

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
 Data File : VY022355.D
 Acq On : 21 May 2025 10:05
 Operator : SY/MD
 Sample : VY0521SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0521SBL01

Quant Time: May 22 00:04:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

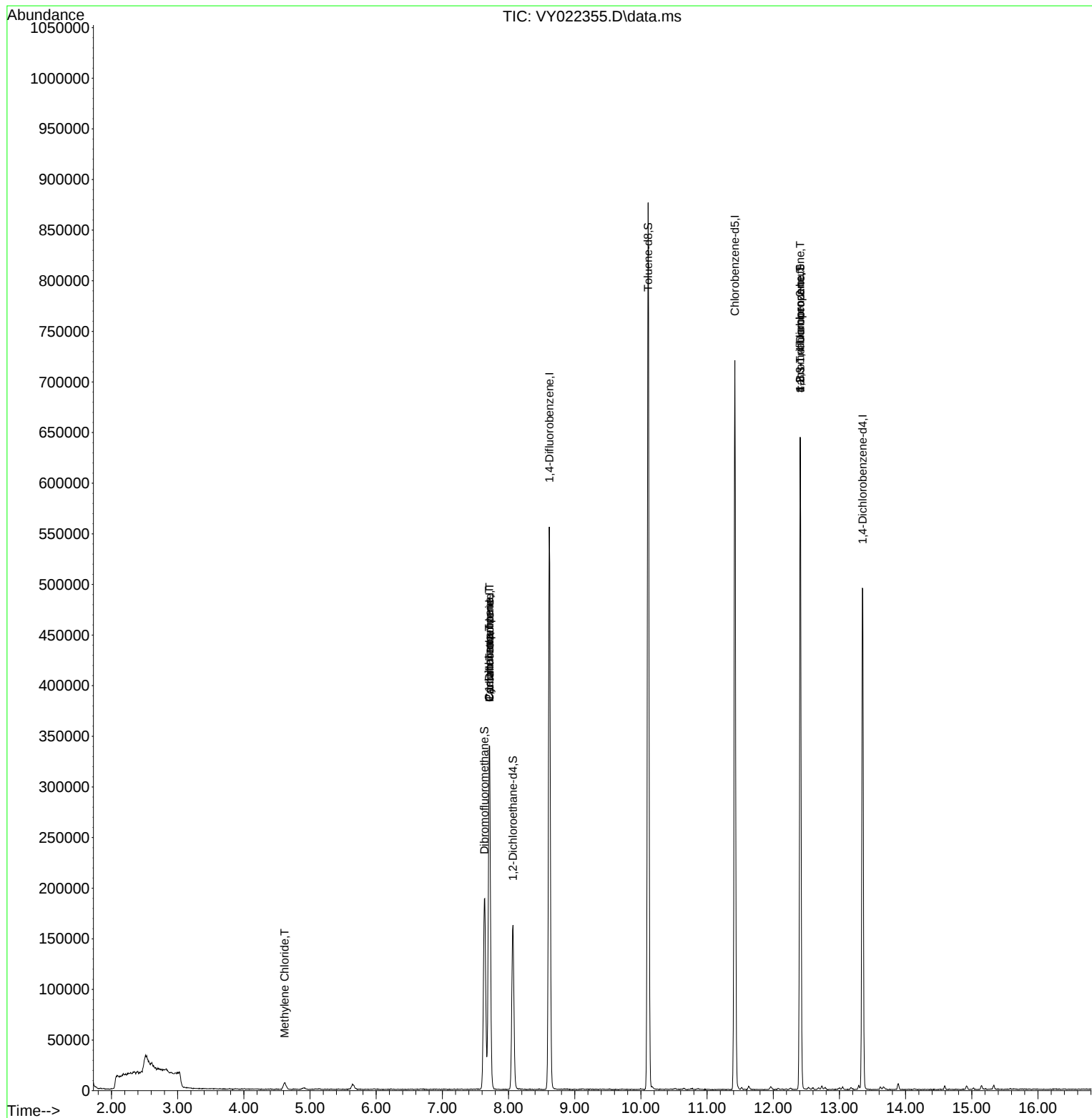
Internal Standards						
1) Pentafluorobenzene	7.713	168	261806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	457379	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	349876	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	119412	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	121999	42.638	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.280%		
35) Dibromofluoromethane	7.634	113	131294	48.095	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.180%		
50) Toluene-d8	10.109	98	544244	48.678	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.360%		
62) 4-Bromofluorobenzene	12.407	95	178232	50.294	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	100.580%		
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.616	84	4633	1.336	ug/l #	77
31) Cyclohexane	7.707	56	7217	1.247	ug/l #	26
36) 1,1-Dichloropropene	7.707	75	22677	5.043	ug/l #	50
38) Carbon Tetrachloride	7.713	117	26240	5.638	ug/l #	15
76) 1,2,3-Trichloropropane	12.407	75	105626	87.311	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	105626	176.870	ug/l #	12

