

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
 Data File : VY021055.D
 Acq On : 04 Feb 2025 13:52
 Operator : SY/MD
 Sample : Q1215-05
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 05 00:46:27 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	7.707	168	12765	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	17435	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	10821	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	1520	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	4691	35.867	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	71.740%
35) Dibromofluoromethane	7.634	113	5851	52.365	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.720%
50) Toluene-d8	10.109	98	18563	43.638	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	87.280%
62) 4-Bromofluorobenzene	12.408	95	2576	18.536	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	37.080%

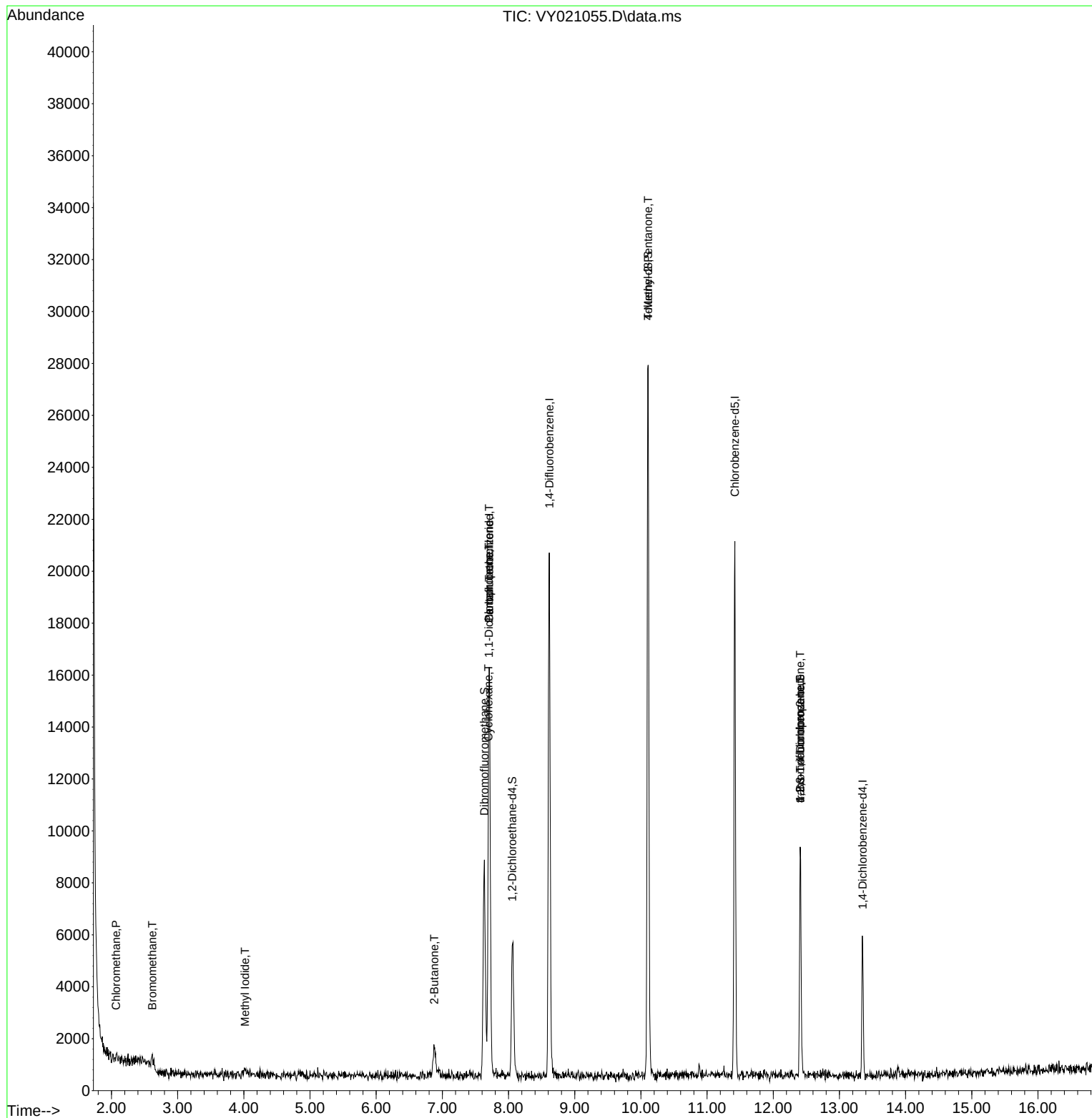
Target Compounds					Qvalue	
3) Chloromethane	2.068	50	204	1.817	ug/l #	41
5) Bromomethane	2.617	94	218	3.121	ug/l	96
10) Methyl Iodide	4.019	142	380	2.647	ug/l #	61
25) 2-Butanone	6.878	43	47	1.402	ug/l #	48
31) Cyclohexane	7.695	56	231	1.036	ug/l #	63
36) 1,1-Dichloropropene	7.701	75	1173	7.088	ug/l #	42
38) Carbon Tetrachloride	7.707	117	1355	7.007	ug/l #	22
51) 4-Methyl-2-Pentanone	10.109	43	88	1.213	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	1455	105.524	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	1455	215.320	ug/l #	12

