

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012925\
 Data File : VY020958.D
 Acq On : 29 Jan 2025 09:30
 Operator : SY/MD
 Sample : VY0129SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 30 00:31:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 25 01:12:18 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	210912	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	361800	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	309527	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	119372	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	105932	62.994	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	125.980%
35) Dibromofluoromethane	7.646	113	114754	55.249	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.500%
50) Toluene-d8	10.115	98	420548	52.200	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.400%
62) 4-Bromofluorobenzene	12.414	95	126487	47.175	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	94.340%

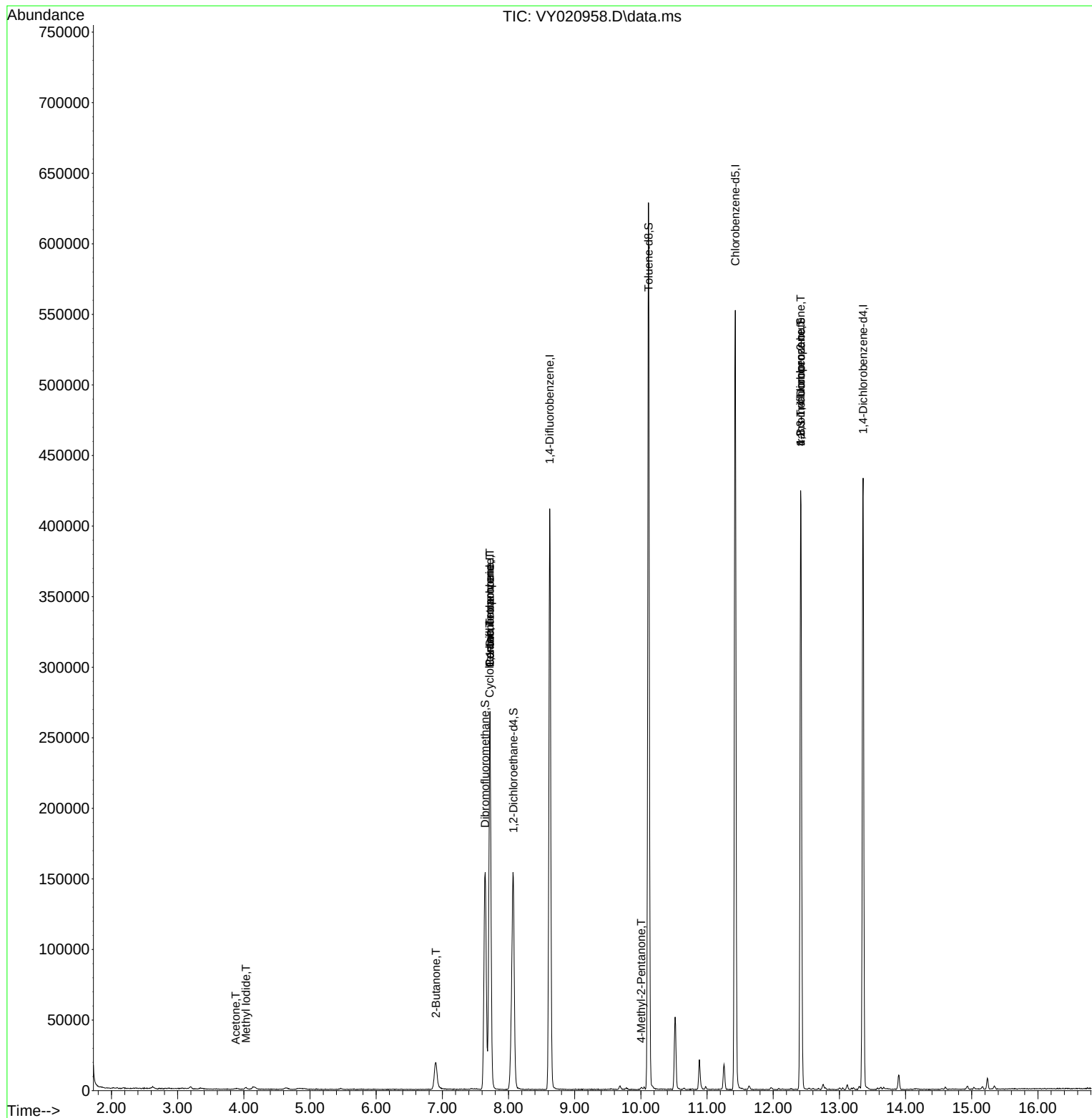
Target Compounds					Qvalue	
10) Methyl Iodide	4.031	142	2206	1.021	ug/l #	42
16) Acetone	3.879	43	522	2.291	ug/l #	78
25) 2-Butanone	6.902	43	1036	2.684	ug/l #	42
31) Cyclohexane	7.713	56	3759	1.255	ug/l #	10
36) 1,1-Dichloropropene	7.719	75	14542	5.015	ug/l #	50
38) Carbon Tetrachloride	7.719	117	20279	5.799	ug/l #	17
51) 4-Methyl-2-Pentanone	10.006	43	1276	1.186	ug/l #	86
76) 1,2,3-Trichloropropane	12.414	75	64125	75.977	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	64125	146.787	ug/l #	15

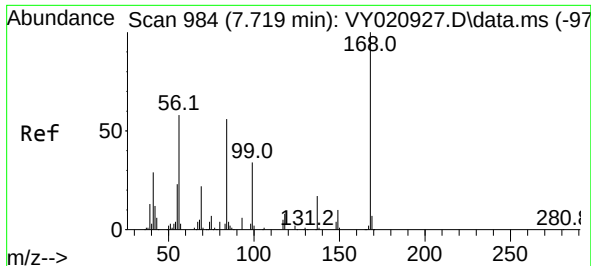
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