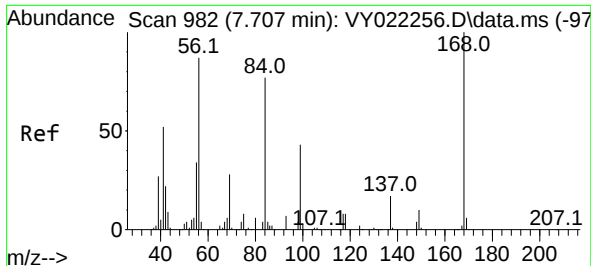
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0521SBL01

Quant Time: May 22 00:04:58 2025
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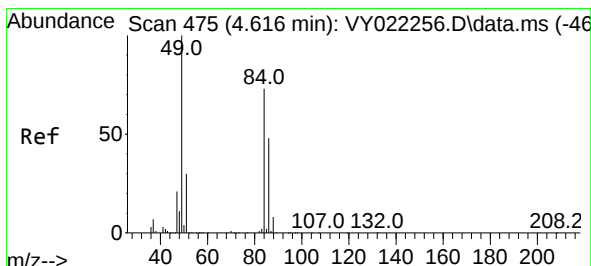
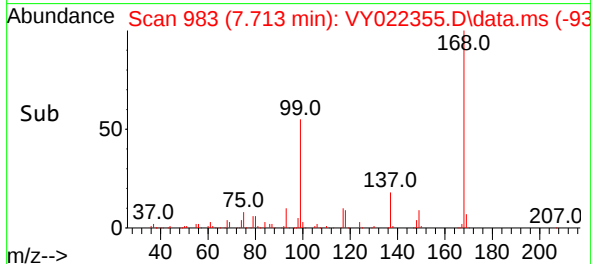
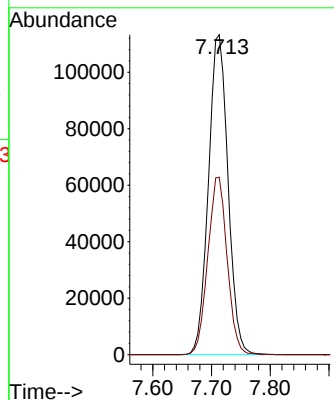
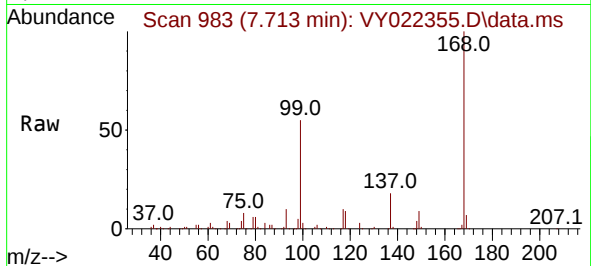




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022355.D
Acq: 21 May 2025 10:05

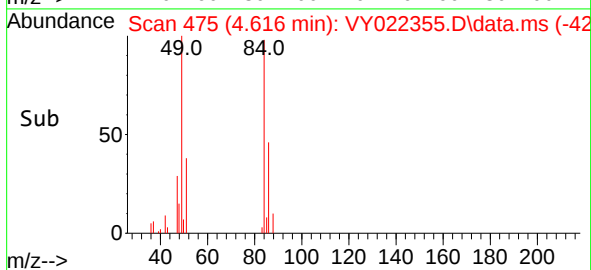
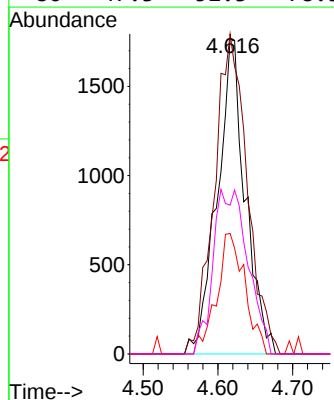
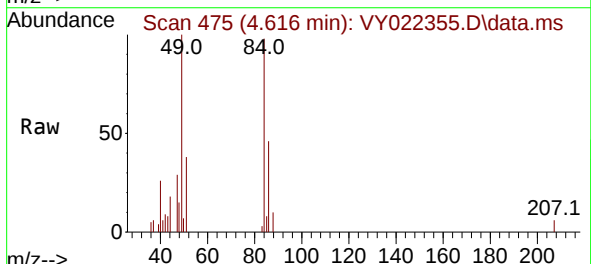
Instrument :
MSVOA_Y
ClientSampleId :
VY0521SBL01

