

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
 Data File : VY021032.D
 Acq On : 03 Feb 2025 16:14
 Operator : SY/MD
 Sample : Q1215-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 04 00:56:56 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)

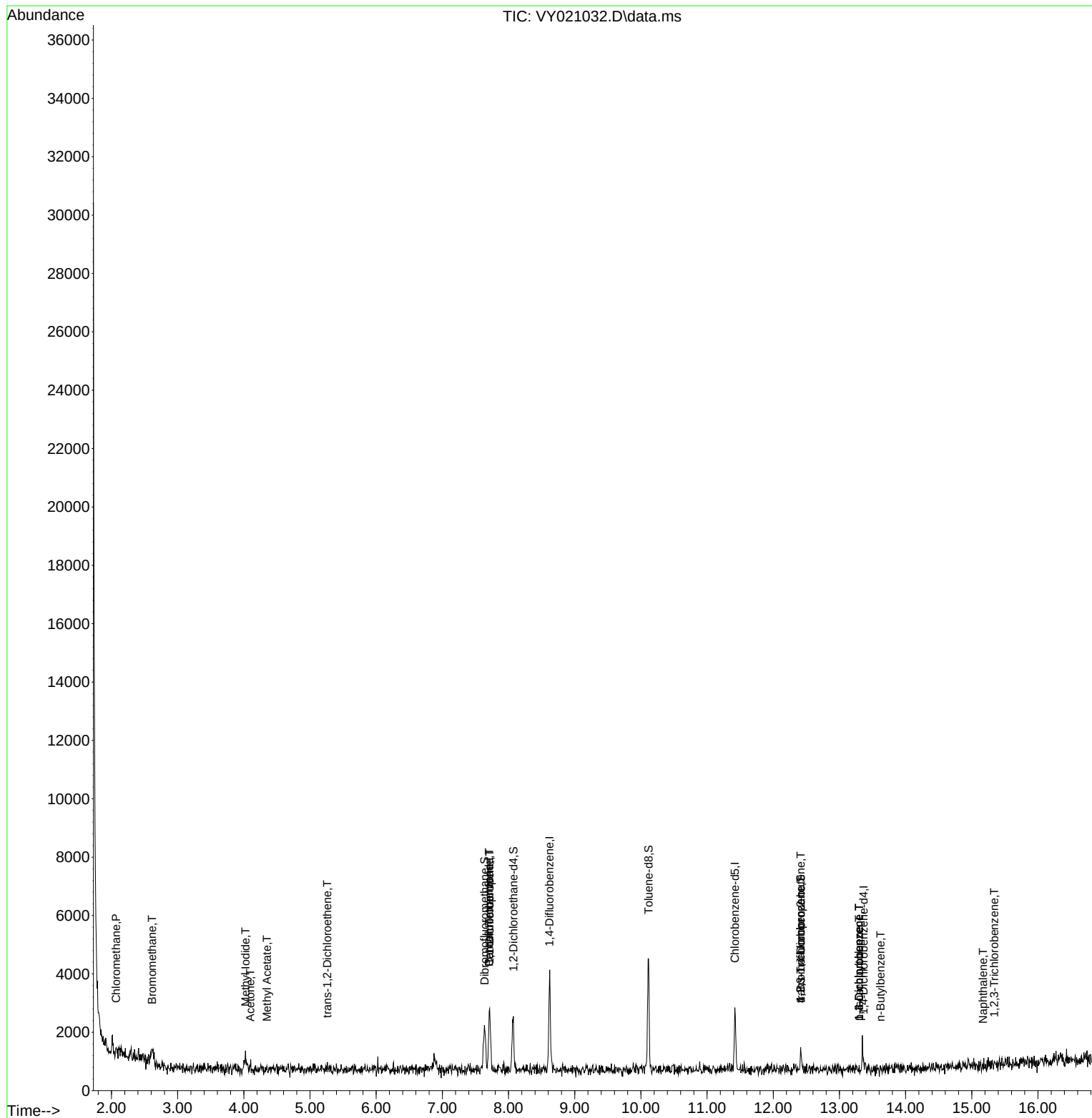
Internal Standards						
1) Pentafluorobenzene	7.707	168	1891	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	3174	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1214	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.365	152	281	50.000	ug/l	# 0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	1397	72.104	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 144.200%	
35) Dibromofluoromethane	7.640	113	1233	60.616	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 121.240%	
50) Toluene-d8	10.115	98	2833	36.583	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 73.160%	
62) 4-Bromofluorobenzene	12.414	95	252	9.961	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 19.920%#	
Target Compounds						Qvalue
3) Chloromethane	2.068	50	189	11.364	ug/l	95
5) Bromomethane	2.610	94	263	25.420	ug/l #	59
10) Methyl Iodide	4.025	142	731	34.376	ug/l #	90
16) Acetone	4.098	43	25	8.274	ug/l #	41
18) Methyl Acetate	4.348	43	21	1.980	ug/l #	51
21) trans-1,2-Dichloroethene	5.262	96	34	1.713	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	108	3.585	ug/l #	42
38) Carbon Tetrachloride	7.707	117	146	4.147	ug/l #	12
76) 1,2,3-Trichloropropane	12.414	75	86	33.738	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	86	68.843	ug/l #	12
86) p-Isopropyltoluene	13.298	119	23	1.189	ug/l #	50
87) 1,3-Dichlorobenzene	13.298	146	22	2.249	ug/l #	25
88) 1,4-Dichlorobenzene	13.298	146	22	2.285	ug/l #	25
89) n-Butylbenzene	13.621	91	41	2.324	ug/l #	33
95) Naphthalene	15.169	128	22	2.910	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.340	180	26	6.612	ug/l #	13

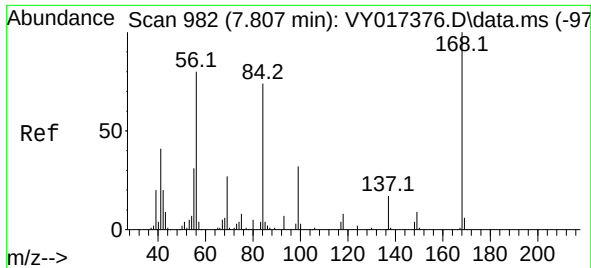
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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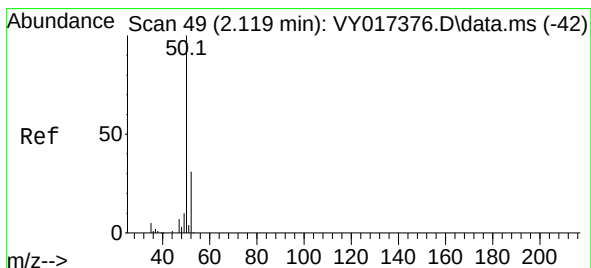
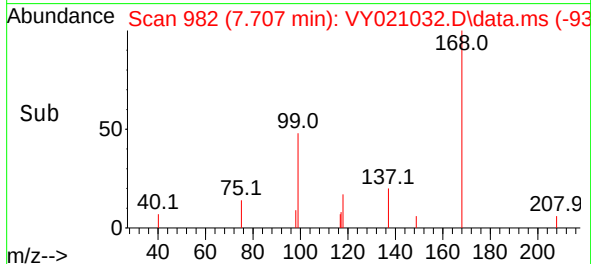
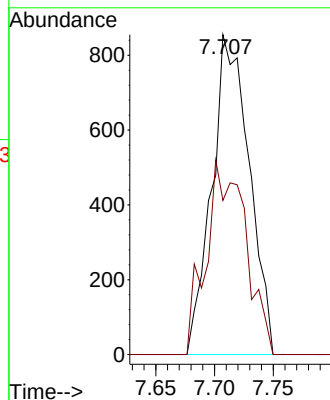
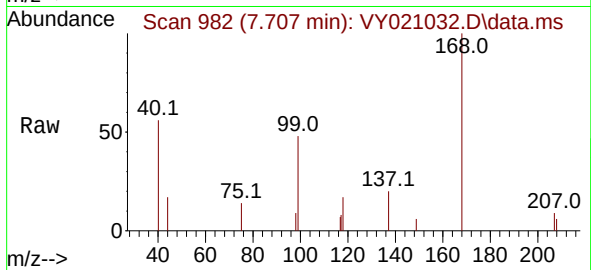