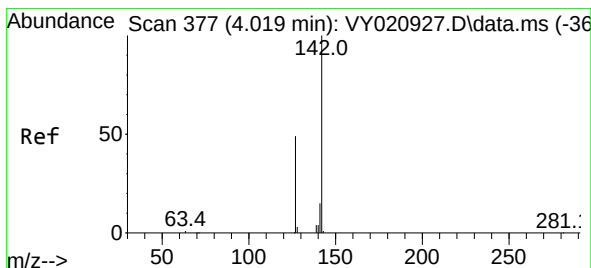
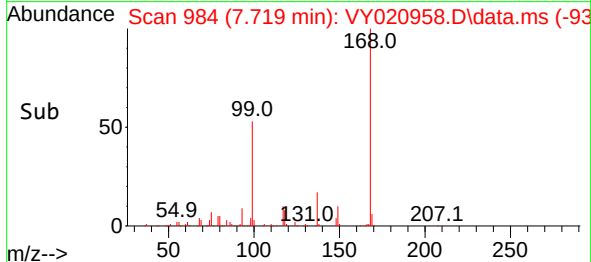
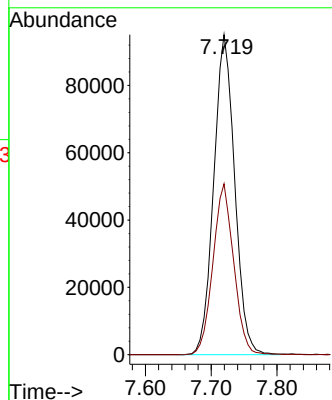
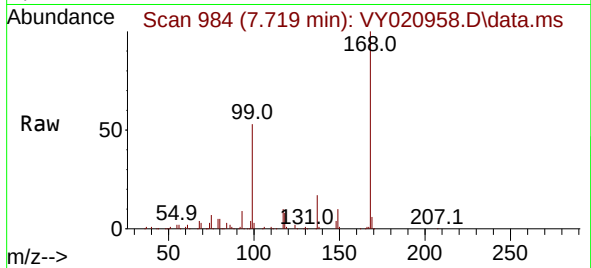




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020958.D
Acq: 29 Jan 2025 09:30

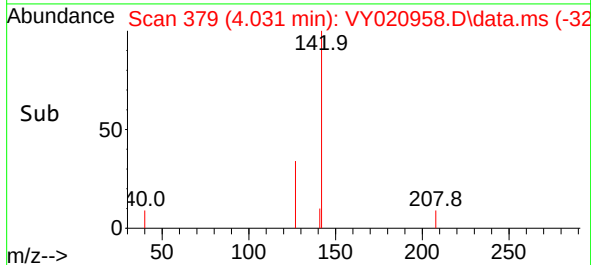
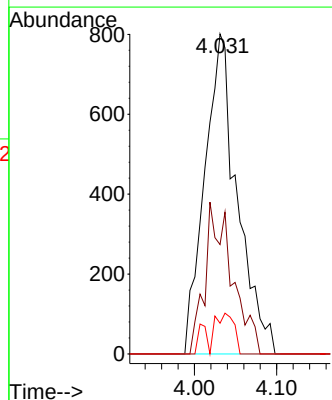
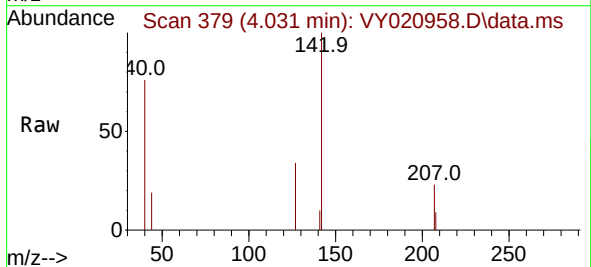
Instrument :
MSVOA_Y
ClientSampleId :

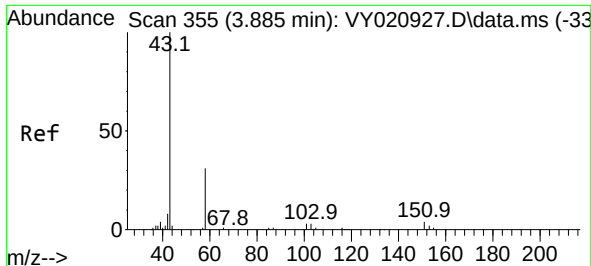
Tgt Ion:168 Resp: 210912
Ion Ratio Lower Upper
168 100
99 53.4 43.0 64.6



#10
Methyl Iodide
Concen: 1.021 ug/l
RT: 4.031 min Scan# 379
Delta R.T. 0.012 min
Lab File: VY020958.D
Acq: 29 Jan 2025 09:30

Tgt Ion:142 Resp: 2206
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 7.3 11.4 17.2#





#16

Acetone

Concen: 2.291 ug/l

RT: 3.879 min Scan# 31

Delta R.T. -0.006 min

Lab File: VY020958.D

Acq: 29 Jan 2025 09:30

Instrument :

