

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022951.D
 Acq On : 07 Jul 2025 11:41
 Operator : SY/MD
 Sample : Q2513-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-2-070325

Quant Time: Jul 08 01:44:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	334023	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	627175	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	639888	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	297166	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	188781	50.638	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.280%
35) Dibromofluoromethane	7.634	113	198980	52.169	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.340%
50) Toluene-d8	10.103	98	777260	51.355	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.700%
62) 4-Bromofluorobenzene	12.402	95	291440	59.900	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	119.800%

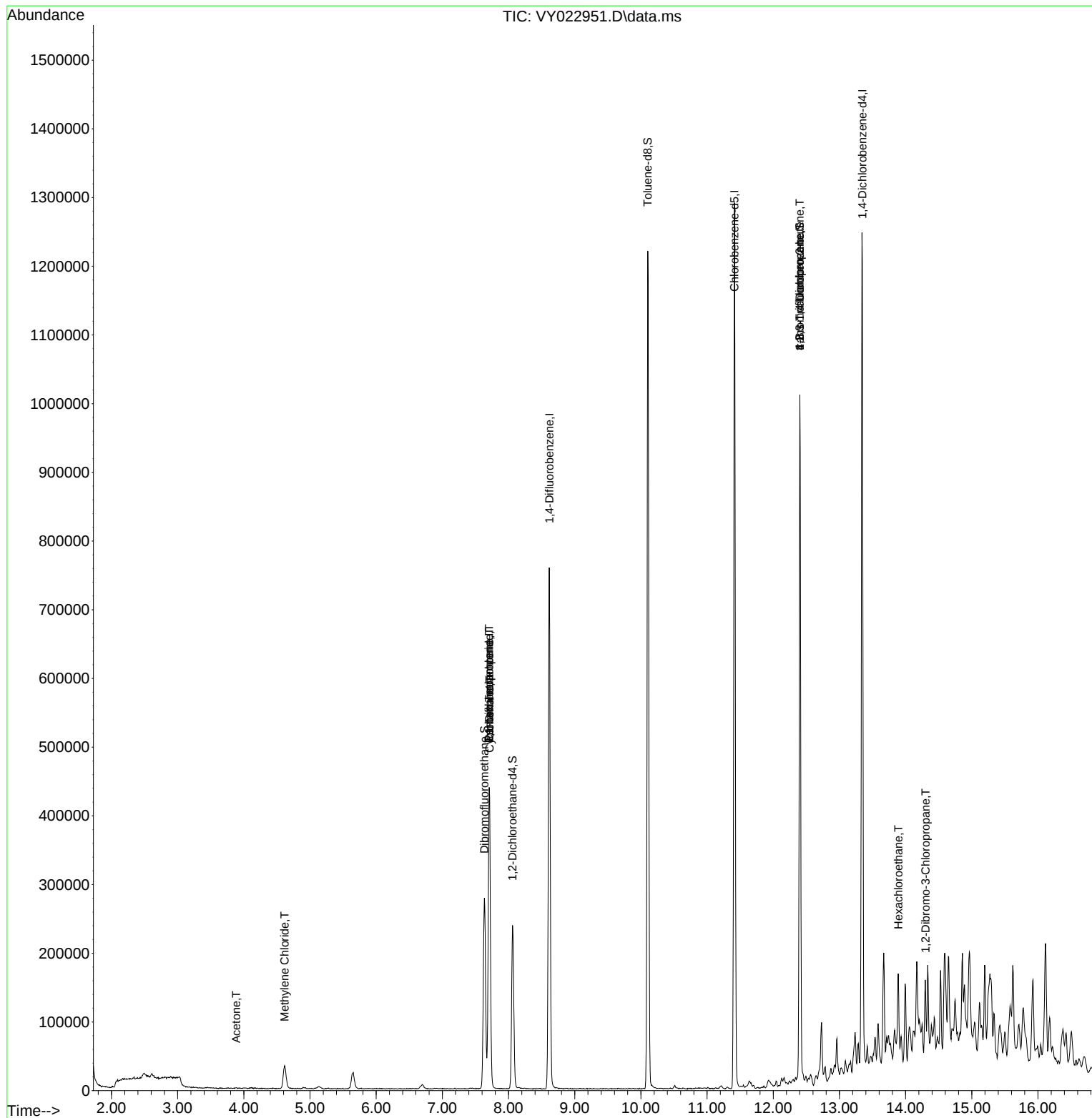
Target Compounds						Qvalue
16) Acetone	3.885	43	1884	2.674	ug/l	96
20) Methylene Chloride	4.616	84	24244	5.448	ug/l	97
31) Cyclohexane	7.713	56	8455	1.320	ug/l #	27
36) 1,1-Dichloropropene	7.707	75	28336	4.901	ug/l #	50
38) Carbon Tetrachloride	7.707	117	34887	5.719	ug/l #	17
76) 1,2,3-Trichloropropane	12.402	75	161523	53.241	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	161523	134.507	ug/l #	11
90) Hexachloroethane	13.889	117	4173	1.069	ug/l #	18
92) 1,2-Dibromo-3-Chloropr...	14.304	75	640	1.065	ug/l #	2