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021032.D
Acq: 03 Feb 2025 16:14

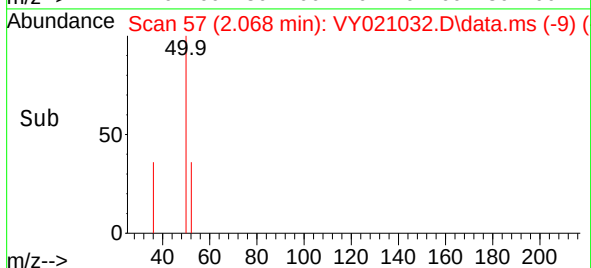
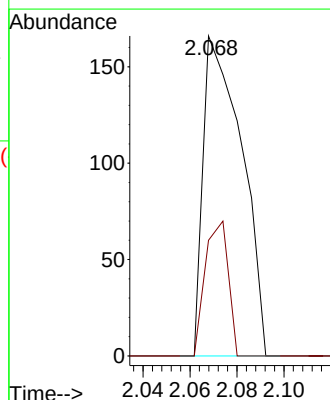
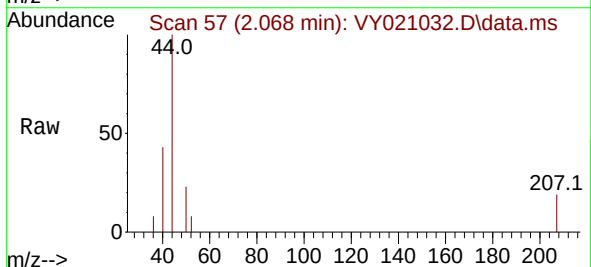
Instrument :
MSVOA_Y
ClientSampleId :

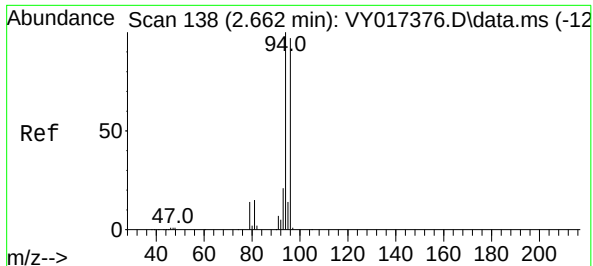
Tgt Ion:168 Resp: 1891
Ion Ratio Lower Upper
168 100
99 48.2 44.2 66.4



#3
Chloromethane
Concen: 11.364 ug/l
RT: 2.068 min Scan# 57
Delta R.T. -0.006 min
Lab File: VY021032.D
Acq: 03 Feb 2025 16:14

Tgt Ion: 50 Resp: 189
Ion Ratio Lower Upper
50 100
52 36.1 26.7 40.1

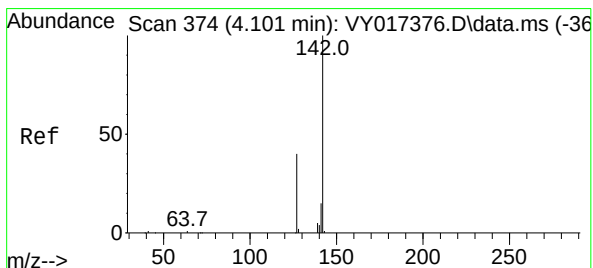
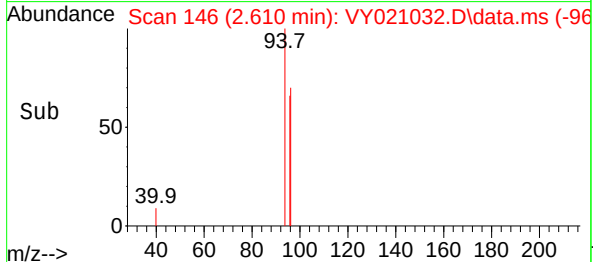
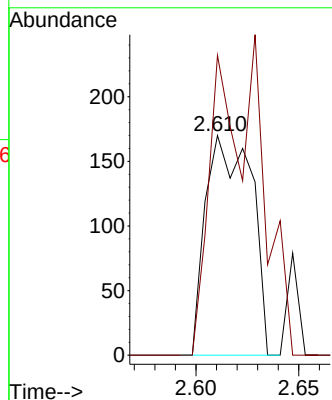
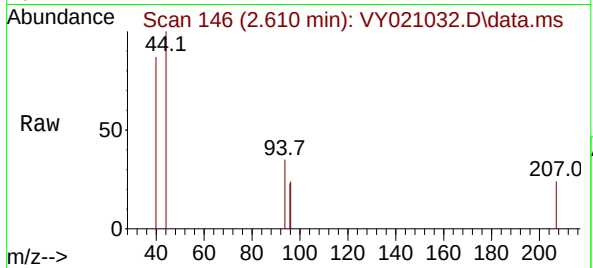




#5
Bromomethane
Concen: 25.420 ug/l
RT: 2.610 min Scan# 146
Delta R.T. 0.006 min
Lab File: VY021032.D
Acq: 03 Feb 2025 16:14

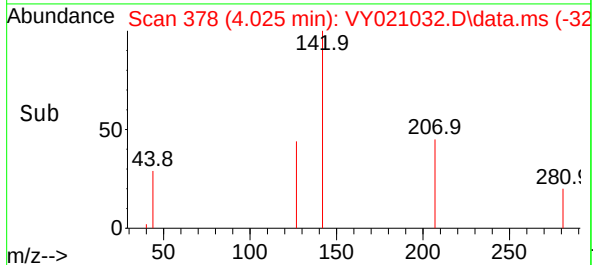
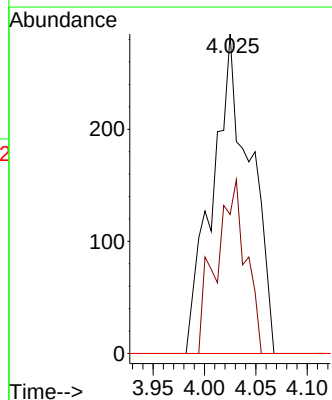
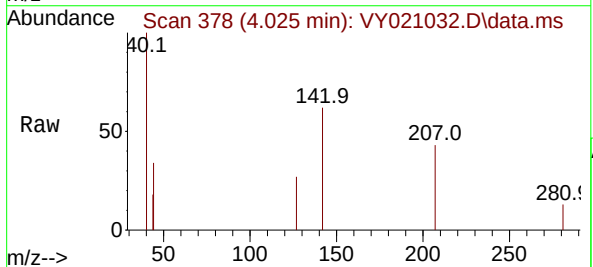
Instrument :
MSVOA_Y
ClientSampleId :

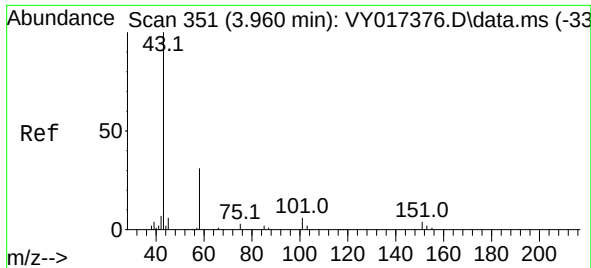
Tgt Ion: 94 Resp: 263
Ion Ratio Lower Upper
94 100
96 136.5 77.3 115.9#



