

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022025\
 Data File : VY021254.D
 Acq On : 20 Feb 2025 17:05
 Operator : SY/MD
 Sample : Q1383-07
 Misc : 5.45g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 21 02:43:36 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)

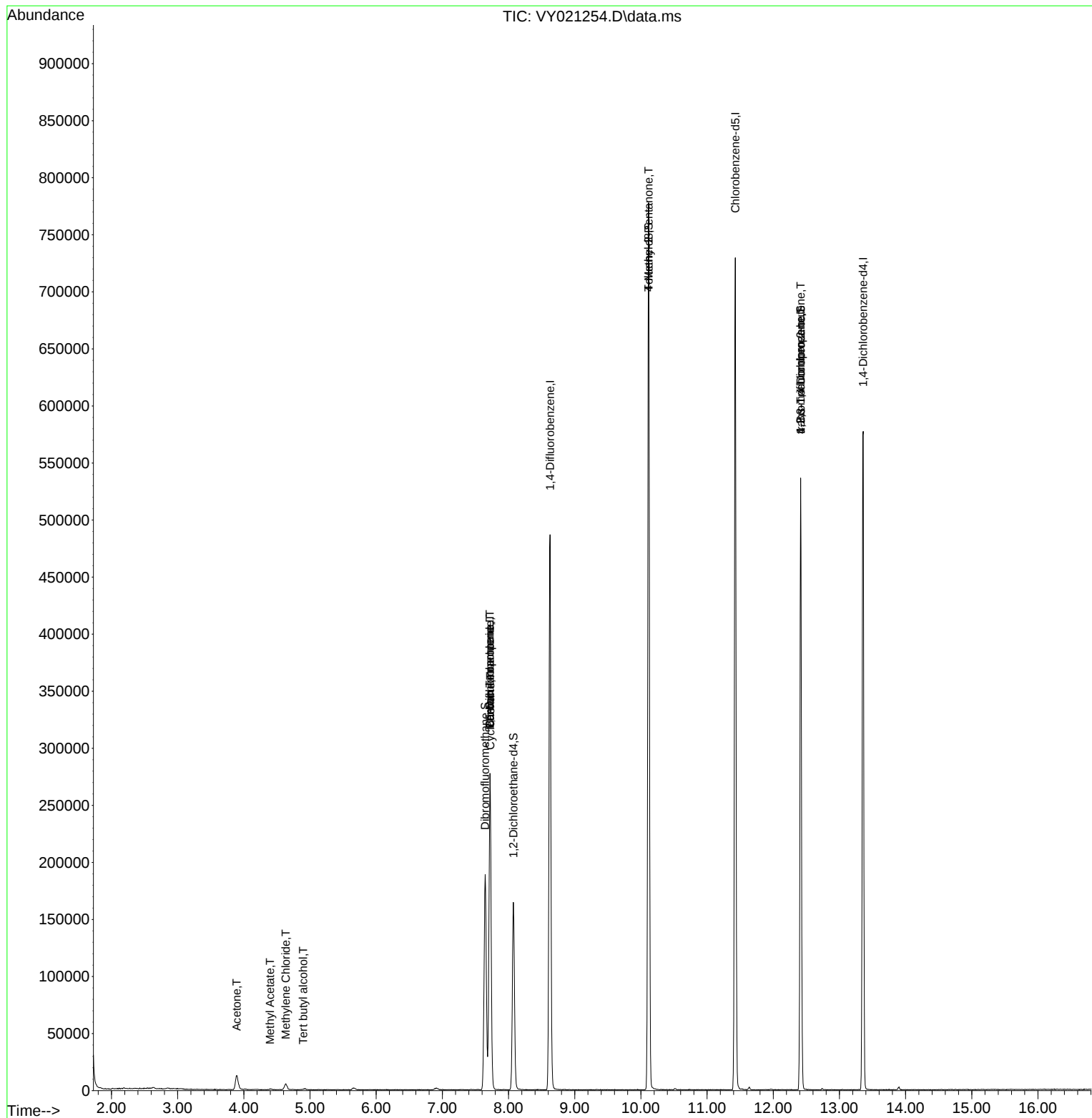
Internal Standards						
1) Pentafluorobenzene	7.719	168	209301	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	400894	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	368948	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	145325	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	130816	61.002	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.000%	
35) Dibromofluoromethane	7.646	113	133984	52.150	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.300%	
50) Toluene-d8	10.115	98	491445	50.244	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.480%	
62) 4-Bromofluorobenzene	12.414	95	158283	49.534	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.060%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.897	59	502	3.454	ug/l #	75
16) Acetone	3.891	43	24282	72.609	ug/l	94
18) Methyl Acetate	4.397	43	1296	1.104	ug/l #	74
20) Methylene Chloride	4.635	84	3480	1.674	ug/l	90
31) Cyclohexane	7.726	56	4812	1.316	ug/l #	26
36) 1,1-Dichloropropene	7.719	75	16564	4.353	ug/l #	51
38) Carbon Tetrachloride	7.719	117	21535	4.843	ug/l #	17
51) 4-Methyl-2-Pentanone	10.115	43	2308	1.384	ug/l #	1
76) 1,2,3-Trichloropropane	12.414	75	86489	65.608	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	86489	133.871	ug/l #	12

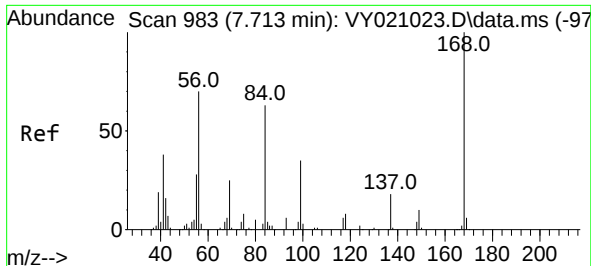
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

