

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
 Data File : VY021028.D
 Acq On : 03 Feb 2025 14:13
 Operator : SY/MD
 Sample : VY0203SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 04 00:54:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	159750	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	285727	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	240190	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	89793	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	82847	50.616	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.240%
35) Dibromofluoromethane	7.640	113	90450	49.396	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.800%
50) Toluene-d8	10.109	98	333541	47.845	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.700%
62) 4-Bromofluorobenzene	12.414	95	98882	43.417	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.840%

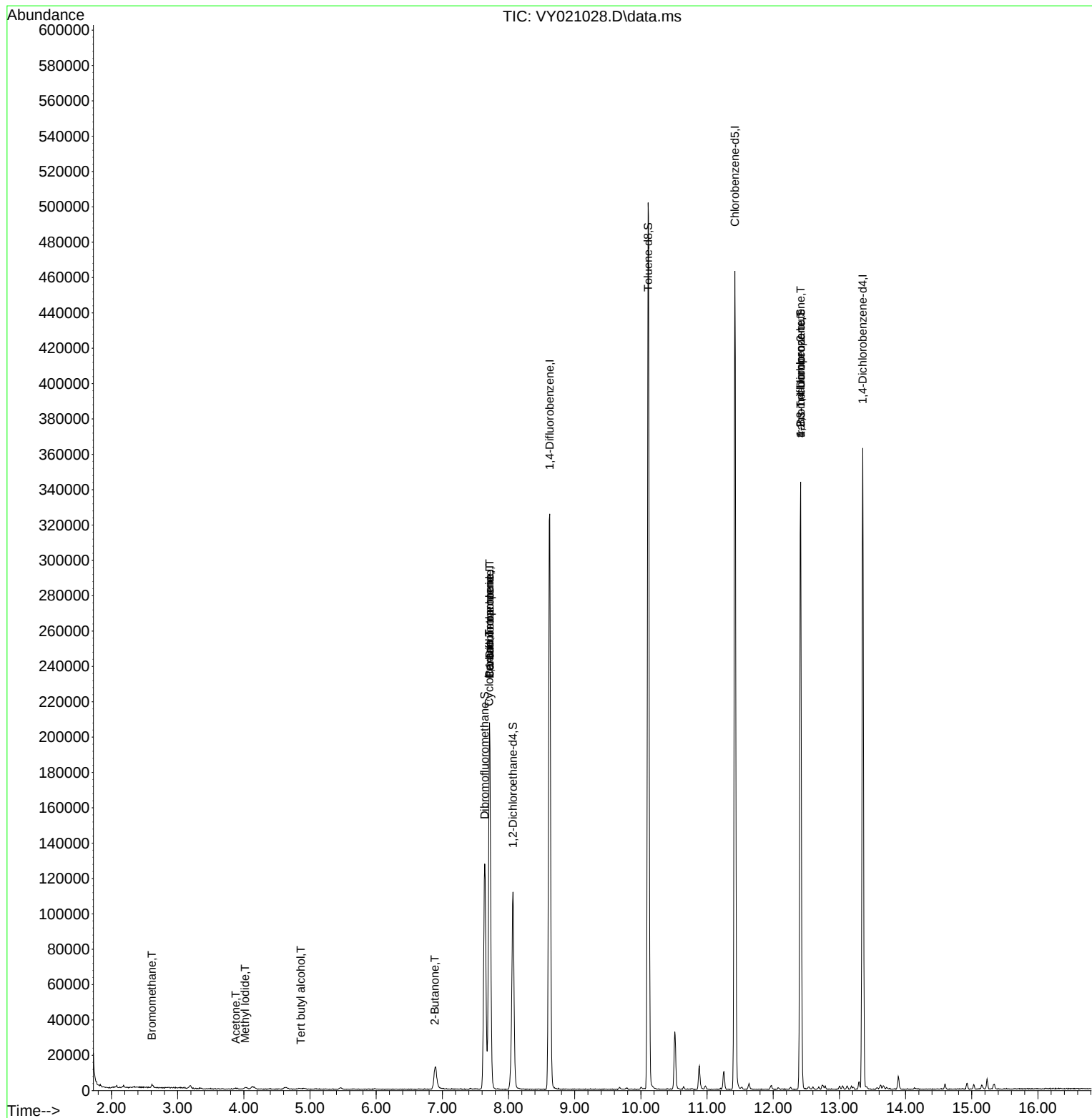
Target Compounds					Qvalue	
5) Bromomethane	2.611	94	890	1.018	ug/l #	70
10) Methyl Iodide	4.019	142	1869	1.040	ug/l #	93
11) Tert butyl alcohol	4.860	59	854	7.700	ug/l #	75
16) Acetone	3.879	43	1045	4.094	ug/l	91
25) 2-Butanone	6.884	43	448	1.068	ug/l #	48
31) Cyclohexane	7.707	56	3426	1.227	ug/l #	8
36) 1,1-Dichloropropene	7.713	75	12565	4.633	ug/l #	50
38) Carbon Tetrachloride	7.713	117	16116	5.085	ug/l #	16
76) 1,2,3-Trichloropropane	12.414	75	52305	64.215	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	52305	131.029	ug/l #	12