#10
Methyl Iodide
Concen: 34.376 ug/l
RT: 4.025 min Scan# 378
Delta R.T. 0.012 min
Lab File: VY021032.D
Acq: 03 Feb 2025 16:14

Tgt Ion:142 Resp: 731
Ion Ratio Lower Upper
142 100
127 42.8 35.1 52.7
141 0.0 11.8 17.6#

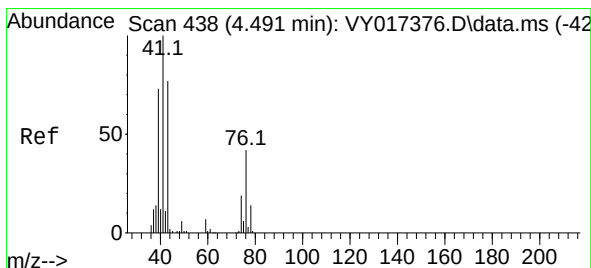
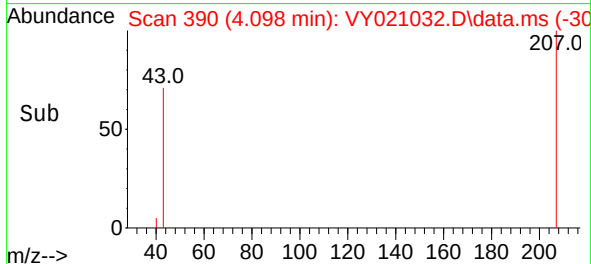
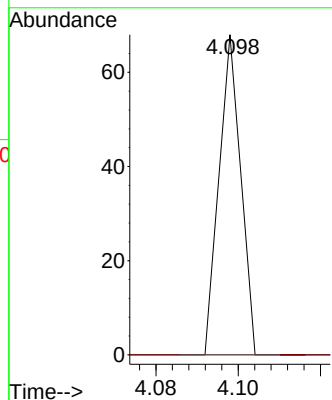
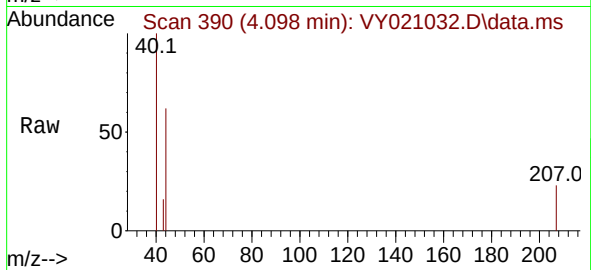




#16
Acetone
Concen: 8.274 ug/l
RT: 4.098 min Scan# 390
Delta R.T. 0.219 min
Lab File: VY021032.D
Acq: 03 Feb 2025 16:14

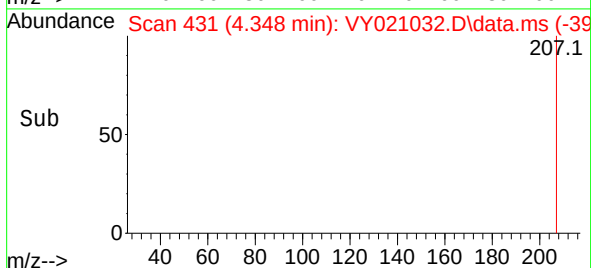
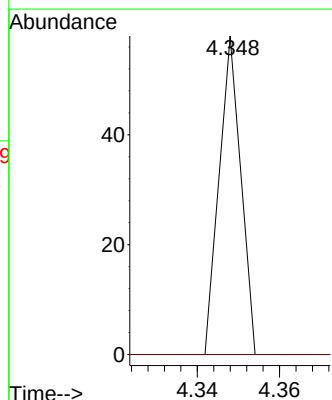
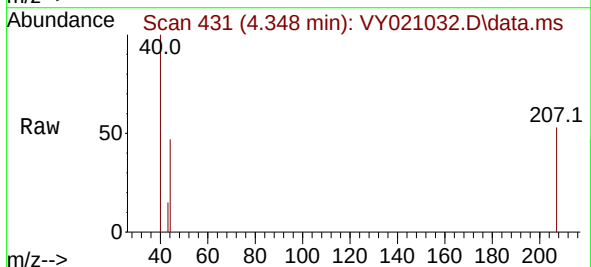
Instrument :
MSVOA_Y
ClientSampleId :

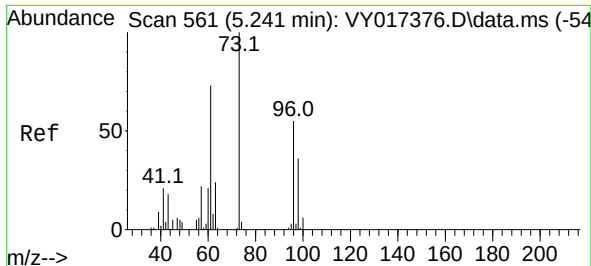
Tgt Ion: 43 Resp: 25
Ion Ratio Lower Upper
43 100
58 0.0 26.6 39.8#



#18
Methyl Acetate
Concen: 1.980 ug/l
RT: 4.348 min Scan# 431
Delta R.T. -0.049 min
Lab File: VY021032.D
Acq: 03 Feb 2025 16:14

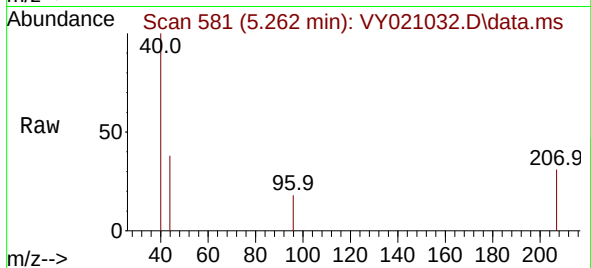
Tgt Ion: 43 Resp: 21
Ion Ratio Lower Upper
43 100
74 0.0 19.8 29.6#



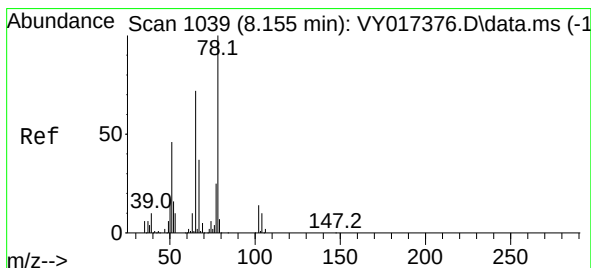
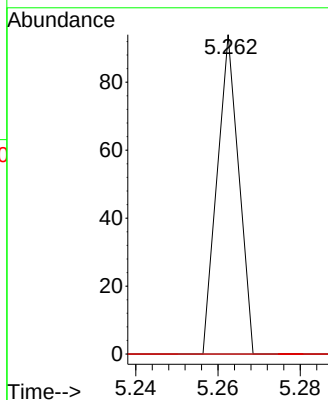
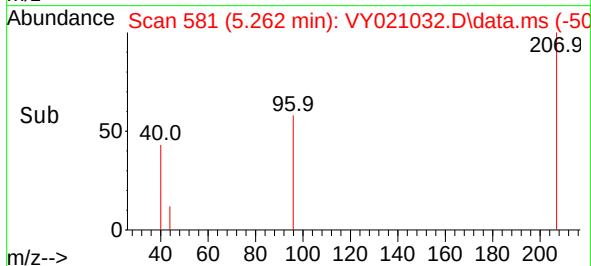


#21
trans-1,2-Dichloroethene
Concen: 1.713 ug/l
RT: 5.262 min Scan# 50
Delta R.T. 0.140 min
Lab File: VY021032.D
Acq: 03 Feb 2025 16:14