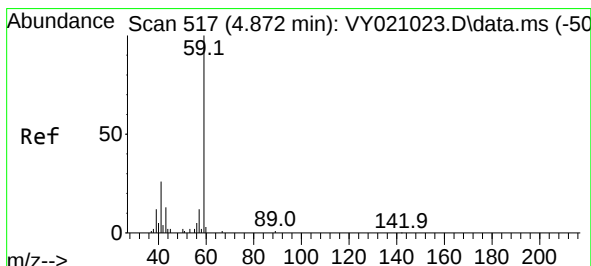
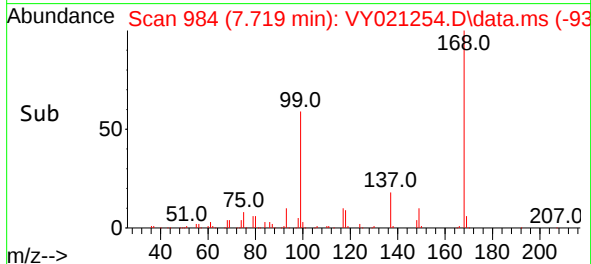
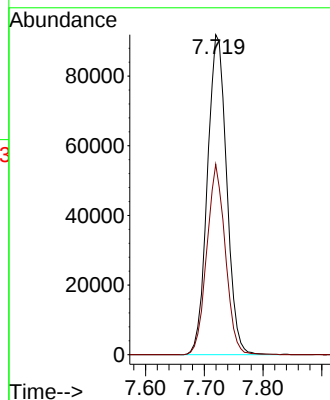
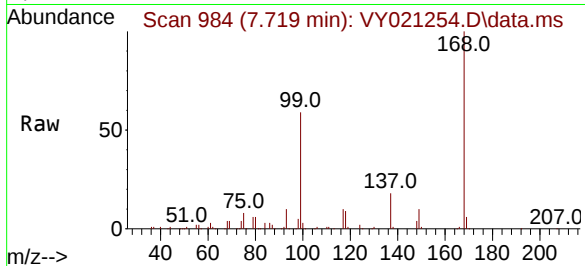




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021254.D
Acq: 20 Feb 2025 17:05

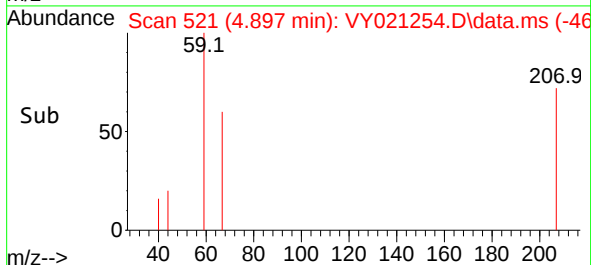
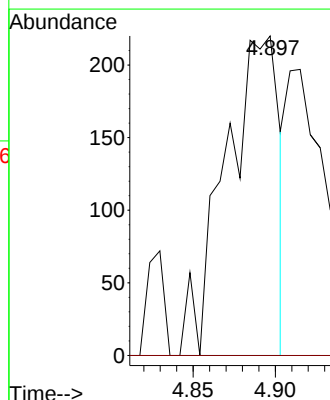
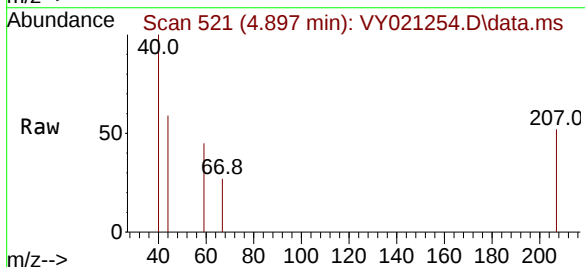
Instrument :
MSVOA_Y
ClientSampleId :

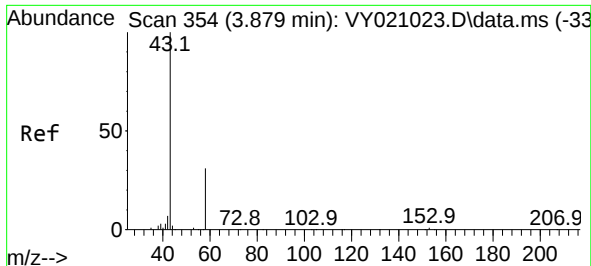
Tgt Ion:168 Resp: 209301
Ion Ratio Lower Upper
168 100
99 59.5 44.2 66.4



#11
Tert butyl alcohol
Concen: 3.454 ug/l
RT: 4.897 min Scan# 521
Delta R.T. 0.024 min
Lab File: VY021254.D
Acq: 20 Feb 2025 17:05

Tgt Ion: 59 Resp: 502
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

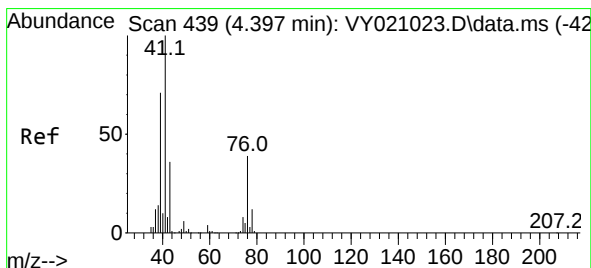
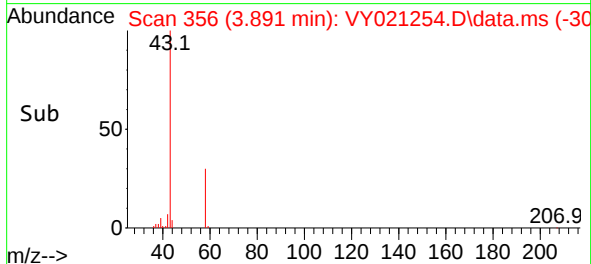
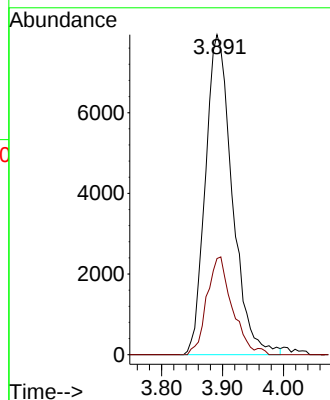
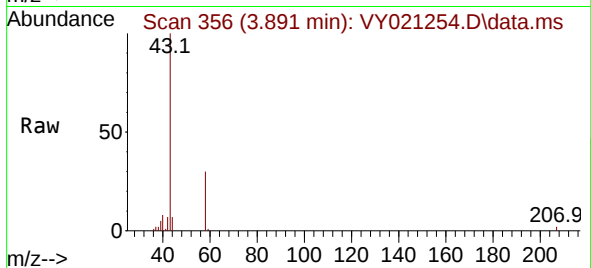