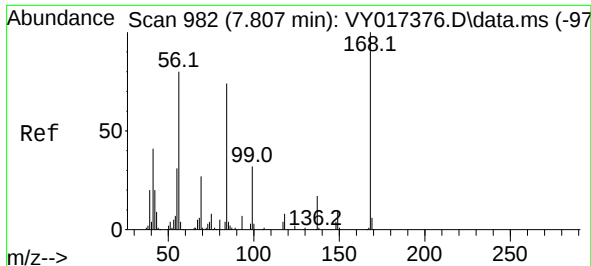
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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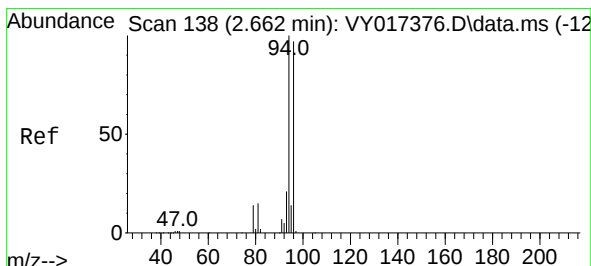
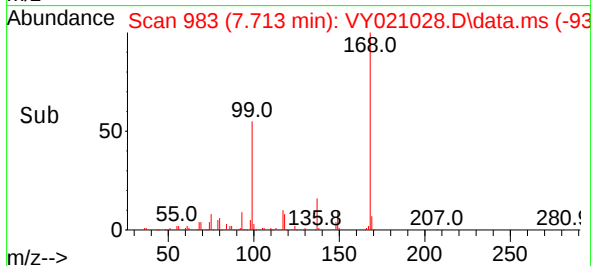
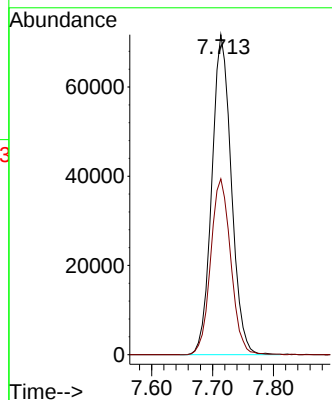
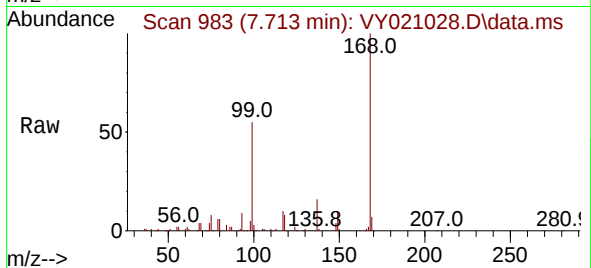




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY021028.D
Acq: 03 Feb 2025 14:13

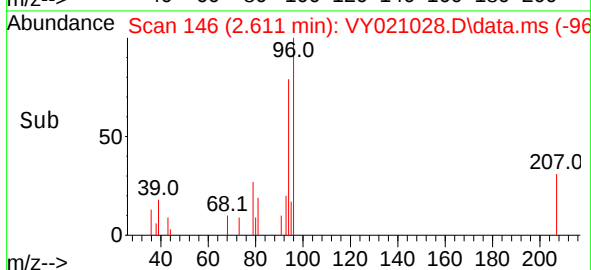
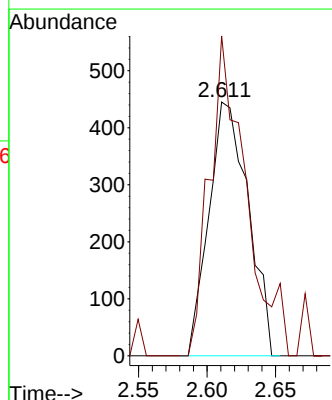
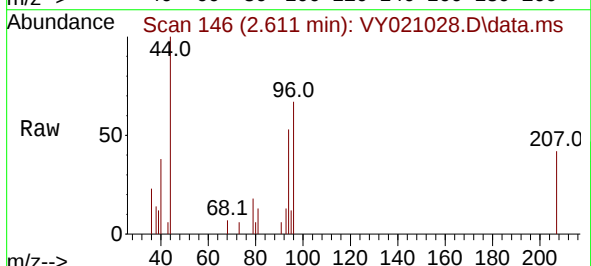
Instrument :
MSVOA_Y
ClientSampleId :

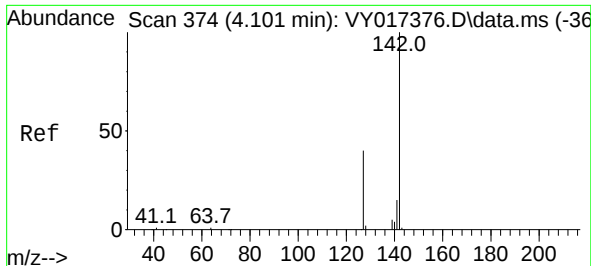
Tgt Ion:168 Resp: 159750
Ion Ratio Lower Upper
168 100
99 55.0 44.2 66.4



#5
Bromomethane
Concen: 1.018 ug/l
RT: 2.611 min Scan# 146
Delta R.T. 0.006 min
Lab File: VY021028.D
Acq: 03 Feb 2025 14:13

Tgt Ion: 94 Resp: 890
Ion Ratio Lower Upper
94 100
96 126.1 77.3 115.9#





#10

Methyl Iodide

Concen: 1.040 ug/l

RT: 4.019 min Scan# 31

Delta R.T. 0.006 min

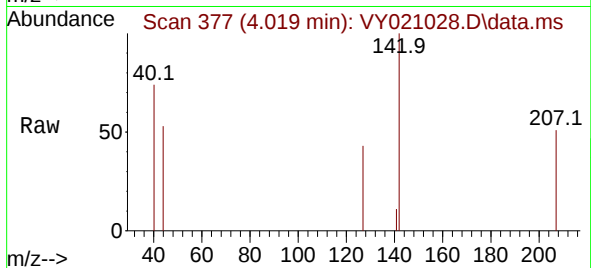
Lab File: VY021028.D

Acq: 03 Feb 2025 14:13

Instrument :

MSVOA_Y

ClientSampleId :