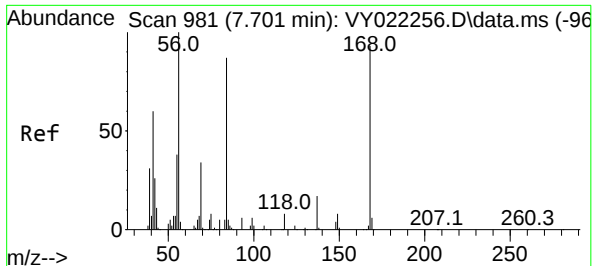
Tgt Ion:168 Resp: 261806
Ion Ratio Lower Upper
168 100
99 55.5 44.2 66.4



#20
Methylene Chloride
Concen: 1.336 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY022355.D
Acq: 21 May 2025 10:05

Tgt Ion: 84 Resp: 4633
Ion Ratio Lower Upper
84 100
49 101.6 109.6 164.4#
51 38.2 32.4 48.6
86 47.3 52.3 78.5#

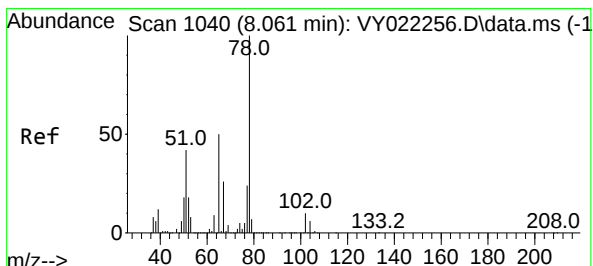
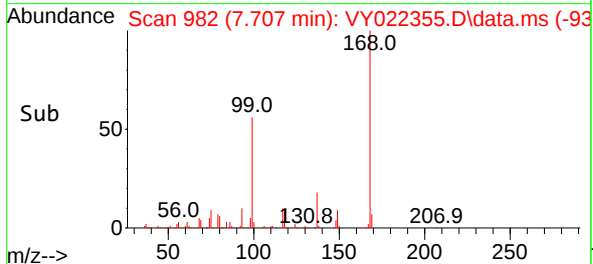
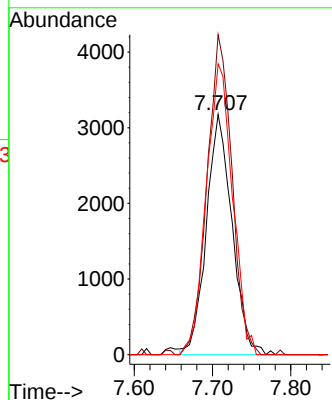
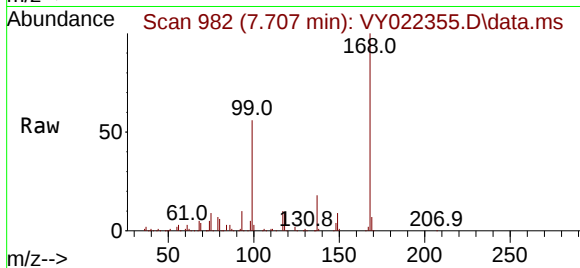




#31
Cyclohexane
Concen: 1.247 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022355.D
Acq: 21 May 2025 10:05

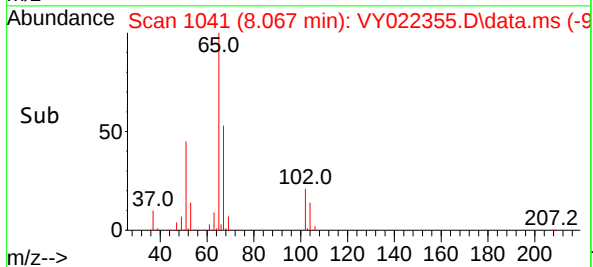
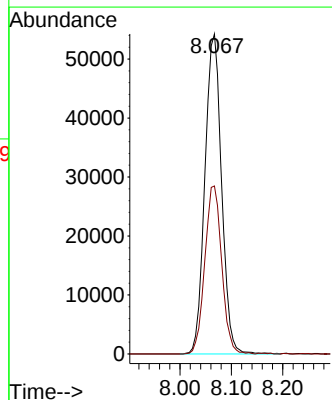
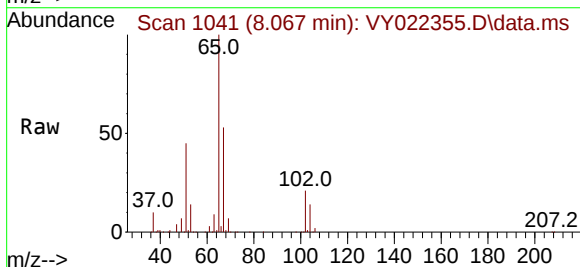
Instrument :
MSVOA_Y
ClientSampleId :
VY0521SBL01

