

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022825\
 Data File : VY021390.D
 Acq On : 28 Feb 2025 19:02
 Operator : SY/MD
 Sample : Q1463-02
 Misc : 5.67g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-0-02272025

Quant Time: Feb 28 22:24:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

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

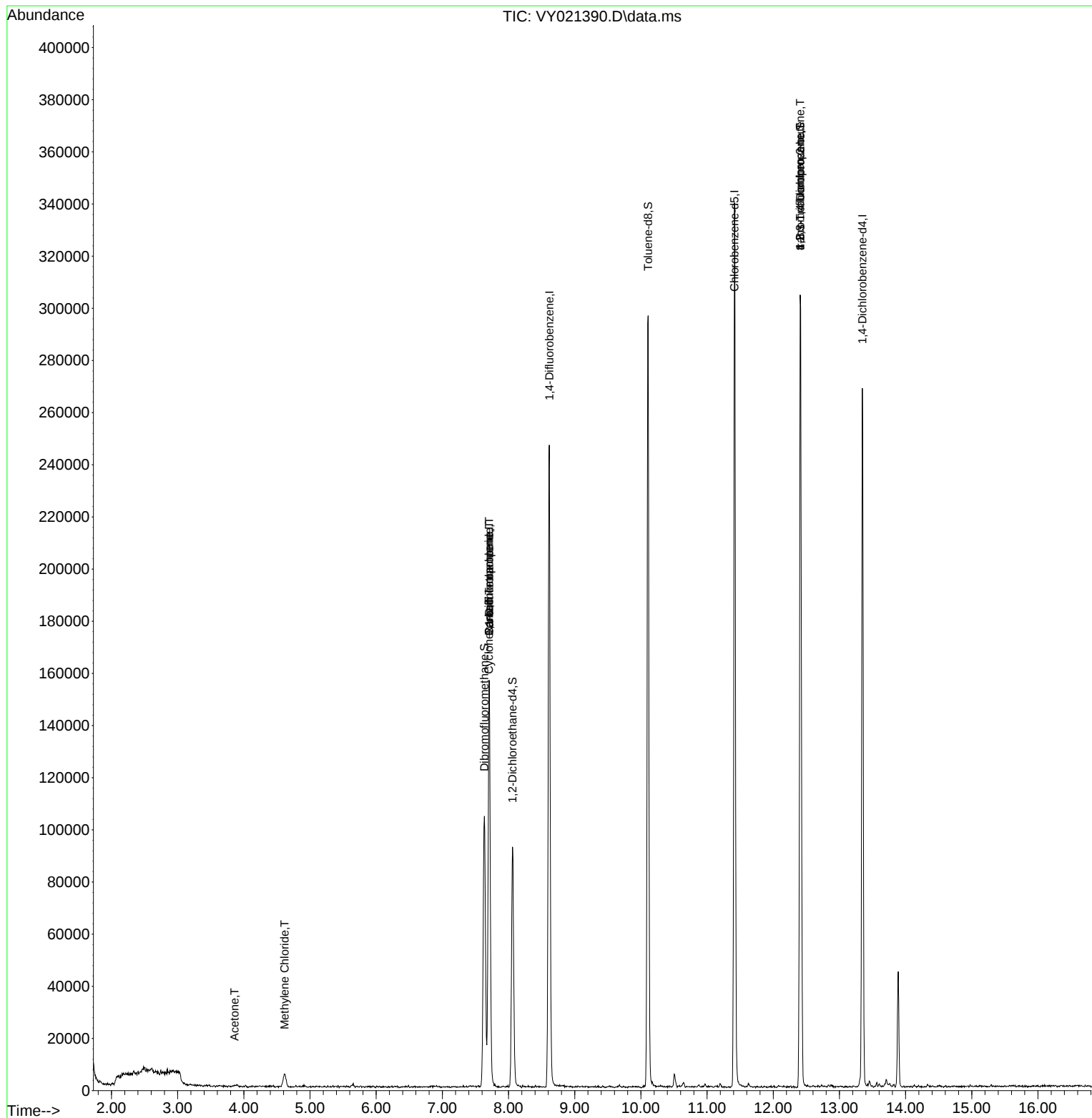
Internal Standards						
1) Pentafluorobenzene	7.707	168	111897	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	205241	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	173222	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	66903	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	73262	57.715	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.440%			
35) Dibromofluoromethane	7.634	113	72355	53.772	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.540%			
50) Toluene-d8	10.109	98	194995	37.497	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 75.000%			
62) 4-Bromofluorobenzene	12.408	95	72028	41.156	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 82.320%			
Target Compounds					Qvalue	
16) Acetone	3.860	43	321	1.318	ug/l #	11
20) Methylene Chloride	4.616	84	3497	2.656	ug/l #	87
31) Cyclohexane	7.701	56	2884	1.289	ug/l #	27
36) 1,1-Dichloropropene	7.707	75	9981	4.938	ug/l #	51
38) Carbon Tetrachloride	7.707	117	12126	5.336	ug/l #	19
76) 1,2,3-Trichloropropane	12.408	75	40234	60.081	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	40234	133.538	ug/l #	11