MSVOA_Y

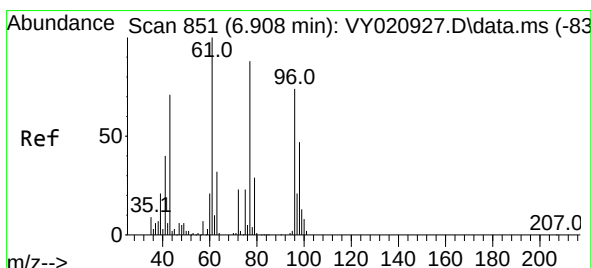
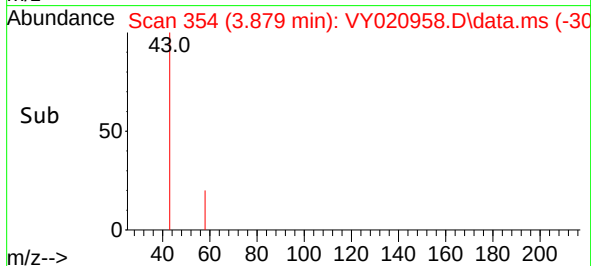
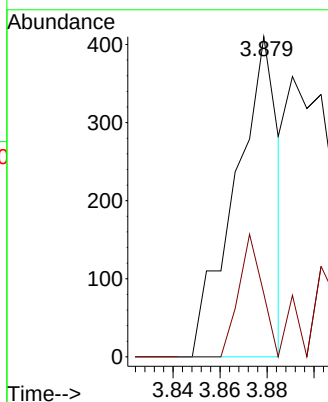
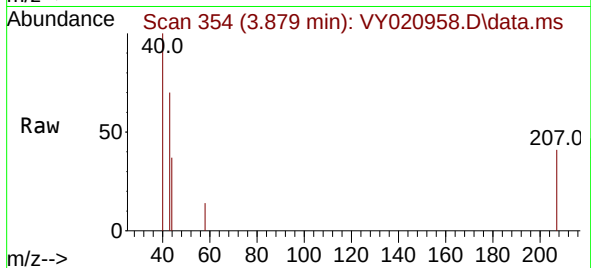
ClientSampleId :

Tgt Ion: 43 Resp: 522

Ion Ratio Lower Upper

43 100

58 19.8 25.6 38.4#



#25

2-Butanone

Concen: 2.684 ug/l

RT: 6.902 min Scan# 850

Delta R.T. -0.006 min

Lab File: VY020958.D

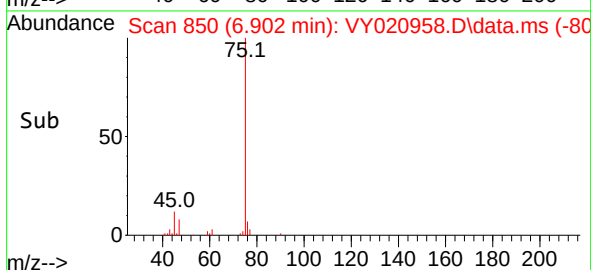
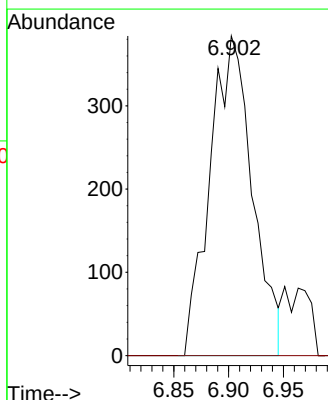
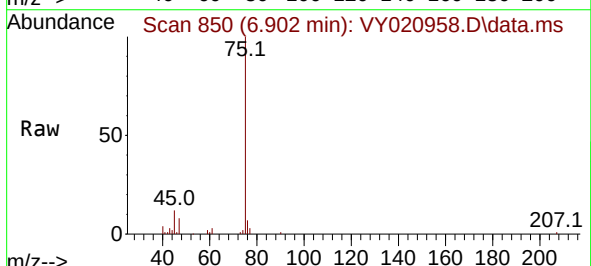
Acq: 29 Jan 2025 09:30

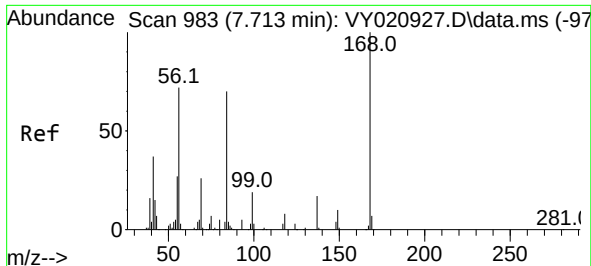
Tgt Ion: 43 Resp: 1036

Ion Ratio Lower Upper

43 100

72 0.0 25.8 38.8#

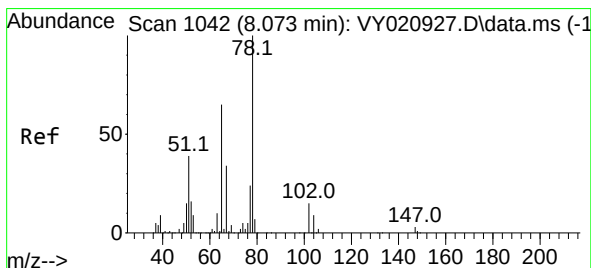
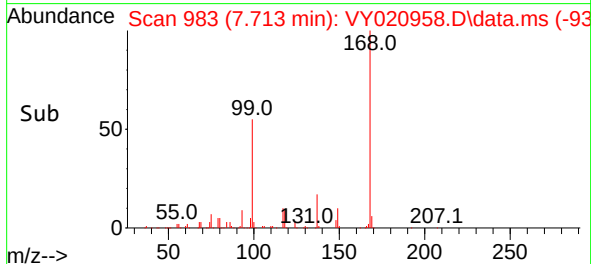
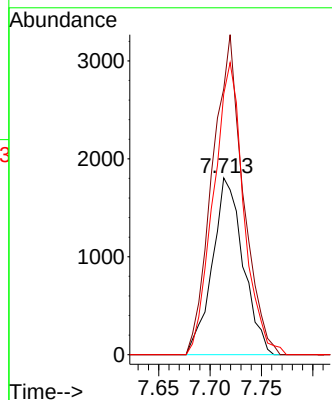
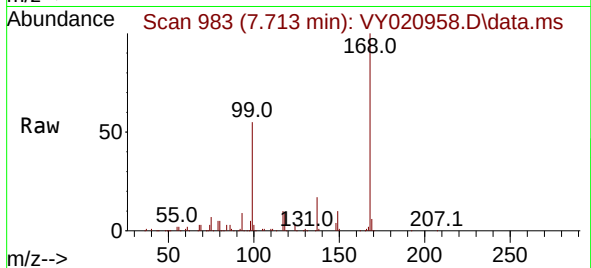




