

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110525\
 Data File : VY023680.D
 Acq On : 05 Nov 2025 09:56
 Operator : SY/MD
 Sample : VY1105SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1105SBL01

Quant Time: Nov 06 03:25:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

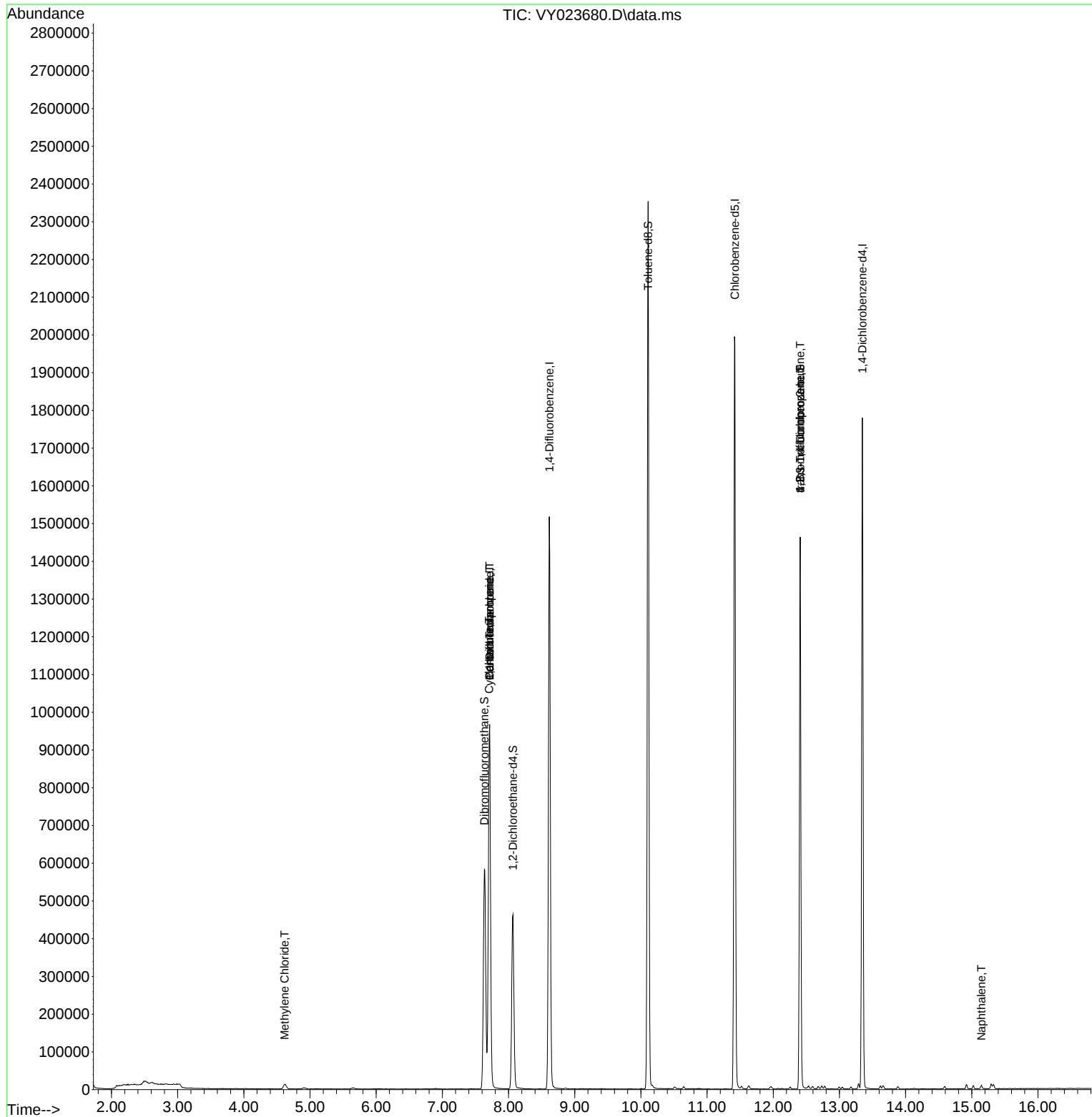
Internal Standards						
1) Pentafluorobenzene	7.713	168	795845	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1360643	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1141637	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	459040	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	375408	55.299	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.600%	
35) Dibromofluoromethane	7.634	113	430036	50.574	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.140%	
50) Toluene-d8	10.109	98	1532946	48.397	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.800%	
62) 4-Bromofluorobenzene	12.407	95	437082	42.670	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 85.340%	
Target Compounds						Qvalue
20) Methylene Chloride	4.616	84	9800	1.203	ug/l #	90
31) Cyclohexane	7.707	56	14186	1.268	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	54592	4.805	ug/l #	48
38) Carbon Tetrachloride	7.713	117	75377	5.630	ug/l #	16
76) 1,2,3-Trichloropropane	12.407	75	214026	57.610	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	214026	130.196	ug/l #	14
95) Naphthalene	15.145	128	7160	5.736	ug/l	96

