

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
 Data File : VY022417.D
 Acq On : 23 May 2025 19:34
 Operator : SY/MD
 Sample : Q2113-01
 Misc : 4.75g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HD-02-05222025

Quant Time: May 27 14:56:49 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)

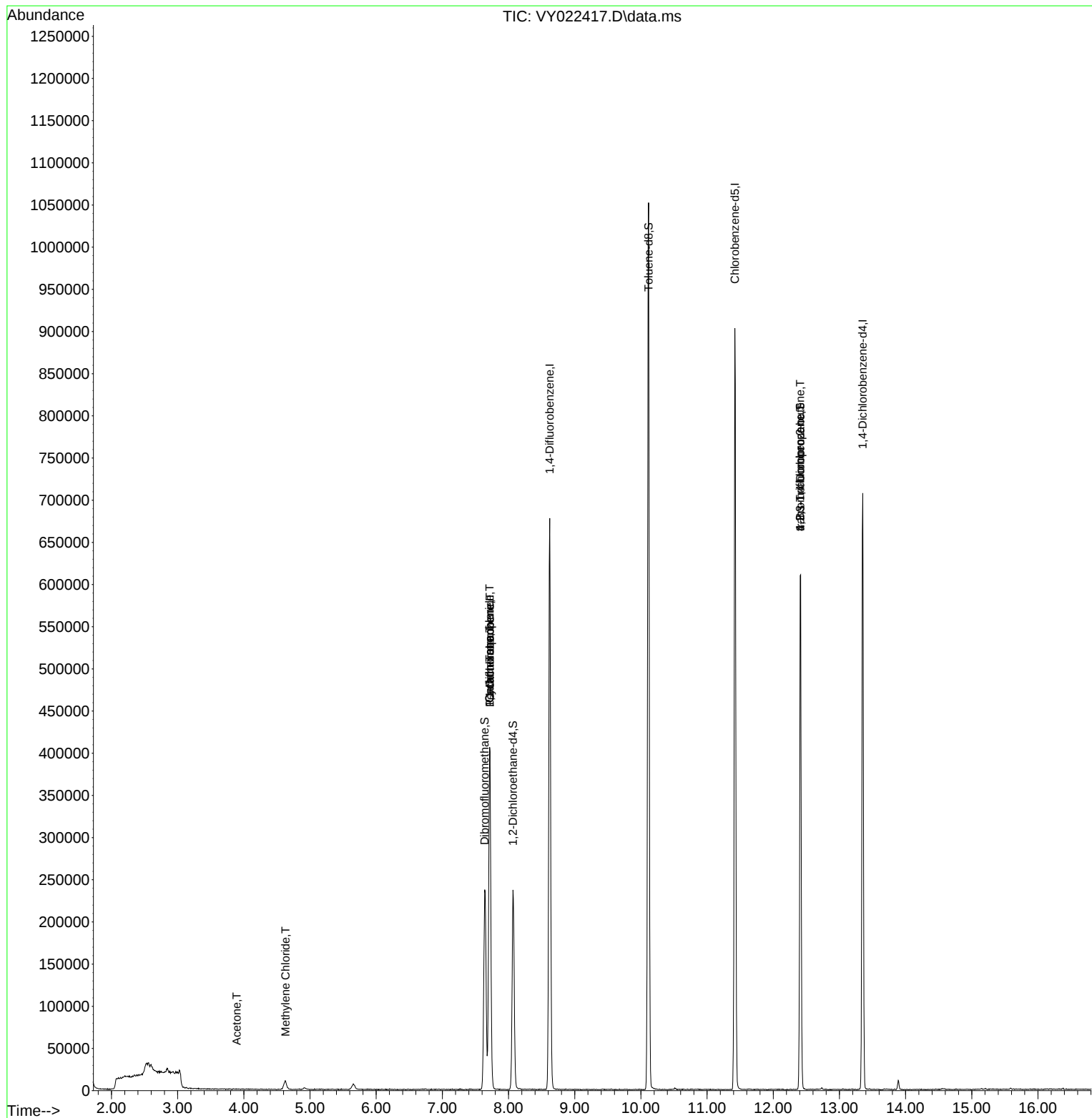
Internal Standards						
1) Pentafluorobenzene	7.719	168	310315	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	558093	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	446445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	165267	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	174678	51.505	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.020%			
35) Dibromofluoromethane	7.640	113	167781	50.369	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.740%			
50) Toluene-d8	10.115	98	665766	48.801	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.600%			
62) 4-Bromofluorobenzene	12.408	95	172282	39.842	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 79.680%			
Target Compounds					Qvalue	
16) Acetone	3.891	43	742	1.167	ug/l #	84
20) Methylene Chloride	4.628	84	6989	1.701	ug/l #	76
31) Cyclohexane	7.713	56	8302	1.210	ug/l #	22
36) 1,1-Dichloropropene	7.719	75	26088	4.755	ug/l #	51
38) Carbon Tetrachloride	7.713	117	31412	5.531	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	99165	59.227	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	99165	119.978	ug/l #	12