#31
Cyclohexane
Concen: 1.255 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY020958.D
Acq: 29 Jan 2025 09:30

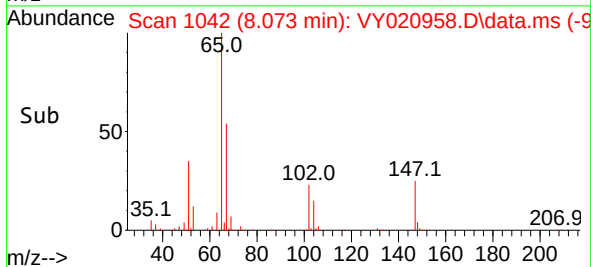
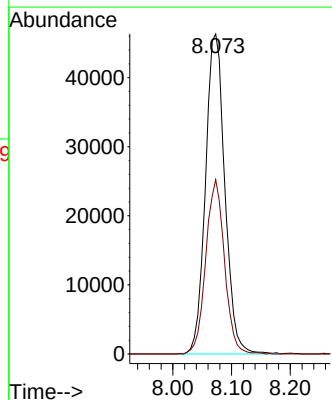
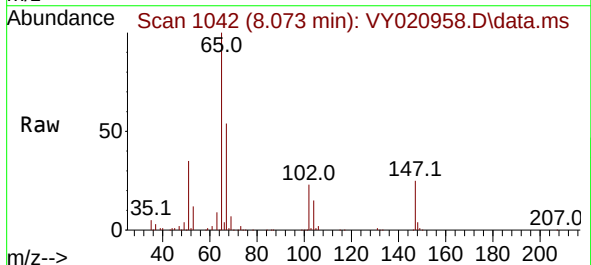
Instrument :
MSVOA_Y
ClientSampleId :

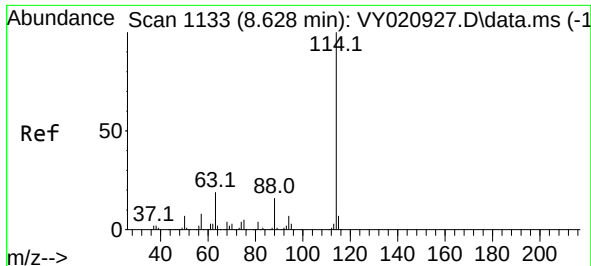
Tgt Ion: 56 Resp: 3759
Ion Ratio Lower Upper
56 100
69 150.2 28.7 43.1#
84 147.4 77.4 116.0#



#33
1,2-Dichloroethane-d4
Concen: 62.994 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VY020958.D
Acq: 29 Jan 2025 09:30

Tgt Ion: 65 Resp: 105932
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1133

Delta R.T. -0.006 min

Lab File: VY020958.D

Acq: 29 Jan 2025 09:30

Instrument :

MSVOA_Y

ClientSampleId :

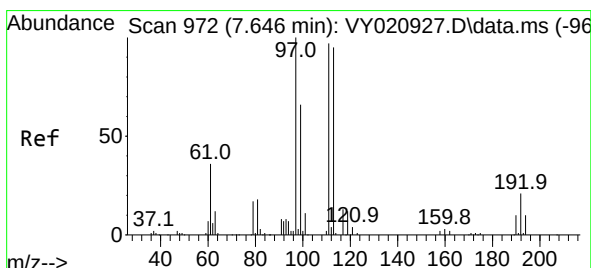
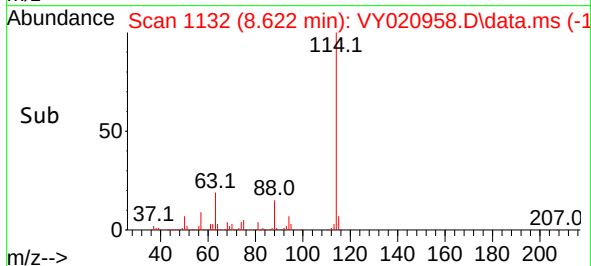
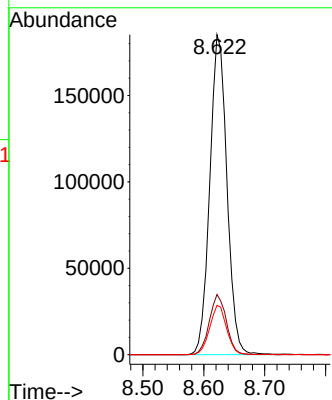
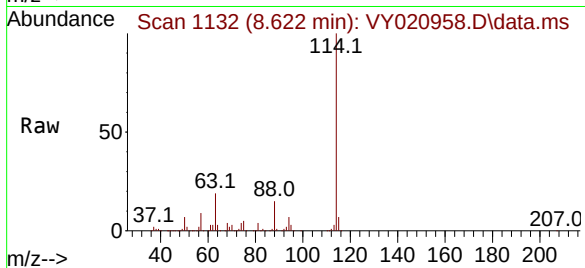
Tgt Ion:114 Resp: 361800