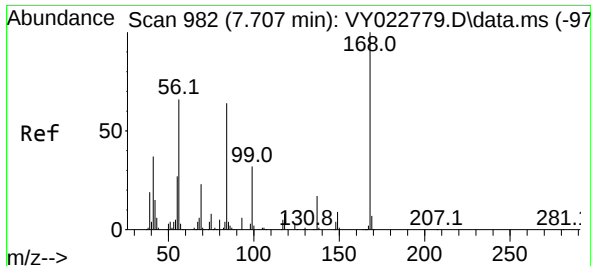
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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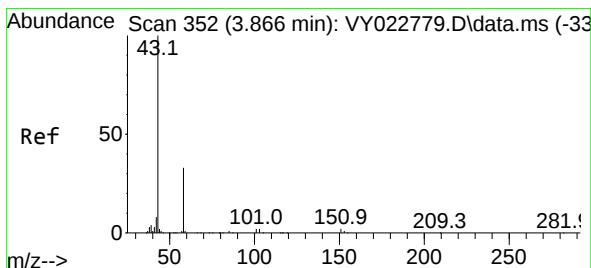
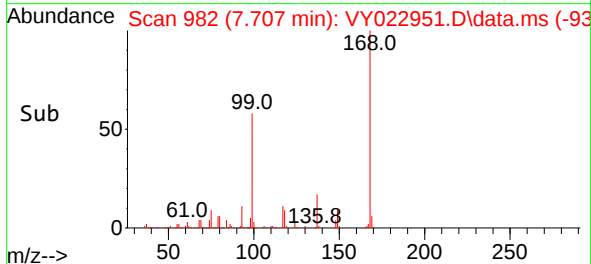
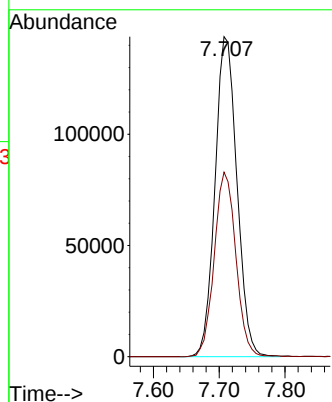
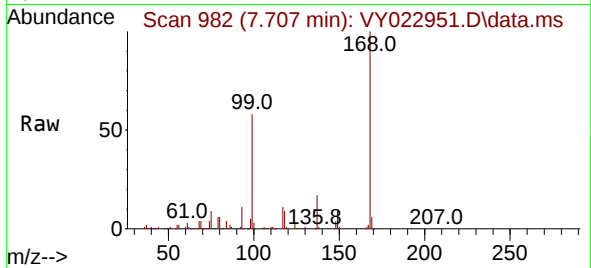




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022951.D
Acq: 07 Jul 2025 11:41

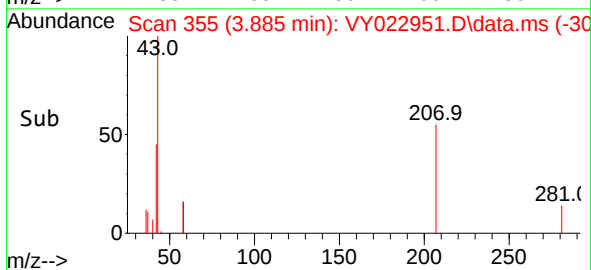
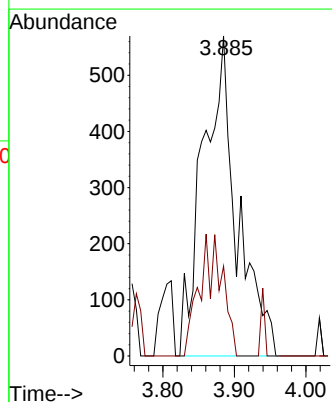
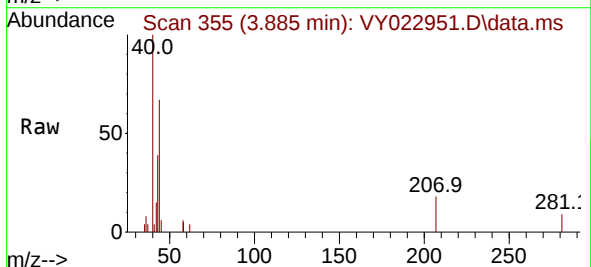
Instrument :
MSVOA_Y
ClientSampleId :
HR-2-070325

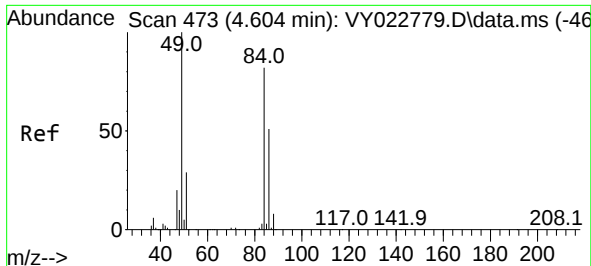
Tgt Ion:168 Resp: 334023
Ion Ratio Lower Upper
168 100
99 57.6 44.3 66.5



#16
Acetone
Concen: 2.674 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022951.D
Acq: 07 Jul 2025 11:41