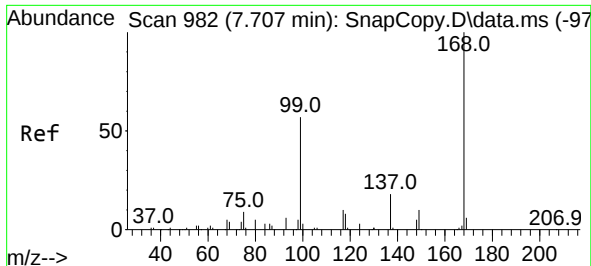
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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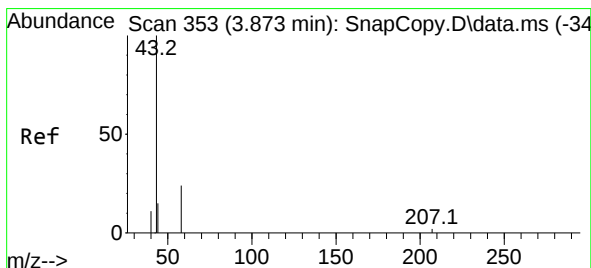
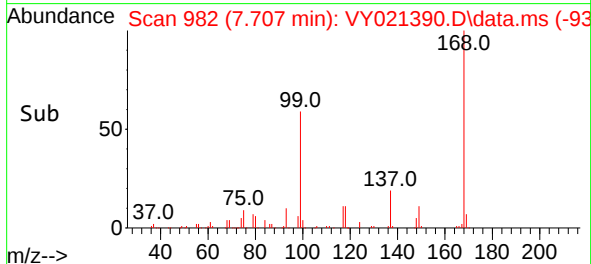
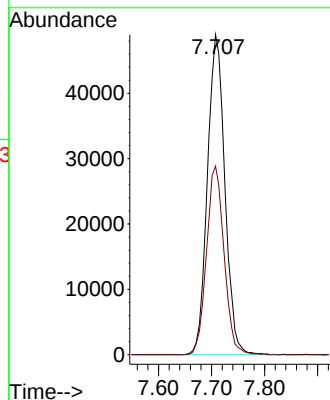
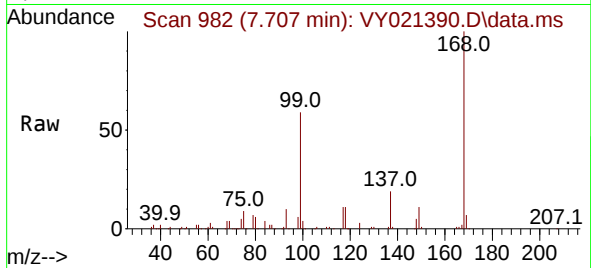




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021390.D
Acq: 28 Feb 2025 19:02

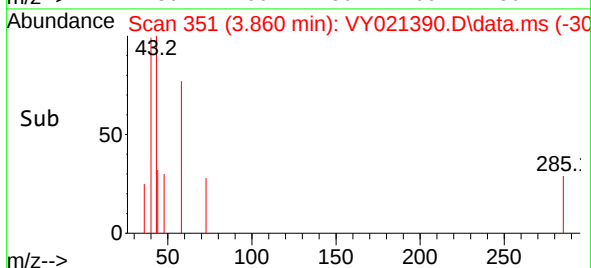
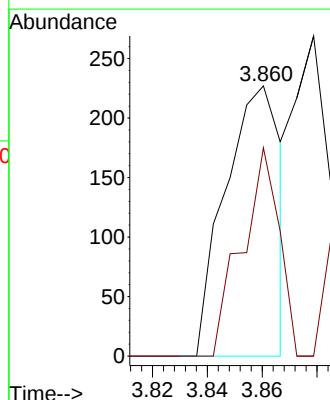
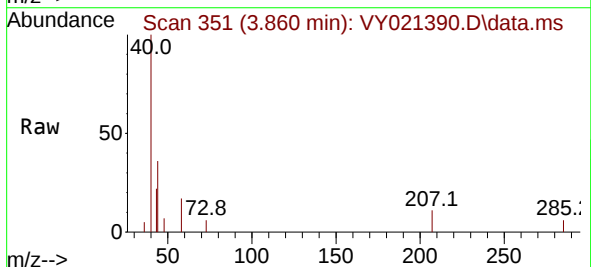
Instrument :
MSVOA_Y
ClientSampleId :
HR-0-02272025