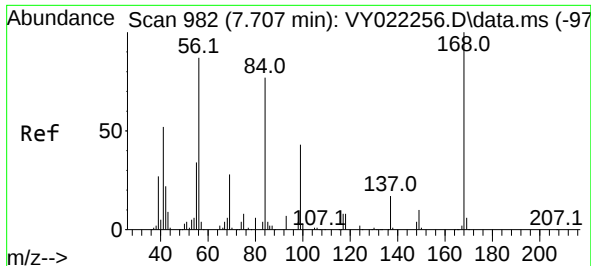
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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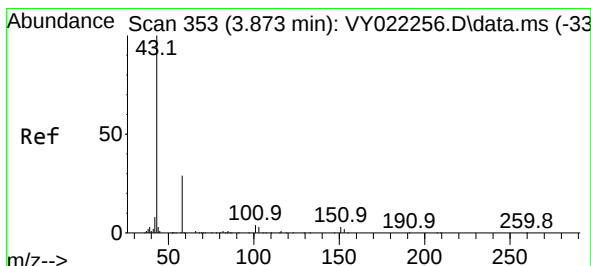
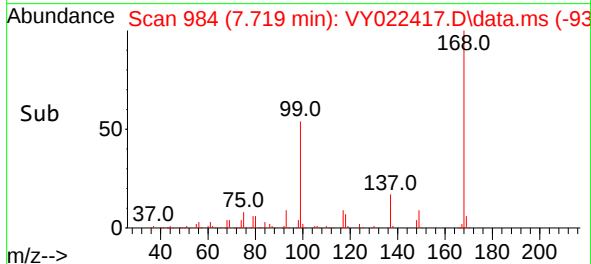
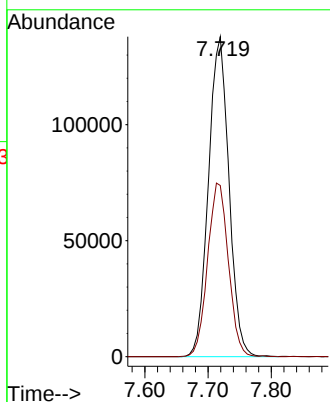
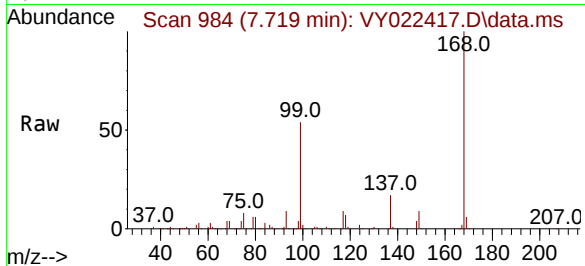




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY022417.D
Acq: 23 May 2025 19:34

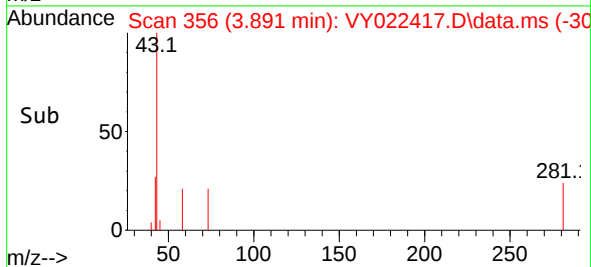
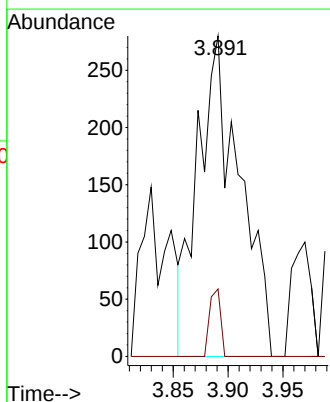
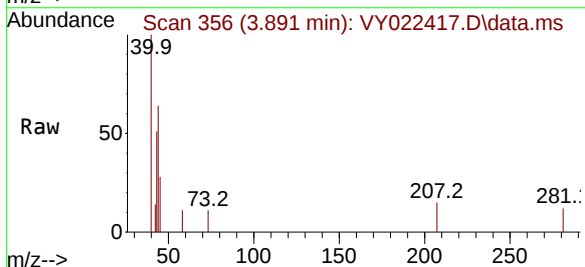
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-05222025

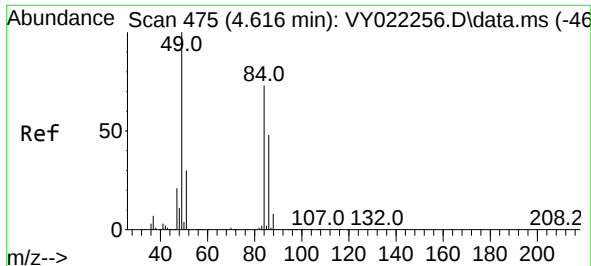
Tgt Ion:168 Resp: 310315
Ion Ratio Lower Upper
168 100
99 53.5 44.2 66.4