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

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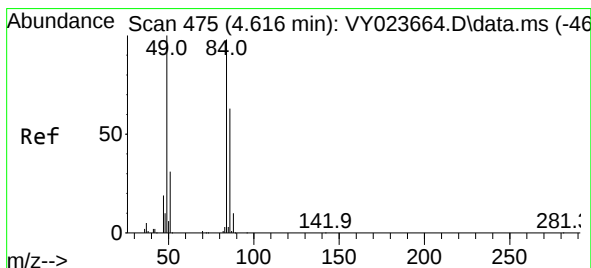
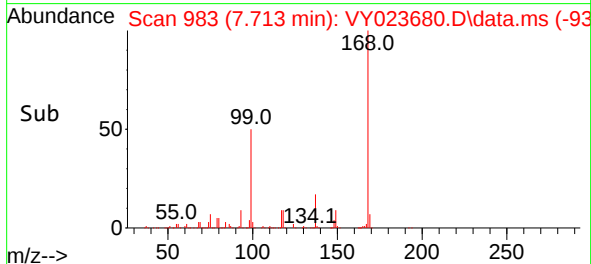
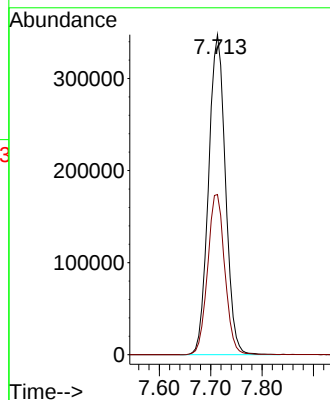
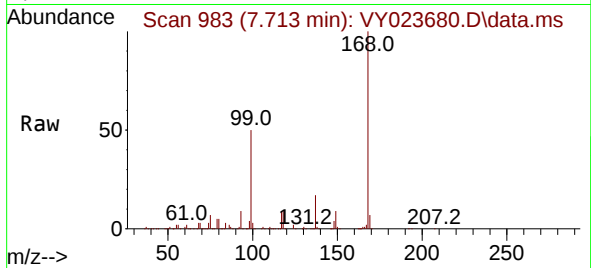




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023680.D
Acq: 05 Nov 2025 09:56

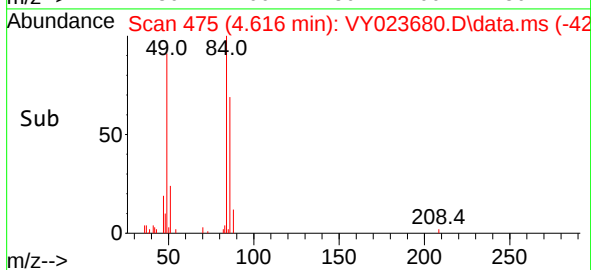
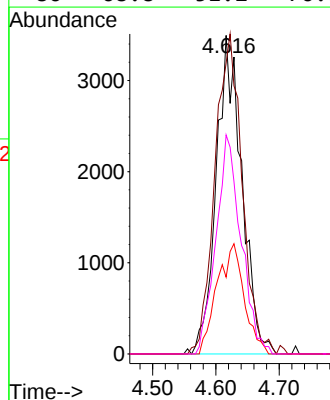
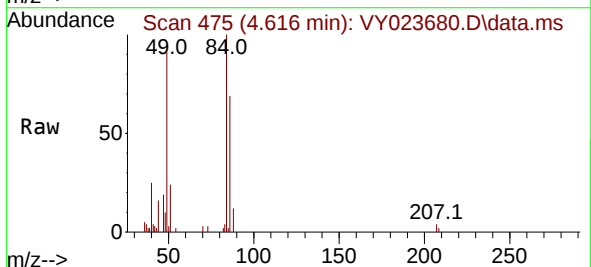
Instrument :
MSVOA_Y
ClientSampleId :
VY1105SBL01

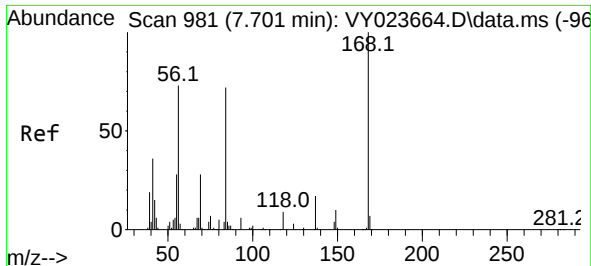
Tgt Ion:168 Resp: 795845
Ion Ratio Lower Upper
168 100
99 50.1 41.0 61.4



#20
Methylene Chloride
Concen: 1.203 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY023680.D
Acq: 05 Nov 2025 09:56

Tgt Ion: 84 Resp: 9800
Ion Ratio Lower Upper
84 100
49 91.3 81.5 122.3
51 24.1 25.5 38.3#
86 68.8 51.2 76.8