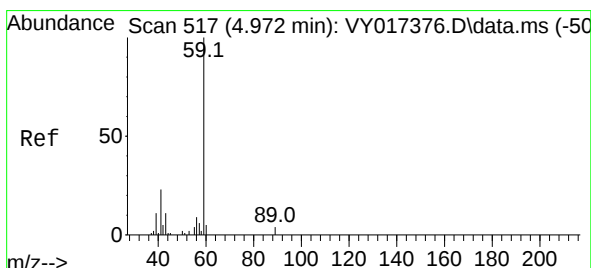
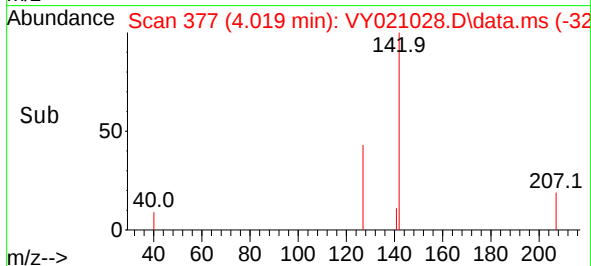
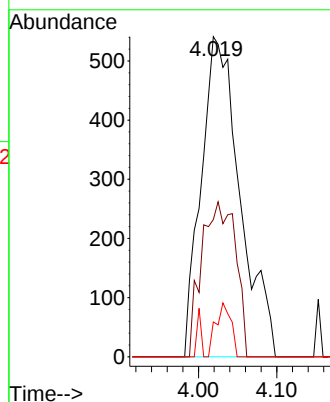
Tgt Ion:142 Resp: 1869

Ion Ratio Lower Upper

142 100

127 42.2 35.1 52.7

141 6.6 11.8 17.6#



#11

Tert butyl alcohol

Concen: 7.700 ug/l

RT: 4.860 min Scan# 515

Delta R.T. -0.012 min

Lab File: VY021028.D

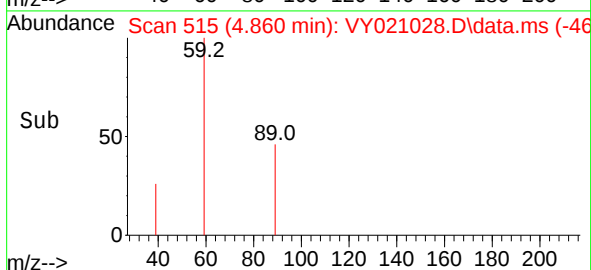
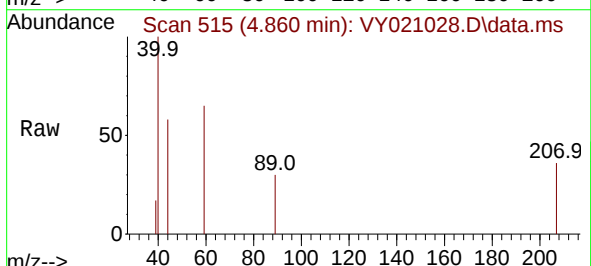
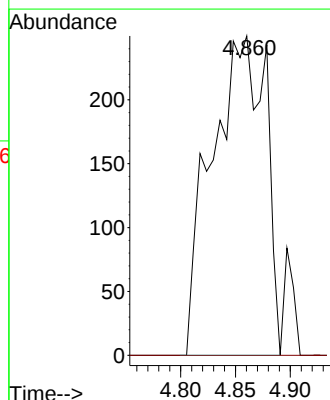
Acq: 03 Feb 2025 14:13

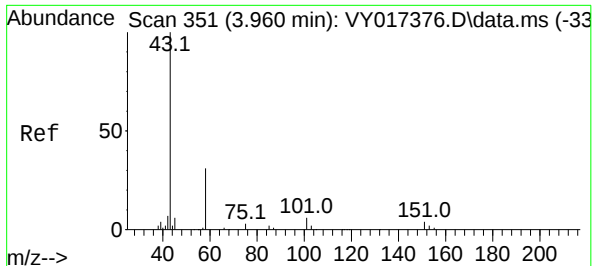
Tgt Ion: 59 Resp: 854

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.0#





#16

Acetone

Concen: 4.094 ug/l

RT: 3.879 min Scan# 3

Delta R.T. -0.000 min

Lab File: VY021028.D

Acq: 03 Feb 2025 14:13

Instrument :

MSVOA_Y

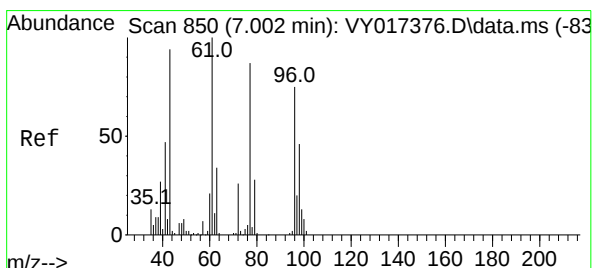
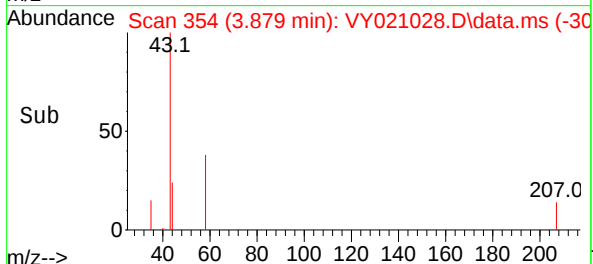
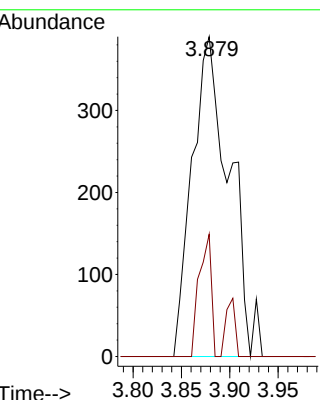
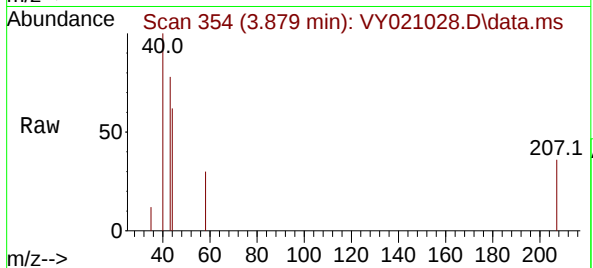
ClientSampleId :