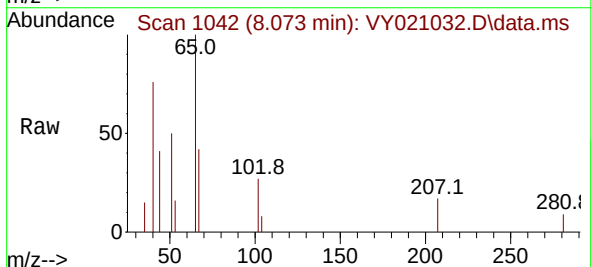
Instrument :
MSVOA_Y
ClientSampleId :



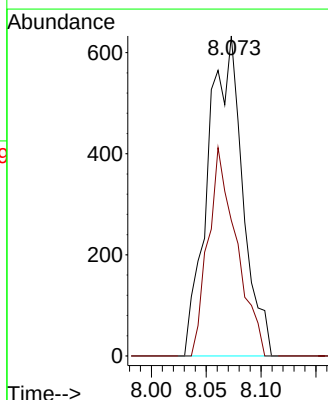
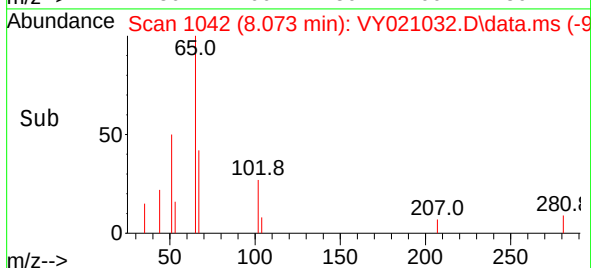
Tgt Ion: 96 Resp: 34
Ion Ratio Lower Upper
96 100
61 0.0 104.6 156.8#
98 0.0 50.9 76.3#

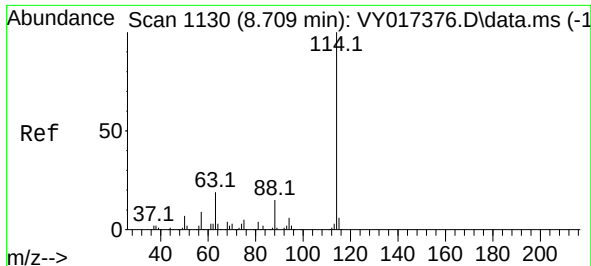


#33
1,2-Dichloroethane-d4
Concen: 72.104 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY021032.D
Acq: 03 Feb 2025 16:14



Tgt Ion: 65 Resp: 1397
Ion Ratio Lower Upper
65 100
67 53.0 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.006 min

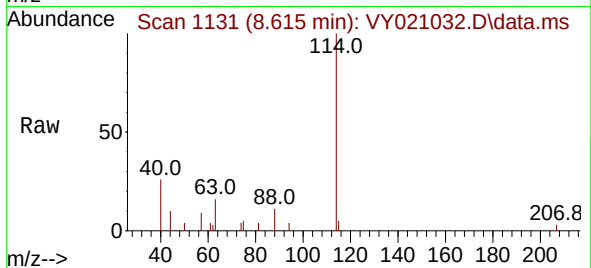
Lab File: VY021032.D

Acq: 03 Feb 2025 16:14

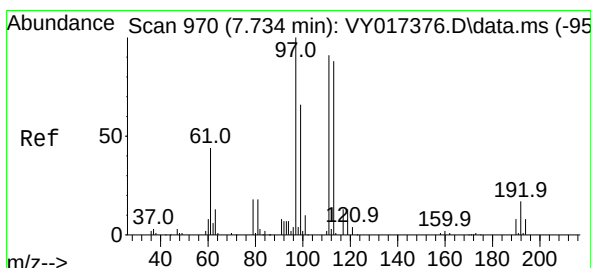
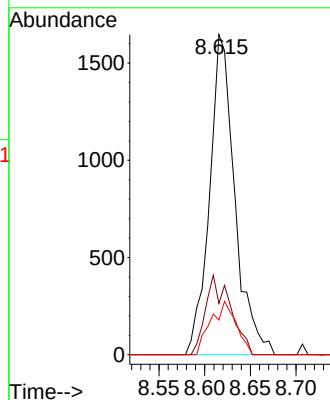
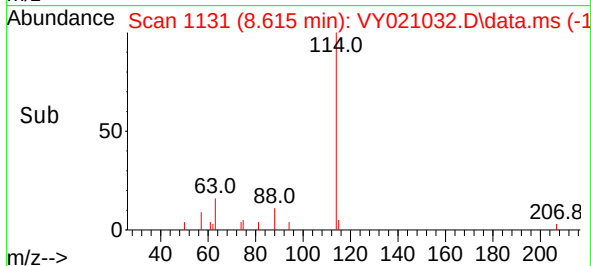
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	114	Resp:	3174
Ion Ratio	Lower	Upper	
114	100		
63	16.0	0.0	37.4
88	10.8	0.0	29.0



#35

Dibromofluoromethane

Concen: 60.616 ug/l

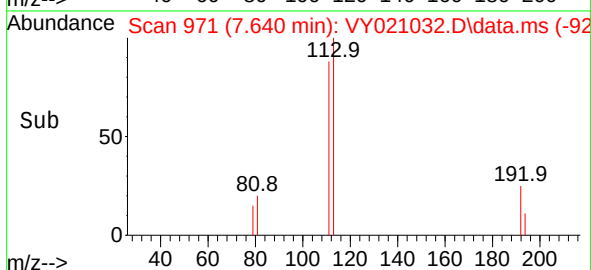
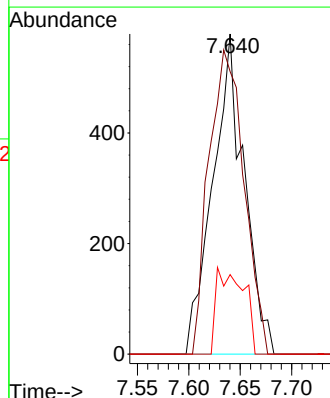
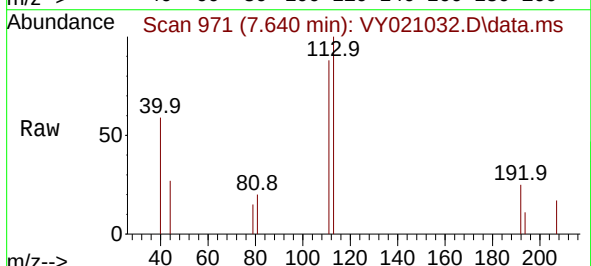
RT: 7.640 min Scan# 971

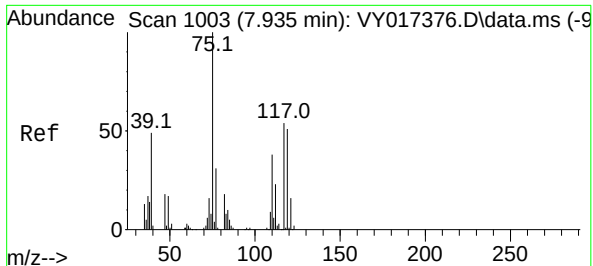
Delta R.T. -0.000 min

Lab File: VY021032.D

Acq: 03 Feb 2025 16:14

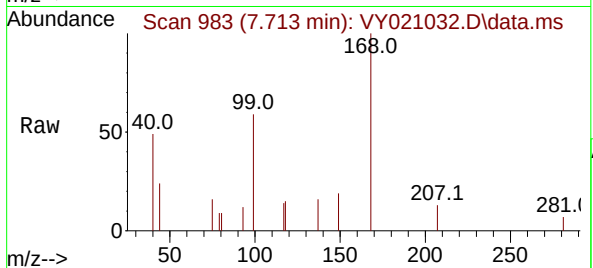
Tgt Ion:	113	Resp:	1233
Ion Ratio	Lower	Upper	
113	100		
111	106.1	83.8	125.6
192	23.4	14.5	21.7