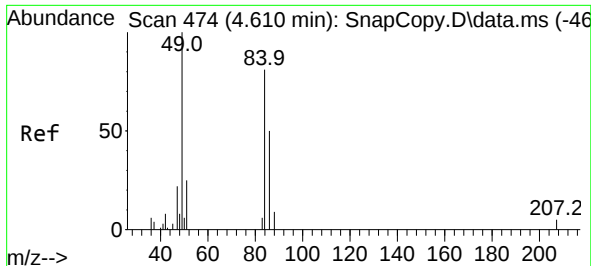
Tgt Ion:168 Resp: 111897
Ion Ratio Lower Upper
168 100
99 58.9 47.1 70.7



#16
Acetone
Concen: 1.318 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.006 min
Lab File: VY021390.D
Acq: 28 Feb 2025 19:02

Tgt Ion: 43 Resp: 321
Ion Ratio Lower Upper
43 100
58 77.1 23.5 35.3#



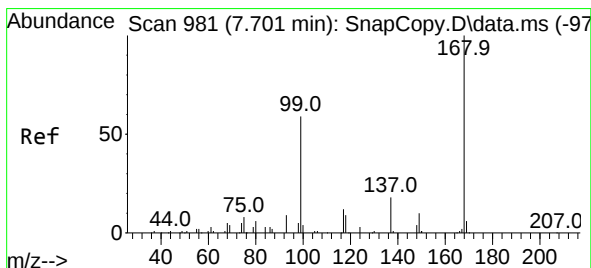
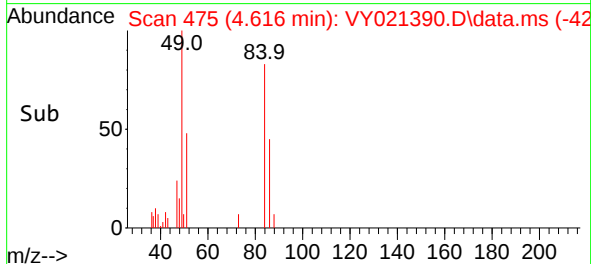
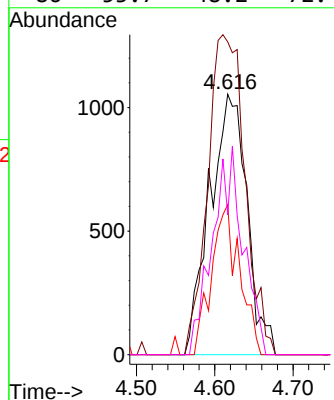
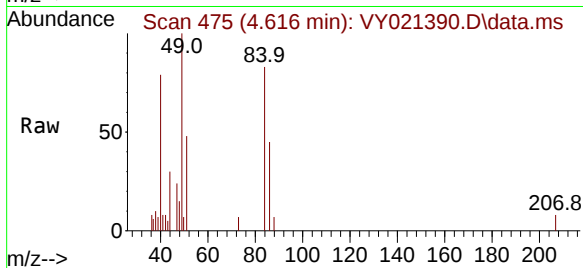


#20
Methylene Chloride
Concen: 2.656 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY021390.D
Acq: 28 Feb 2025 19:02

Instrument :
MSVOA_Y
ClientSampleId :
HR-0-02272025

Tgt Ion: 84 Resp: 3497

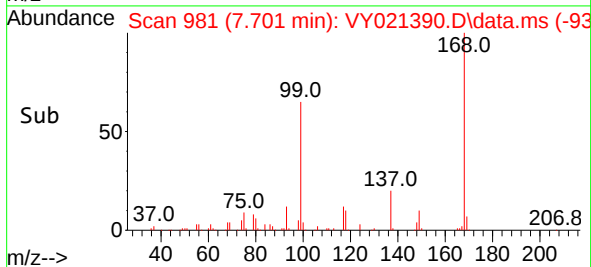
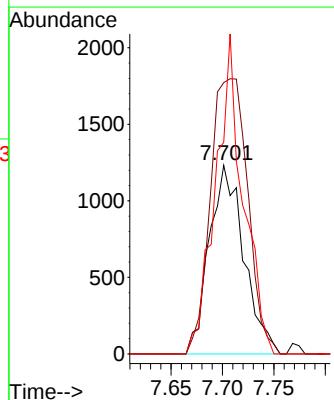
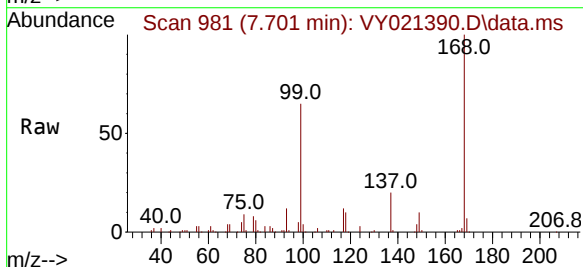
Ion	Ratio	Lower	Upper
84	100		
49	120.1	105.1	157.7
51	57.6	31.0	46.4#
86	53.7	48.2	72.4