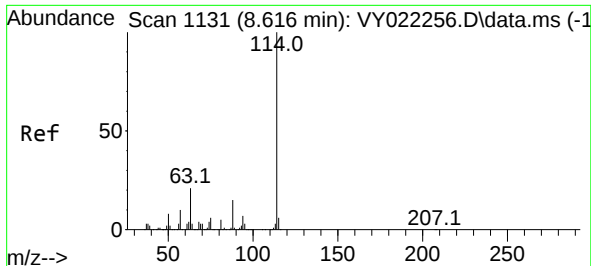
Tgt Ion: 56 Resp: 7217
Ion Ratio Lower Upper
56 100
69 133.2 27.4 41.2#
84 121.1 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 42.638 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY022355.D
Acq: 21 May 2025 10:05

Tgt Ion: 65 Resp: 121999
Ion Ratio Lower Upper
65 100
67 53.3 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022355.D

Acq: 21 May 2025 10:05

Instrument :

MSVOA_Y

ClientSampleId :

VY0521SBL01

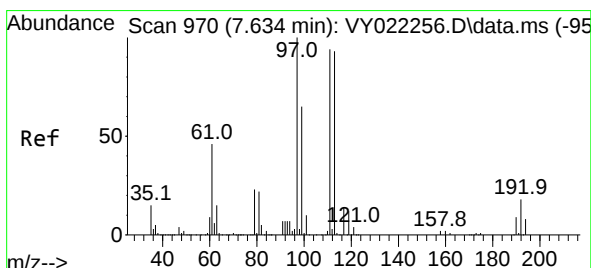
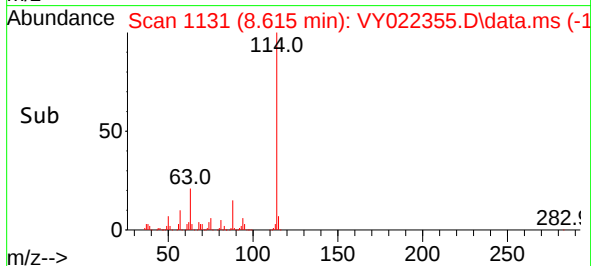
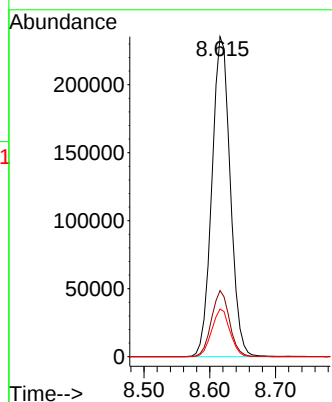
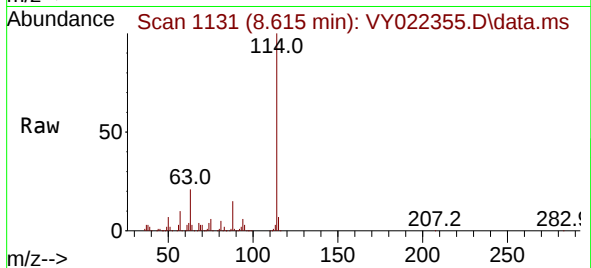
Tgt Ion:114 Resp: 457379

Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.0

88 14.9 0.0 29.4



#35

Dibromofluoromethane

Concen: 48.095 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022355.D

Acq: 21 May 2025 10:05

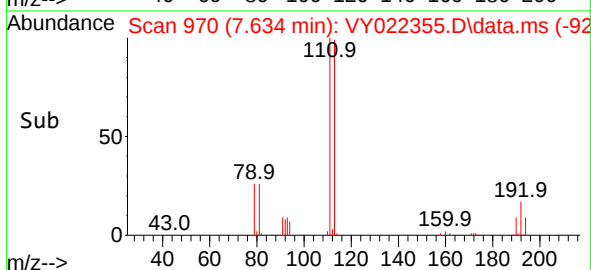
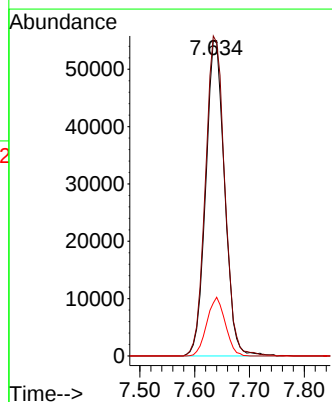
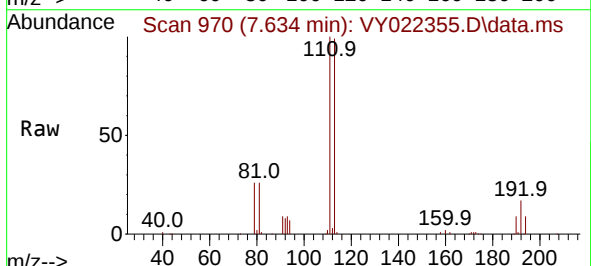
Tgt Ion:113 Resp: 131294

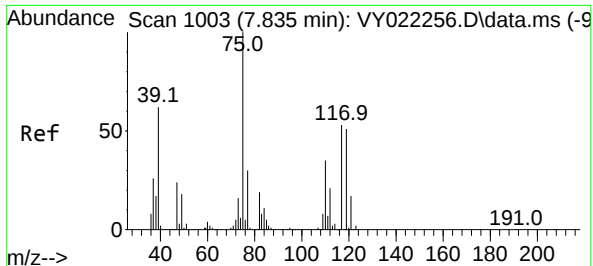
Ion Ratio Lower Upper

113 100

111 104.1 82.6 123.8

192 18.2 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.043 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY022355.D

Acq: 21 May 2025 10:05

Instrument :

MSVOA_Y

ClientSampleId :

VY0521SBL01

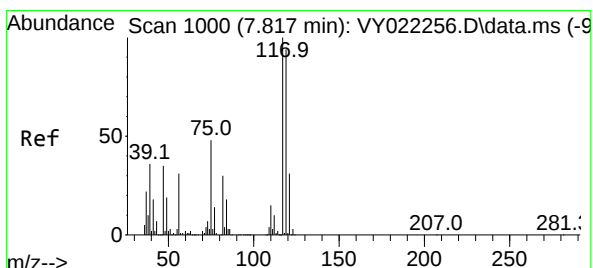
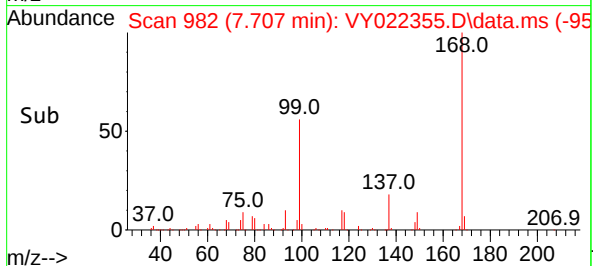
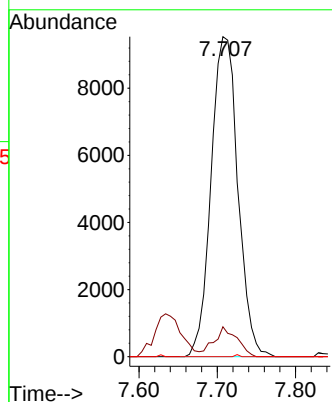
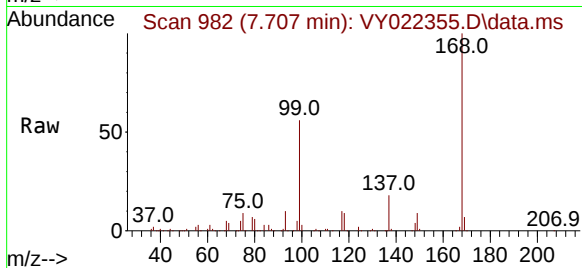
Tgt Ion: 75 Resp: 22677

Ion Ratio Lower Upper

75 100

110 8.0 16.6 49.8#

77 0.1 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.638 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY022355.D