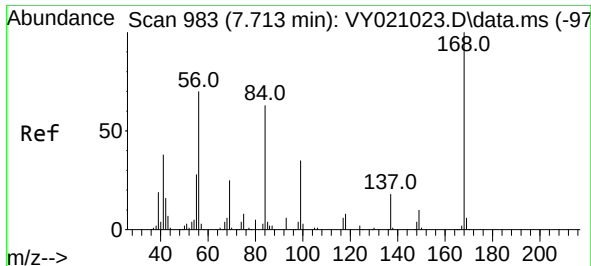
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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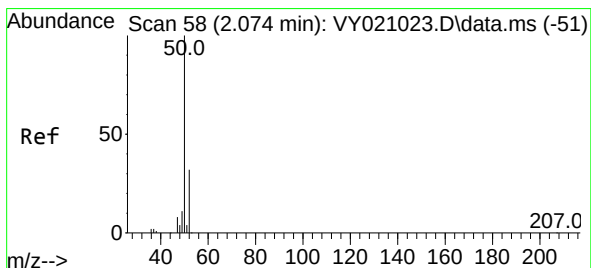
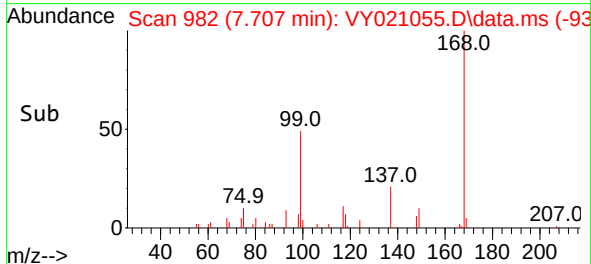
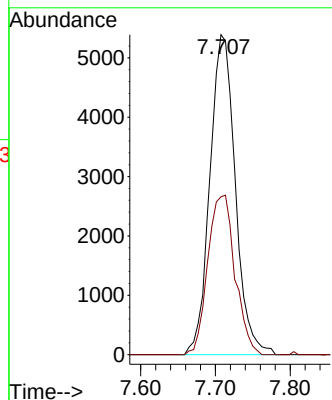
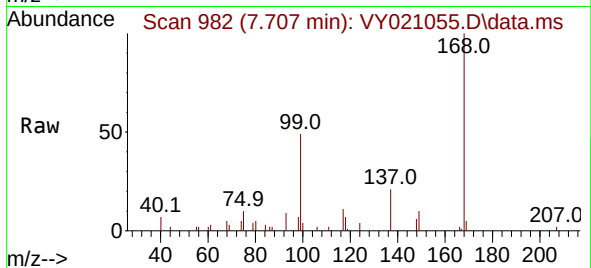




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021055.D
Acq: 04 Feb 2025 13:52

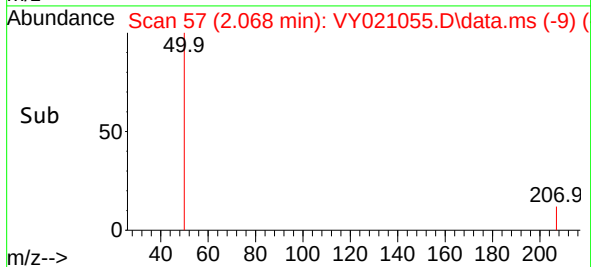
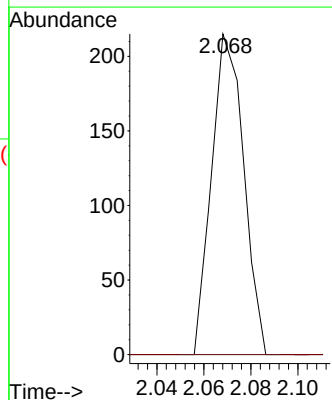
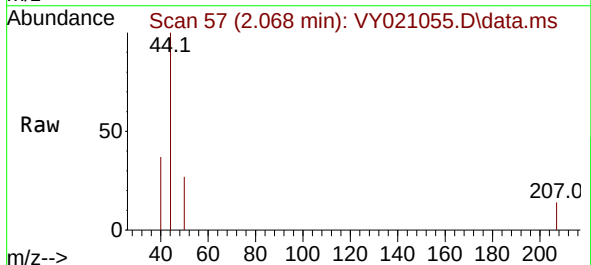
Instrument :
MSVOA_Y
ClientSampleId :

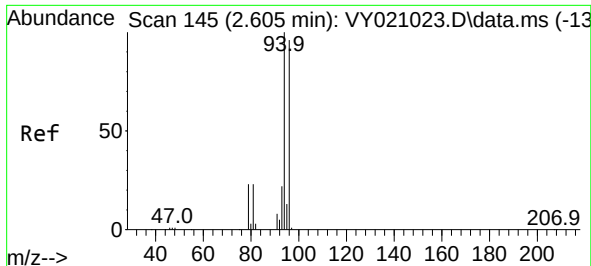
Tgt Ion:168 Resp: 12765
Ion Ratio Lower Upper
168 100
99 49.4 44.2 66.4



#3
Chloromethane
Concen: 1.817 ug/l
RT: 2.068 min Scan# 57
Delta R.T. -0.006 min
Lab File: VY021055.D
Acq: 04 Feb 2025 13:52

Tgt Ion: 50 Resp: 204
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#

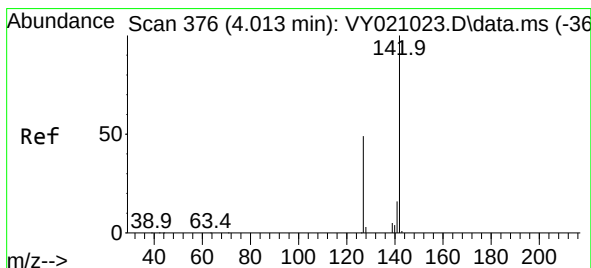
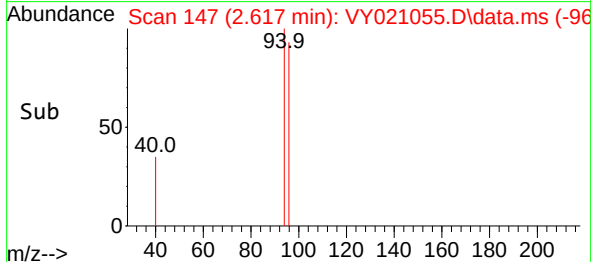
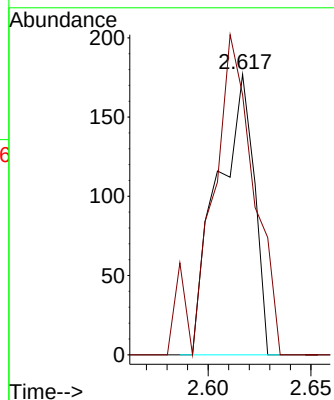
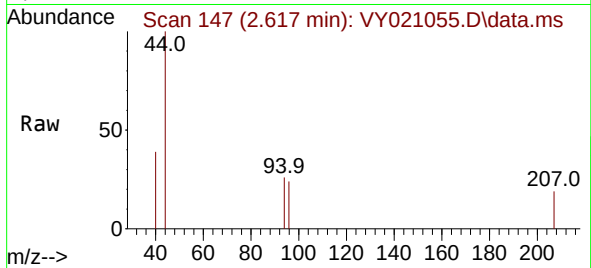