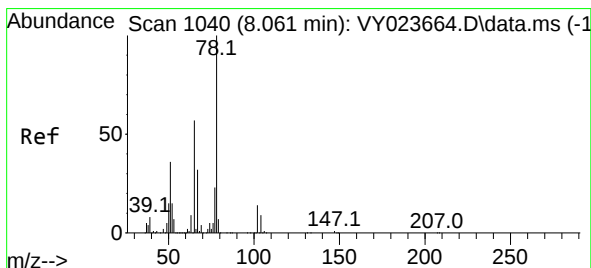
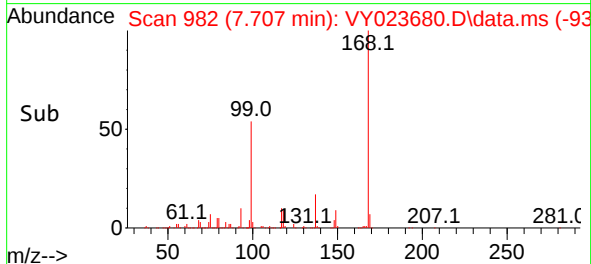
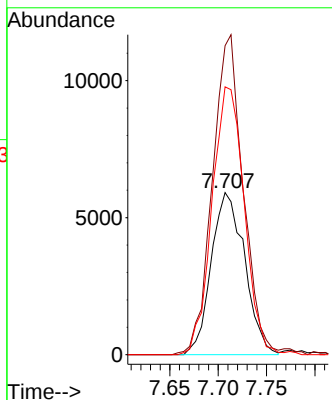
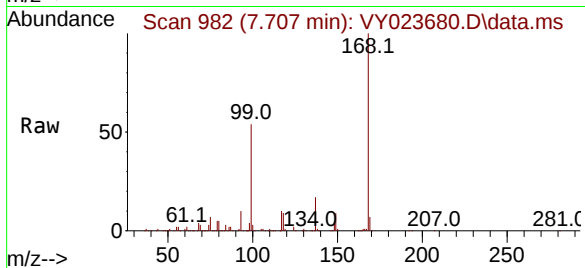




#31
Cyclohexane
Concen: 1.268 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023680.D
Acq: 05 Nov 2025 09:56

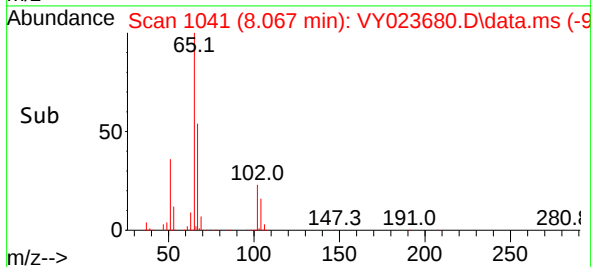
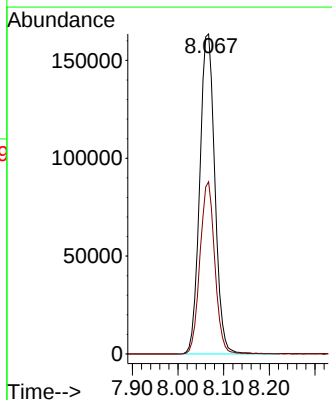
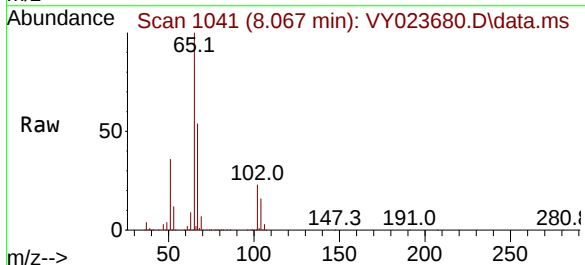
Instrument :
MSVOA_Y
ClientSampleId :
VY1105SBL01

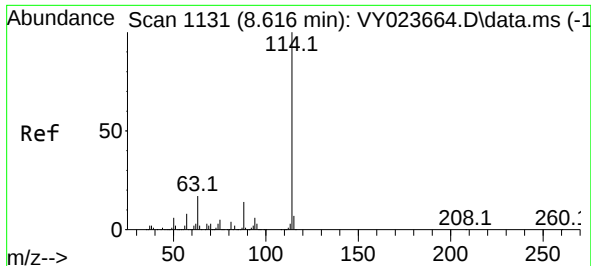
Tgt Ion: 56 Resp: 14186
Ion Ratio Lower Upper
56 100
69 189.5 30.5 45.7#
84 165.2 79.0 118.4#



#33
1,2-Dichloroethane-d4
Concen: 55.299 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023680.D
Acq: 05 Nov 2025 09:56

Tgt Ion: 65 Resp: 375408
Ion Ratio Lower Upper
65 100
67 52.8 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023680.D