Tgt Ion: 43 Resp: 1045

Ion Ratio Lower Upper

43 100

58 38.2 26.6 39.8



#25

2-Butanone

Concen: 1.068 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.018 min

Lab File: VY021028.D

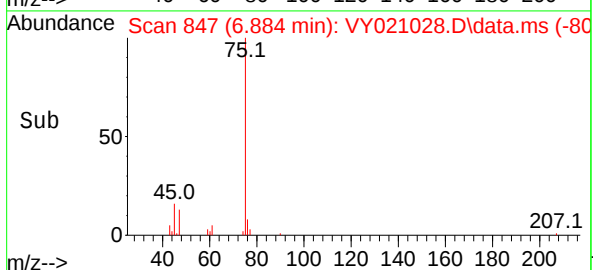
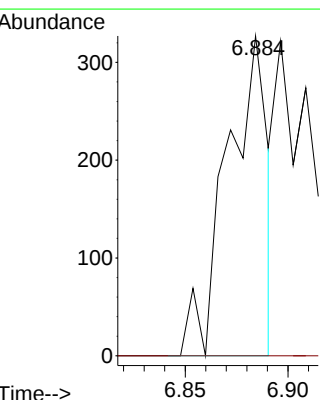
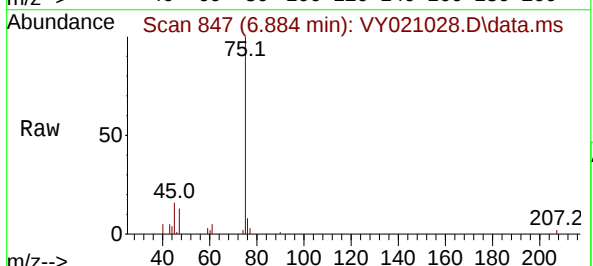
Acq: 03 Feb 2025 14:13

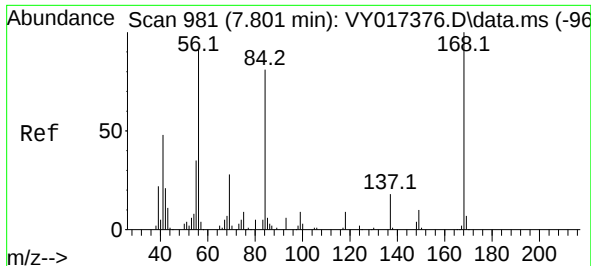
Tgt Ion: 43 Resp: 448

Ion Ratio Lower Upper

43 100

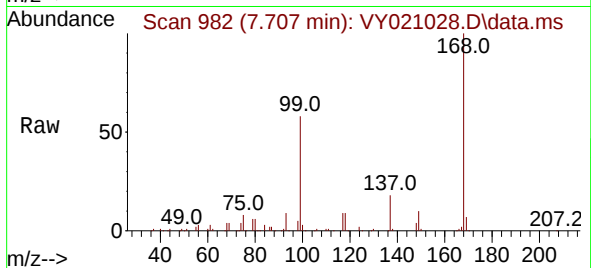
72 0.0 21.4 32.2#



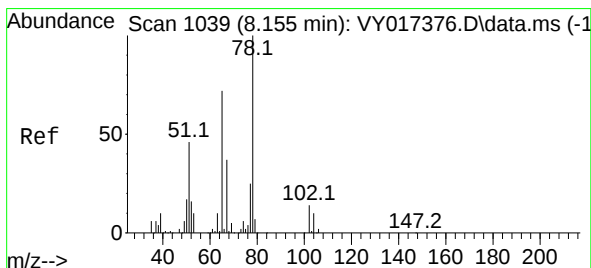
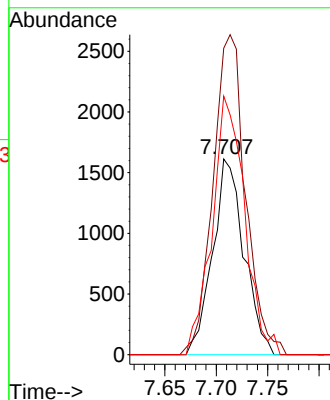
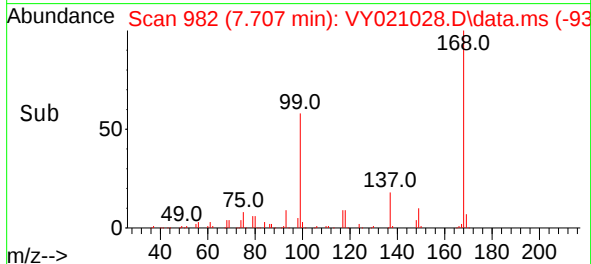


#31
Cyclohexane
Concen: 1.227 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021028.D
Acq: 03 Feb 2025 14:13

Instrument :
MSVOA_Y
ClientSampleId :