#5
Bromomethane
Concen: 3.121 ug/l
RT: 2.617 min Scan# 145
Delta R.T. 0.012 min
Lab File: VY021055.D
Acq: 04 Feb 2025 13:52

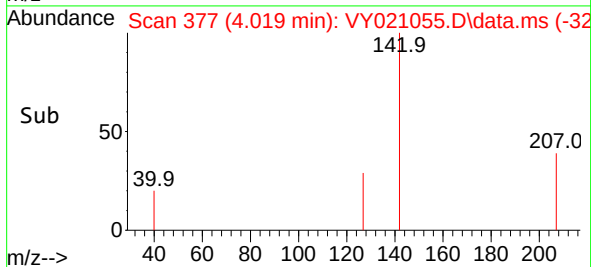
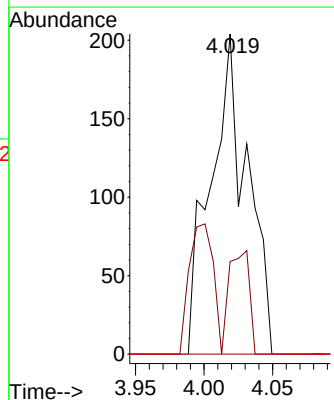
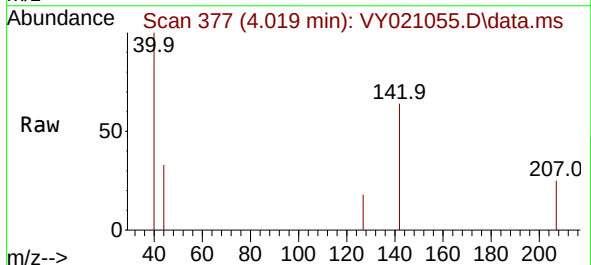
Instrument :
MSVOA_Y
ClientSampleId :

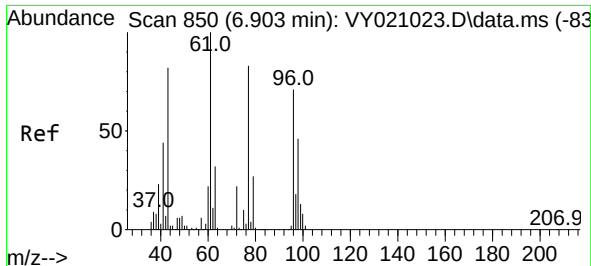
Tgt Ion: 94 Resp: 218
Ion Ratio Lower Upper
94 100
96 92.7 77.3 115.9



#10
Methyl Iodide
Concen: 2.647 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.006 min
Lab File: VY021055.D
Acq: 04 Feb 2025 13:52

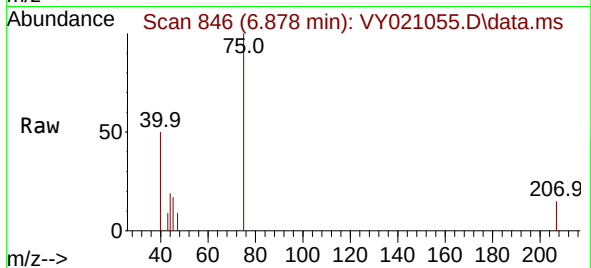
Tgt Ion:142 Resp: 380
Ion Ratio Lower Upper
142 100
127 17.9 35.1 52.7#
141 0.0 11.8 17.6#



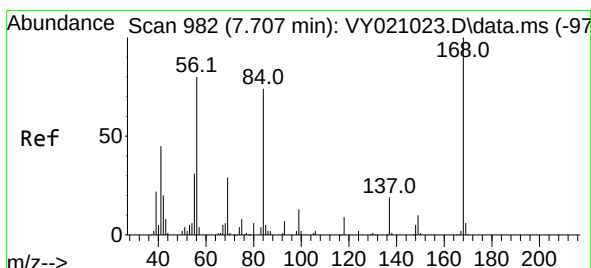
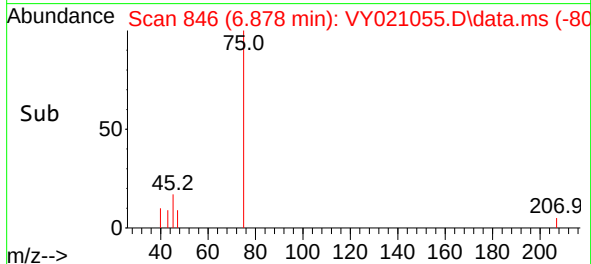
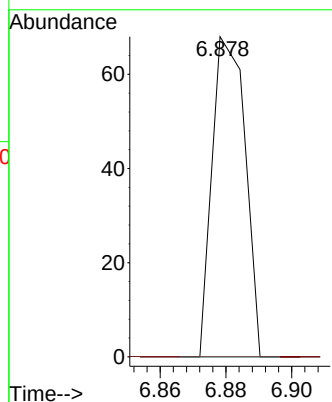