#16
Acetone
Concen: 72.609 ug/l
RT: 3.891 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY021254.D
Acq: 20 Feb 2025 17:05

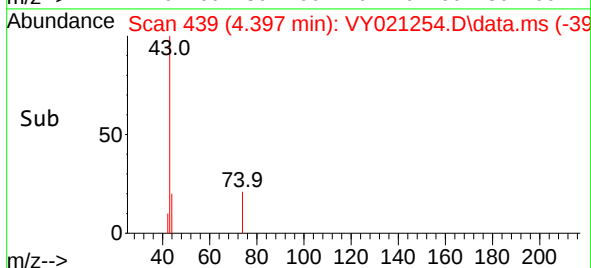
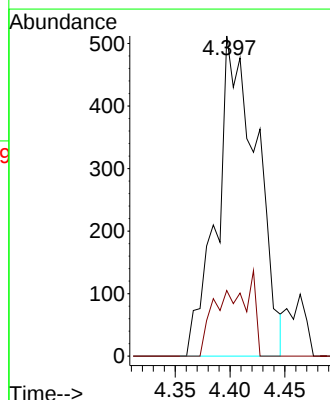
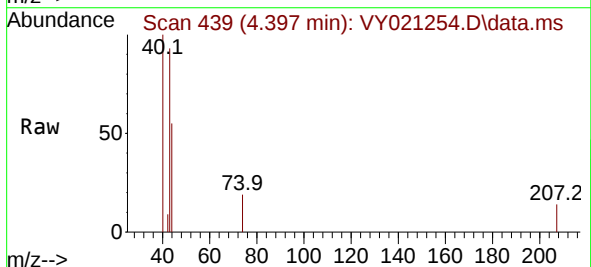
Instrument :
MSVOA_Y
ClientSampleId :

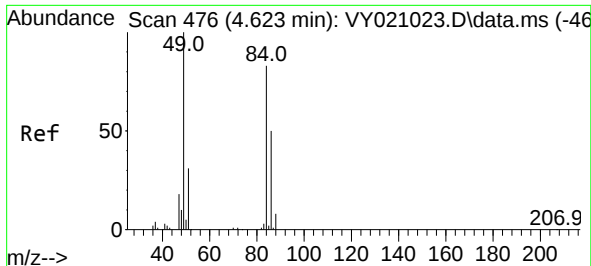
Tgt Ion: 43 Resp: 24282
Ion Ratio Lower Upper
43 100
58 30.0 26.6 39.8



#18
Methyl Acetate
Concen: 1.104 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.000 min
Lab File: VY021254.D
Acq: 20 Feb 2025 17:05

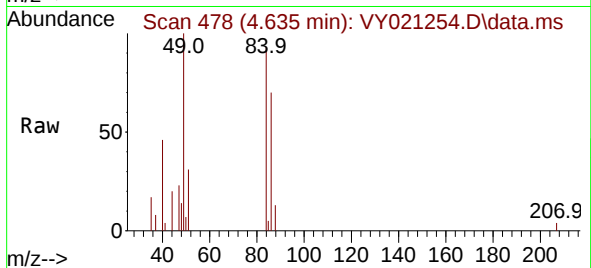
Tgt Ion: 43 Resp: 1296
Ion Ratio Lower Upper
43 100
74 11.6 19.8 29.6#



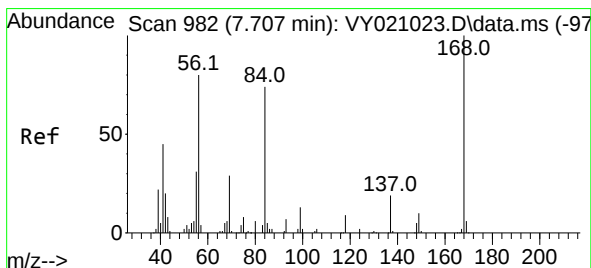
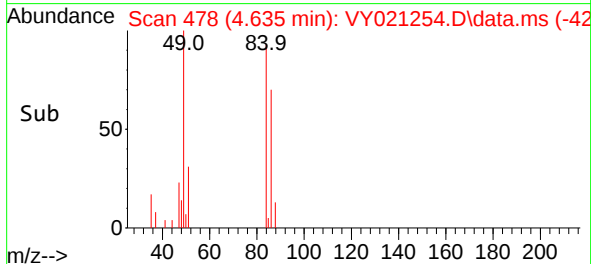
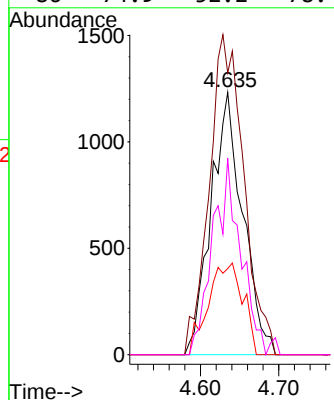


#20
Methylene Chloride
Concen: 1.674 ug/l
RT: 4.635 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY021254.D
Acq: 20 Feb 2025 17:05