Acq: 05 Nov 2025 09:56

Instrument :

MSVOA_Y

ClientSampleId :

VY1105SBL01

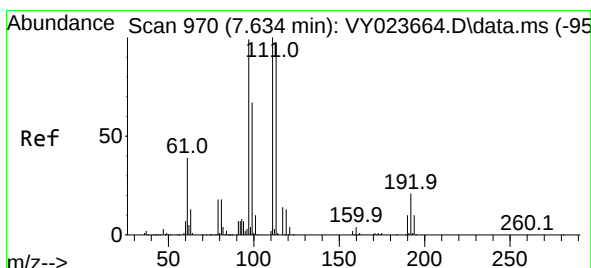
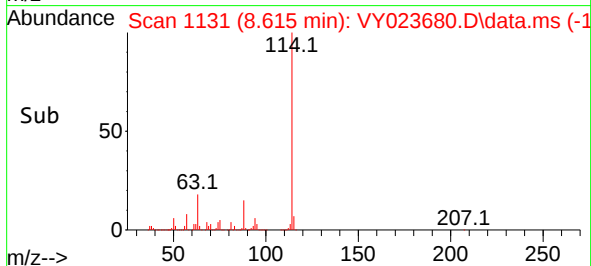
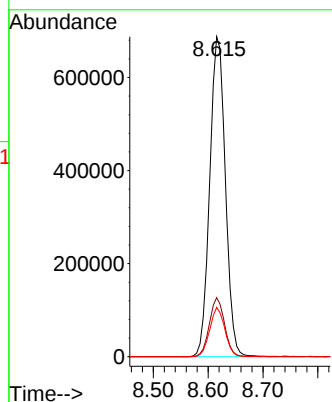
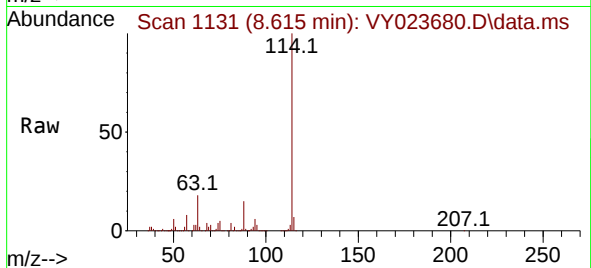
Tgt Ion:114 Resp: 1360643

Ion Ratio Lower Upper

114 100

63 18.5 0.0 33.8

88 15.4 0.0 29.0



#35

Dibromofluoromethane

Concen: 50.574 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY023680.D

Acq: 05 Nov 2025 09:56

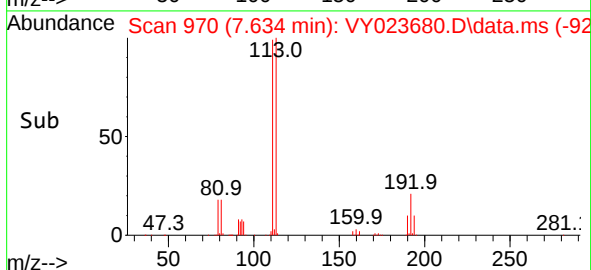
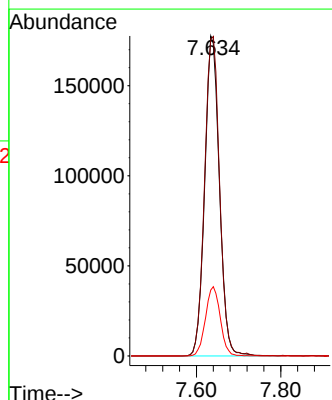
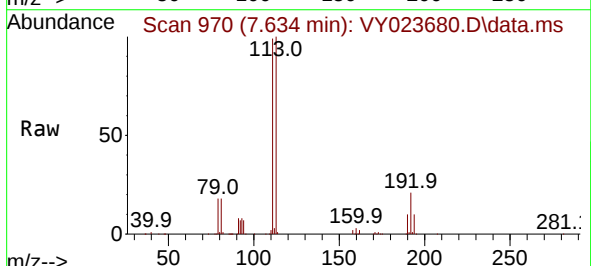
Tgt Ion:113 Resp: 430036

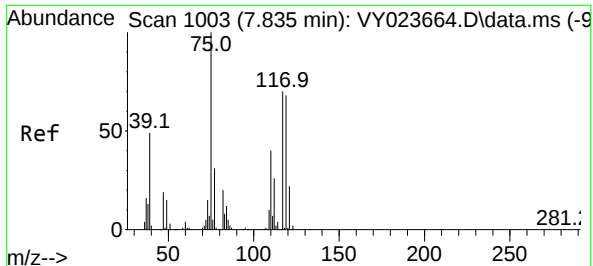
Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.4

192 21.8 17.3 25.9





#36

1,1-Dichloropropene

Concen: 4.805 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY023680.D

Acq: 05 Nov 2025 09:56

Instrument :