#25
2-Butanone
Concen: 1.402 ug/l
RT: 6.878 min Scan# 84
Delta R.T. -0.024 min
Lab File: VY021055.D
Acq: 04 Feb 2025 13:52

Instrument :
MSVOA_Y
ClientSampleId :

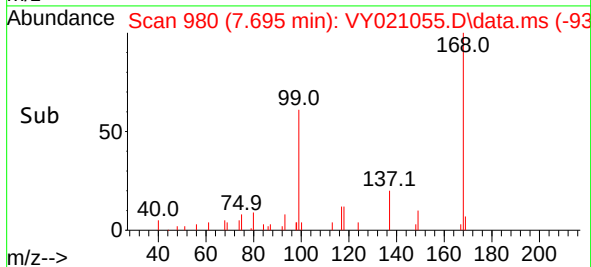
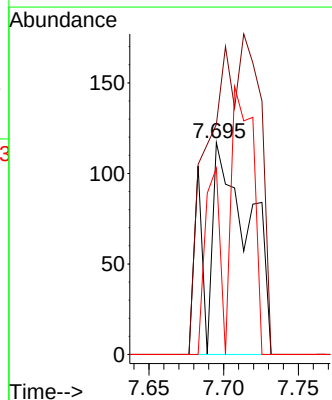
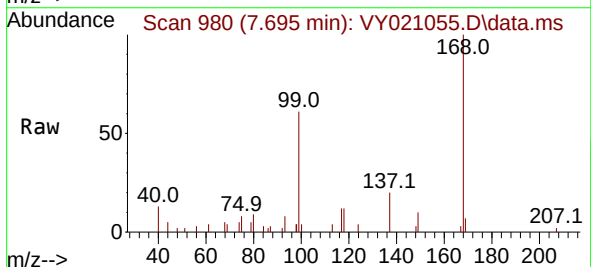


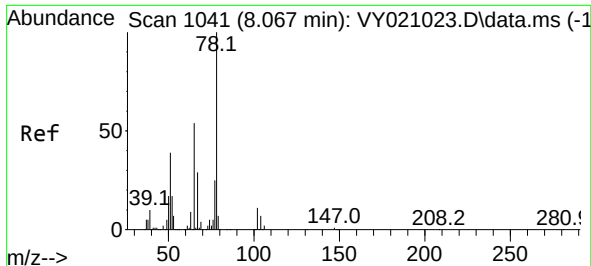
Tgt Ion: 43 Resp: 47
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#



#31
Cyclohexane
Concen: 1.036 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.012 min
Lab File: VY021055.D
Acq: 04 Feb 2025 13:52

Tgt Ion: 56 Resp: 231
Ion Ratio Lower Upper
56 100
69 108.5 27.0 40.6#
84 88.0 71.8 107.6





#33

1,2-Dichloroethane-d4

Concen: 35.867 ug/l

RT: 8.055 min Scan# 1103

Delta R.T. -0.012 min

Lab File: VY021055.D

Acq: 04 Feb 2025 13:52

Instrument :

MSVOA_Y

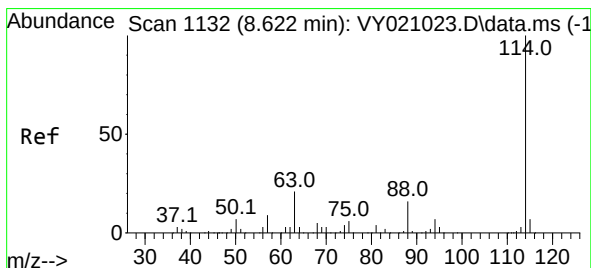
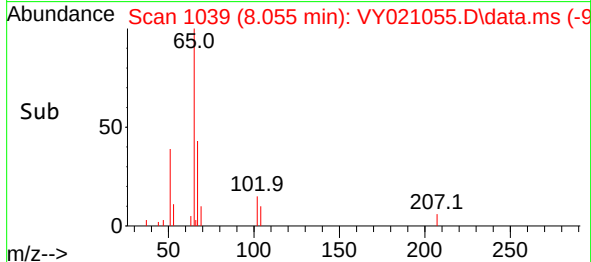
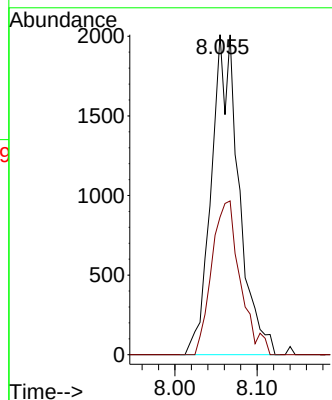
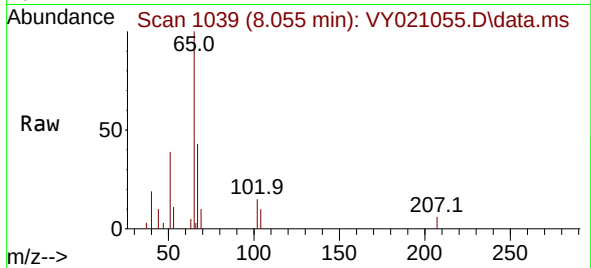
ClientSampleId :