Tgt Ion: 43 Resp: 1884
Ion Ratio Lower Upper
43 100
58 28.1 24.0 36.0

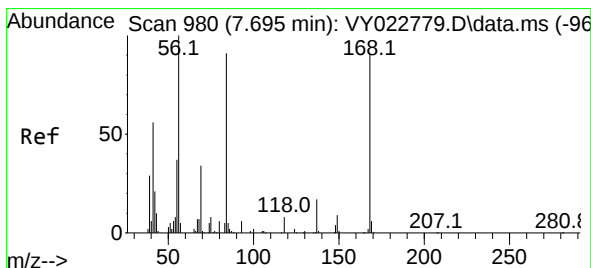
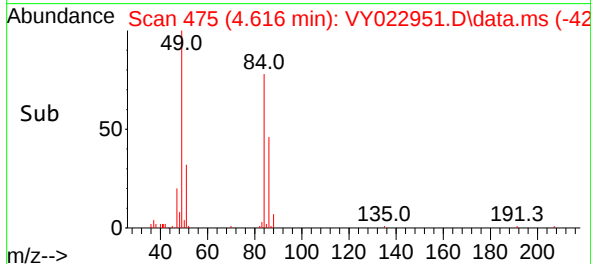
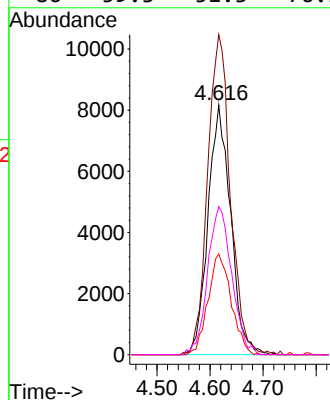
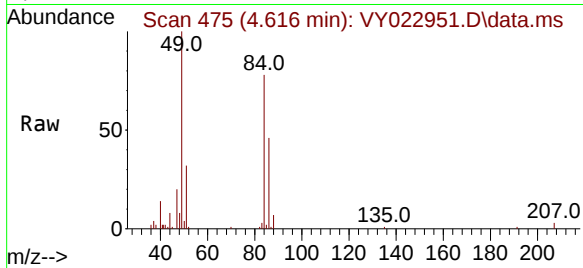




#20
Methylene Chloride
Concen: 5.448 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022951.D
Acq: 07 Jul 2025 11:41

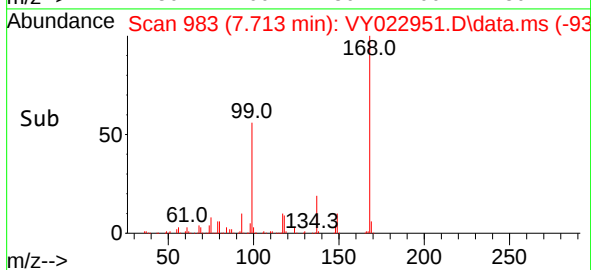
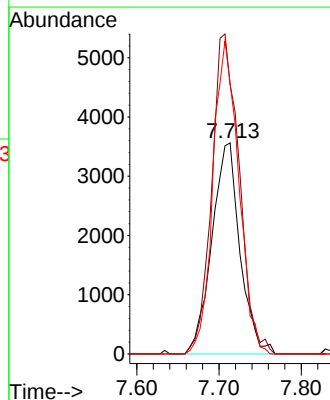
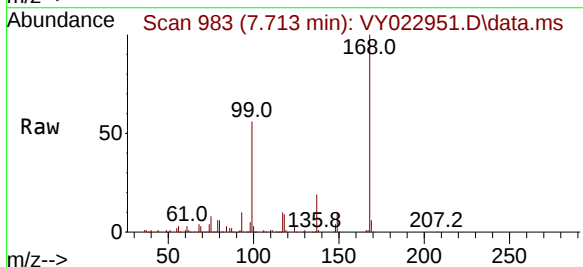
Instrument :
MSVOA_Y
ClientSampleId :
HR-2-070325

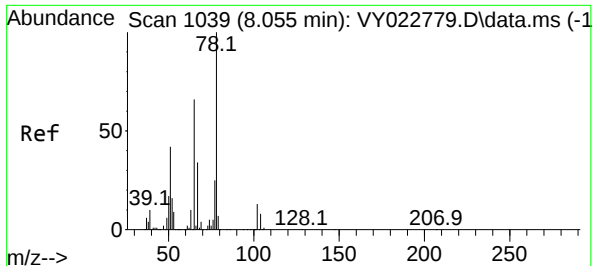
Tgt Ion:	84	Resp:	24244
Ion	Ratio	Lower	Upper
84	100		
49	128.2	101.9	152.9
51	40.4	29.8	44.8
86	59.3	51.3	76.9



#31
Cyclohexane
Concen: 1.320 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY022951.D
Acq: 07 Jul 2025 11:41

Tgt Ion:	56	Resp:	8455
Ion	Ratio	Lower	Upper
56	100		
69	127.6	27.0	40.6#
84	128.1	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 50.638 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022951.D

Acq: 07 Jul 2025 11:41

Instrument :

MSVOA_Y

ClientSampleId :

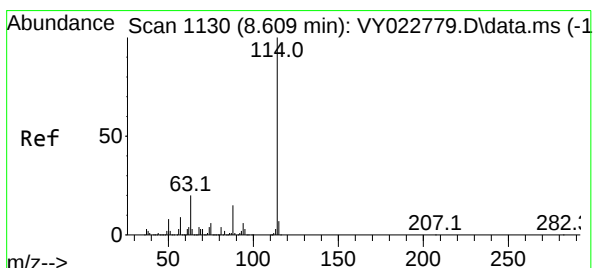
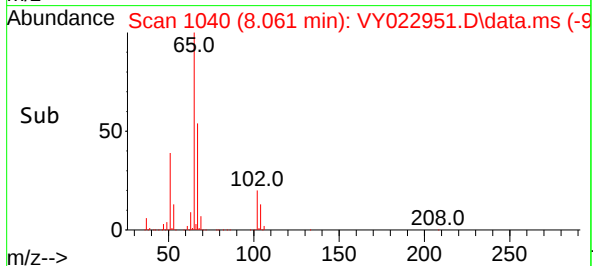
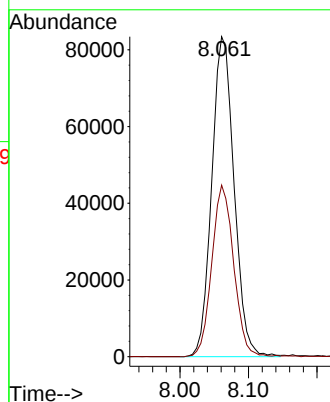
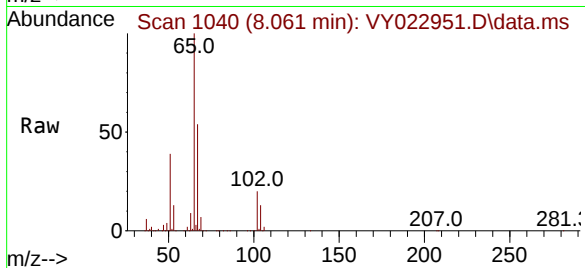
HR-2-070325