MSVOA_Y

ClientSampleId :

VY1105SBL01

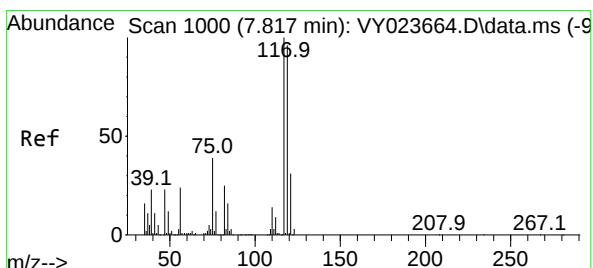
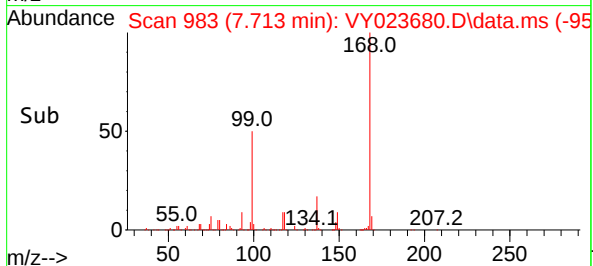
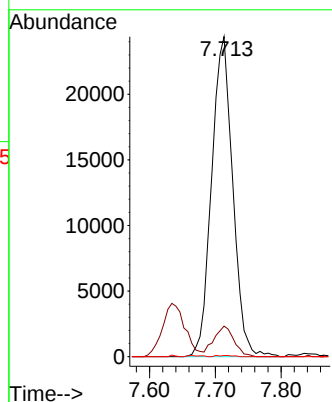
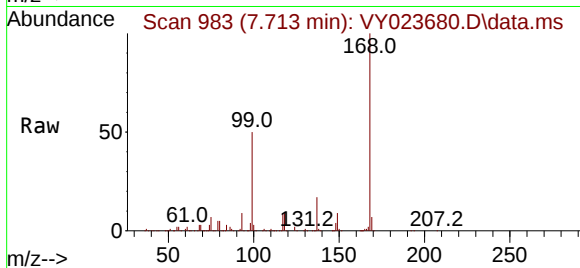
Tgt Ion: 75 Resp: 54592

Ion Ratio Lower Upper

75 100

110 9.0 19.7 59.0#

77 0.3 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.630 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023680.D

Acq: 05 Nov 2025 09:56

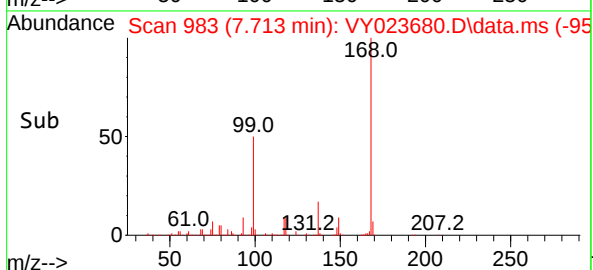
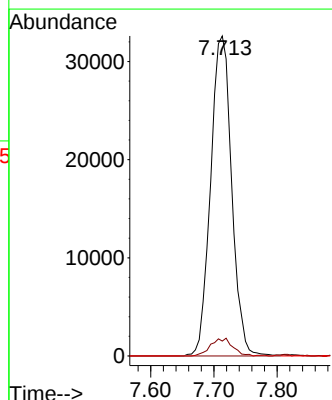
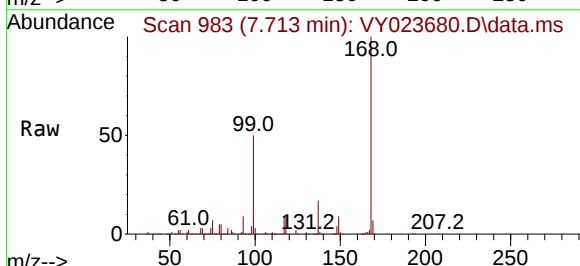
Tgt Ion: 117 Resp: 75377