#16
Acetone
Concen: 1.167 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.018 min
Lab File: VY022417.D
Acq: 23 May 2025 19:34

Tgt Ion: 43 Resp: 742
Ion Ratio Lower Upper
43 100
58 21.1 23.6 35.4#

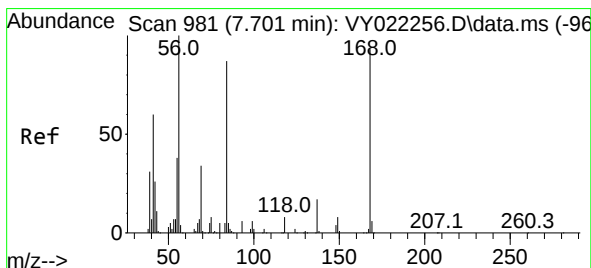
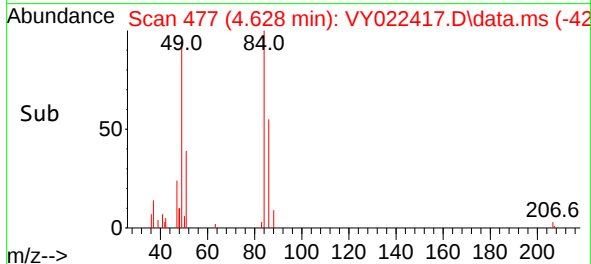
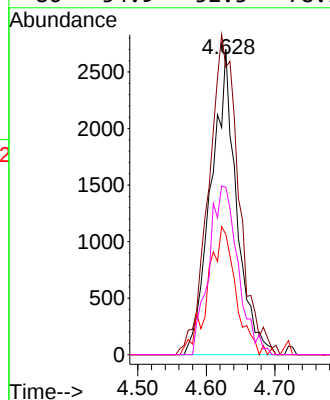
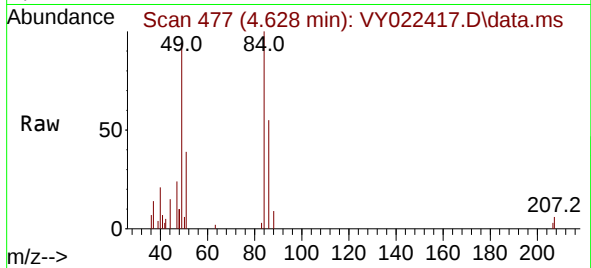




#20
Methylene Chloride
Concen: 1.701 ug/l
RT: 4.628 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY022417.D
Acq: 23 May 2025 19:34

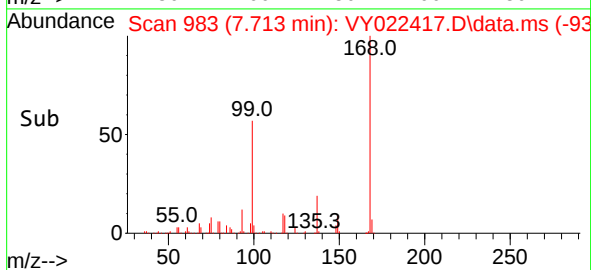
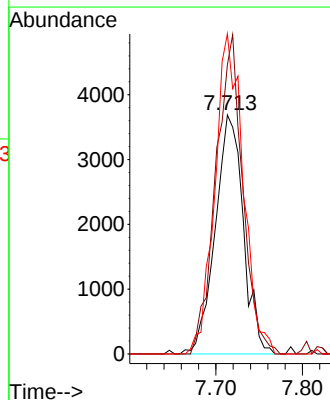
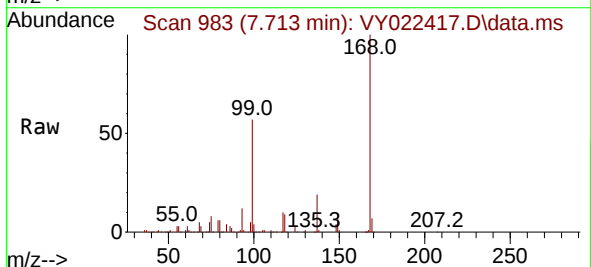
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-05222025

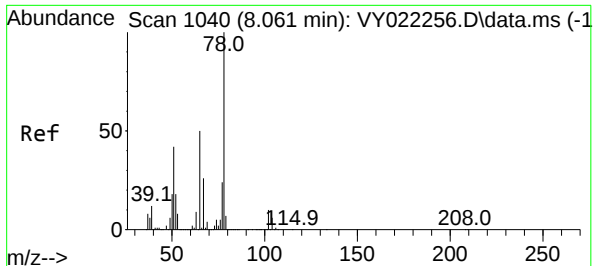
Tgt Ion:	84	Resp:	6989
Ion	Ratio	Lower	Upper
84	100		
49	94.3	109.6	164.4#
51	39.4	32.4	48.6
86	54.9	52.3	78.5