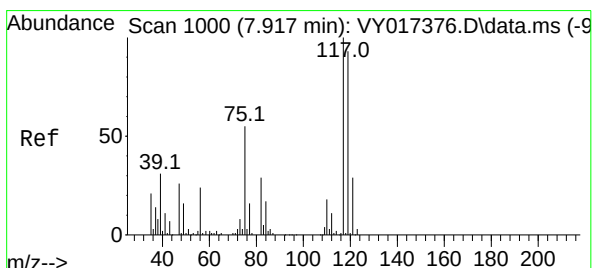
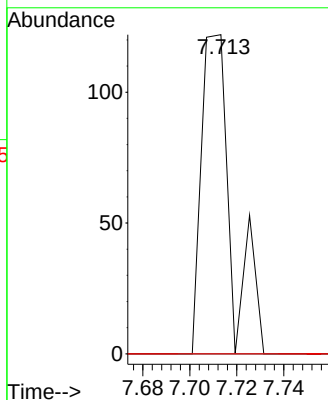
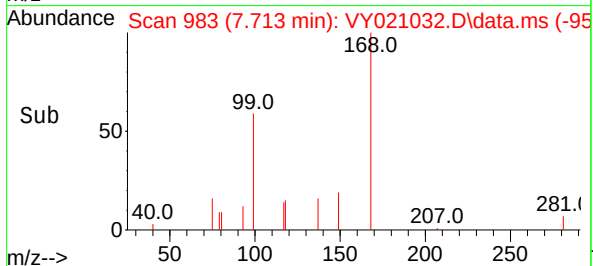


#36
1,1-Dichloropropene
Concen: 3.585 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY021032.D
Acq: 03 Feb 2025 16:14

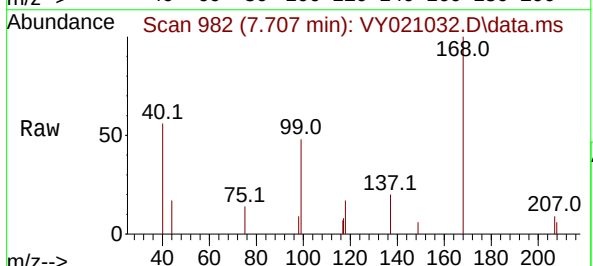
Instrument :
MSVOA_Y
ClientSampleId :



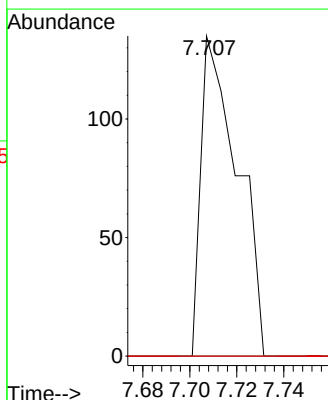
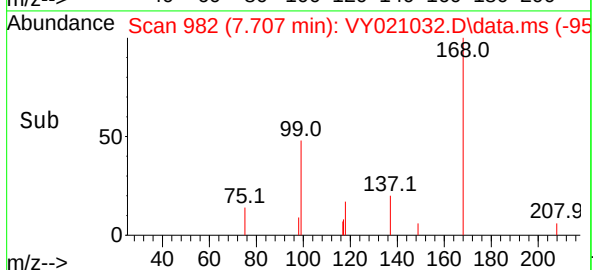
Tgt Ion: 75 Resp: 108
Ion Ratio Lower Upper
75 100
110 0.0 17.4 52.3#
77 0.0 24.7 37.1#

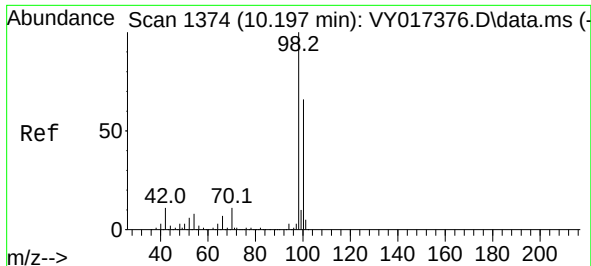


#38
Carbon Tetrachloride
Concen: 4.147 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY021032.D
Acq: 03 Feb 2025 16:14



Tgt Ion: 117 Resp: 146
Ion Ratio Lower Upper
117 100
119 0.0 76.0 114.0#
121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 36.583 ug/l

RT: 10.115 min Scan# 1374

Delta R.T. 0.006 min

Lab File: VY021032.D

Acq: 03 Feb 2025 16:14

Instrument :

MSVOA_Y

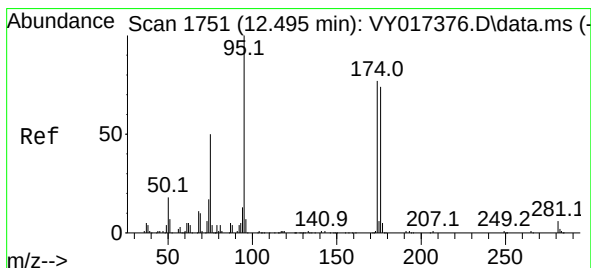
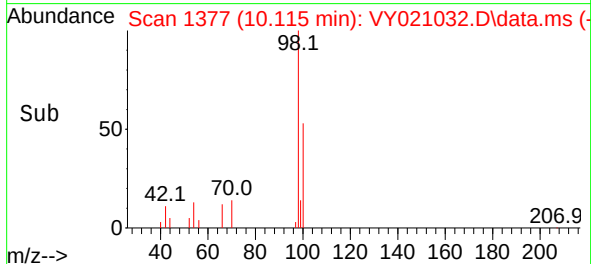
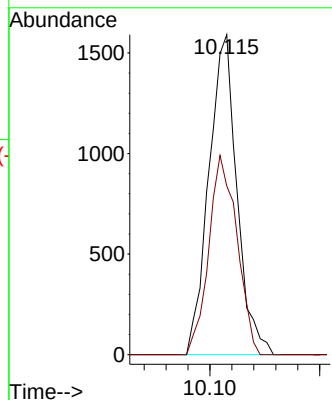
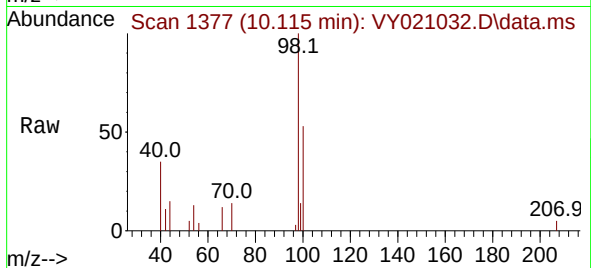
ClientSampleId :

Tgt Ion: 98 Resp: 2833

Ion Ratio Lower Upper

98 100

100 62.4 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 9.961 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. -0.000 min

Lab File: VY021032.D

Acq: 03 Feb 2025 16:14

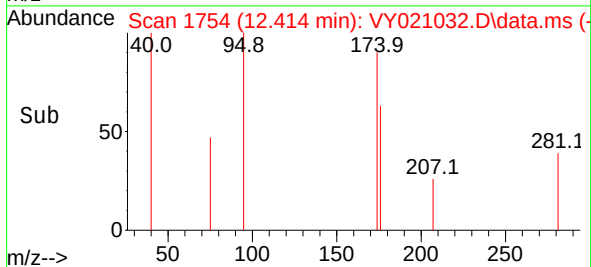
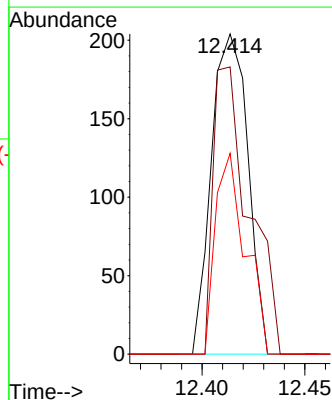
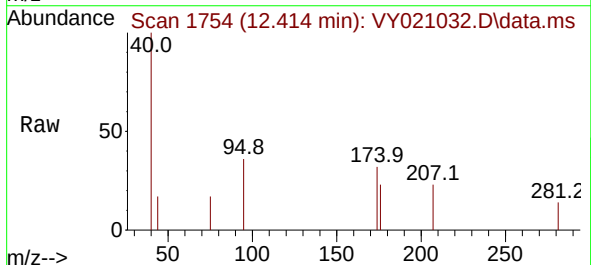
Tgt Ion: 95 Resp: 252