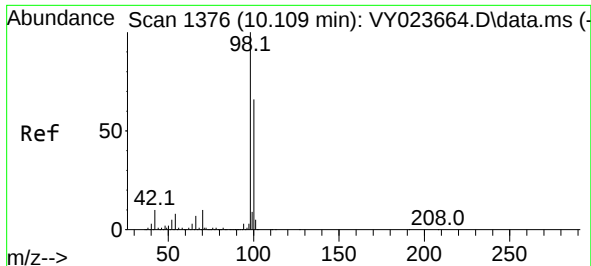
Ion Ratio Lower Upper

117 100

119 4.7 76.3 114.5#

121 0.0 24.8 37.2#

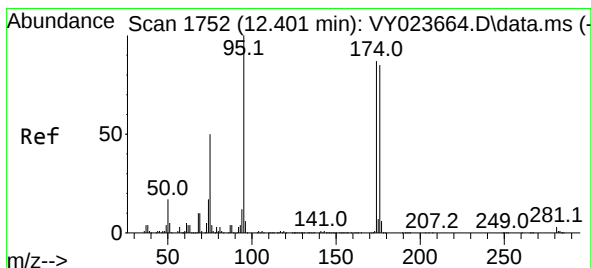
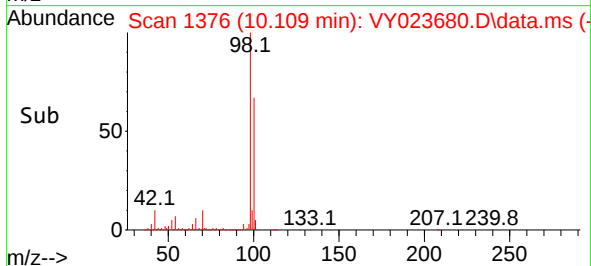
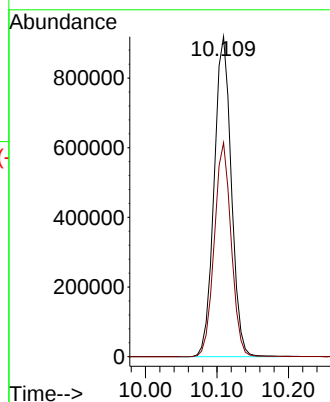
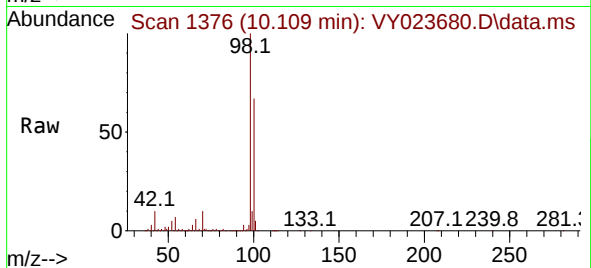




#50
Toluene-d8
Concen: 48.397 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023680.D
Acq: 05 Nov 2025 09:56

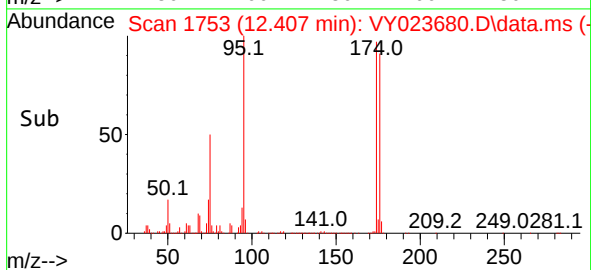
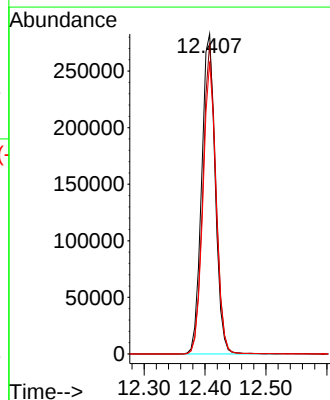
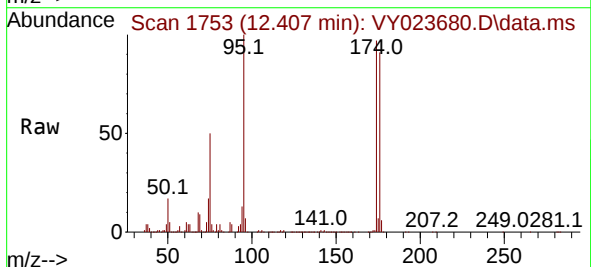
Instrument :
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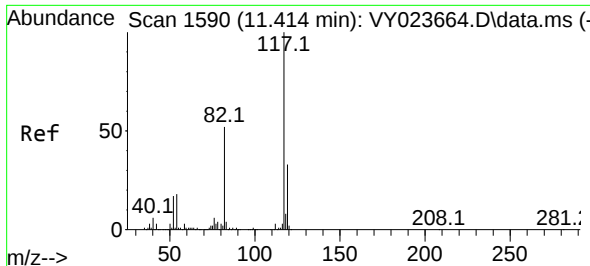
Tgt Ion: 98 Resp: 1532946
Ion Ratio Lower Upper
98 100
100 65.8 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 42.670 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023680.D
Acq: 05 Nov 2025 09:56

Tgt Ion: 95 Resp: 437082
Ion Ratio Lower Upper
95 100
174 93.7 0.0 184.8
176 88.5 0.0 181.6