#31
Cyclohexane
Concen: 1.210 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY022417.D
Acq: 23 May 2025 19:34

Tgt Ion:	56	Resp:	8302
Ion	Ratio	Lower	Upper
56	100		
69	121.0	27.4	41.2#
84	133.9	70.0	105.0#





#33

1,2-Dichloroethane-d4

Concen: 51.505 ug/l

RT: 8.067 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY022417.D

Acq: 23 May 2025 19:34

Instrument :

MSVOA_Y

ClientSampleId :

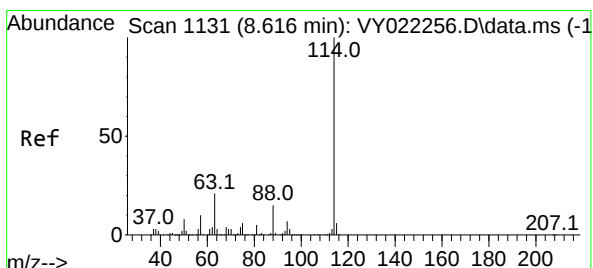
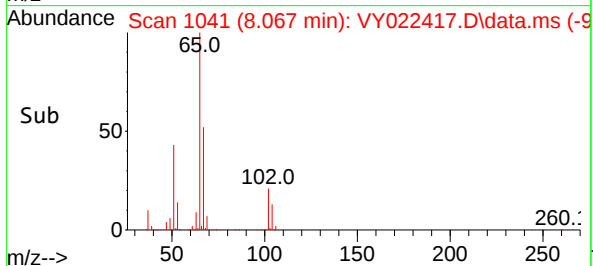
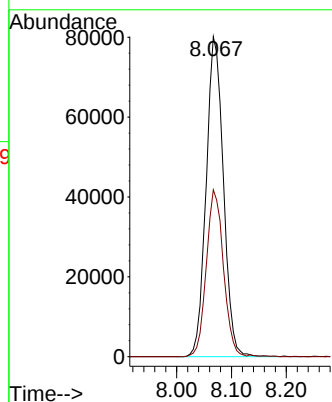
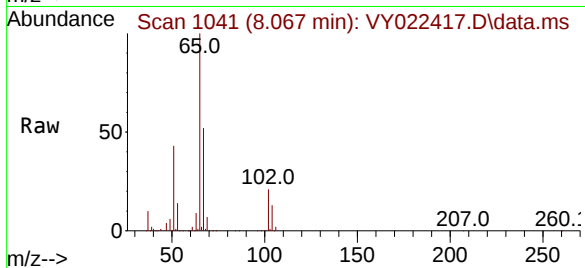
HD-02-05222025

Tgt Ion: 65 Resp: 174678

Ion Ratio Lower Upper

65 100

67 51.7 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022417.D

Acq: 23 May 2025 19:34

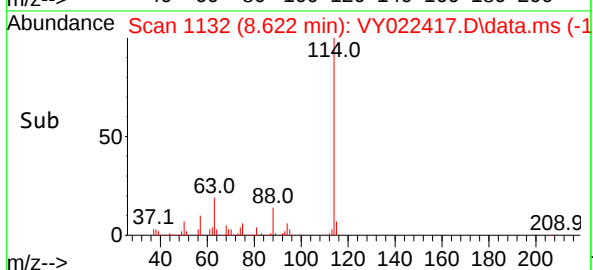
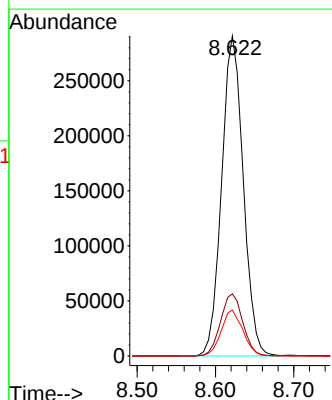
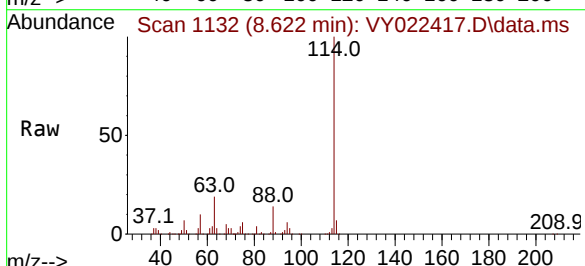
Tgt Ion: 114 Resp: 558093

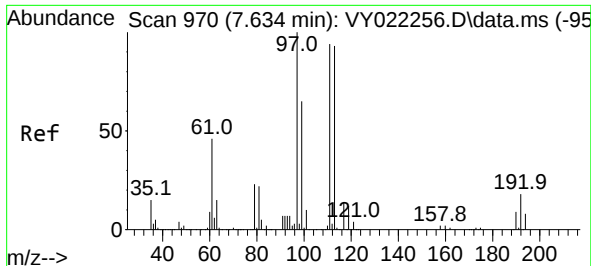
Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.0