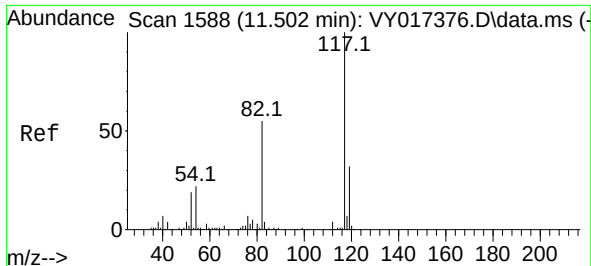
Ion Ratio Lower Upper

95 100

174 88.5 0.0 160.0

176 51.6 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

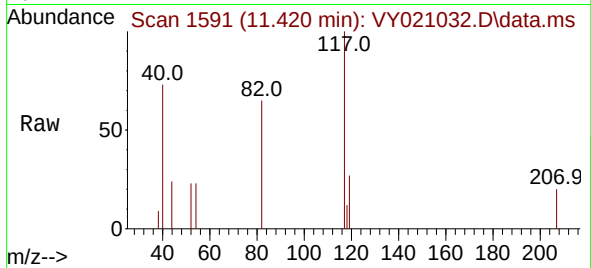
Lab File: VY021032.D

Acq: 03 Feb 2025 16:14

Instrument :

MSVOA_Y

ClientSampleId :



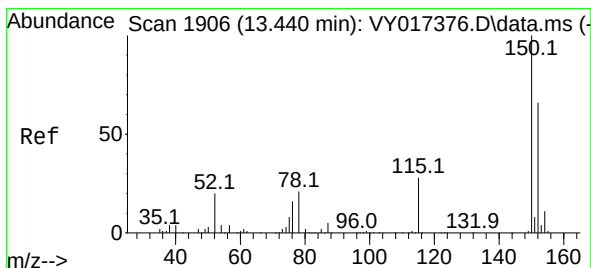
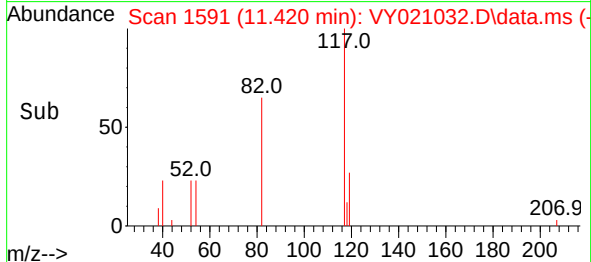
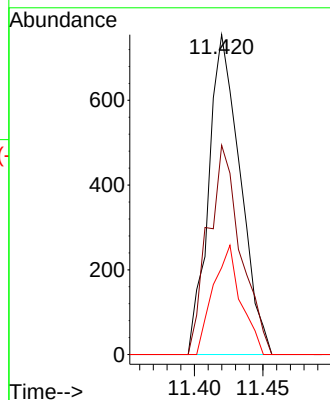
Tgt Ion:117 Resp: 1214

Ion Ratio Lower Upper

117 100

82 65.4 43.8 65.8

119 27.2 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.012 min

Lab File: VY021032.D

Acq: 03 Feb 2025 16:14

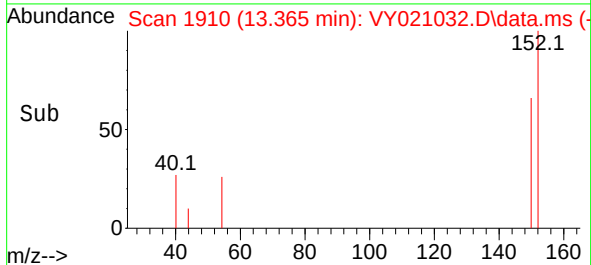
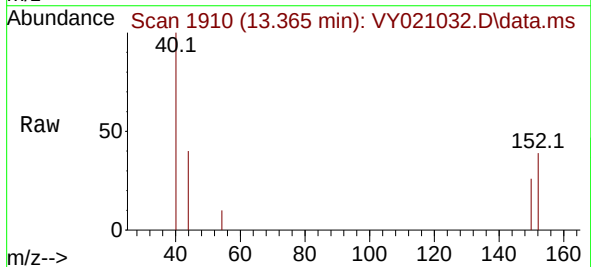
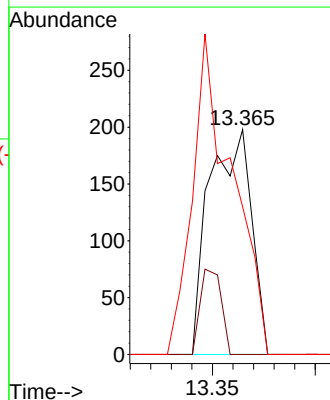
Tgt Ion:152 Resp: 281

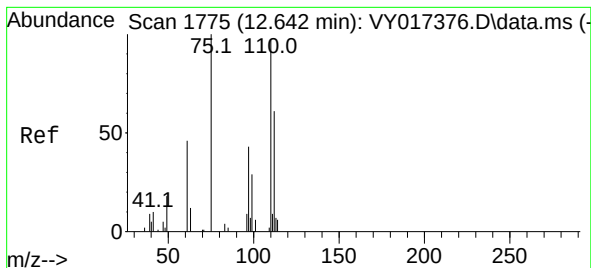
Ion Ratio Lower Upper

152 100

115 18.9 30.0 90.0#

150 133.8 0.0 344.6

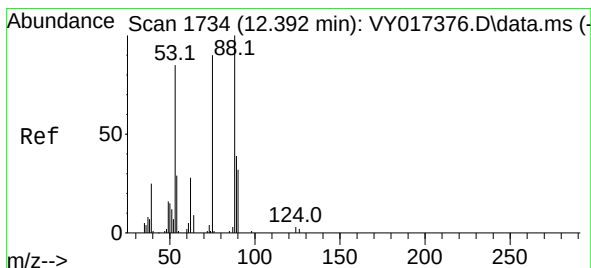
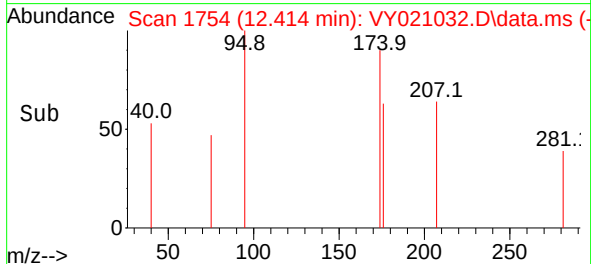
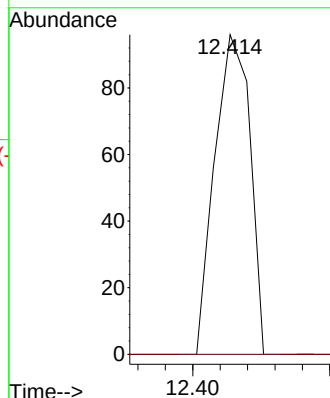
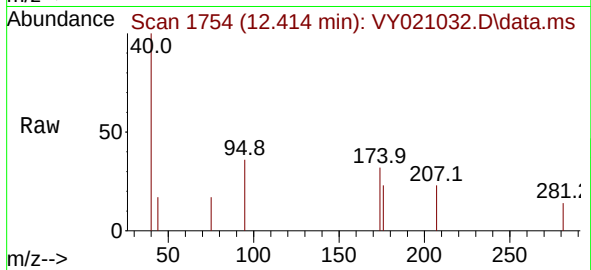