Acq: 21 May 2025 10:05

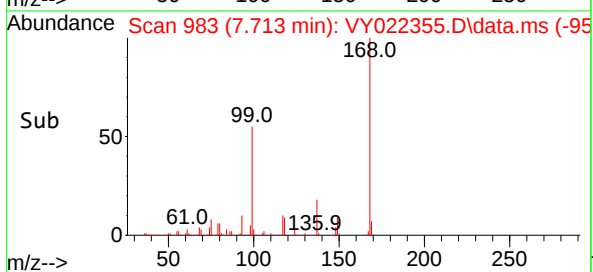
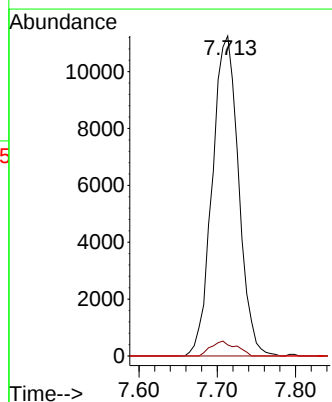
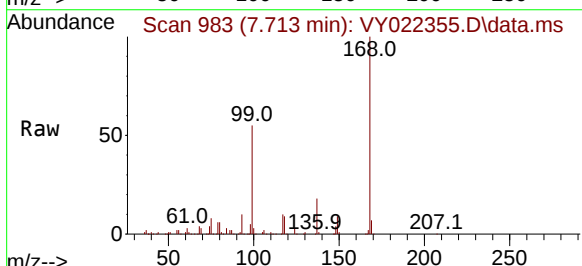
Tgt Ion: 117 Resp: 26240

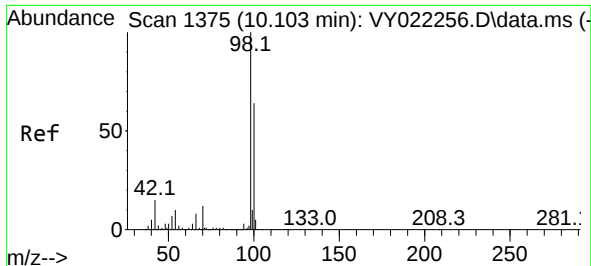
Ion Ratio Lower Upper

117 100

119 3.4 75.3 112.9#

121 0.0 24.7 37.1#

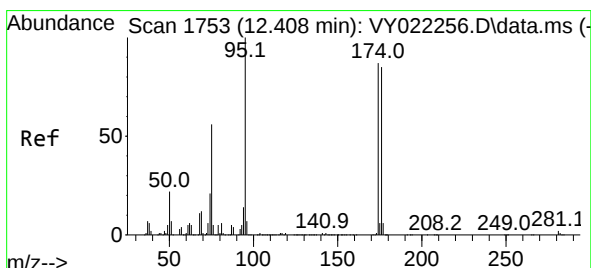
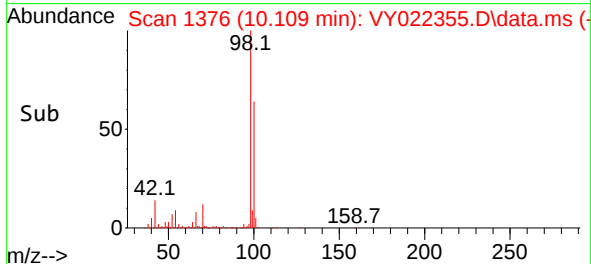
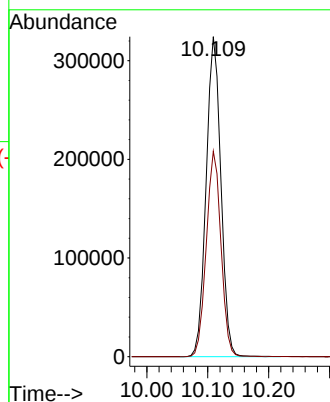
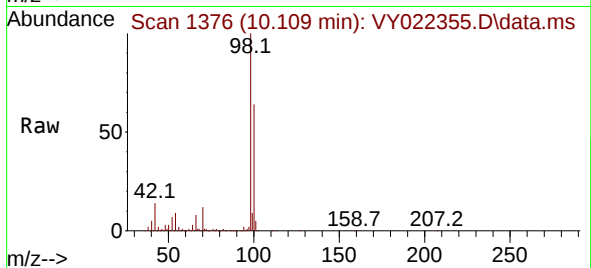




#50
Toluene-d8
Concen: 48.678 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY022355.D
Acq: 21 May 2025 10:05