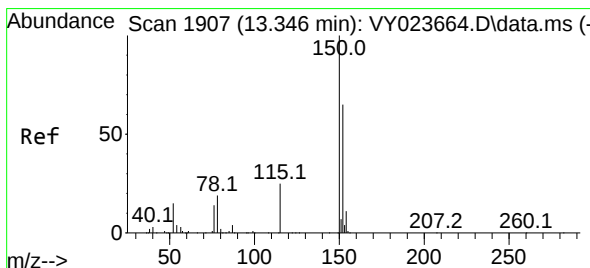
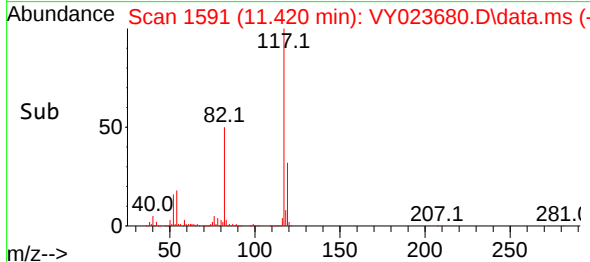
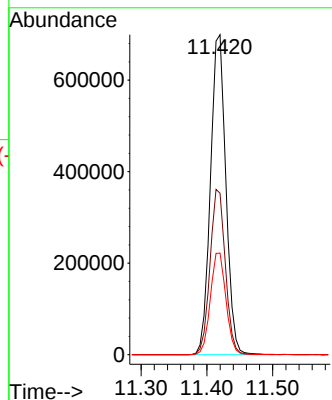
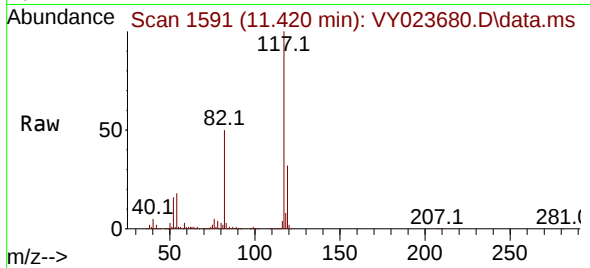




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023680.D
Acq: 05 Nov 2025 09:56

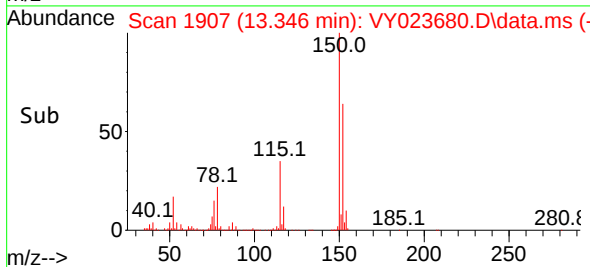
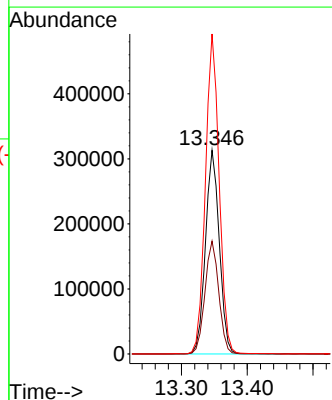
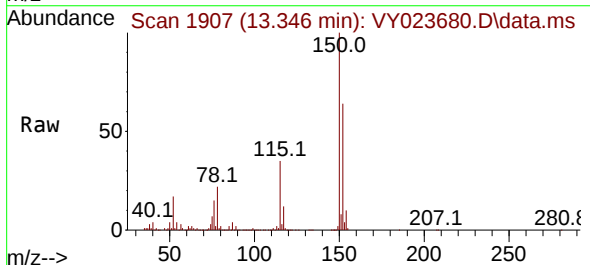
Instrument :
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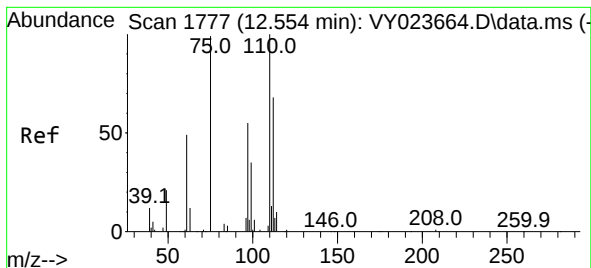
Tgt Ion:117 Resp: 1141637
Ion Ratio Lower Upper
117 100
82 50.4 41.2 61.8
119 31.8 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023680.D
Acq: 05 Nov 2025 09:56

Tgt Ion:152 Resp: 459040
Ion Ratio Lower Upper
152 100
115 55.5 27.5 82.5
150 155.5 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 57.610 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023680.D

Acq: 05 Nov 2025 09:56

Instrument :

MSVOA_Y

ClientSampleId :