Tgt Ion: 65 Resp: 188781

Ion Ratio Lower Upper

65 100

67 52.5 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022951.D

Acq: 07 Jul 2025 11:41

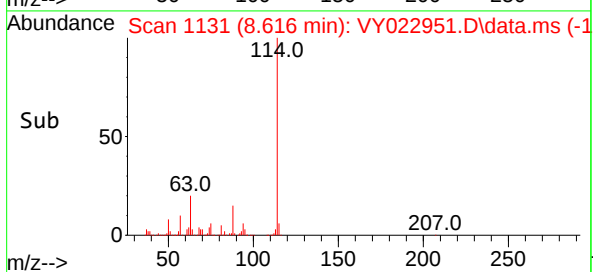
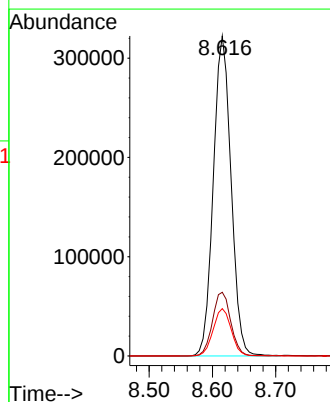
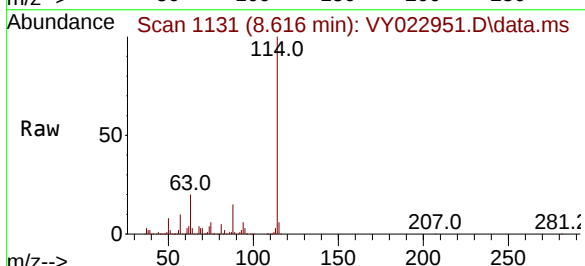
Tgt Ion:114 Resp: 627175

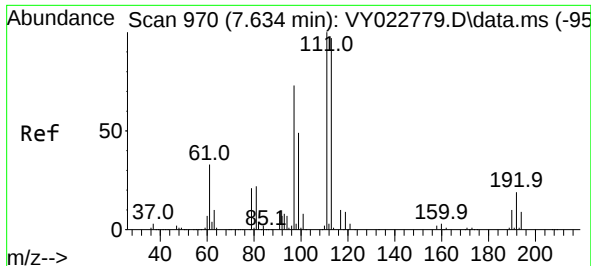
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

88 14.8 0.0 27.8

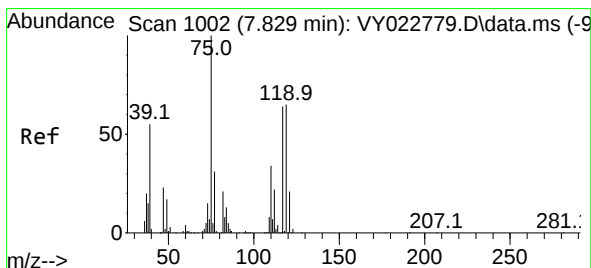
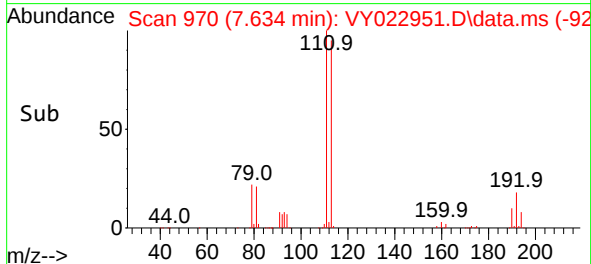
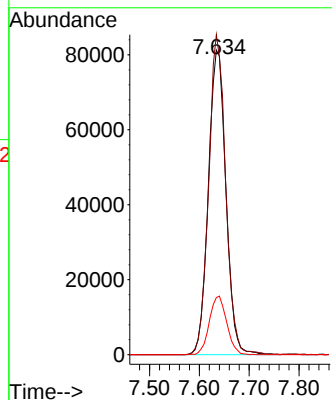
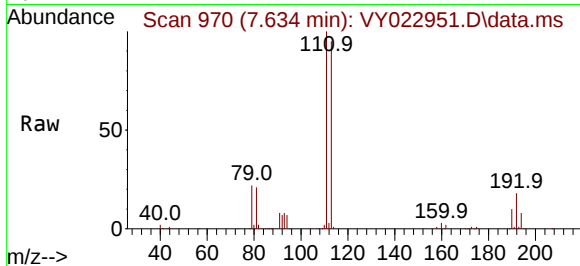




#35
Dibromofluoromethane
Concen: 52.169 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022951.D
Acq: 07 Jul 2025 11:41