Tgt Ion: 65 Resp: 4691

Ion Ratio Lower Upper

65 100

67 49.5 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021055.D

Acq: 04 Feb 2025 13:52

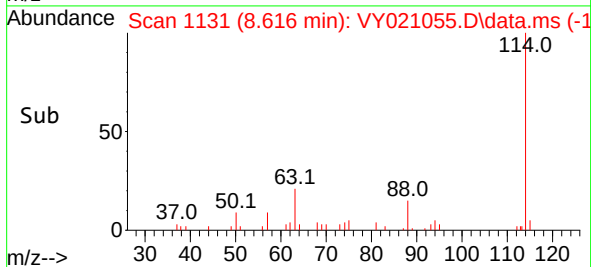
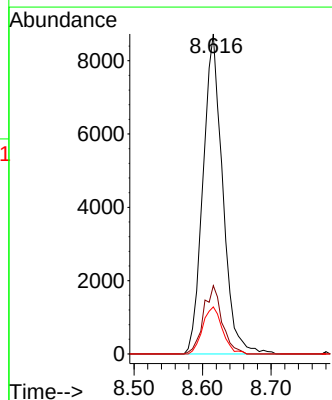
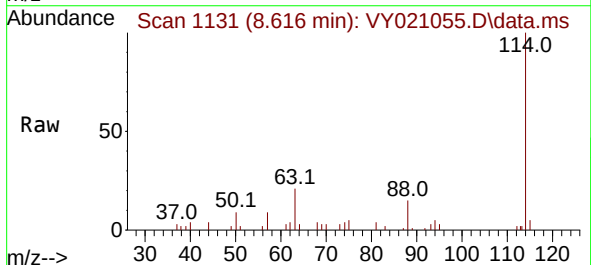
Tgt Ion: 114 Resp: 17435

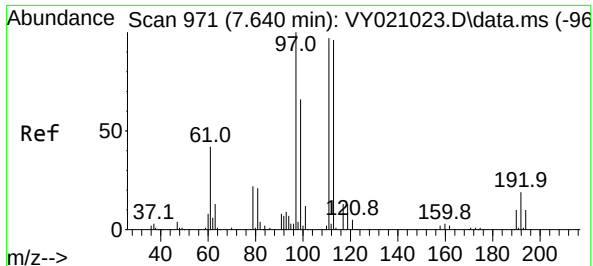
Ion Ratio Lower Upper

114 100

63 21.3 0.0 37.4

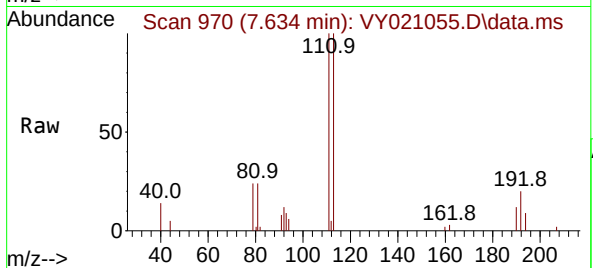
88 14.7 0.0 29.0



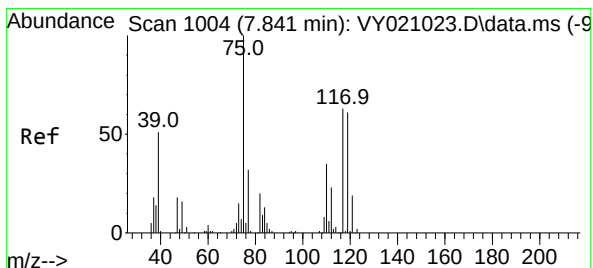
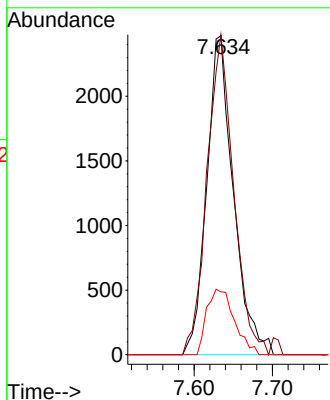
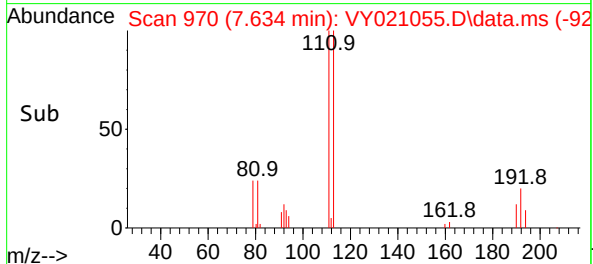


#35
Dibromofluoromethane
Concen: 52.365 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021055.D
Acq: 04 Feb 2025 13:52

Instrument :
MSVOA_Y
ClientSampleId :

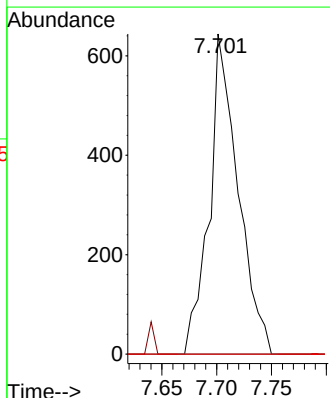
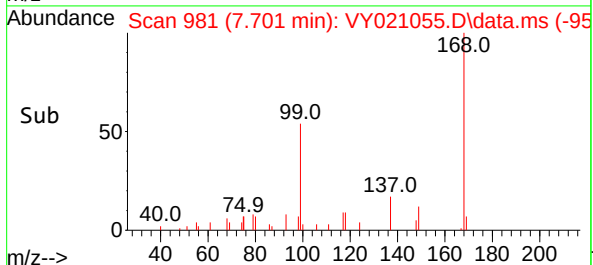
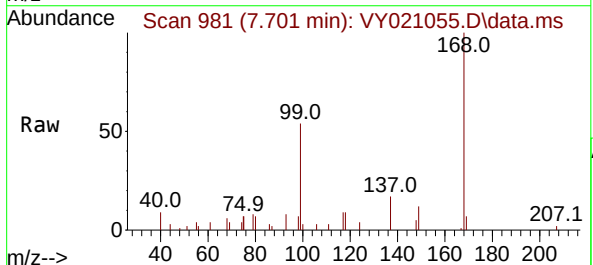