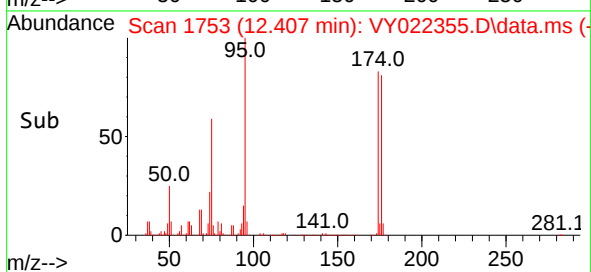
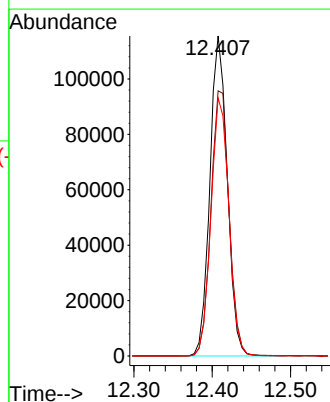
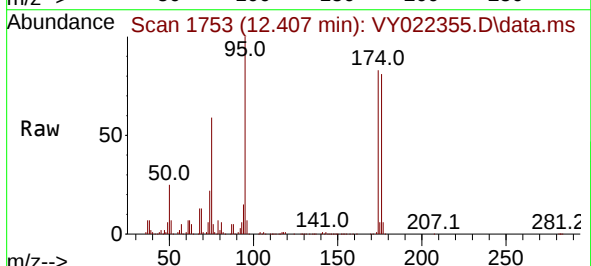
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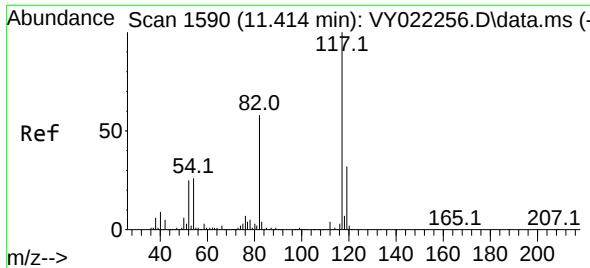
Tgt Ion: 98 Resp: 544244
Ion Ratio Lower Upper
98 100
100 64.0 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 50.294 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022355.D
Acq: 21 May 2025 10:05

Tgt Ion: 95 Resp: 178232
Ion Ratio Lower Upper
95 100
174 86.3 0.0 166.8
176 83.0 0.0 160.8

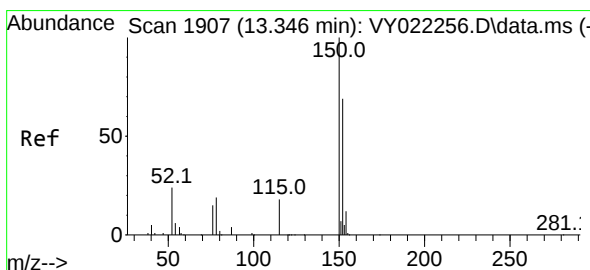
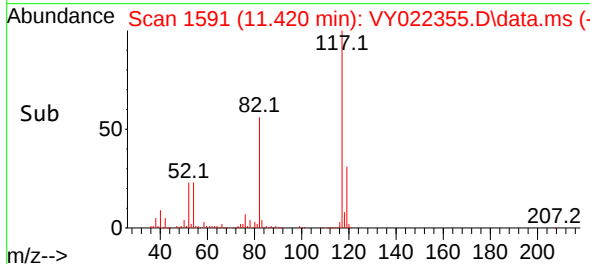
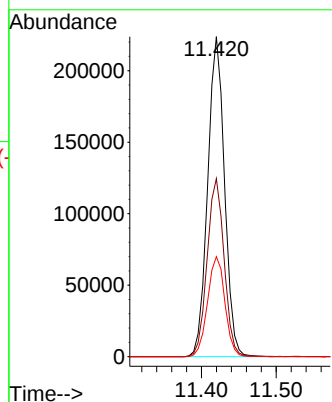
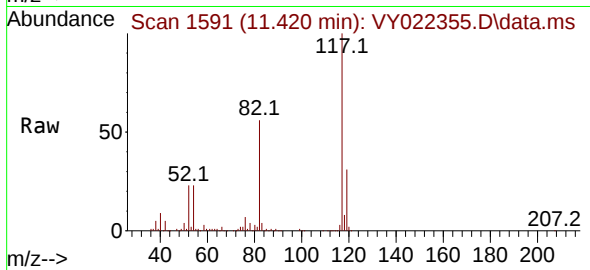




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022355.D
Acq: 21 May 2025 10:05