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.4

88 15.4 0.0 31.6



#35

Dibromofluoromethane

Concen: 55.249 ug/l

RT: 7.646 min Scan# 972

Delta R.T. 0.000 min

Lab File: VY020958.D

Acq: 29 Jan 2025 09:30

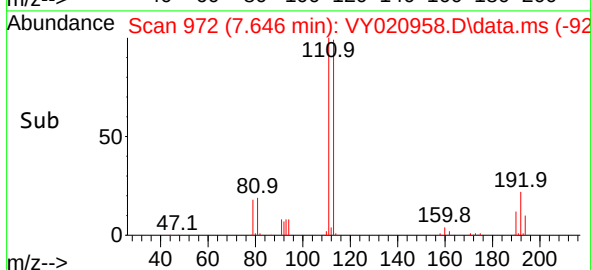
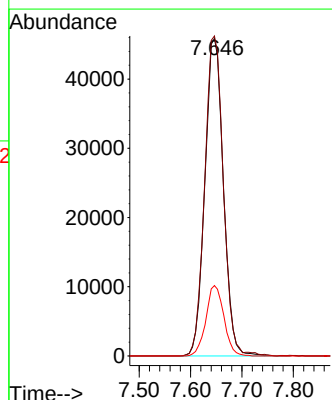
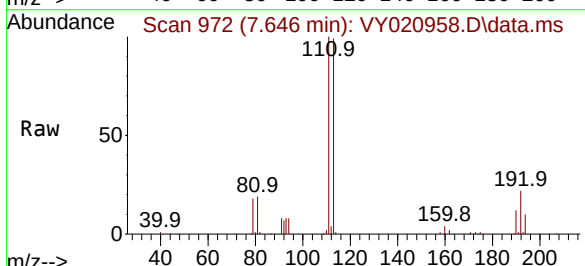
Tgt Ion:113 Resp: 114754

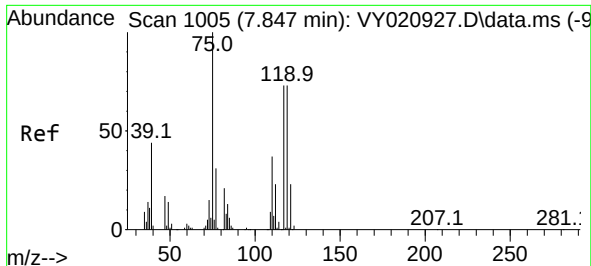
Ion Ratio Lower Upper

113 100

111 100.9 82.3 123.5

192 21.6 17.4 26.2





#36

1,1-Dichloropropene

Concen: 5.015 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.128 min

Lab File: VY020958.D

Acq: 29 Jan 2025 09:30

Instrument :

MSVOA_Y

ClientSampleId :

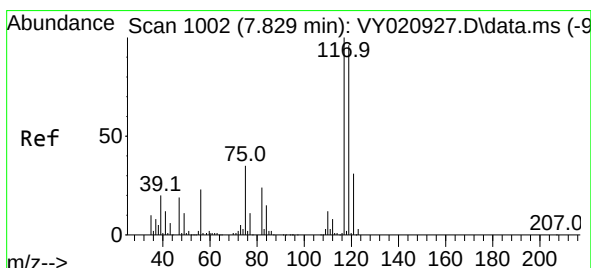
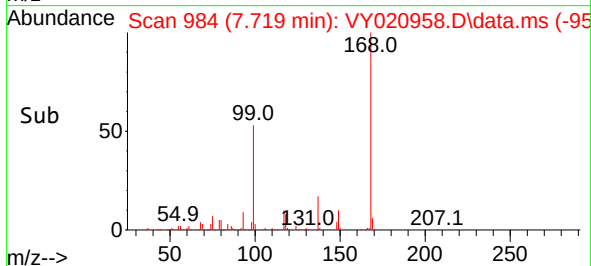
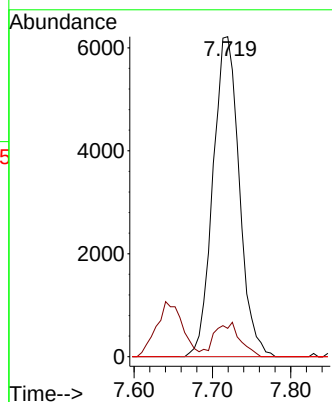
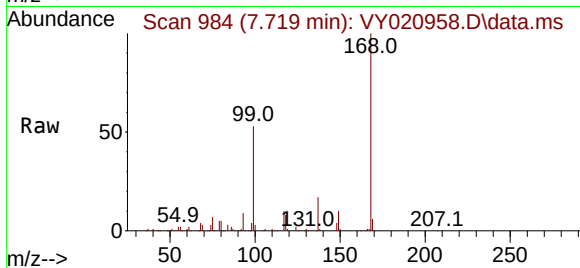
Tgt Ion: 75 Resp: 14542

Ion Ratio Lower Upper

75 100

110 10.5 18.5 55.5#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.799 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.110 min