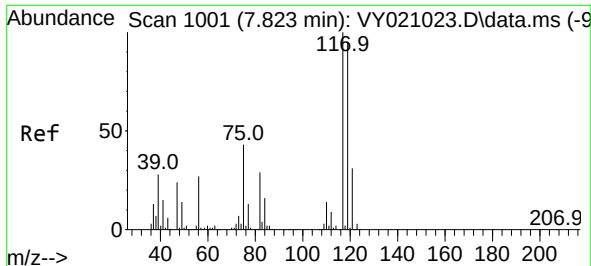
Tgt Ion:113 Resp: 5851
Ion Ratio Lower Upper
113 100
111 100.1 83.8 125.6
192 21.2 14.5 21.7



#36
1,1-Dichloropropene
Concen: 7.088 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY021055.D
Acq: 04 Feb 2025 13:52

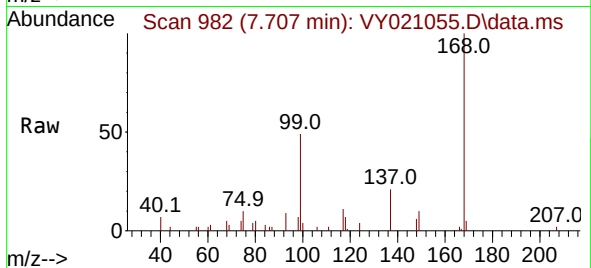
Tgt Ion: 75 Resp: 1173
Ion Ratio Lower Upper
75 100
110 0.0 17.4 52.3#
77 0.0 24.7 37.1#



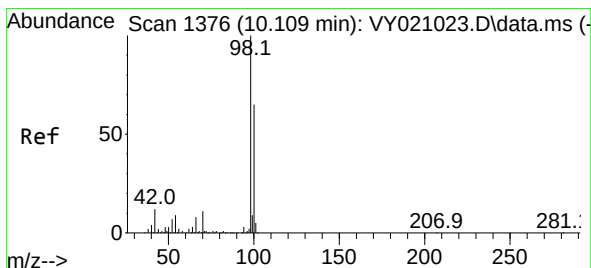
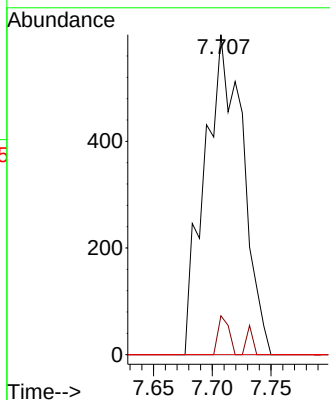
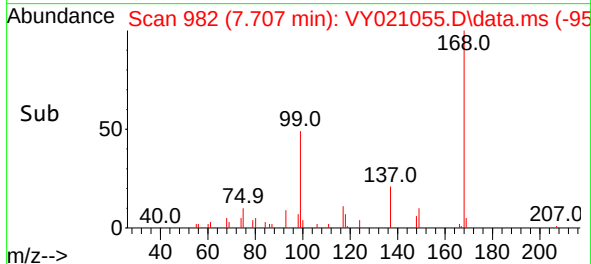


#38
Carbon Tetrachloride
Concen: 7.007 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY021055.D
Acq: 04 Feb 2025 13:52

Instrument :
MSVOA_Y
ClientSampleId :

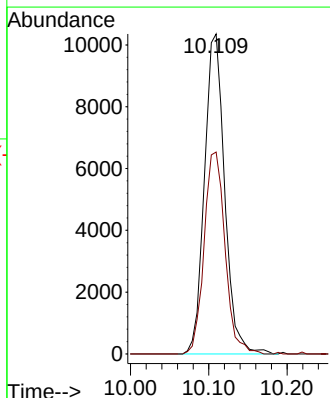
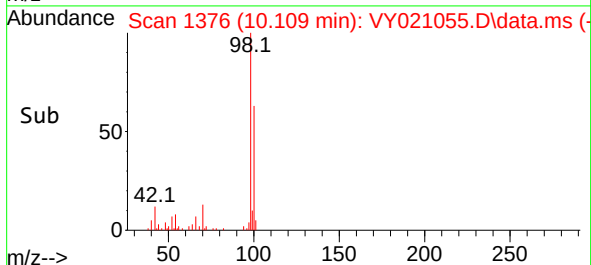
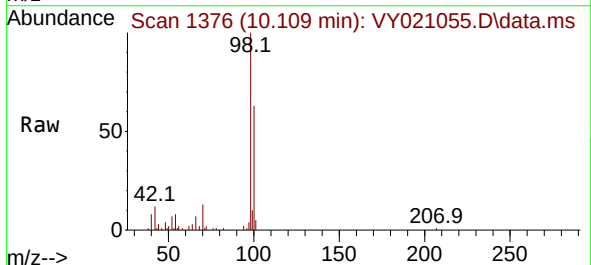


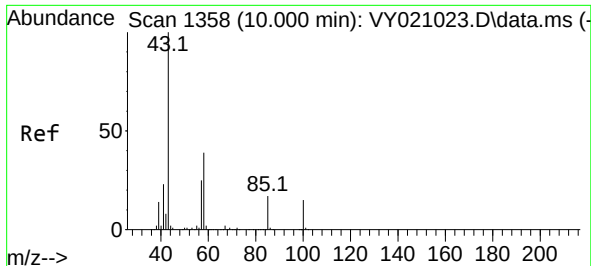
Tgt Ion:117 Resp: 1355
Ion Ratio Lower Upper
117 100
119 12.2 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 43.638 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021055.D
Acq: 04 Feb 2025 13:52