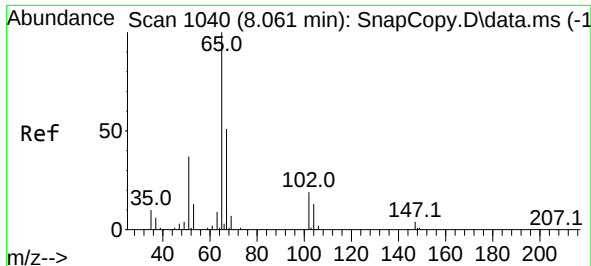


#31
Cyclohexane
Concen: 1.289 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021390.D
Acq: 28 Feb 2025 19:02

Tgt Ion: 56 Resp: 2884

Ion	Ratio	Lower	Upper
56	100		
69	143.8	26.2	39.4#
84	112.1	70.2	105.4#





#33

1,2-Dichloroethane-d4

Concen: 57.715 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021390.D

Acq: 28 Feb 2025 19:02

Instrument :

MSVOA_Y

ClientSampleId :

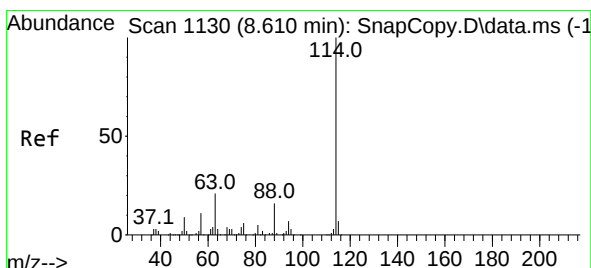
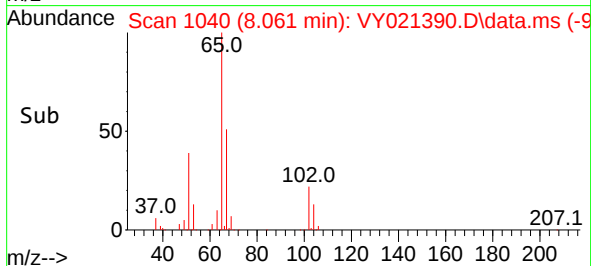
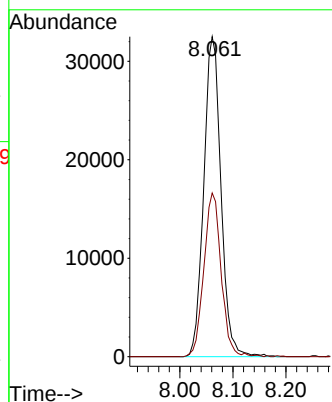
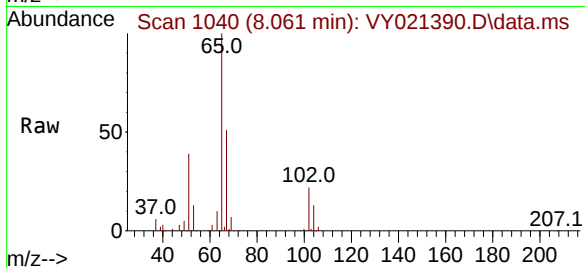
HR-0-02272025

Tgt Ion: 65 Resp: 73262

Ion Ratio Lower Upper

65 100

67 51.5 0.0 103.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021390.D

Acq: 28 Feb 2025 19:02

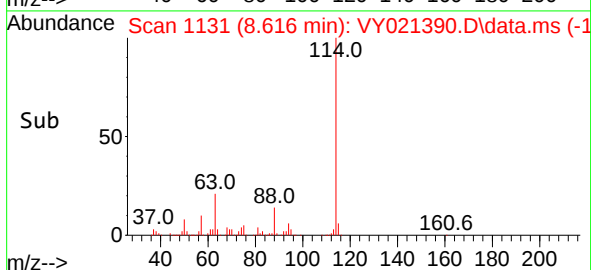
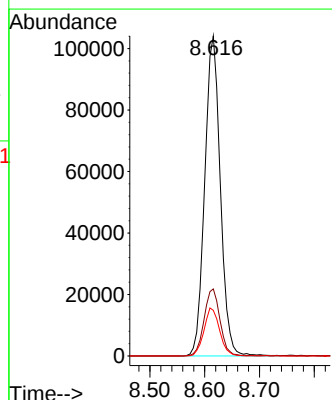
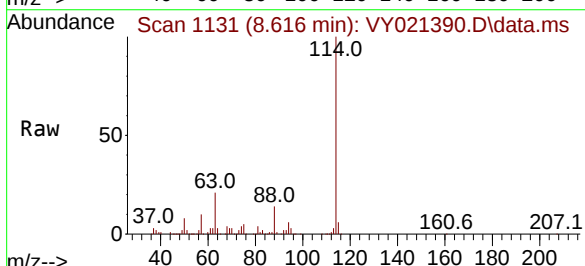
Tgt Ion: 114 Resp: 205241