#76
1,2,3-Trichloropropane
Concen: 33.738 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.147 min
Lab File: VY021032.D
Acq: 03 Feb 2025 16:14

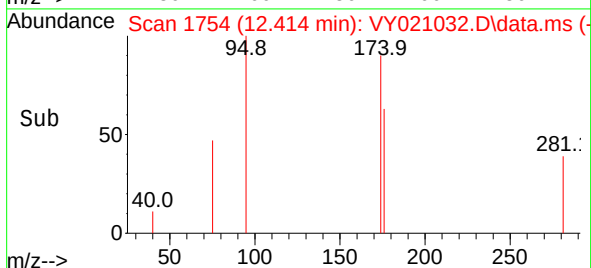
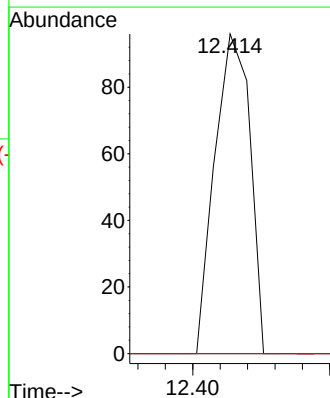
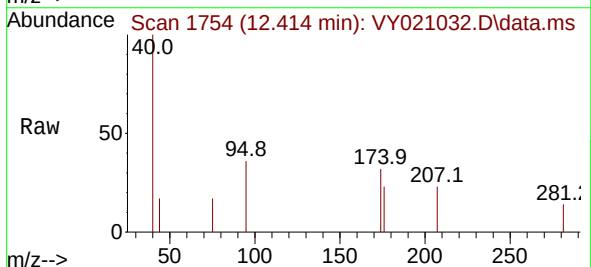
Instrument :
MSVOA_Y
ClientSampleId :

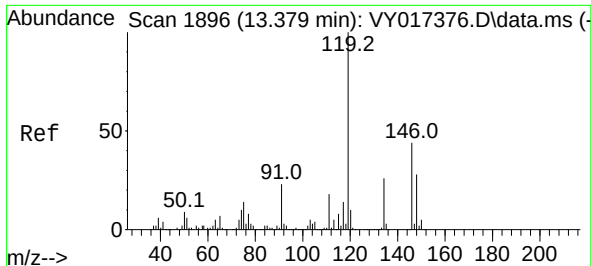
Tgt Ion: 75 Resp: 86
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 68.843 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.103 min
Lab File: VY021032.D
Acq: 03 Feb 2025 16:14

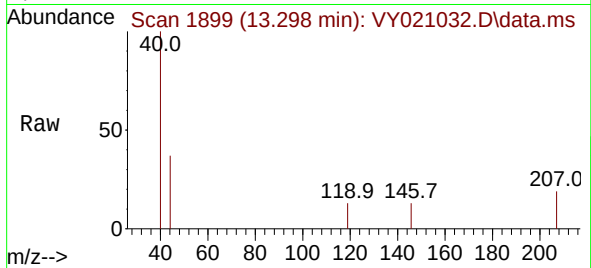
Tgt Ion: 75 Resp: 86
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



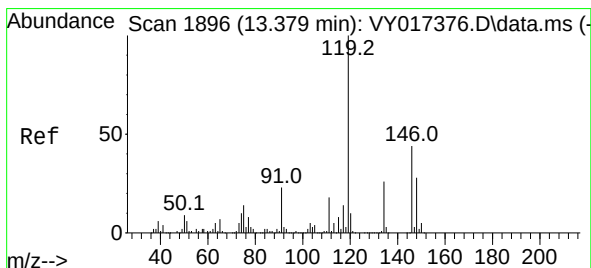
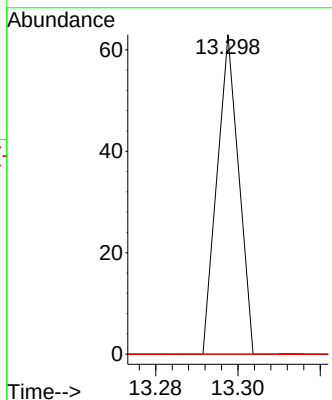
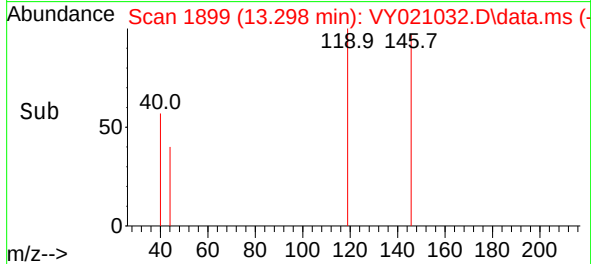


#86
p-Isopropyltoluene
Concen: 1.189 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY021032.D
Acq: 03 Feb 2025 16:14

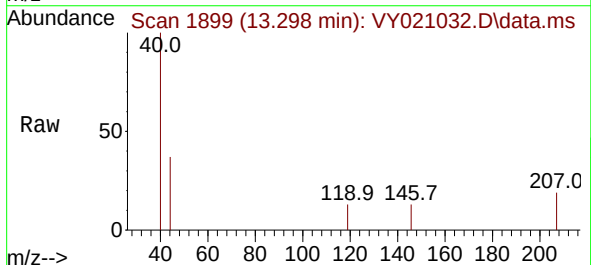
Instrument :
MSVOA_Y
ClientSampleId :



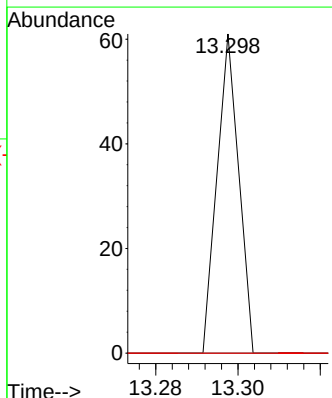
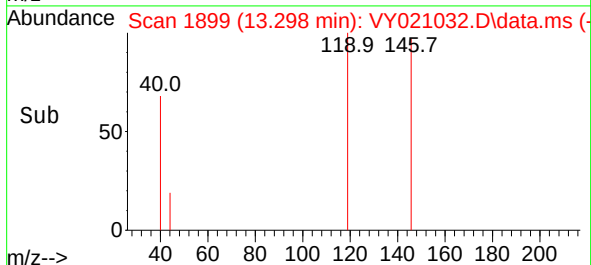
Tgt Ion:119 Resp: 23
Ion Ratio Lower Upper
119 100
134 0.0 13.1 39.1#
91 0.0 11.7 35.0#

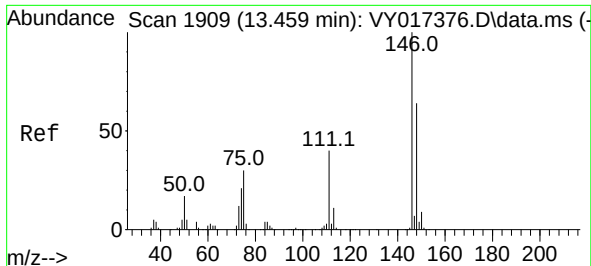


#87
1,3-Dichlorobenzene
Concen: 2.249 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.006 min
Lab File: VY021032.D
Acq: 03 Feb 2025 16:14



Tgt Ion:146 Resp: 22
Ion Ratio Lower Upper
146 100
111 0.0 20.2 60.5#
148 0.0 31.9 95.9#