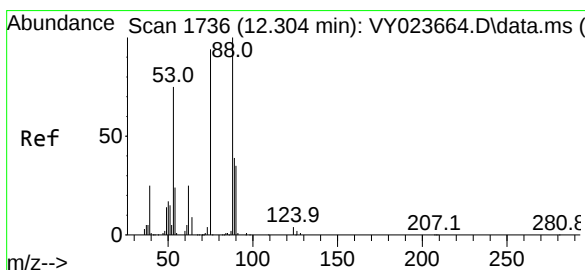
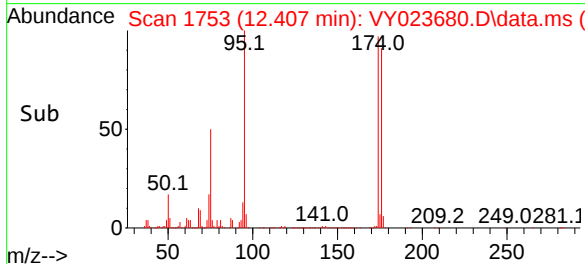
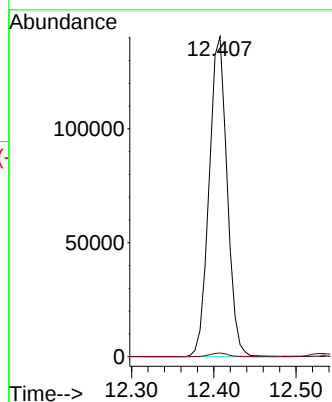
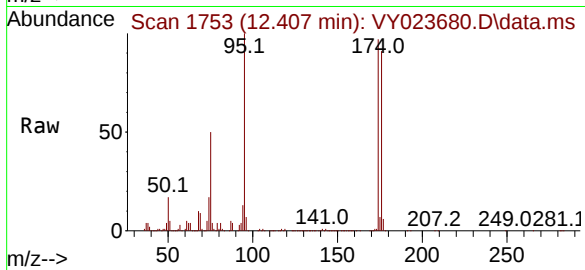
VY1105SBL01

Tgt Ion: 75 Resp: 214026

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 130.196 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY023680.D

Acq: 05 Nov 2025 09:56

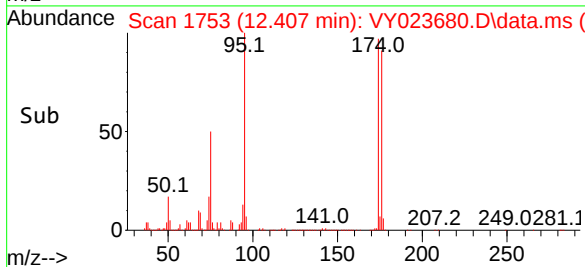
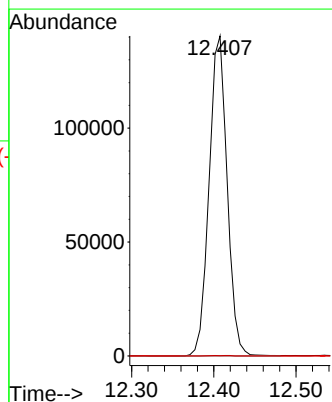
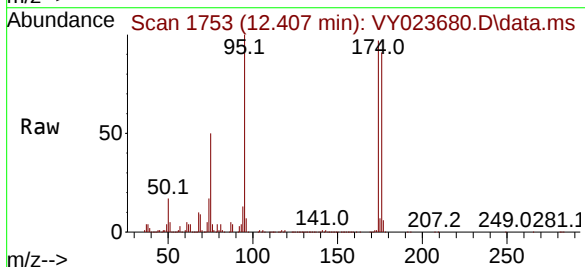
Tgt Ion: 75 Resp: 214026

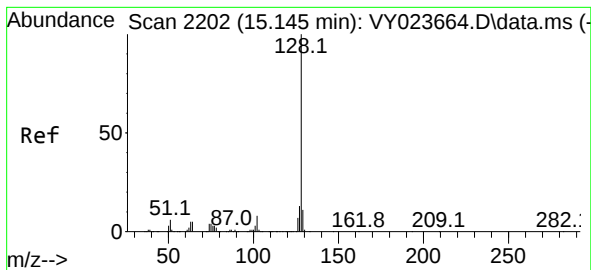
Ion Ratio Lower Upper

75 100

53 0.2 69.6 104.4#

89 0.0 38.2 57.4#





#95

Naphthalene

Concen: 5.736 ug/l

RT: 15.145 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY023680.D

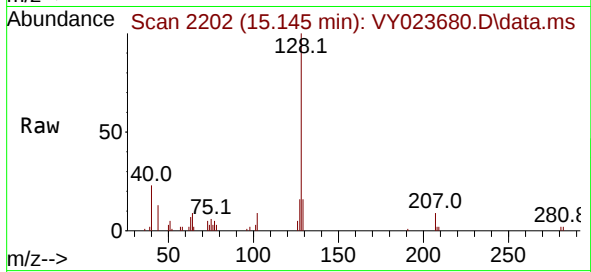
Acq: 05 Nov 2025 09:56

Instrument :

MSVOA_Y

ClientSampleId :

VY1105SBL01



Tgt Ion:128 Resp: 7160

Ion Ratio Lower Upper

128 100

127 14.8 10.5 15.7

129 11.9 8.8 13.2