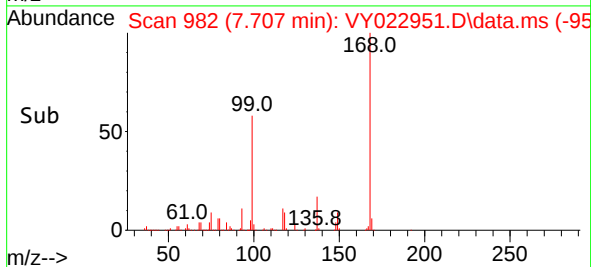
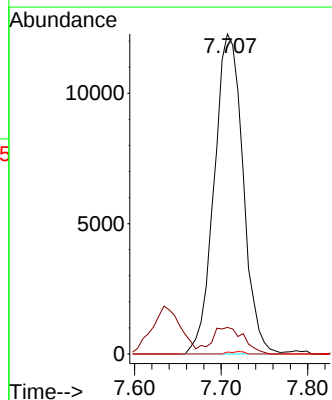
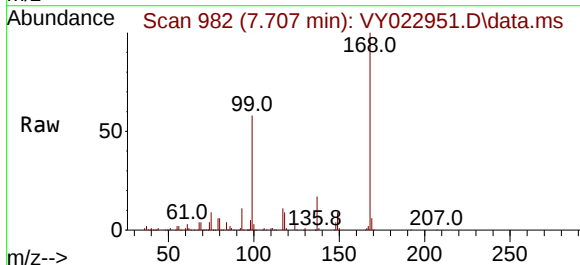
Instrument :
MSVOA_Y
ClientSampleId :
HR-2-070325

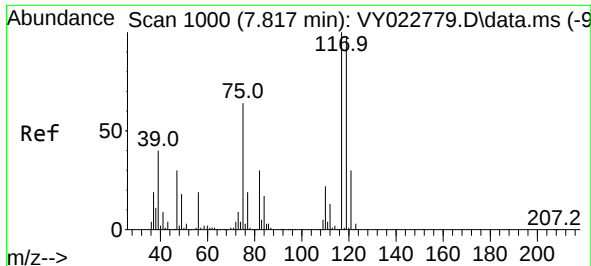
Tgt Ion:113 Resp: 198980
Ion Ratio Lower Upper
113 100
111 101.8 81.1 121.7
192 19.0 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.901 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022951.D
Acq: 07 Jul 2025 11:41

Tgt Ion: 75 Resp: 28336
Ion Ratio Lower Upper
75 100
110 8.5 16.9 50.7#
77 0.4 24.8 37.2#

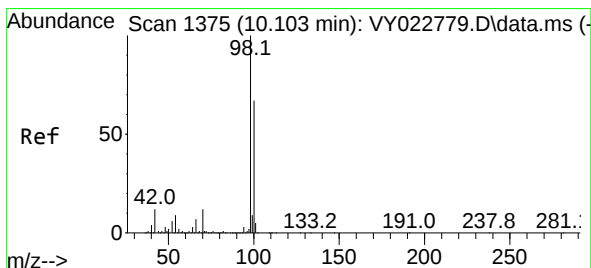
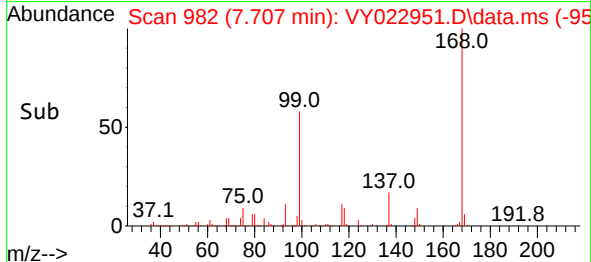
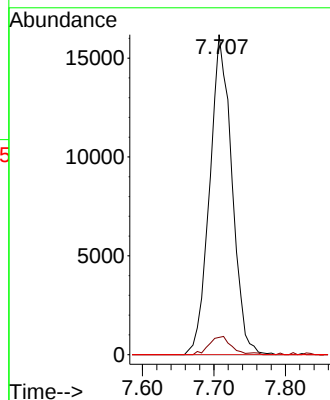
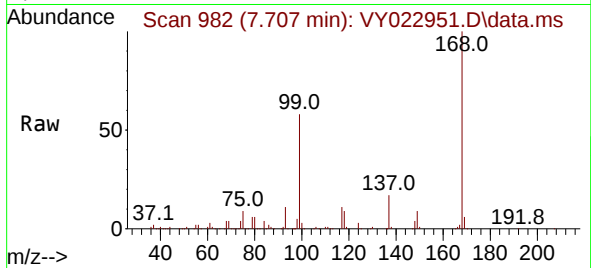




#38
Carbon Tetrachloride
Concen: 5.719 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022951.D
Acq: 07 Jul 2025 11:41

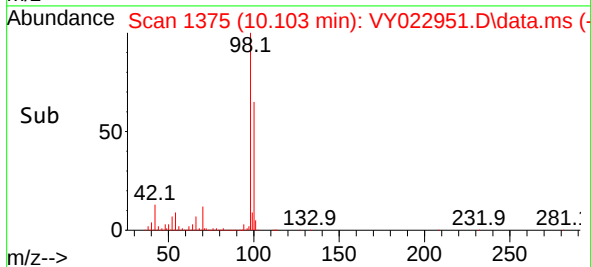
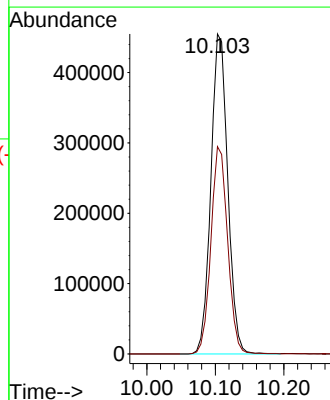
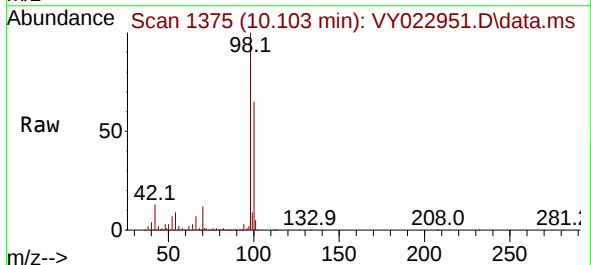
Instrument :
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ClientSampleId :
HR-2-070325