Instrument :
MSVOA_Y
ClientSampleId :

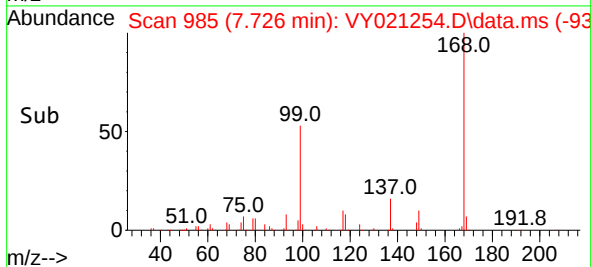
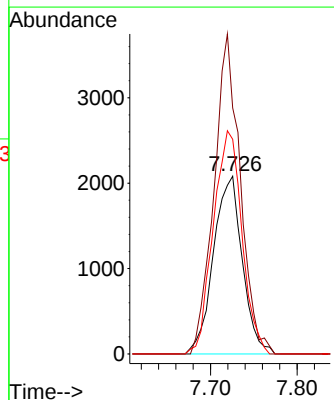
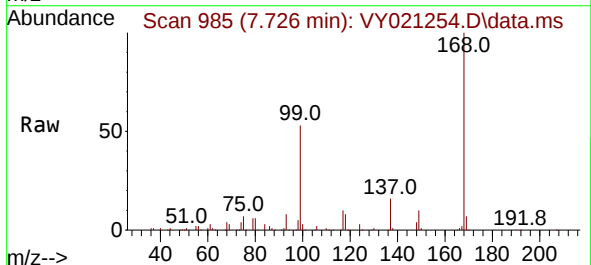


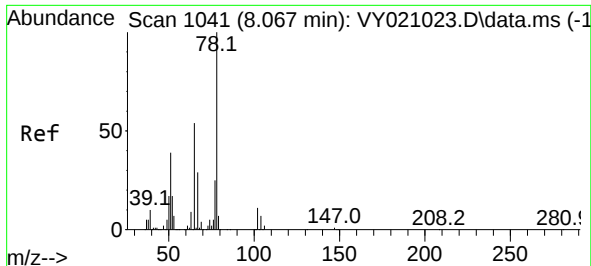
Tgt Ion: 84	Resp: 3480
Ion Ratio	Lower Upper
84 100	
49 107.4	95.2 142.8
51 32.8	29.9 44.9
86 74.9	52.2 78.4



#31
Cyclohexane
Concen: 1.316 ug/l
RT: 7.726 min Scan# 985
Delta R.T. 0.018 min
Lab File: VY021254.D
Acq: 20 Feb 2025 17:05

Tgt Ion: 56	Resp: 4812		
Ion Ratio	Lower	Upper	
56	100		
69	138.4	27.0	40.6#
84	120.8	71.8	107.6#





#33

1,2-Dichloroethane-d4

Concen: 61.002 ug/l

RT: 8.073 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VY021254.D

Acq: 20 Feb 2025 17:05

Instrument :

MSVOA_Y

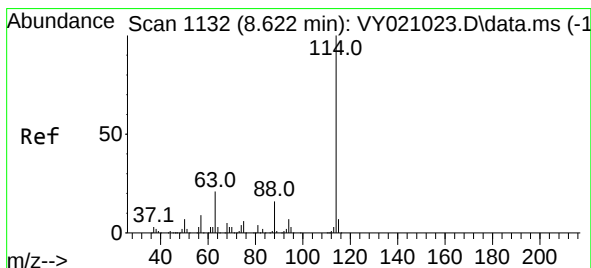
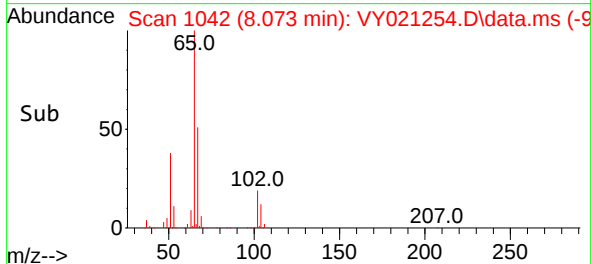
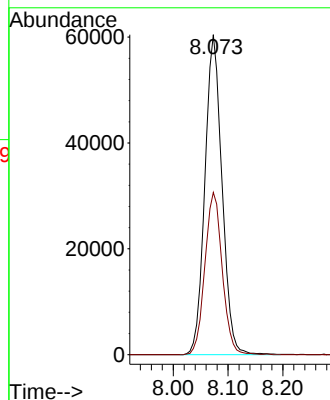
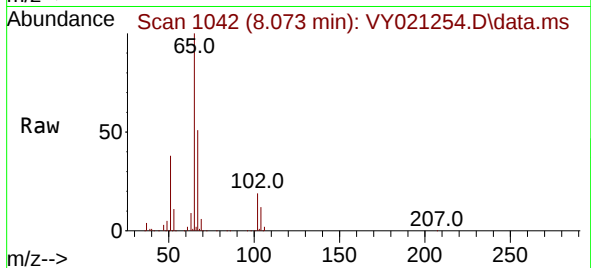
ClientSampleId :