Lab File: VY020958.D

Acq: 29 Jan 2025 09:30

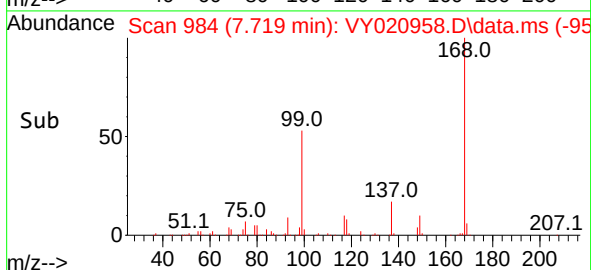
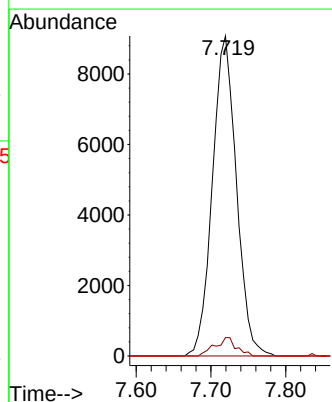
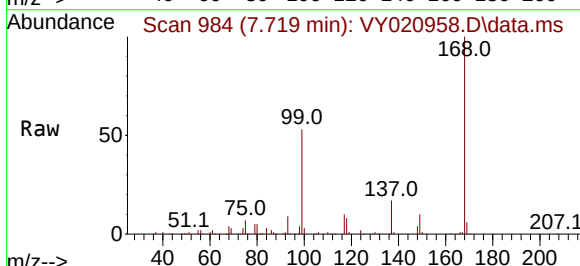
Tgt Ion: 117 Resp: 20279

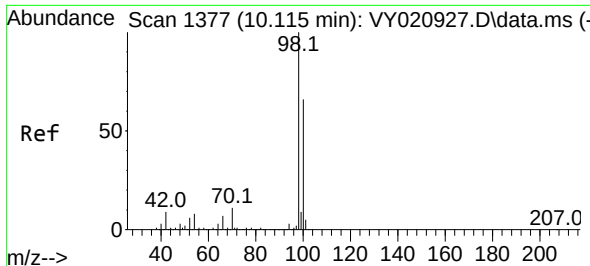
Ion Ratio Lower Upper

117 100

119 5.8 76.5 114.7#

121 0.0 25.0 37.4#

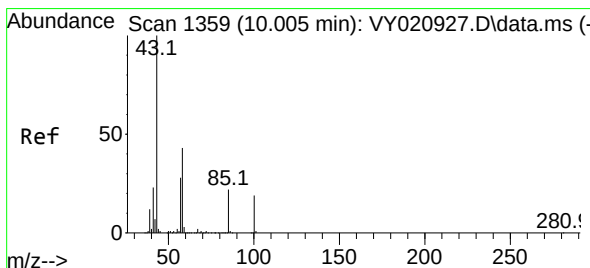
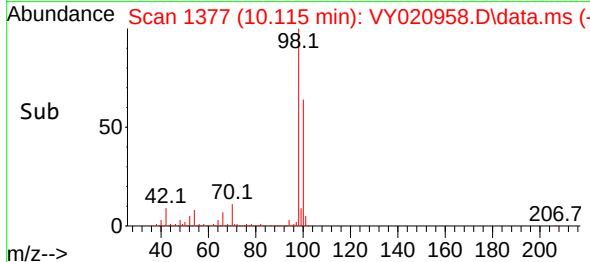
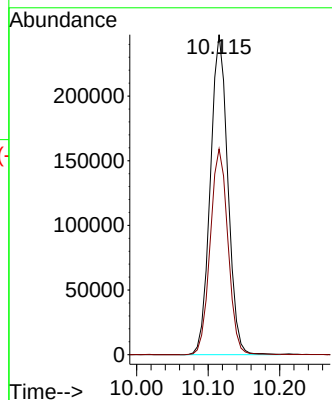
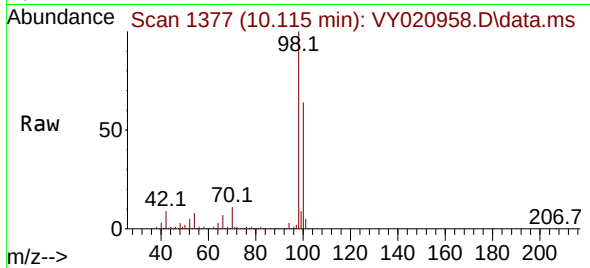




#50
Toluene-d8
Concen: 52.200 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VY020958.D
Acq: 29 Jan 2025 09:30

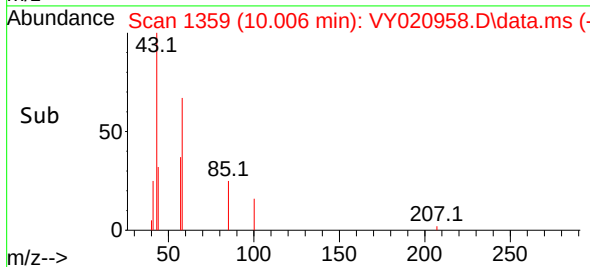
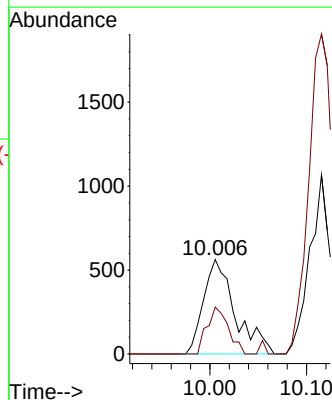
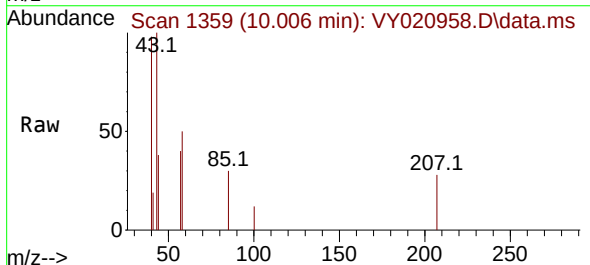
Instrument :
MSVOA_Y
ClientSampleId :