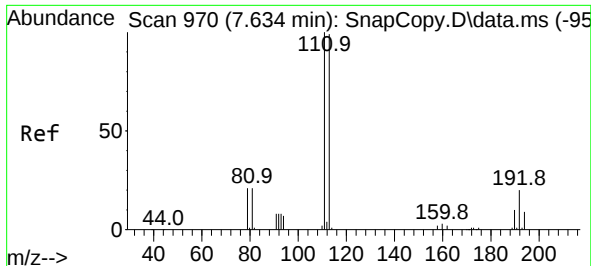
Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.2

88 14.3 0.0 29.8





#35

Dibromofluoromethane

Concen: 53.772 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021390.D

Acq: 28 Feb 2025 19:02

Instrument :

MSVOA_Y

ClientSampleId :

HR-0-02272025

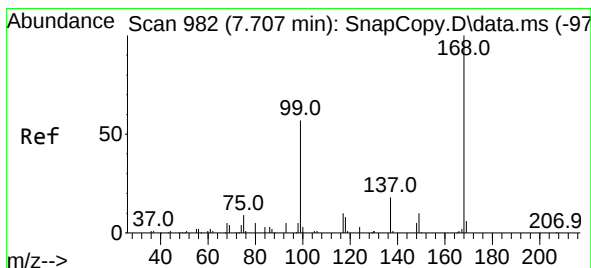
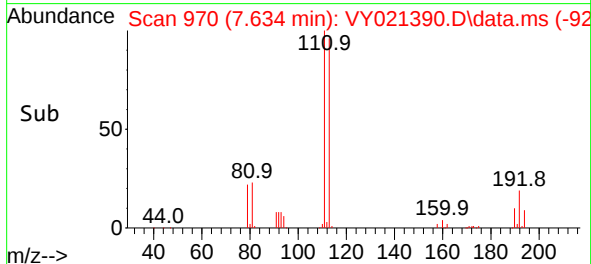
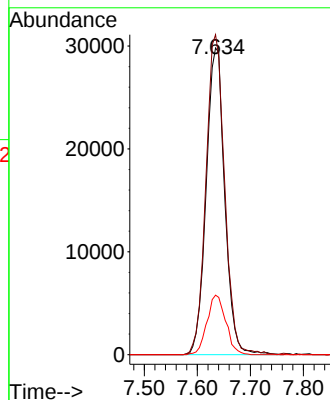
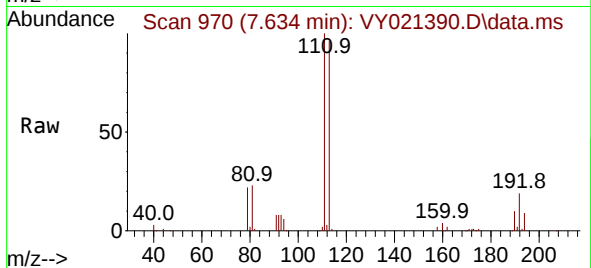
Tgt Ion:113 Resp: 72355

Ion Ratio Lower Upper

113 100

111 105.4 81.0 121.6

192 19.7 15.8 23.8



#36

1,1-Dichloropropene

Concen: 4.938 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY021390.D

Acq: 28 Feb 2025 19:02

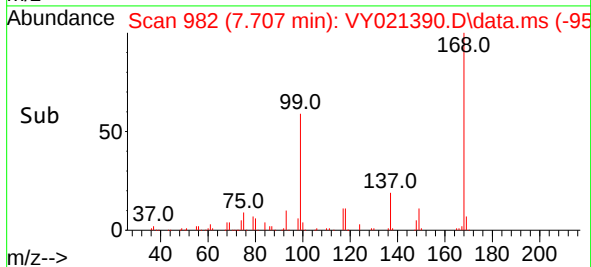
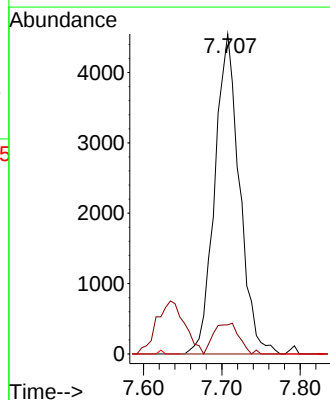
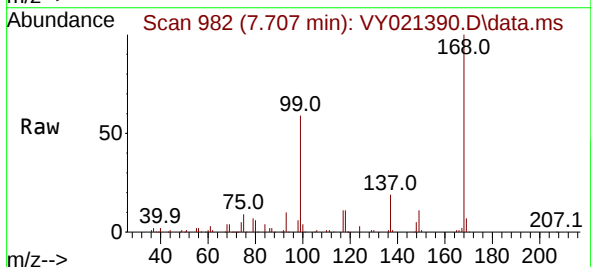
Tgt Ion: 75 Resp: 9981