Tgt Ion: 65 Resp: 130816

Ion Ratio Lower Upper

65 100

67 51.3 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.628 min Scan# 1133

Delta R.T. 0.006 min

Lab File: VY021254.D

Acq: 20 Feb 2025 17:05

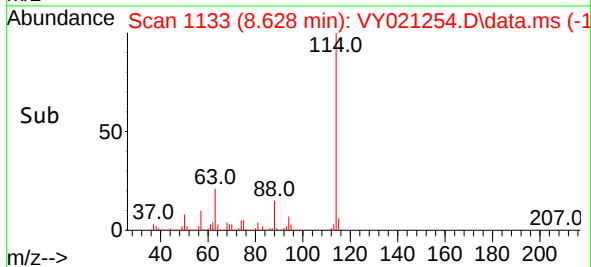
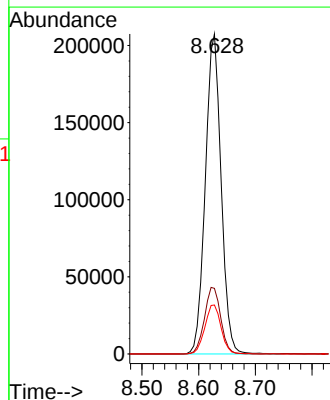
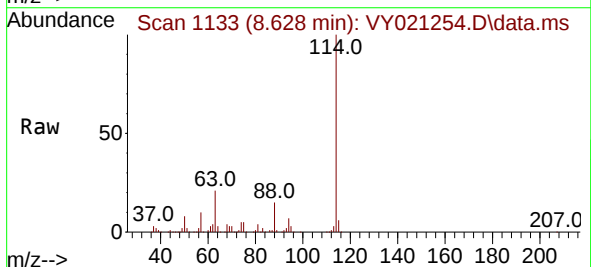
Tgt Ion:114 Resp: 400894

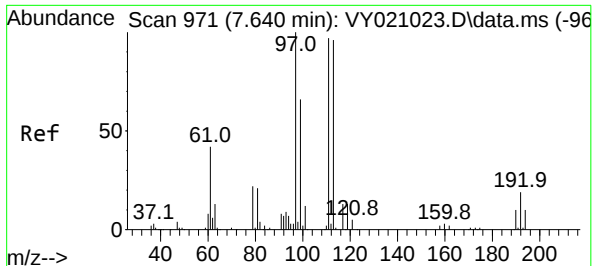
Ion Ratio Lower Upper

114 100

63 20.5 0.0 37.4

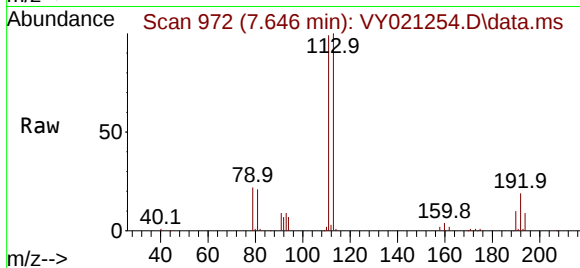
88 15.3 0.0 29.0



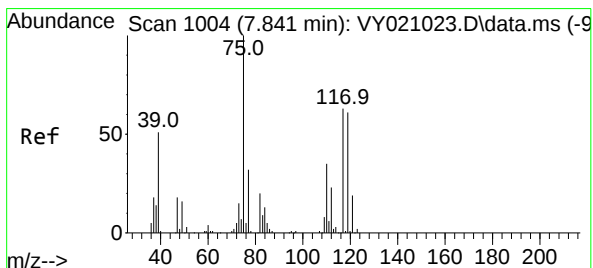
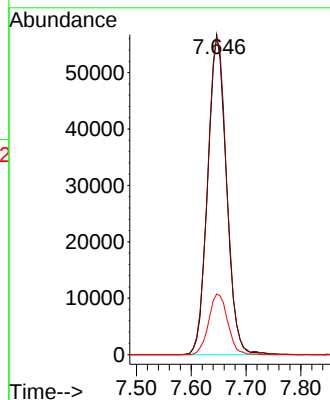
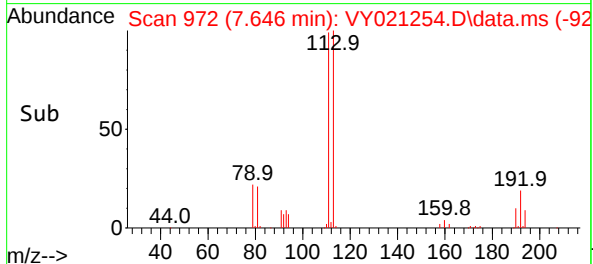


#35
Dibromofluoromethane
Concen: 52.150 ug/l
RT: 7.646 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021254.D
Acq: 20 Feb 2025 17:05

Instrument :
MSVOA_Y
ClientSampleId :

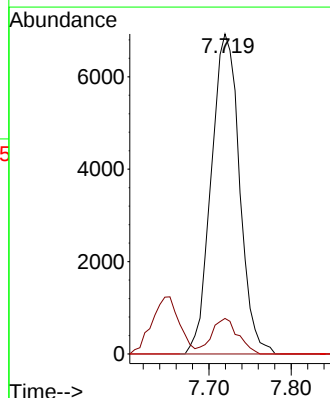
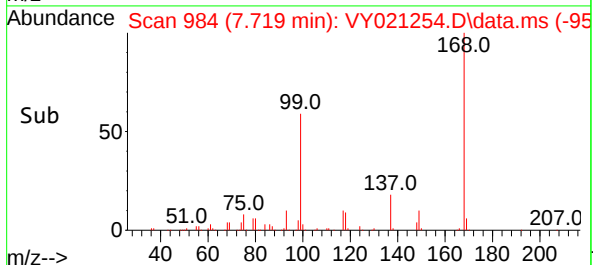
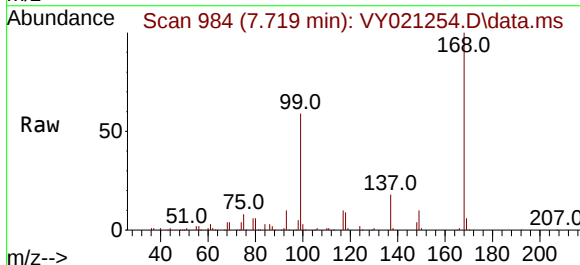


