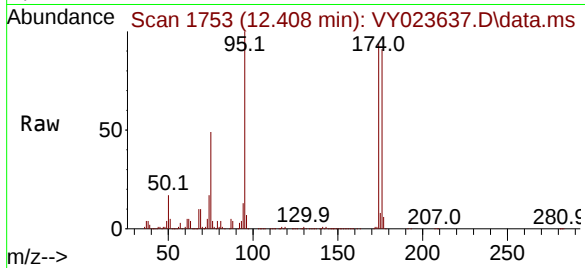




#76
1,2,3-Trichloropropane
Concen: 54.080 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023637.D
Acq: 31 Oct 2025 09:19

Instrument :
MSVOA_Y
ClientSampleId :
VY1031SBL01

Tgt Ion: 75 Resp: 196190
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 132.614 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY023637.D
Acq: 31 Oct 2025 09:19

Tgt Ion: 75 Resp: 196190
Ion Ratio Lower Upper
75 100
53 0.2 68.6 102.8#
89 0.0 39.0 58.4#