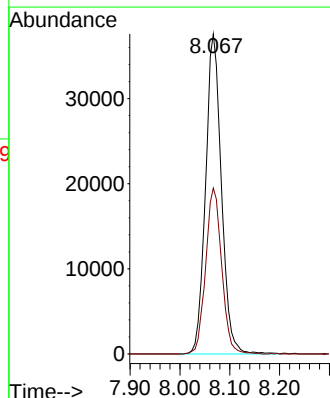
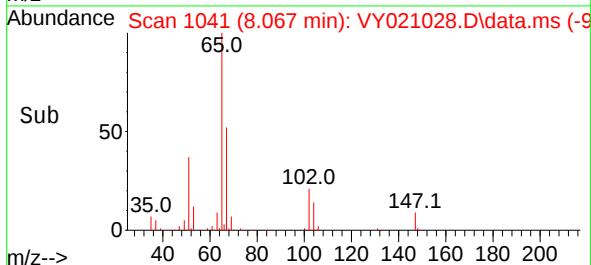
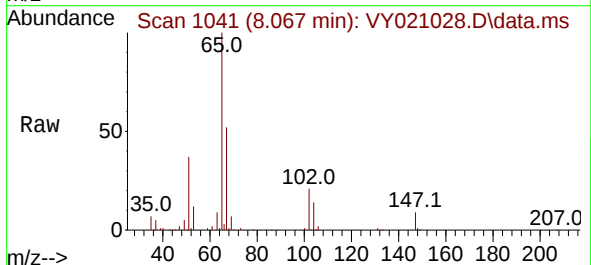


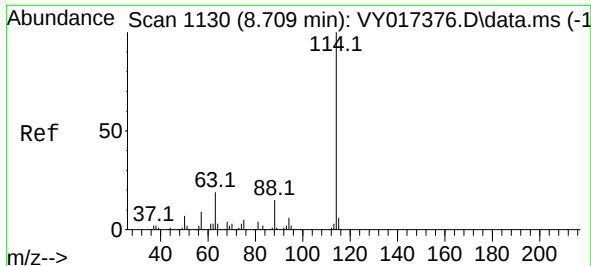
Tgt Ion: 56 Resp: 3426
Ion Ratio Lower Upper
56 100
69 156.6 27.0 40.6#
84 132.2 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 50.616 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY021028.D
Acq: 03 Feb 2025 14:13

Tgt Ion: 65 Resp: 82847
Ion Ratio Lower Upper
65 100
67 52.4 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021028.D

Acq: 03 Feb 2025 14:13

Instrument :

MSVOA_Y

ClientSampleId :

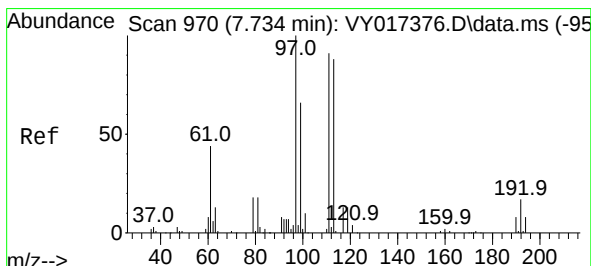
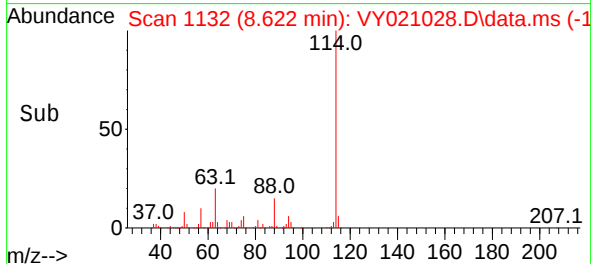
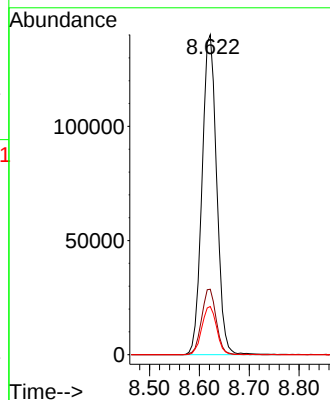
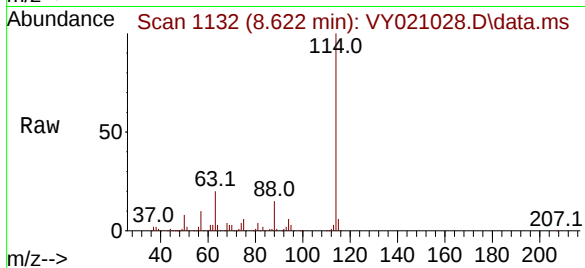
Tgt Ion:114 Resp: 285727

Ion Ratio Lower Upper

114 100

63 20.4 0.0 37.4

88 15.1 0.0 29.0



#35

Dibromofluoromethane

Concen: 49.396 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY021028.D

Acq: 03 Feb 2025 14:13

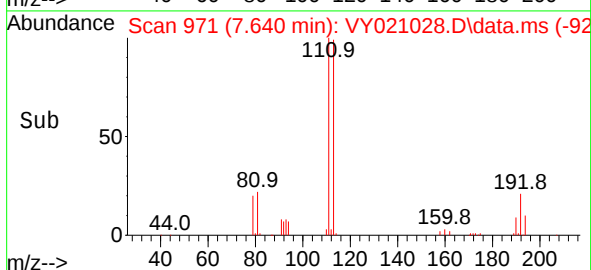
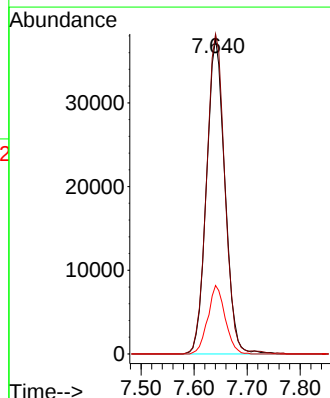
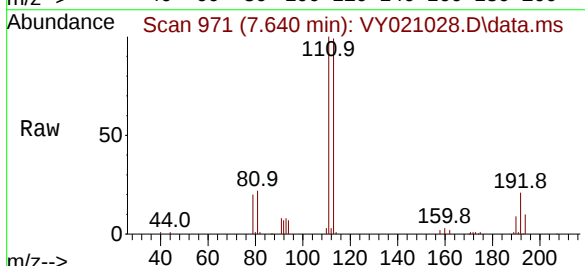
Tgt Ion:113 Resp: 90450