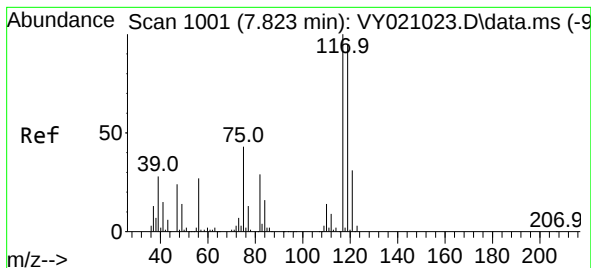
Tgt Ion:113 Resp: 133984
Ion Ratio Lower Upper
113 100
111 101.6 83.8 125.6
192 19.3 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.353 ug/l
RT: 7.719 min Scan# 984
Delta R.T. -0.122 min
Lab File: VY021254.D
Acq: 20 Feb 2025 17:05

Tgt Ion: 75 Resp: 16564
Ion Ratio Lower Upper
75 100
110 10.4 17.4 52.3#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.843 ug/l

RT: 7.719 min Scan# 91

Delta R.T. -0.104 min

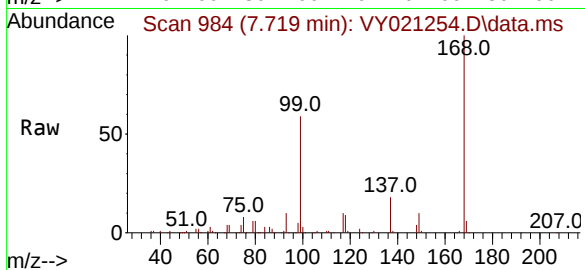
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Acq: 20 Feb 2025 17:05

Instrument :

MSVOA_Y

ClientSampleId :



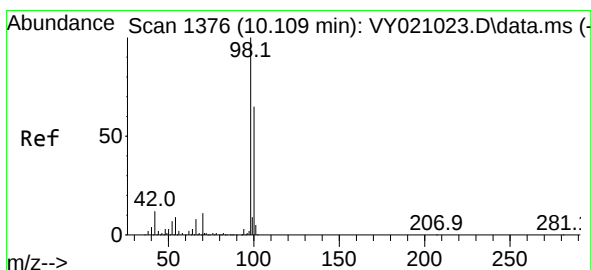
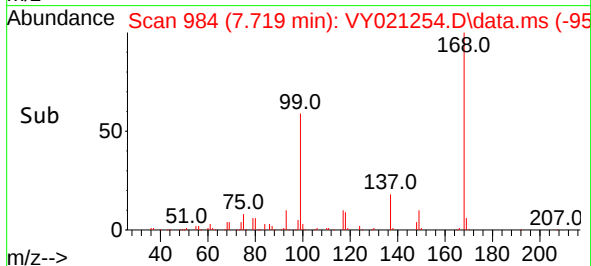
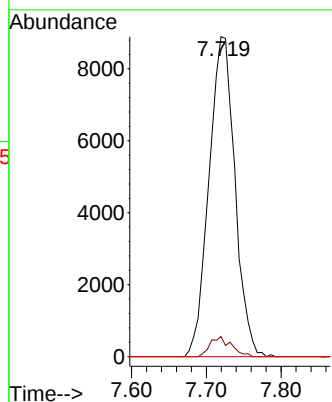
Tgt Ion:117 Resp: 21535

Ion Ratio Lower Upper

117 100

119 6.3 76.0 114.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 50.244 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.006 min

Lab File: VY021254.D

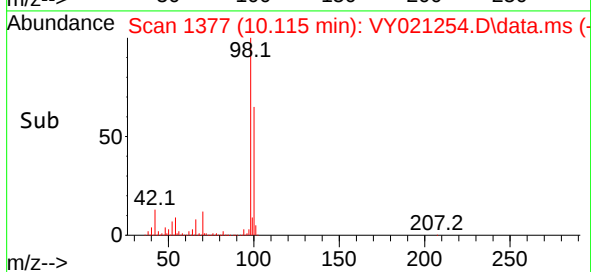
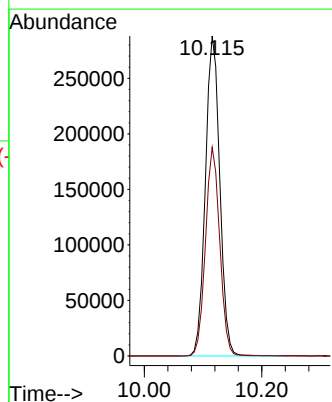
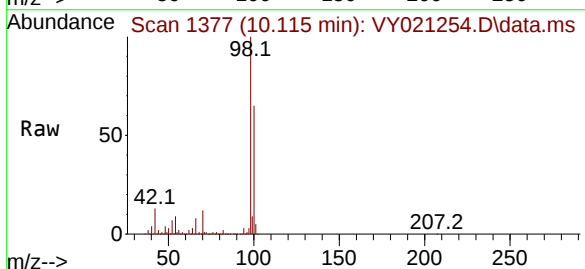
Acq: 20 Feb 2025 17:05