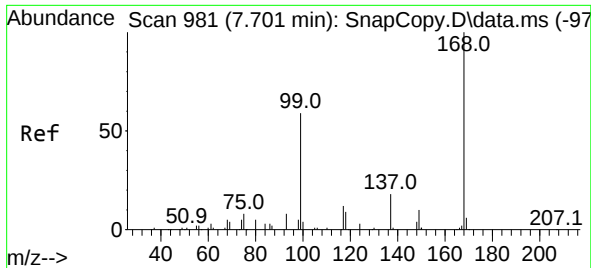
Ion Ratio Lower Upper

75 100

110 9.9 16.9 50.7#

77 0.0 24.6 36.8#

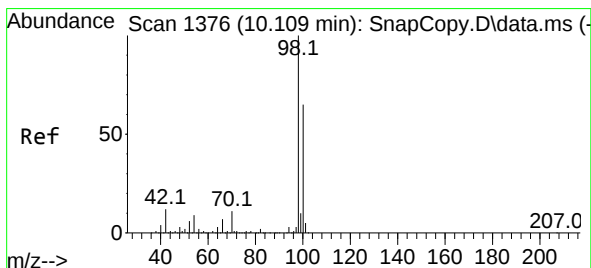
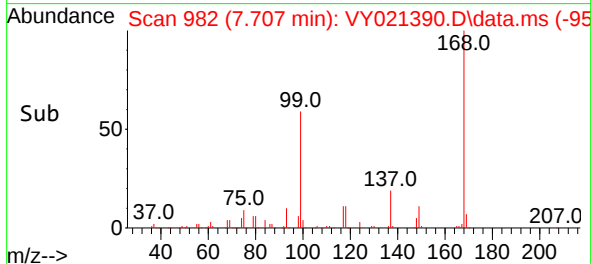
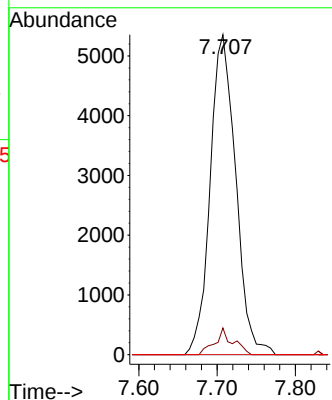
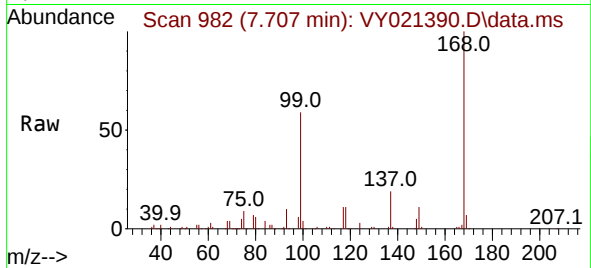




#38
Carbon Tetrachloride
Concen: 5.336 ug/l
RT: 7.707 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY021390.D
Acq: 28 Feb 2025 19:02

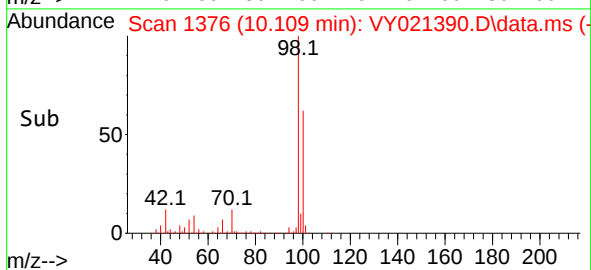
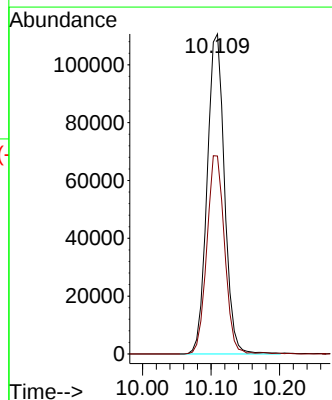
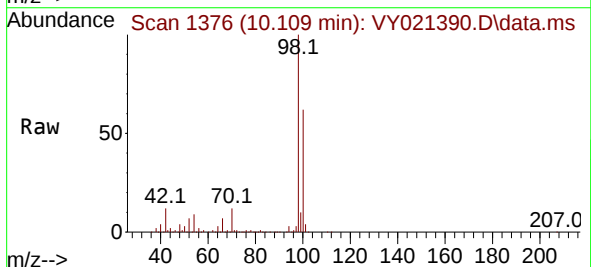
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ClientSampleId :
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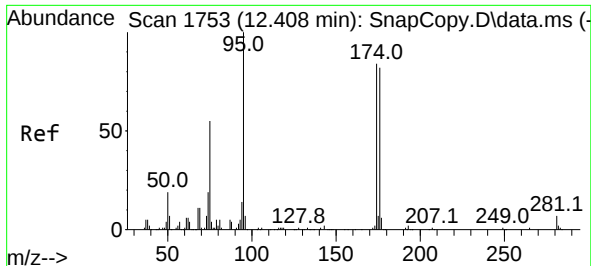
Tgt Ion:117 Resp: 12126
Ion Ratio Lower Upper
117 100
119 8.4 76.0 114.0#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 37.497 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY021390.D
Acq: 28 Feb 2025 19:02