Tgt Ion: 98 Resp: 18563
Ion Ratio Lower Upper
98 100
100 65.3 52.3 78.5

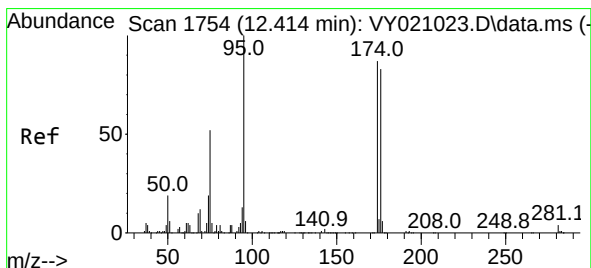
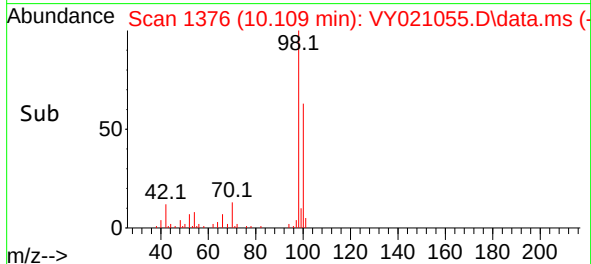
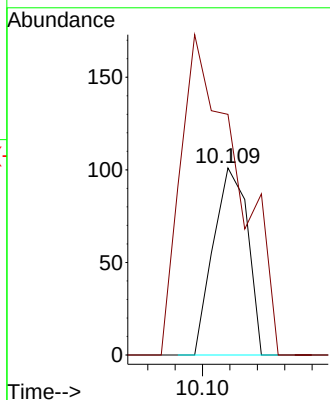
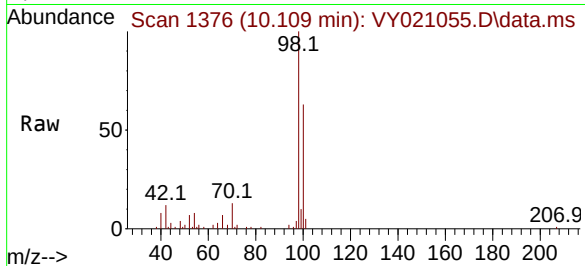




#51
4-Methyl-2-Pentanone
Concen: 1.213 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY021055.D
Acq: 04 Feb 2025 13:52

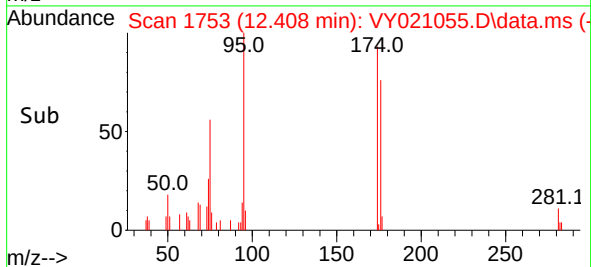
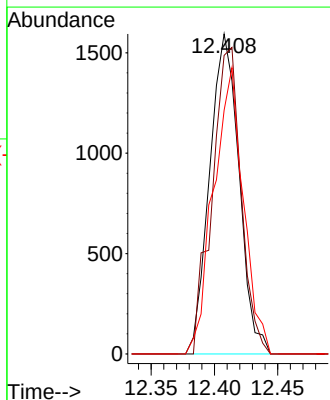
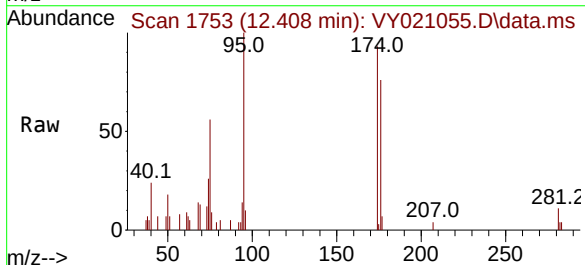
Instrument :
MSVOA_Y
ClientSampleId :

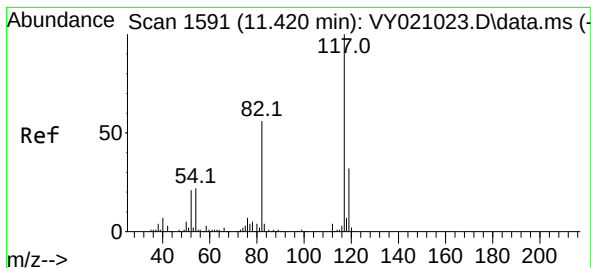
Tgt Ion: 43 Resp: 88
Ion Ratio Lower Upper
43 100
58 283.0 32.2 48.2#



#62
4-Bromofluorobenzene
Concen: 18.536 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021055.D
Acq: 04 Feb 2025 13:52

Tgt Ion: 95 Resp: 2576
Ion Ratio Lower Upper
95 100
174 94.4 0.0 160.0
176 90.9 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: VY021055.D

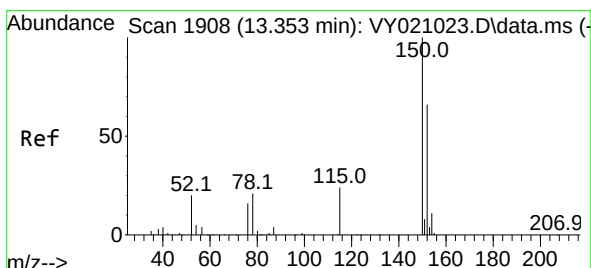
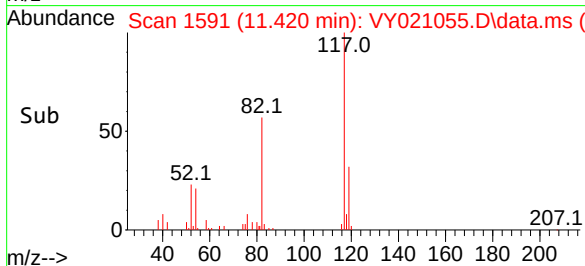
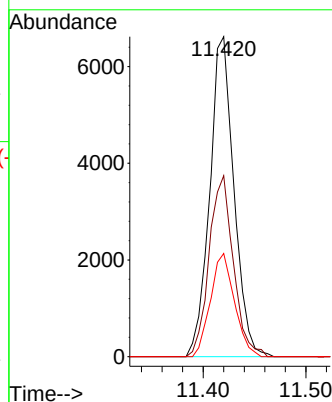
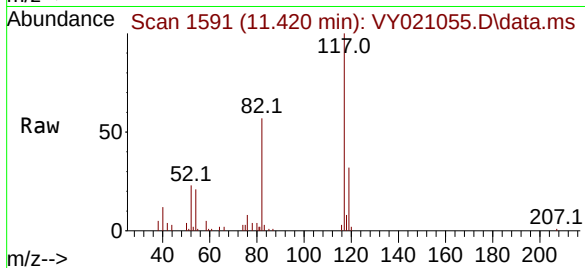
Acq: 04 Feb 2025 13:52