88 14.3 0.0 29.4





#35

Dibromofluoromethane

Concen: 50.369 ug/l

RT: 7.640 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY022417.D

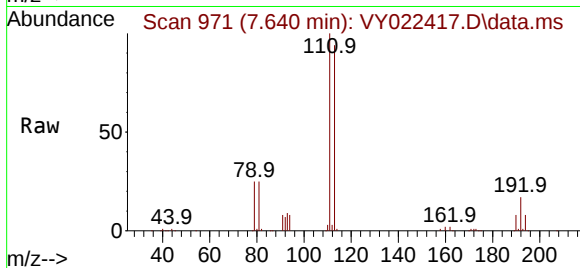
Acq: 23 May 2025 19:34

Instrument :

MSVOA_Y

ClientSampleId :

HD-02-05222025



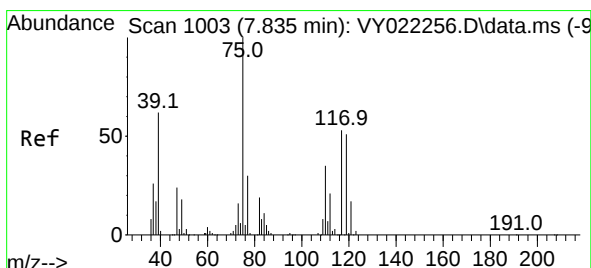
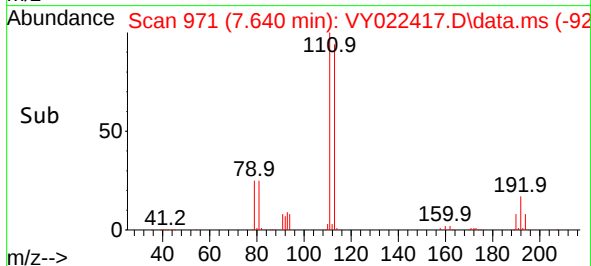
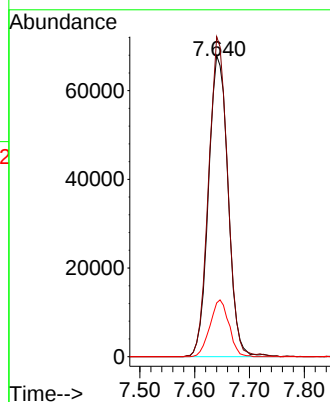
Tgt Ion:113 Resp: 167781

Ion Ratio Lower Upper

113 100

111 103.4 82.6 123.8

192 18.3 15.2 22.8



#36

1,1-Dichloropropene

Concen: 4.755 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.116 min

Lab File: VY022417.D

Acq: 23 May 2025 19:34

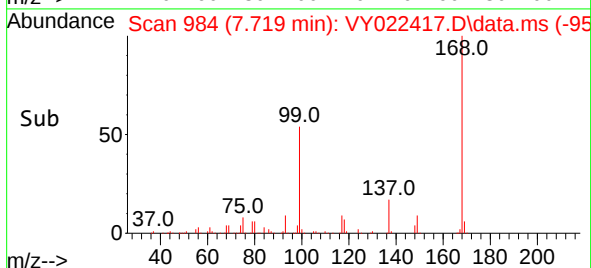
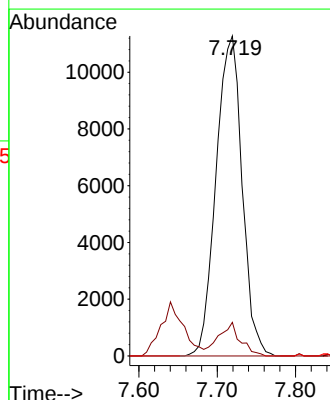
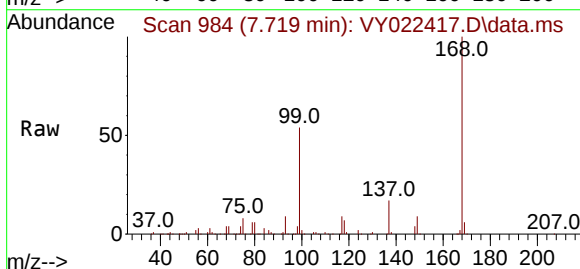
Tgt Ion: 75 Resp: 26088