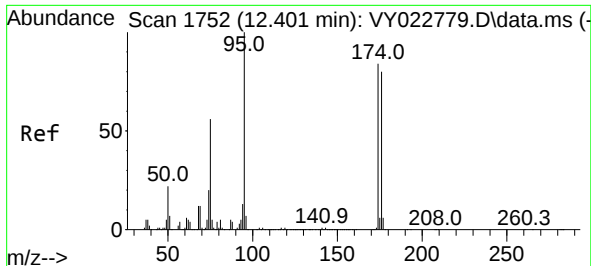
Tgt Ion:117 Resp: 34887
Ion Ratio Lower Upper
117 100
119 5.4 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 51.355 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022951.D
Acq: 07 Jul 2025 11:41

Tgt Ion: 98 Resp: 777260
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0

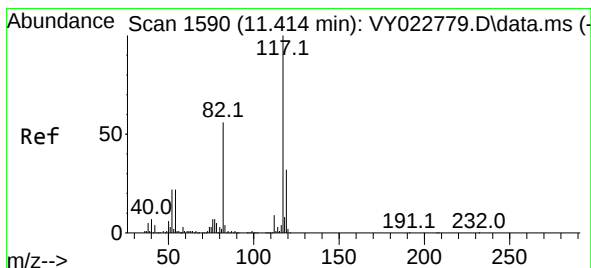
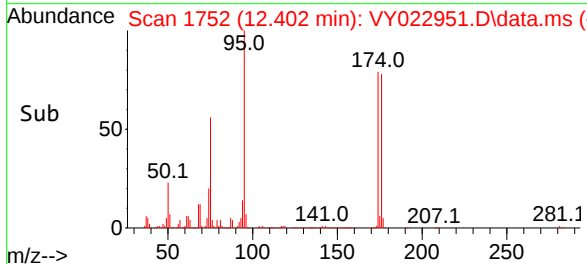
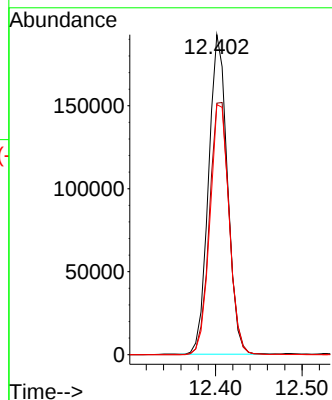
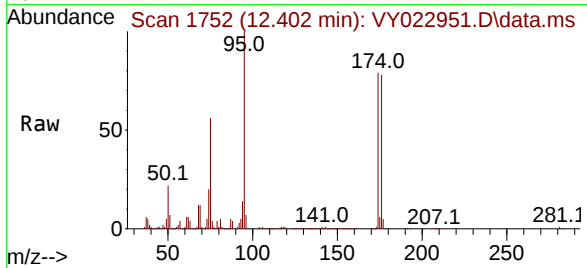




#62
4-Bromofluorobenzene
Concen: 59.900 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022951.D
Acq: 07 Jul 2025 11:41

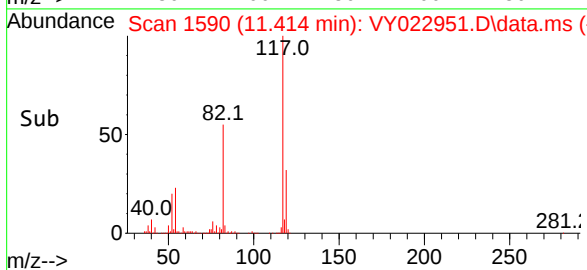
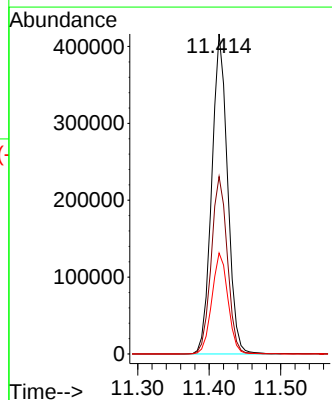
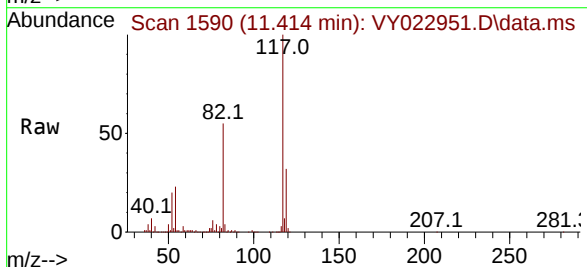
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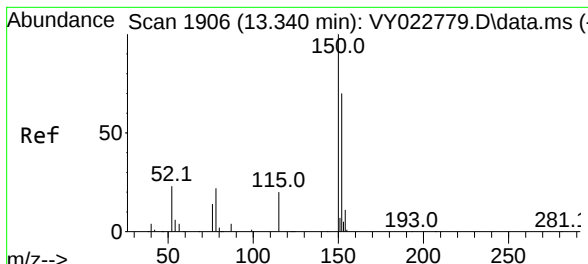
Tgt Ion: 95 Resp: 291440
Ion Ratio Lower Upper
95 100
174 82.6 0.0 170.0
176 79.9 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022951.D
Acq: 07 Jul 2025 11:41