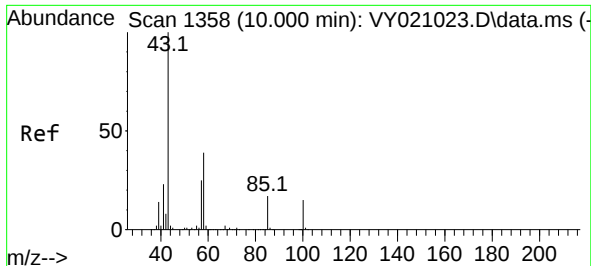
Tgt Ion: 98 Resp: 491445

Ion Ratio Lower Upper

98 100

100 64.5 52.3 78.5

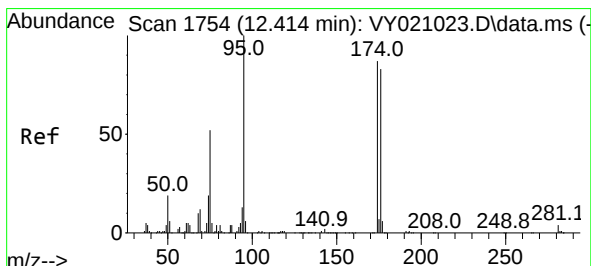
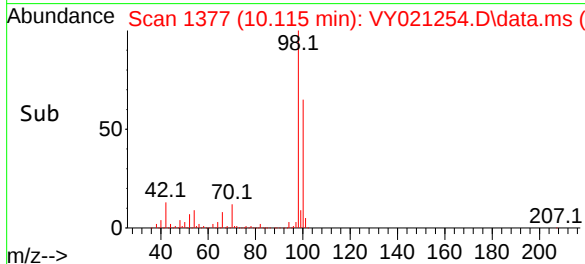
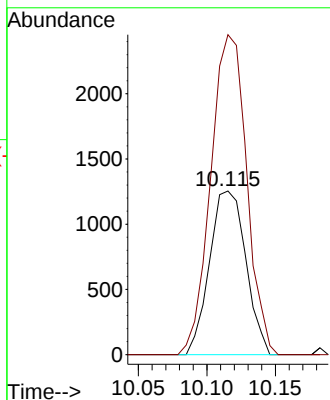
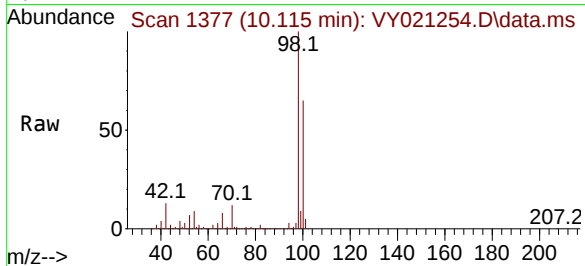




#51
4-Methyl-2-Pentanone
Concen: 1.384 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.116 min
Lab File: VY021254.D
Acq: 20 Feb 2025 17:05

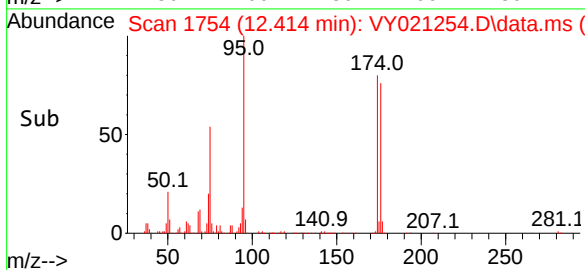
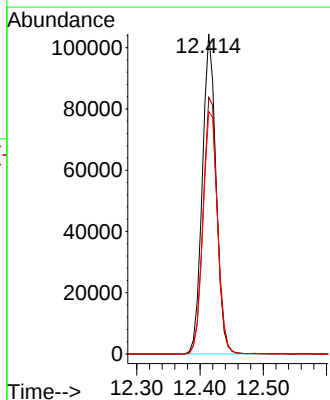
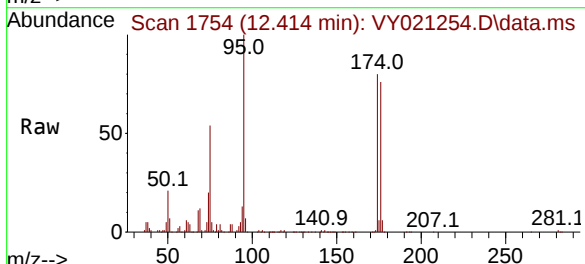
Instrument :
MSVOA_Y
ClientSampleId :

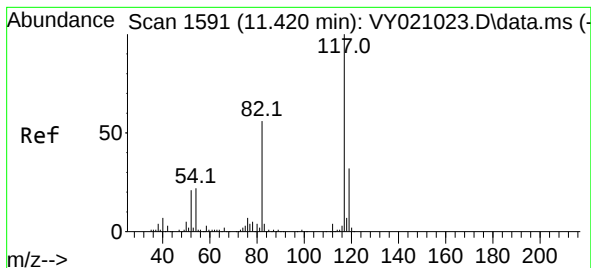
Tgt Ion: 43 Resp: 2308
Ion Ratio Lower Upper
43 100
58 193.9 32.2 48.2#



#62
4-Bromofluorobenzene
Concen: 49.534 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021254.D
Acq: 20 Feb 2025 17:05

Tgt Ion: 95 Resp: 158283
Ion Ratio Lower Upper
95 100
174 83.4 0.0 160.0
176 80.0 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021254.D

Acq: 20 Feb 2025 17:05

Instrument :

MSVOA_Y

ClientSampleId :

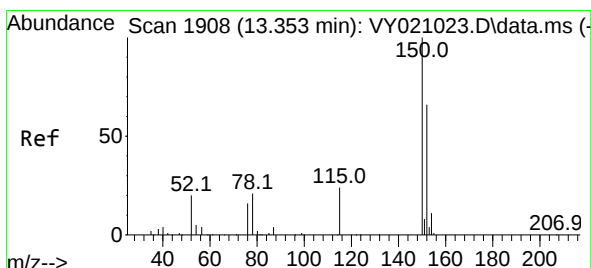
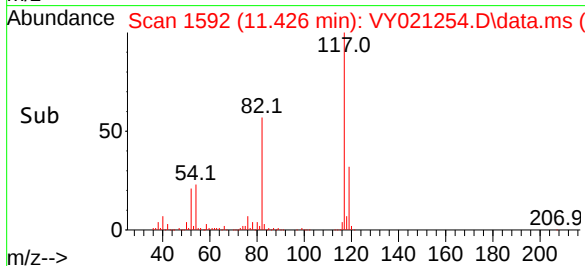
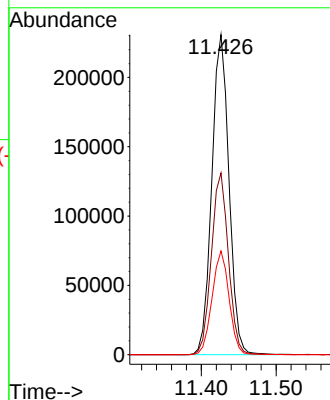
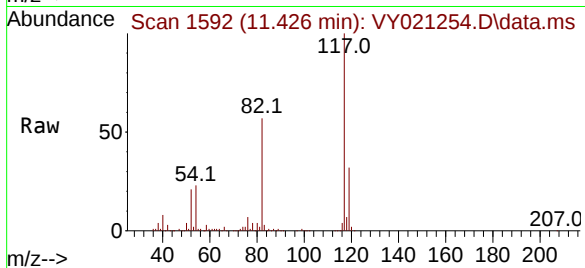
Tgt Ion:117 Resp: 368948