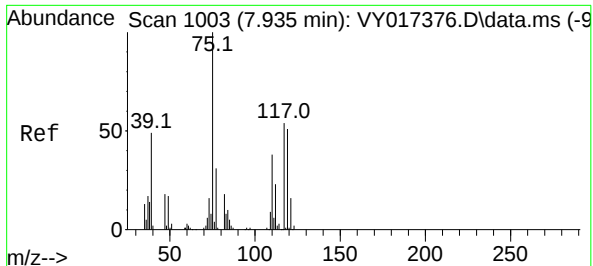
Ion Ratio Lower Upper

113 100

111 101.7 83.8 125.6

192 20.5 14.5 21.7





#36

1,1-Dichloropropene

Concen: 4.633 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

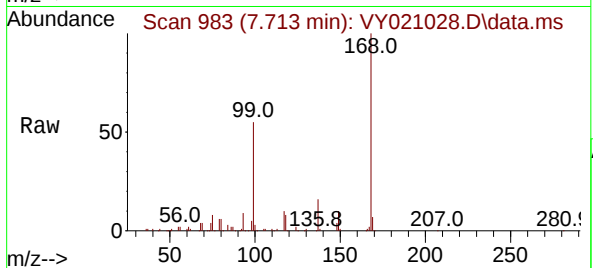
Lab File: VY021028.D

Acq: 03 Feb 2025 14:13

Instrument :

MSVOA_Y

ClientSampleId :



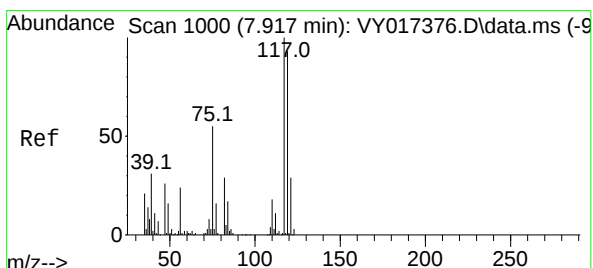
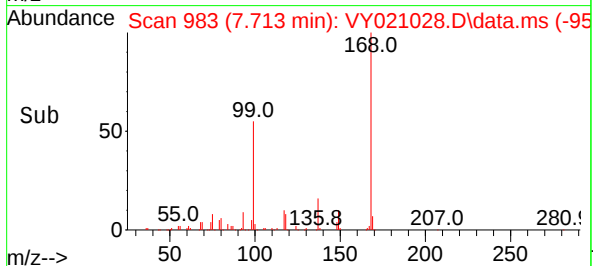
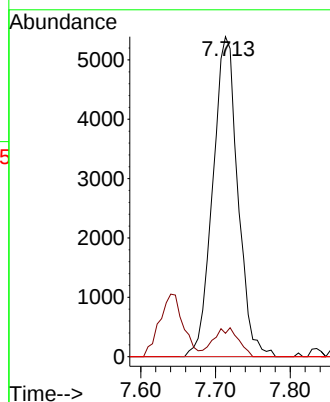
Tgt Ion: 75 Resp: 12565

Ion Ratio Lower Upper

75 100

110 9.1 17.4 52.3#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.085 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.110 min

Lab File: VY021028.D

Acq: 03 Feb 2025 14:13

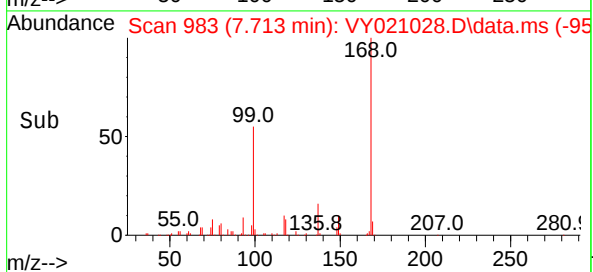
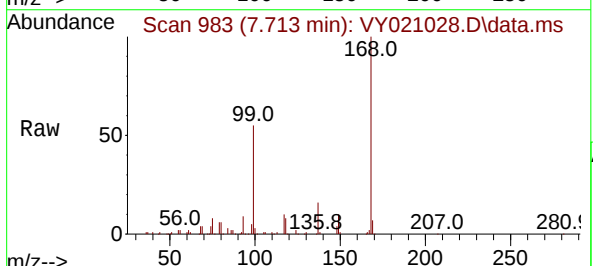
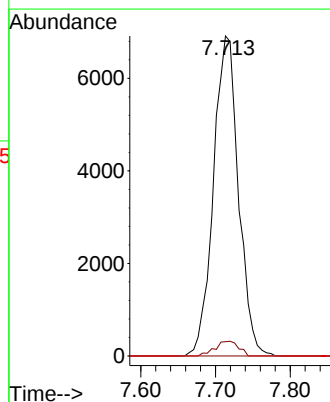
Tgt Ion: 117 Resp: 16116

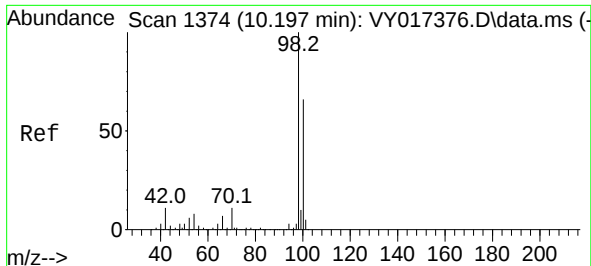
Ion Ratio Lower Upper

117 100

119 4.5 76.0 114.0#

121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 47.845 ug/l

RT: 10.109 min Scan# 14

Delta R.T. -0.000 min

Lab File: VY021028.D

Acq: 03 Feb 2025 14:13

Instrument :