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:117	Resp:	10821
Ion	Ratio	Lower Upper
117	100	
82	56.6	43.8 65.8
119	32.2	26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

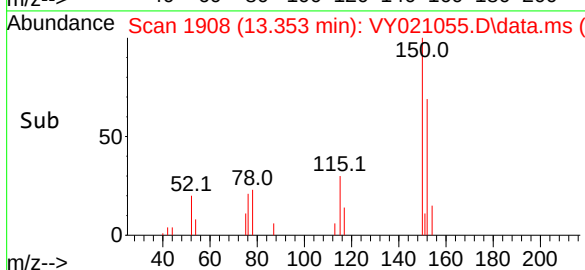
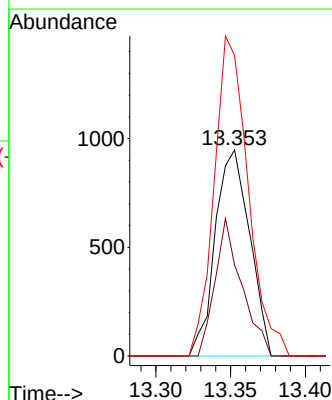
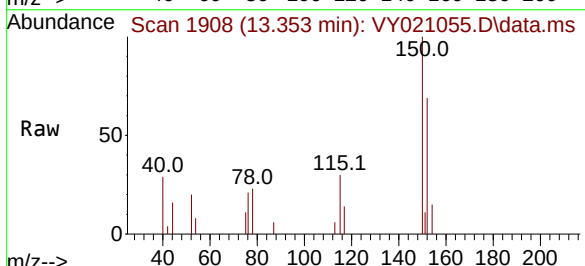
RT: 13.353 min Scan# 1908

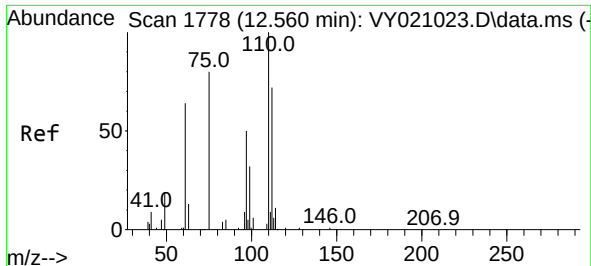
Delta R.T. -0.000 min

Lab File: VY021055.D

Acq: 04 Feb 2025 13:52

Tgt Ion:152	Resp:	1520
Ion	Ratio	Lower Upper
152	100	
115	51.8	30.0 90.0
150	152.9	0.0 344.6

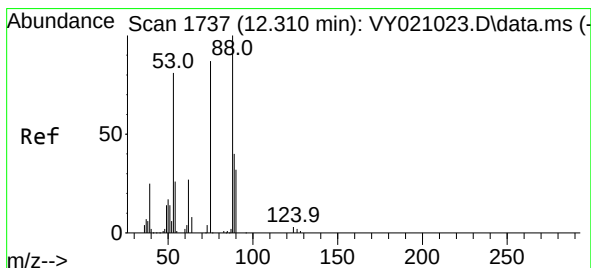
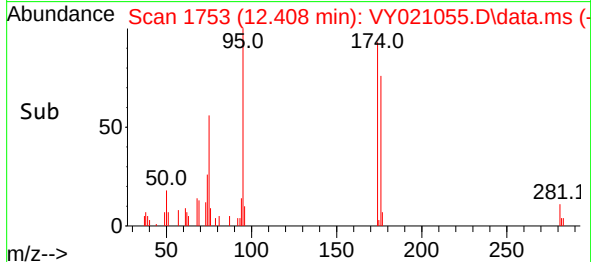
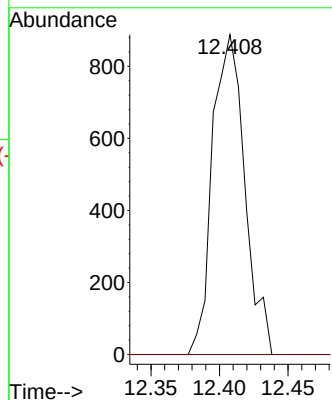
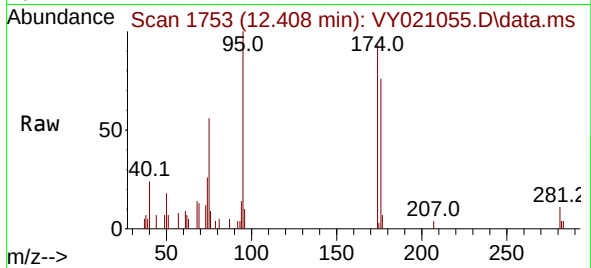




#76
1,2,3-Trichloropropane
Concen: 105.524 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY021055.D
Acq: 04 Feb 2025 13:52

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 1455
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 215.320 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.097 min
Lab File: VY021055.D
Acq: 04 Feb 2025 13:52

Tgt Ion: 75 Resp: 1455
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#