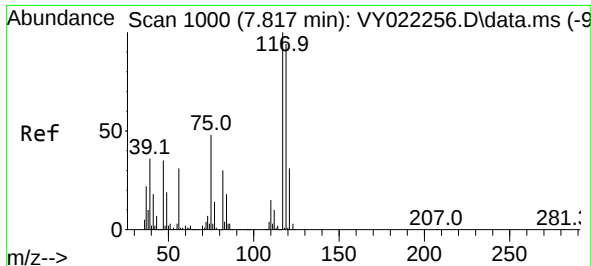
Ion Ratio Lower Upper

75 100

110 8.8 16.6 49.8#

77 0.0 24.6 37.0#

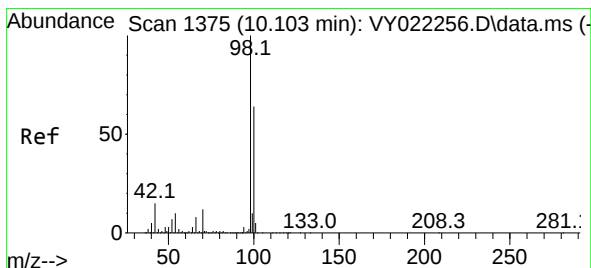
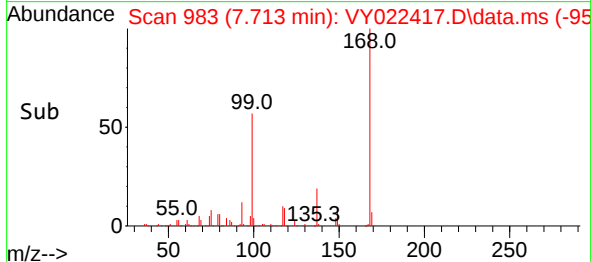
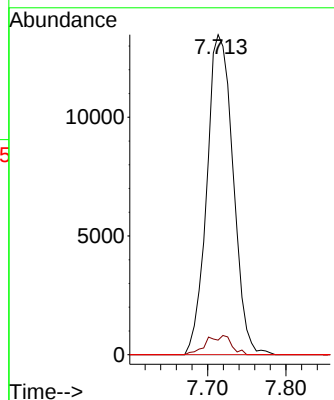
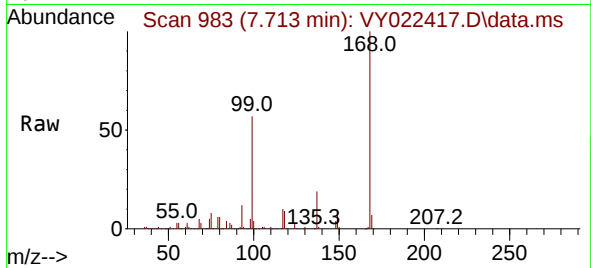




#38
Carbon Tetrachloride
Concen: 5.531 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY022417.D
Acq: 23 May 2025 19:34

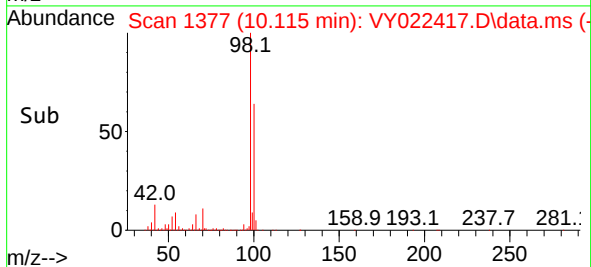
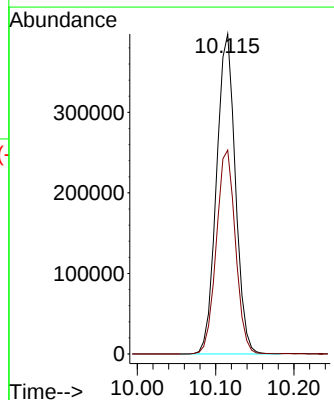
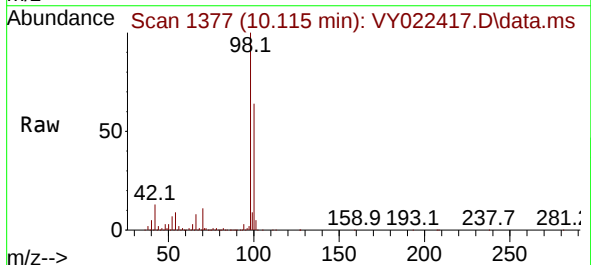
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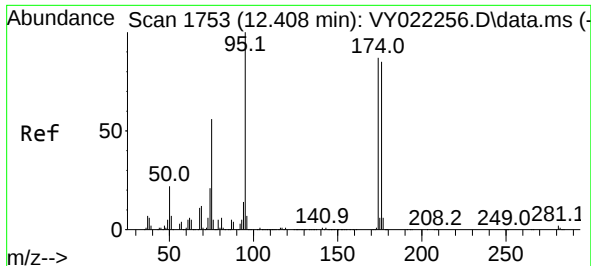
Tgt Ion:117 Resp: 31412
Ion Ratio Lower Upper
117 100
119 4.6 75.3 112.9#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.801 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.012 min
Lab File: VY022417.D
Acq: 23 May 2025 19:34