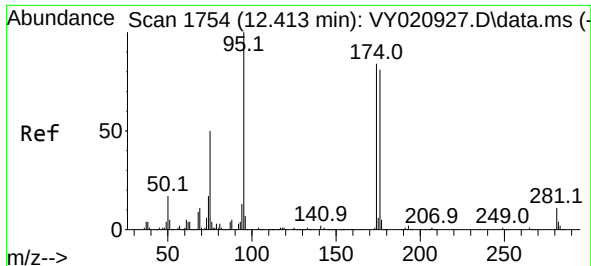
Tgt Ion: 98 Resp: 420548
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.186 ug/l
RT: 10.006 min Scan# 1359
Delta R.T. 0.000 min
Lab File: VY020958.D
Acq: 29 Jan 2025 09:30

Tgt Ion: 43 Resp: 1276
Ion Ratio Lower Upper
43 100
58 33.5 33.7 50.5#

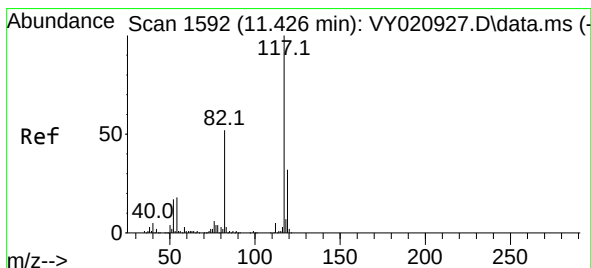
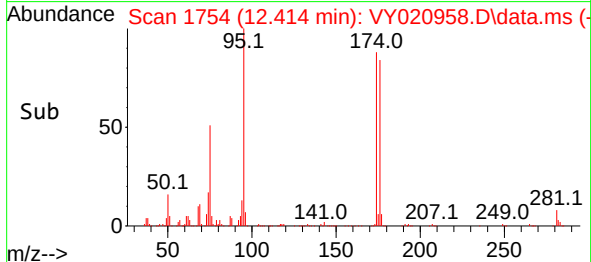
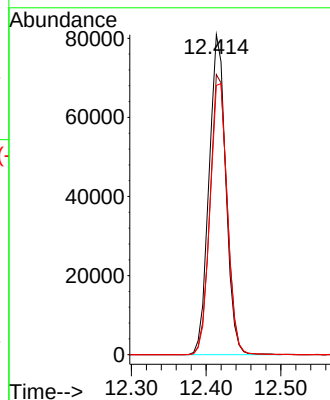
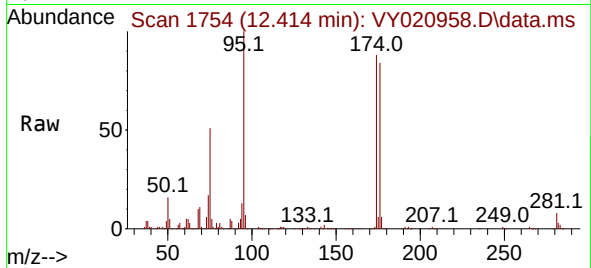




#62
4-Bromofluorobenzene
Concen: 47.175 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.000 min
Lab File: VY020958.D
Acq: 29 Jan 2025 09:30

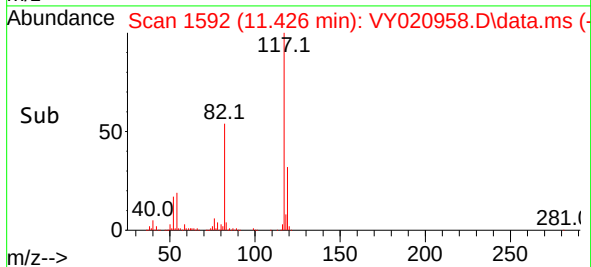
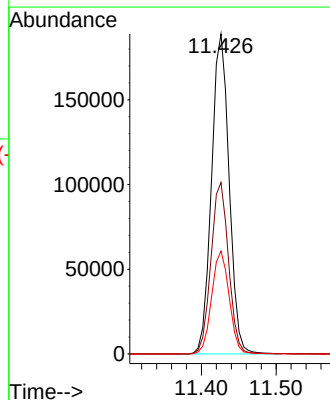
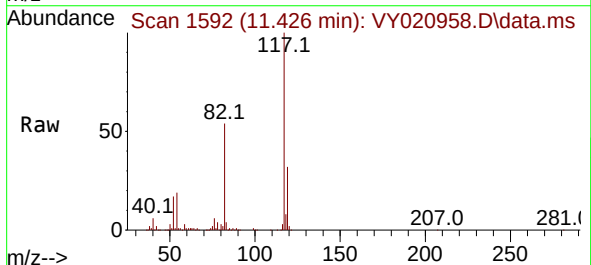
Instrument :
MSVOA_Y
ClientSampleId :

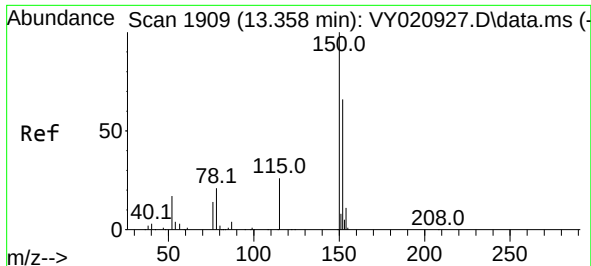
Tgt Ion: 95 Resp: 126487
Ion Ratio Lower Upper
95 100
174 88.9 0.0 177.4
176 87.1 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. 0.000 min
Lab File: VY020958.D
Acq: 29 Jan 2025 09:30

Tgt Ion: 117 Resp: 309527
Ion Ratio Lower Upper
117 100
82 53.6 41.8 62.8
119 32.2 26.0 39.0