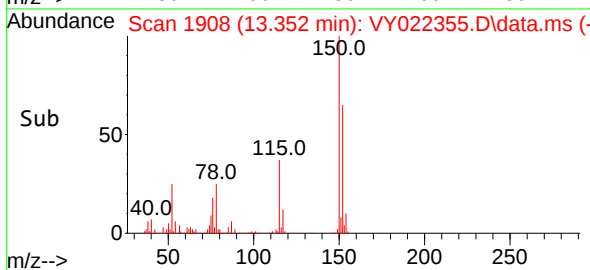
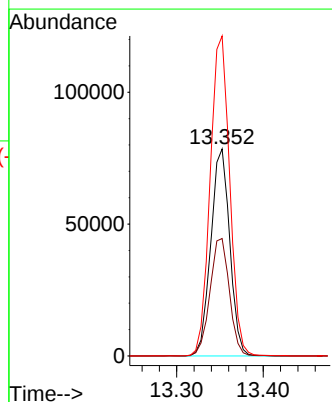
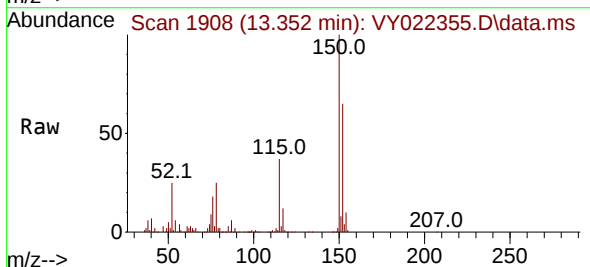
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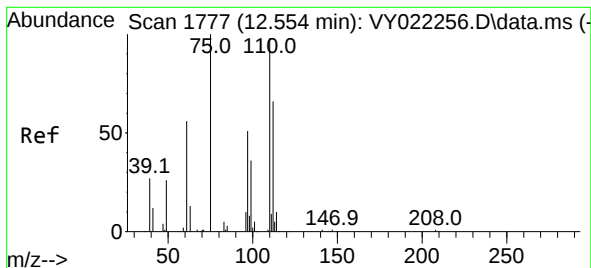
Tgt Ion:117 Resp: 349876
Ion Ratio Lower Upper
117 100
82 55.7 46.6 70.0
119 31.3 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022355.D
Acq: 21 May 2025 10:05

Tgt Ion:152 Resp: 119412
Ion Ratio Lower Upper
152 100
115 58.2 29.4 88.2
150 158.9 0.0 353.8





#76

1,2,3-Trichloropropane

Concen: 87.311 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022355.D

Acq: 21 May 2025 10:05

Instrument :

MSVOA_Y

ClientSampleId :

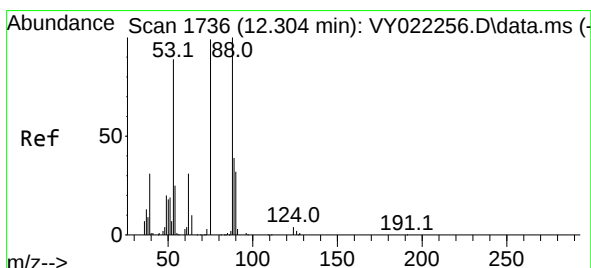
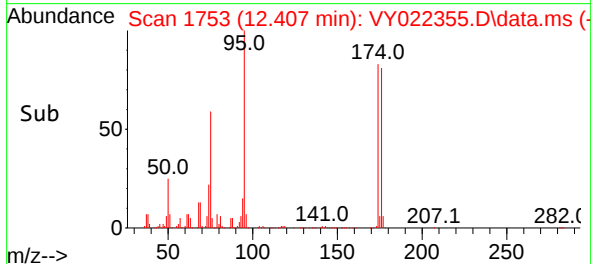
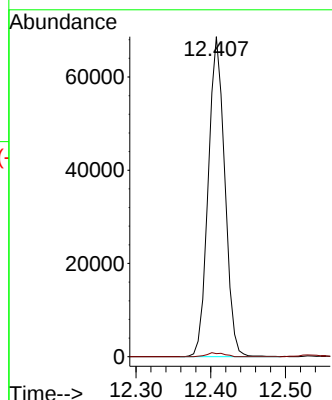
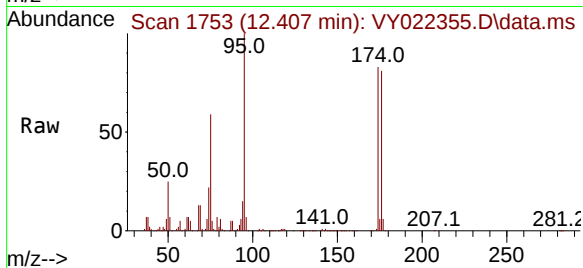
VY0521SBL01

Tgt Ion: 75 Resp: 105626

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 176.870 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY022355.D

Acq: 21 May 2025 10:05

Tgt Ion: 75 Resp: 105626

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.8#

89 0.0 36.2 54.2#