Tgt Ion: 117 Resp: 639888
Ion Ratio Lower Upper
117 100
82 55.4 44.6 66.8
119 31.5 25.4 38.0



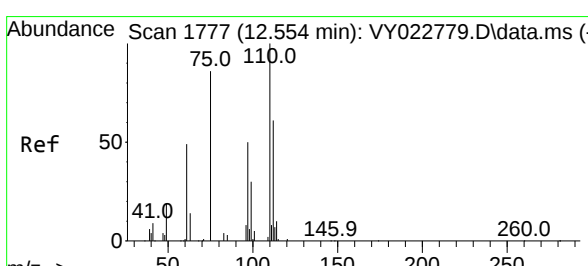
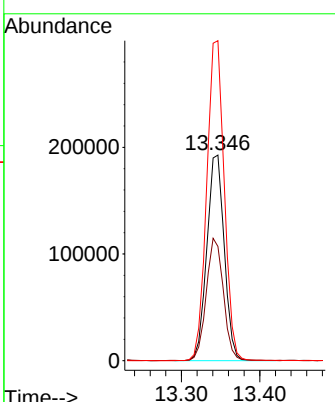
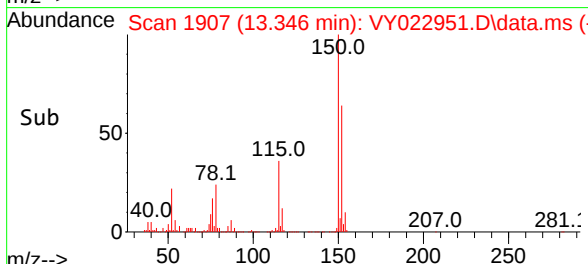
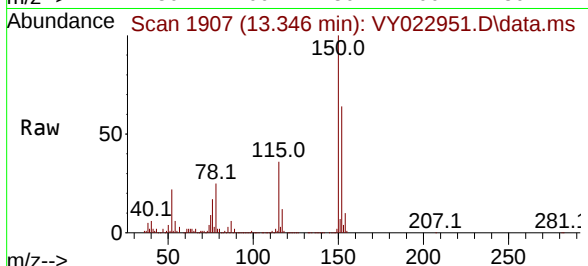


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1906
 Delta R.T. -0.000 min
 Lab File: VY022951.D
 Acq: 07 Jul 2025 11:41

Instrument : MSVOA_Y
 ClientSampleId : HR-2-070325

Tgt Ion:152 Resp: 297166

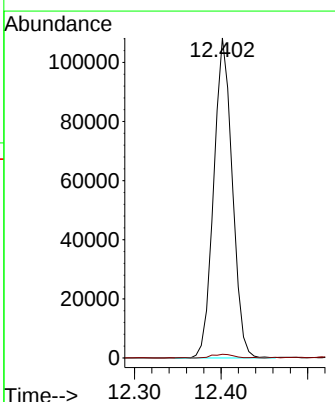
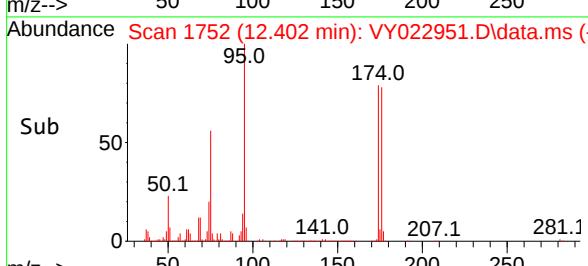
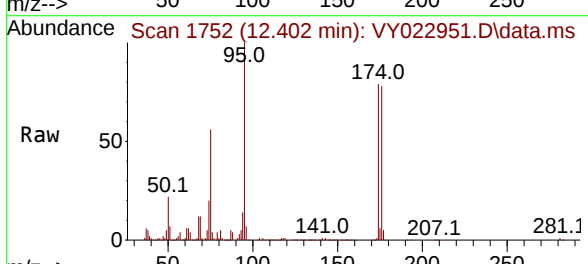
Ion	Ratio	Lower	Upper
152	100		
115	58.7	28.9	86.7
150	156.9	0.0	349.6

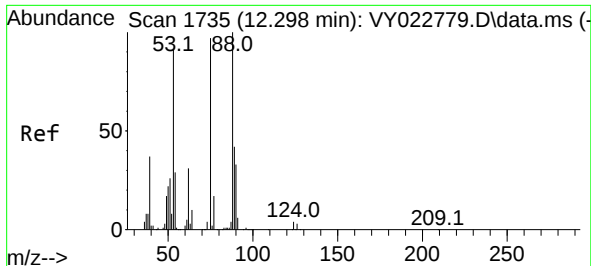


#76
 1,2,3-Trichloropropane
 Concen: 53.241 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. -0.153 min
 Lab File: VY022951.D
 Acq: 07 Jul 2025 11:41