Tgt Ion: 98 Resp: 194995
Ion Ratio Lower Upper
98 100
100 63.2 52.4 78.6

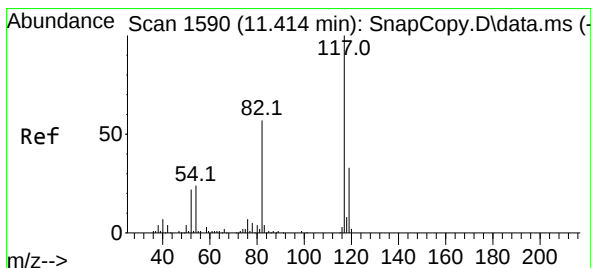
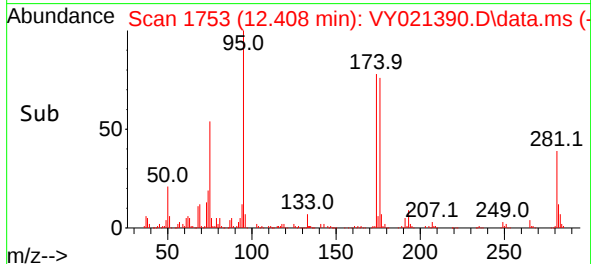
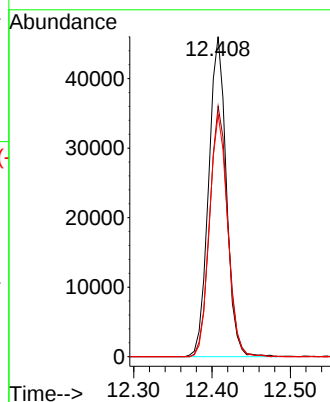
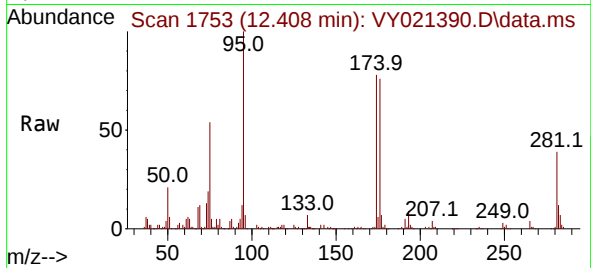




#62
4-Bromofluorobenzene
Concen: 41.156 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021390.D
Acq: 28 Feb 2025 19:02

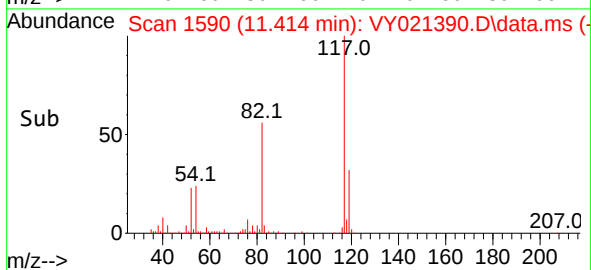
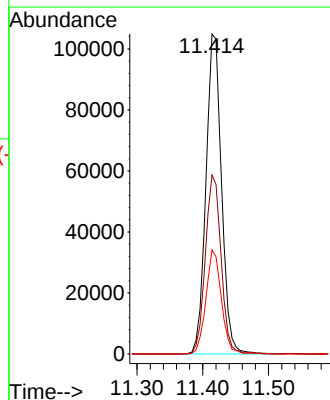
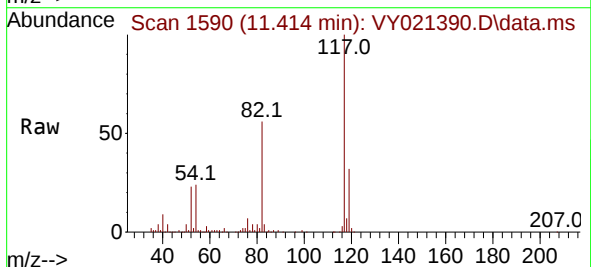
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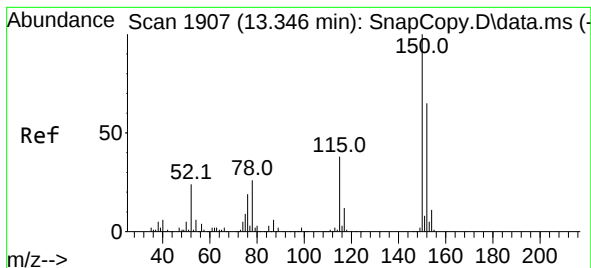
Tgt Ion: 95 Resp: 72028
Ion Ratio Lower Upper
95 100
174 79.9 0.0 168.0
176 77.7 0.0 162.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY021390.D
Acq: 28 Feb 2025 19:02