MSVOA_Y

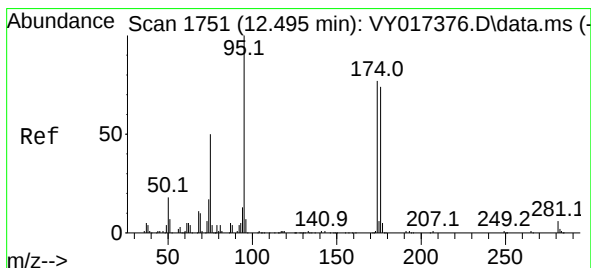
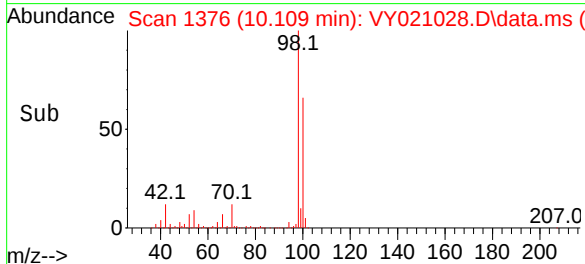
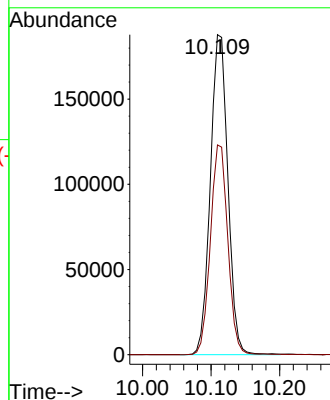
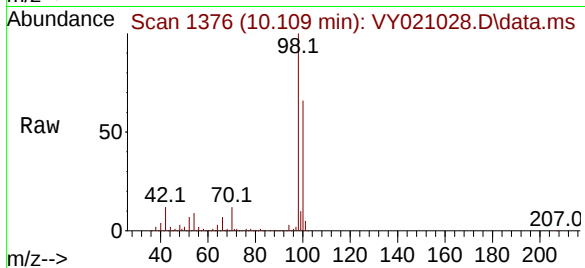
ClientSampleId :

Tgt Ion: 98 Resp: 333541

Ion Ratio Lower Upper

98 100

100 65.3 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 43.417 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. -0.000 min

Lab File: VY021028.D

Acq: 03 Feb 2025 14:13

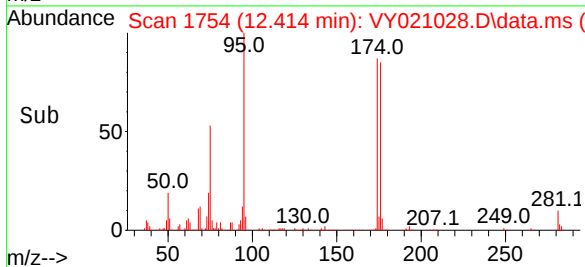
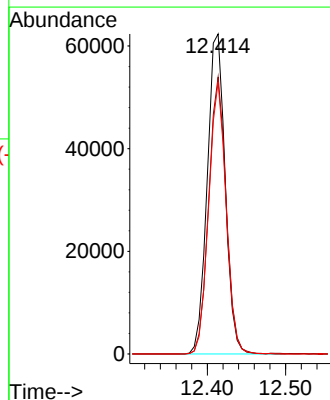
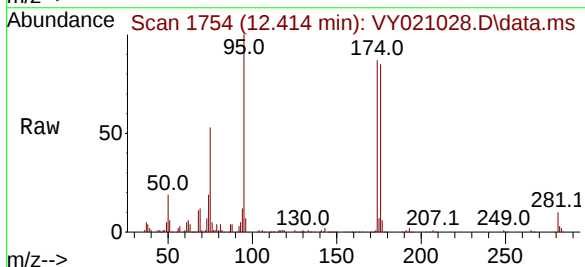
Tgt Ion: 95 Resp: 98882

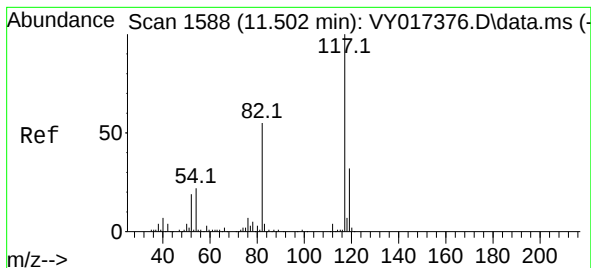
Ion Ratio Lower Upper

95 100

174 84.4 0.0 160.0

176 82.1 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021028.D

Acq: 03 Feb 2025 14:13

Instrument :

MSVOA_Y

ClientSampleId :

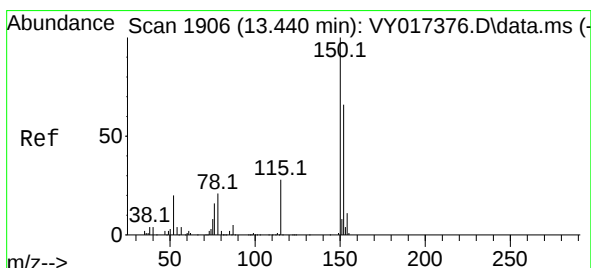
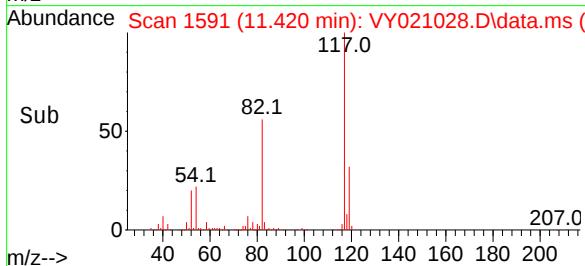
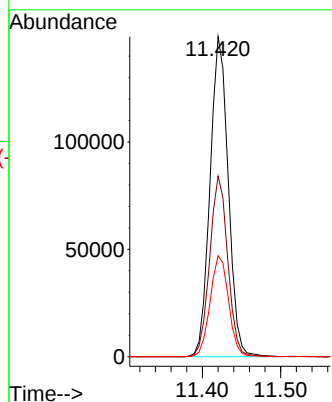
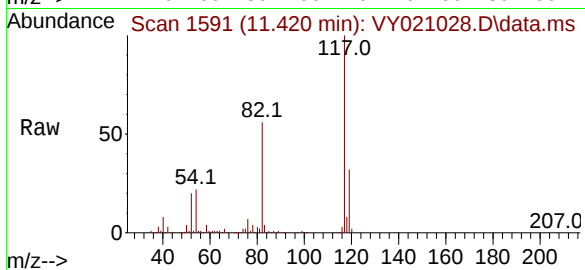
Tgt Ion:117 Resp: 240190