Tgt Ion: 75 Resp: 161523

Ion	Ratio	Lower	Upper
75	100		
77	1.4	0.0	0.0#

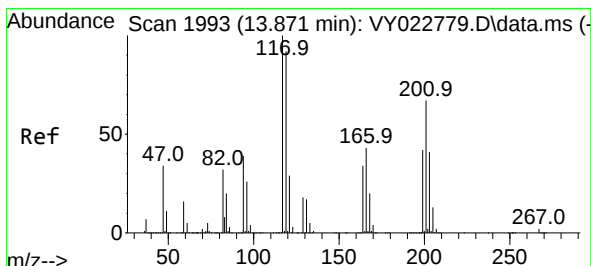
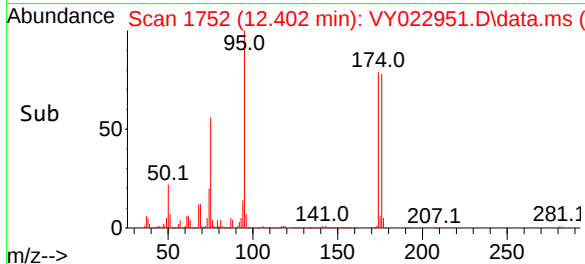
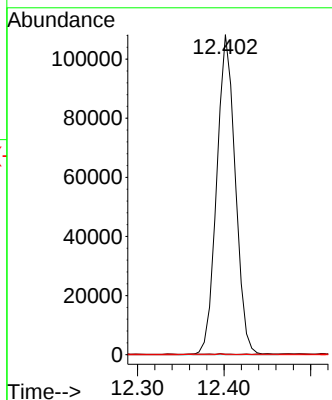
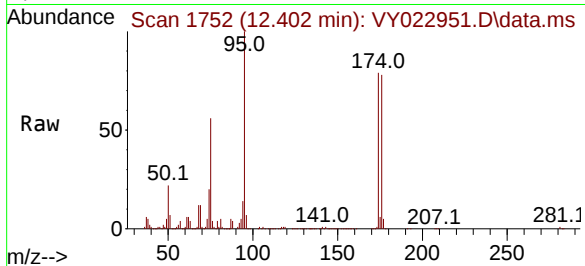




#81
trans-1,4-Dichloro-2-butene
Concen: 134.507 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY022951.D
Acq: 07 Jul 2025 11:41

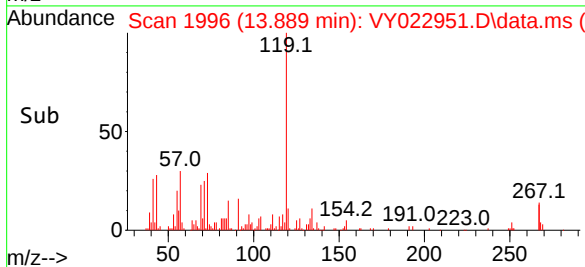
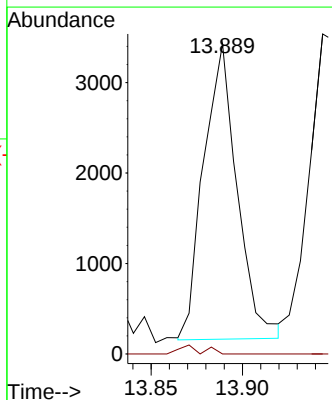
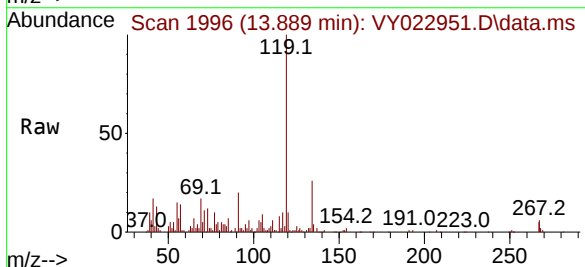
Instrument :
MSVOA_Y
ClientSampleId :
HR-2-070325

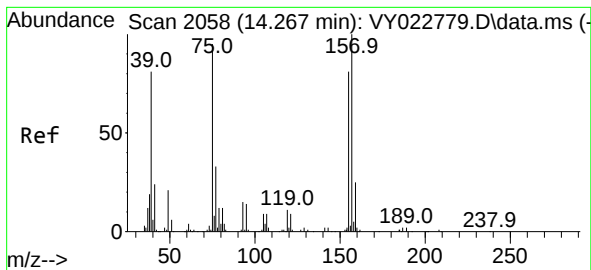
Tgt Ion: 75 Resp: 161523
Ion Ratio Lower Upper
75 100
53 0.1 78.5 117.7#
89 0.1 35.7 53.5#



#90
Hexachloroethane
Concen: 1.069 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.006 min
Lab File: VY022951.D
Acq: 07 Jul 2025 11:41

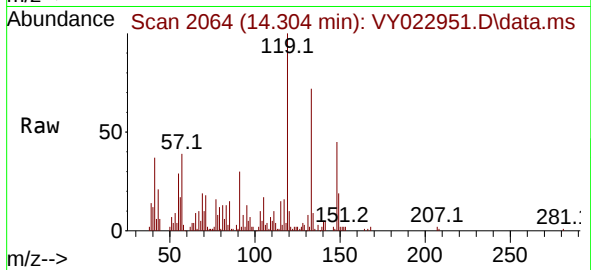
Tgt Ion: 117 Resp: 4173
Ion Ratio Lower Upper
117 100
201 2.0 34.0 102.0#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.065 ug/l
 RT: 14.304 min Scan# 2058
 Delta R.T. 0.030 min
 Lab File: VY022951.D
 Acq: 07 Jul 2025 11:41

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-2-070325



Tgt Ion: 75 Resp: 640
 Ion Ratio Lower Upper
 75 100
 155 0.0 39.9 119.6#
 157 0.0 54.0 162.0#