Ion Ratio Lower Upper

117 100

82 56.8 43.8 65.8

119 32.4 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. 0.006 min

Lab File: VY021254.D

Acq: 20 Feb 2025 17:05

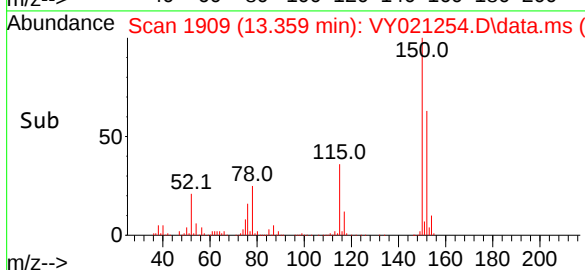
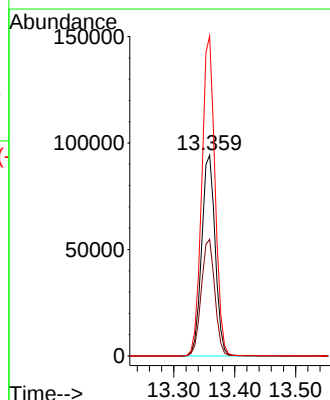
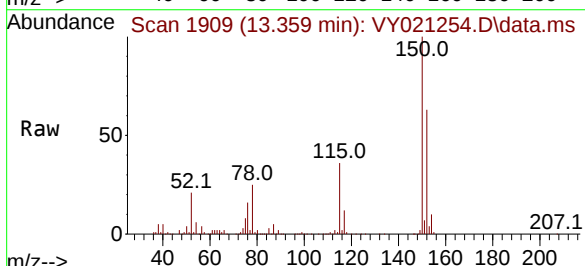
Tgt Ion:152 Resp: 145325

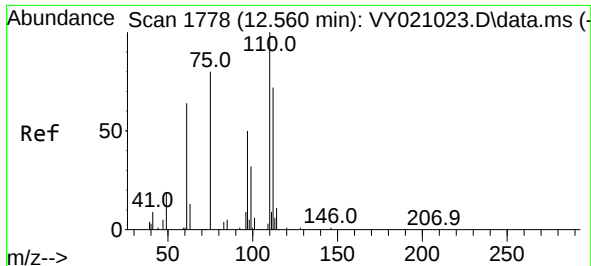
Ion Ratio Lower Upper

152 100

115 58.3 30.0 90.0

150 156.3 0.0 344.6

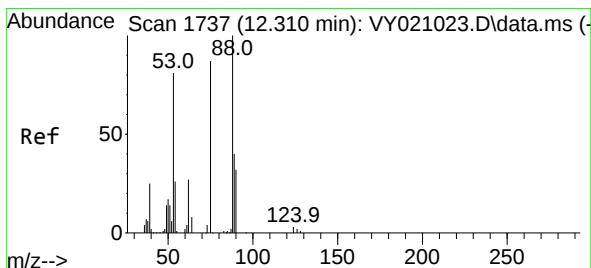
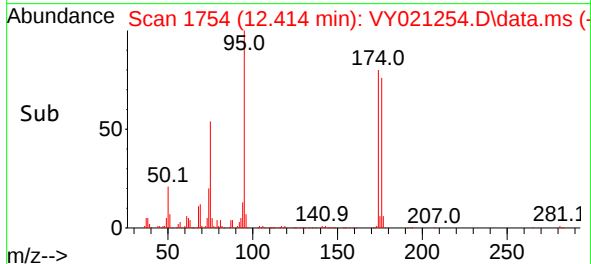
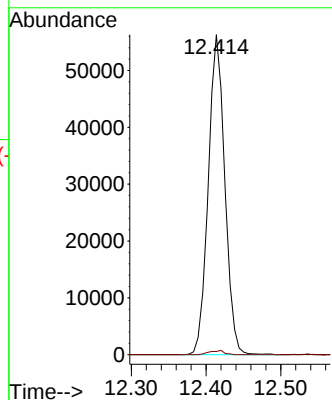
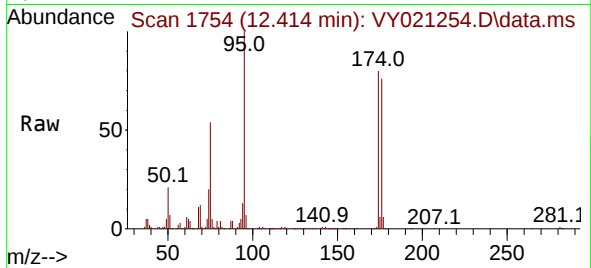




#76
1,2,3-Trichloropropane
Concen: 65.608 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.146 min
Lab File: VY021254.D
Acq: 20 Feb 2025 17:05

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 86489
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 133.871 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.104 min
Lab File: VY021254.D
Acq: 20 Feb 2025 17:05

Tgt Ion: 75 Resp: 86489
Ion Ratio Lower Upper
75 100
53 0.1 74.0 111.0#
89 0.0 36.5 54.7#