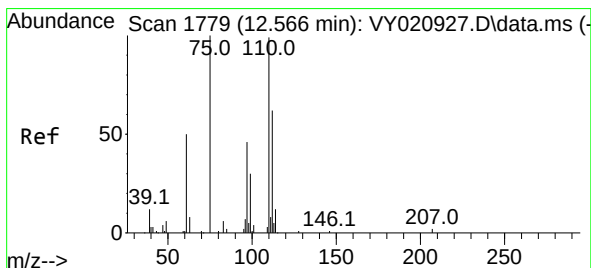
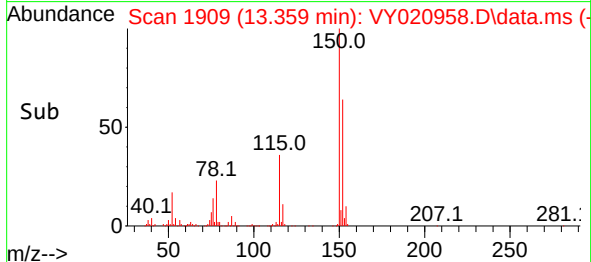
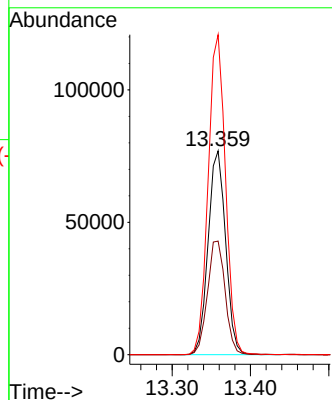
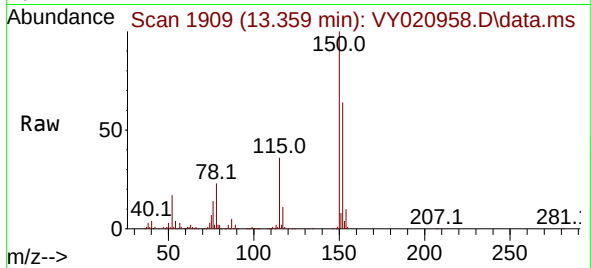




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.359 min Scan# 1909
 Delta R.T. 0.000 min
 Lab File: VY020958.D
 Acq: 29 Jan 2025 09:30

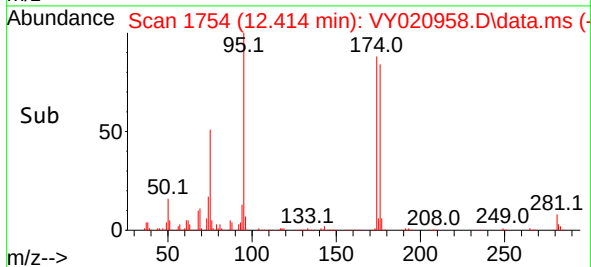
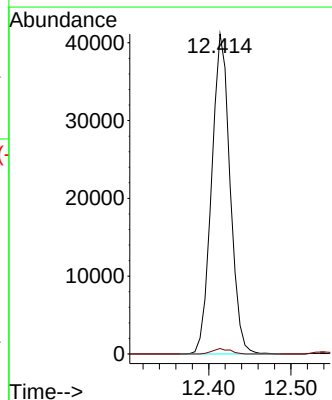
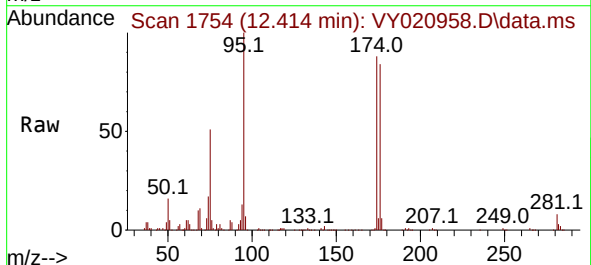
Instrument :
 MSVOA_Y
 ClientSampleId :

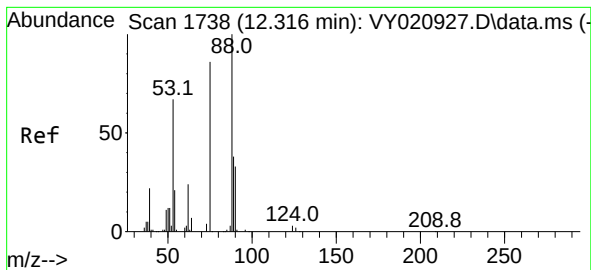
Tgt Ion:152 Resp: 119372
 Ion Ratio Lower Upper
 152 100
 115 56.4 29.0 87.0
 150 155.4 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 75.977 ug/l
 RT: 12.414 min Scan# 1754
 Delta R.T. -0.152 min
 Lab File: VY020958.D
 Acq: 29 Jan 2025 09:30

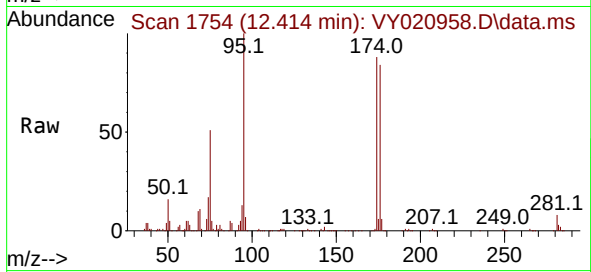
Tgt Ion: 75 Resp: 64125
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 146.787 ug/l
 RT: 12.414 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY020958.D
 Acq: 29 Jan 2025 09:30

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 64125
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.7 101.5#
 89 0.2 38.4 57.6#