Tgt Ion: 98 Resp: 665766
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.8

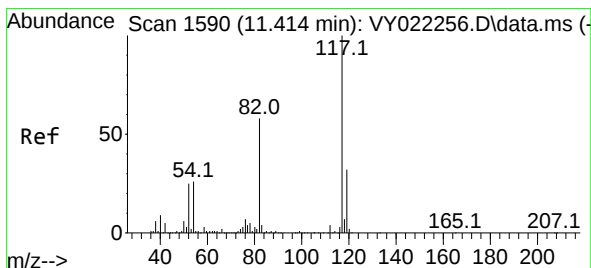
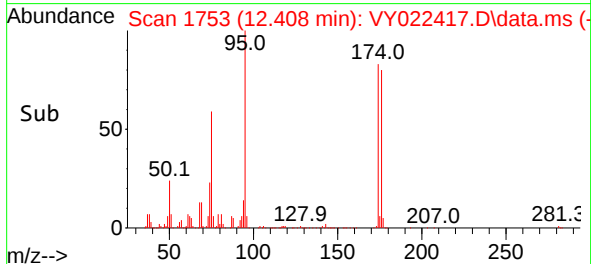
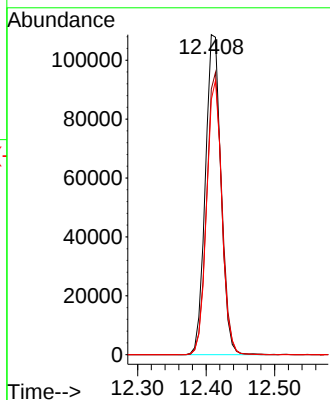
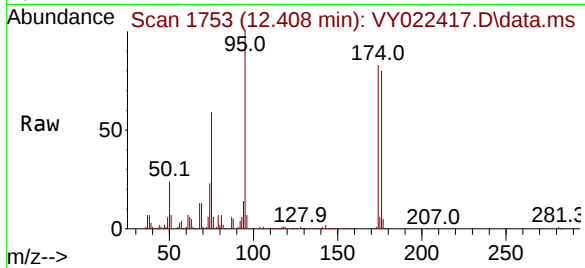




#62
4-Bromofluorobenzene
Concen: 39.842 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022417.D
Acq: 23 May 2025 19:34

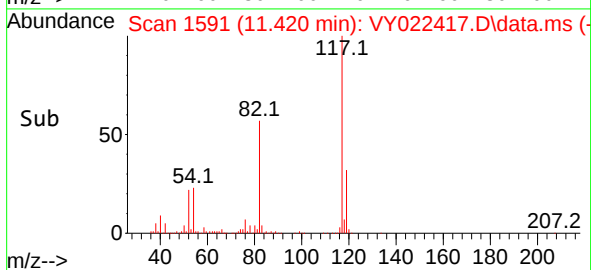
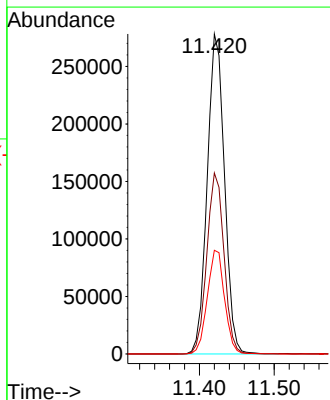
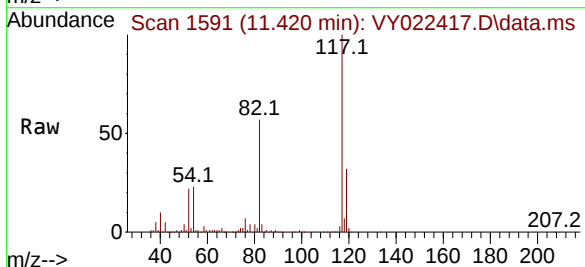
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HD-02-05222025

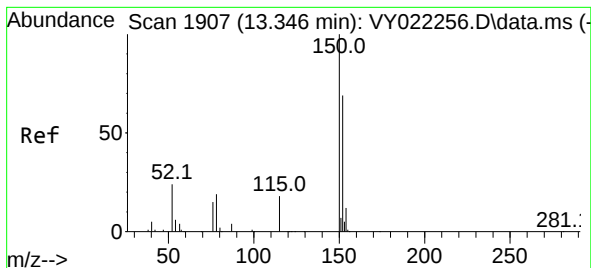
Tgt Ion:	95	Resp:	172282
Ion	Ratio	Lower	Upper
95	100		
174	86.5	0.0	166.8
176	83.6	0.0	160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY022417.D
Acq: 23 May 2025 19:34

Tgt Ion:	117	Resp:	446445
Ion	Ratio	Lower	Upper
117	100		
82	56.5	46.6	70.0
119	32.4	25.8	38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY022417.D

Acq: 23 May 2025 19:34

Instrument :

MSVOA_Y

ClientSampleId :