Ion Ratio Lower Upper

117 100

82 56.4 43.8 65.8

119 31.5 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY021028.D

Acq: 03 Feb 2025 14:13

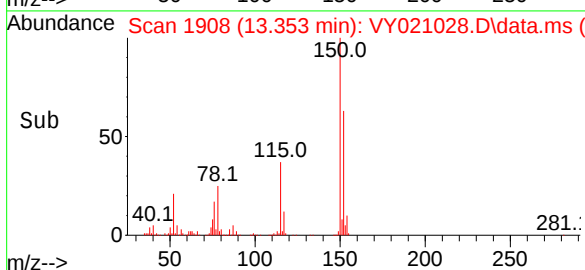
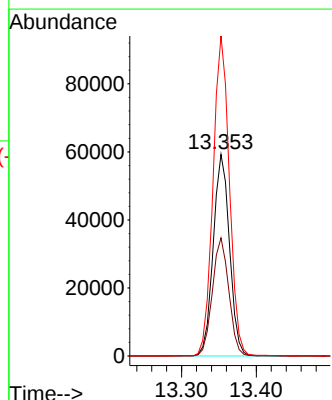
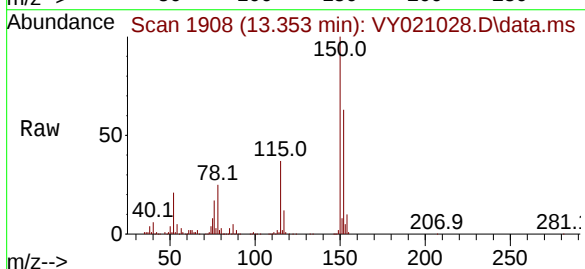
Tgt Ion:152 Resp: 89793

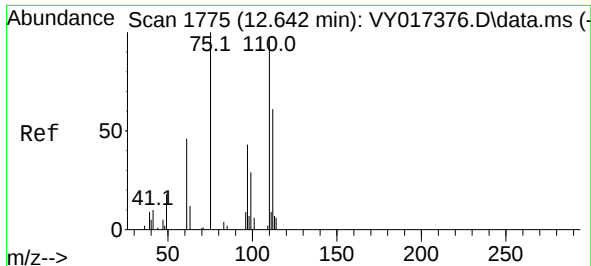
Ion Ratio Lower Upper

152 100

115 59.2 30.0 90.0

150 159.7 0.0 344.6

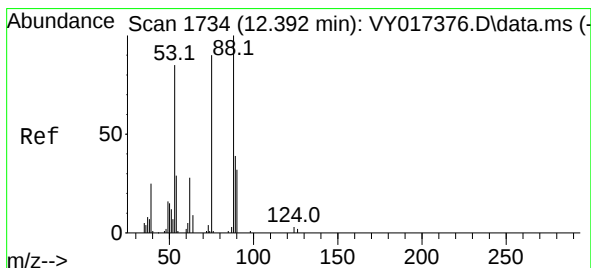
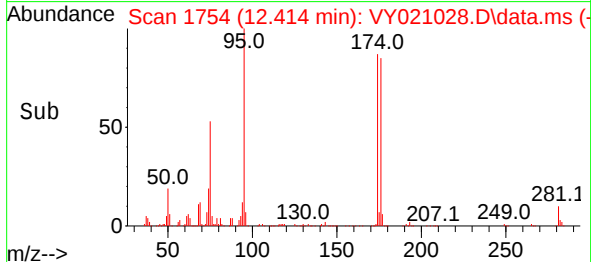
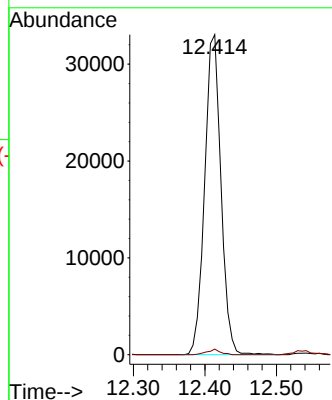
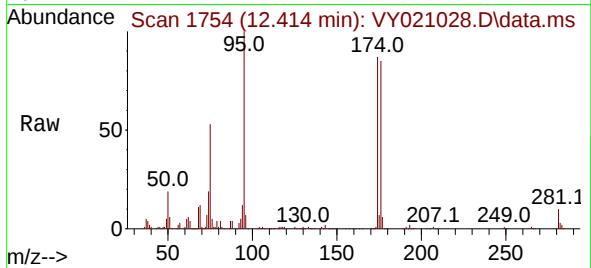




#76
1,2,3-Trichloropropane
Concen: 64.215 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.146 min
Lab File: VY021028.D
Acq: 03 Feb 2025 14:13

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 52305
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.029 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.104 min
Lab File: VY021028.D
Acq: 03 Feb 2025 14:13

Tgt Ion: 75 Resp: 52305
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.2 36.5 54.7#