Tgt Ion: 117 Resp: 173222
Ion Ratio Lower Upper
117 100
82 55.9 46.2 69.4
119 32.5 24.9 37.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021390.D

Acq: 28 Feb 2025 19:02

Instrument :

MSVOA_Y

ClientSampleId :

HR-0-02272025

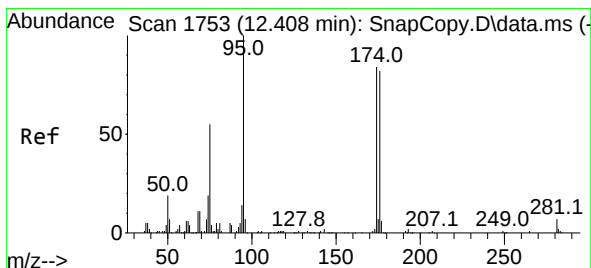
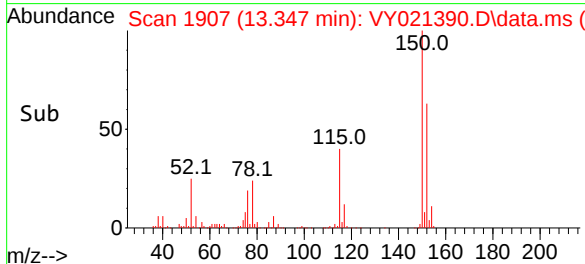
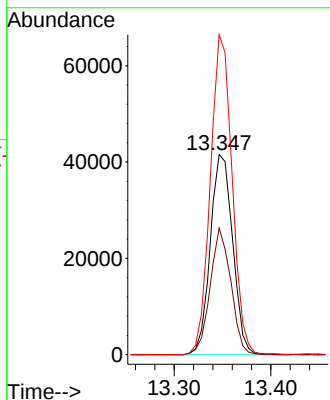
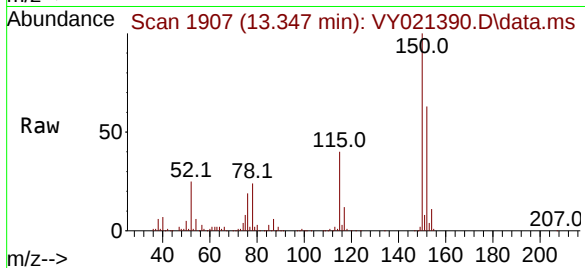
Tgt Ion:152 Resp: 66903

Ion Ratio Lower Upper

152 100

115 58.4 29.3 88.0

150 155.5 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 60.081 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY021390.D

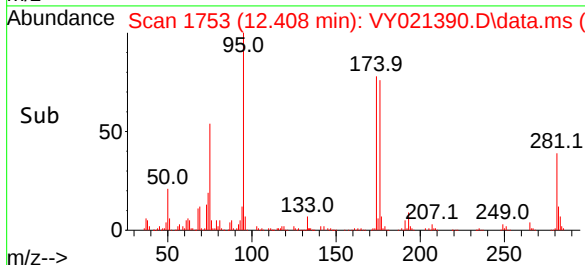
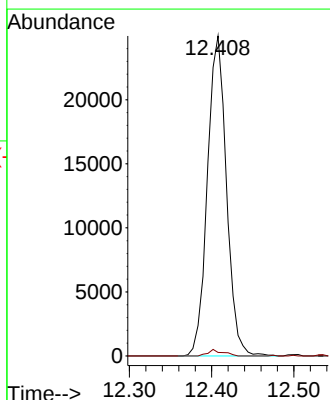
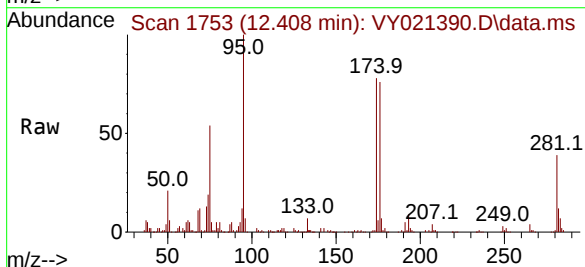
Acq: 28 Feb 2025 19:02

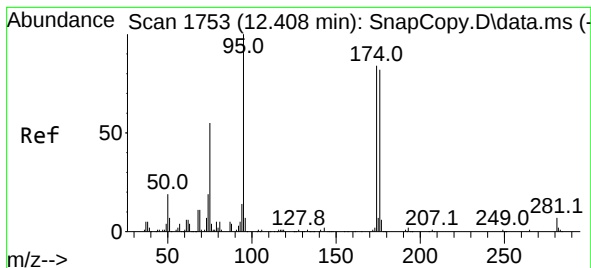
Tgt Ion: 75 Resp: 40234

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 133.538 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021390.D
 Acq: 28 Feb 2025 19:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-0-02272025

Tgt Ion: 75 Resp: 40234
 Ion Ratio Lower Upper
 75 100
 53 0.2 79.1 118.7#
 89 1.2 35.6 53.4#