#88

1,4-Dichlorobenzene

Concen: 2.285 ug/l

RT: 13.298 min Scan# 11

Delta R.T. -0.073 min

Lab File: VY021032.D

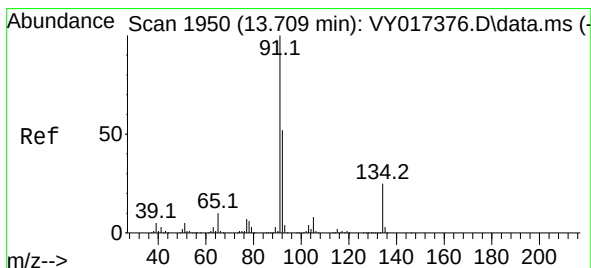
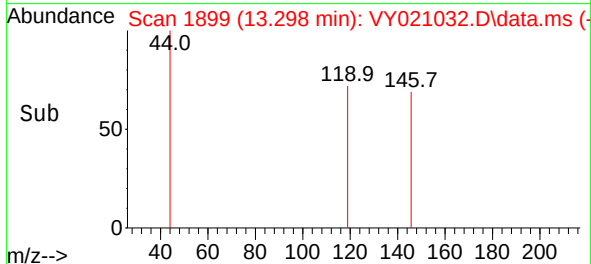
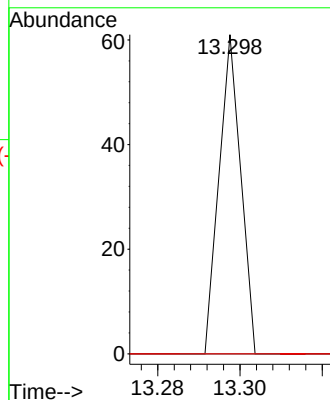
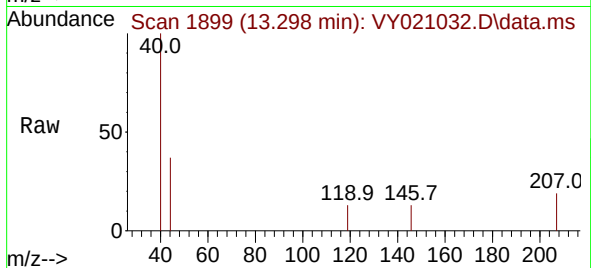
Acq: 03 Feb 2025 16:14

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:146	Resp:	22
Ion	Ratio	Lower Upper
146	100	
111	0.0	19.3 57.9#
148	0.0	31.6 94.7#



#89

n-Butylbenzene

Concen: 2.324 ug/l

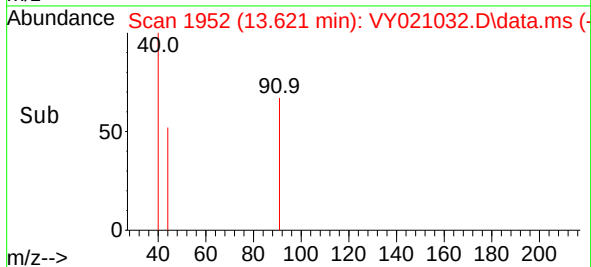
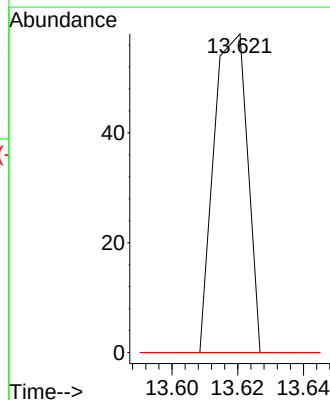
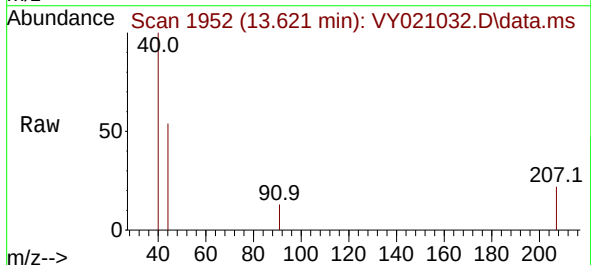
RT: 13.621 min Scan# 1952

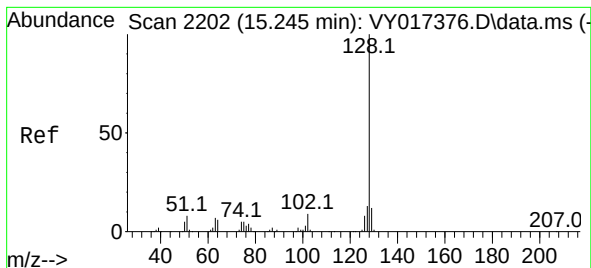
Delta R.T. -0.000 min

Lab File: VY021032.D

Acq: 03 Feb 2025 16:14

Tgt Ion: 91	Resp:	41
Ion	Ratio	Lower Upper
91	100	
92	0.0	26.4 79.2#
134	0.0	12.3 36.8#





#95

Naphthalene

Concen: 2.910 ug/l

RT: 15.169 min Scan# 2206

Delta R.T. 0.018 min

Lab File: VY021032.D

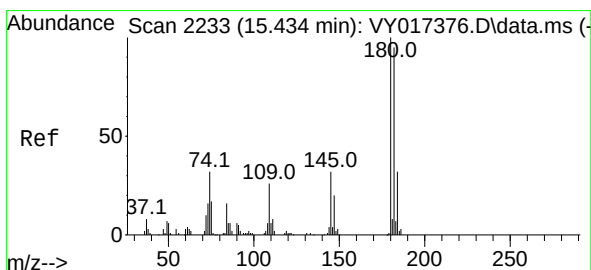
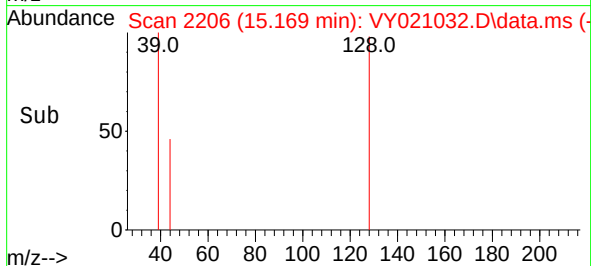
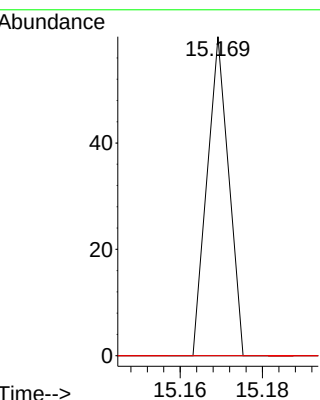
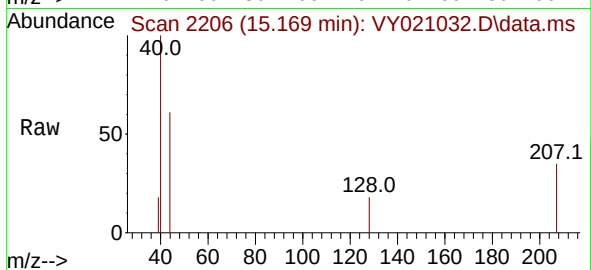
Acq: 03 Feb 2025 16:14

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:128	Resp:	22
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.2 15.4#
129	0.0	8.6 12.8#



#96

1,2,3-Trichlorobenzene

Concen: 6.612 ug/l

RT: 15.340 min Scan# 2234

Delta R.T. 0.006 min

Lab File: VY021032.D

Acq: 03 Feb 2025 16:14

Tgt Ion:180	Resp:	26
Ion Ratio	Lower	Upper
180	100	
182	0.0	46.3 138.8#
145	0.0	16.1 48.2#