HD-02-05222025

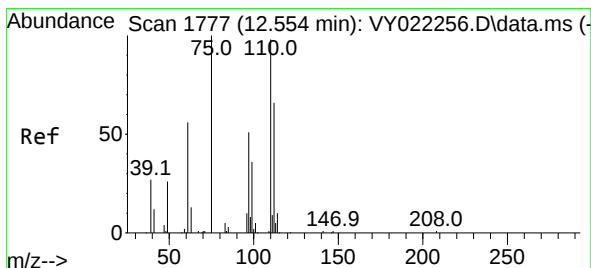
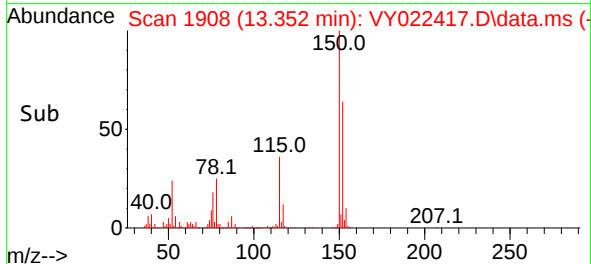
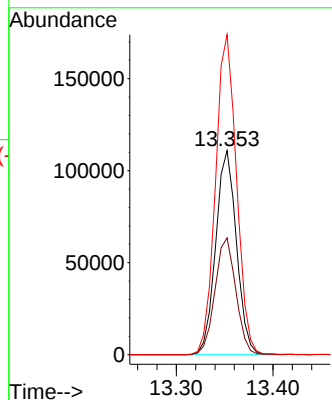
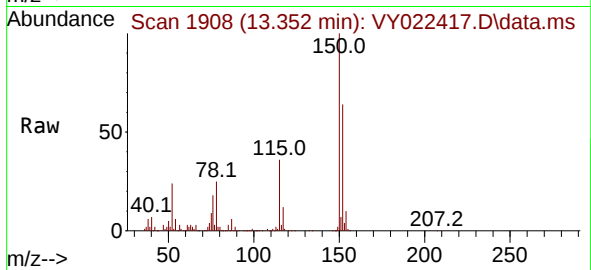
Tgt Ion:152 Resp: 165267

Ion Ratio Lower Upper

152 100

115 57.6 29.4 88.2

150 158.5 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 59.227 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022417.D

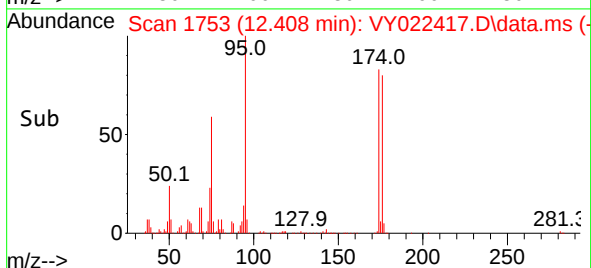
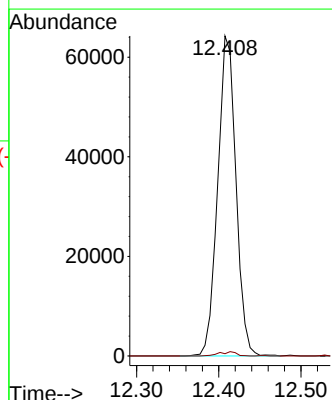
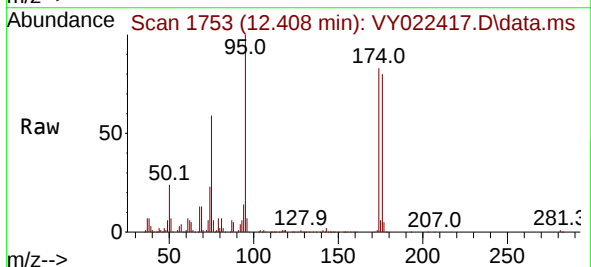
Acq: 23 May 2025 19:34

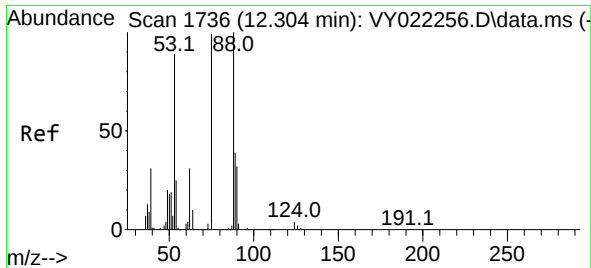
Tgt Ion: 75 Resp: 99165

Ion Ratio Lower Upper

75 100

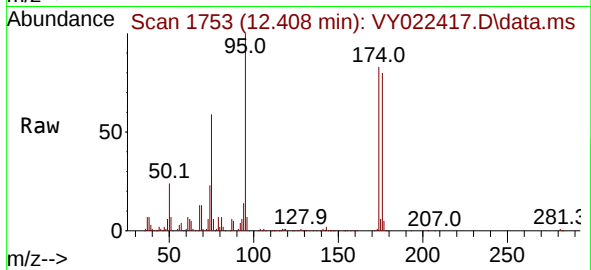
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.978 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY022417.D
 Acq: 23 May 2025 19:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 HD-02-05222025



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	75.8	113.8#
89	0.0	36.2	54.2#

