

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021325\
 Data File : VY021191.D
 Acq On : 13 Feb 2025 12:32
 Operator : SY/MD
 Sample : Q1353-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 14 00:44:41 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	14046	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	18581	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	11770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	2301	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	5454	37.898	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	75.800%
35) Dibromofluoromethane	7.640	113	5830	48.959	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.920%
50) Toluene-d8	10.115	98	19966	44.042	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.080%
62) 4-Bromofluorobenzene	12.414	95	3356	22.660	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	45.320%

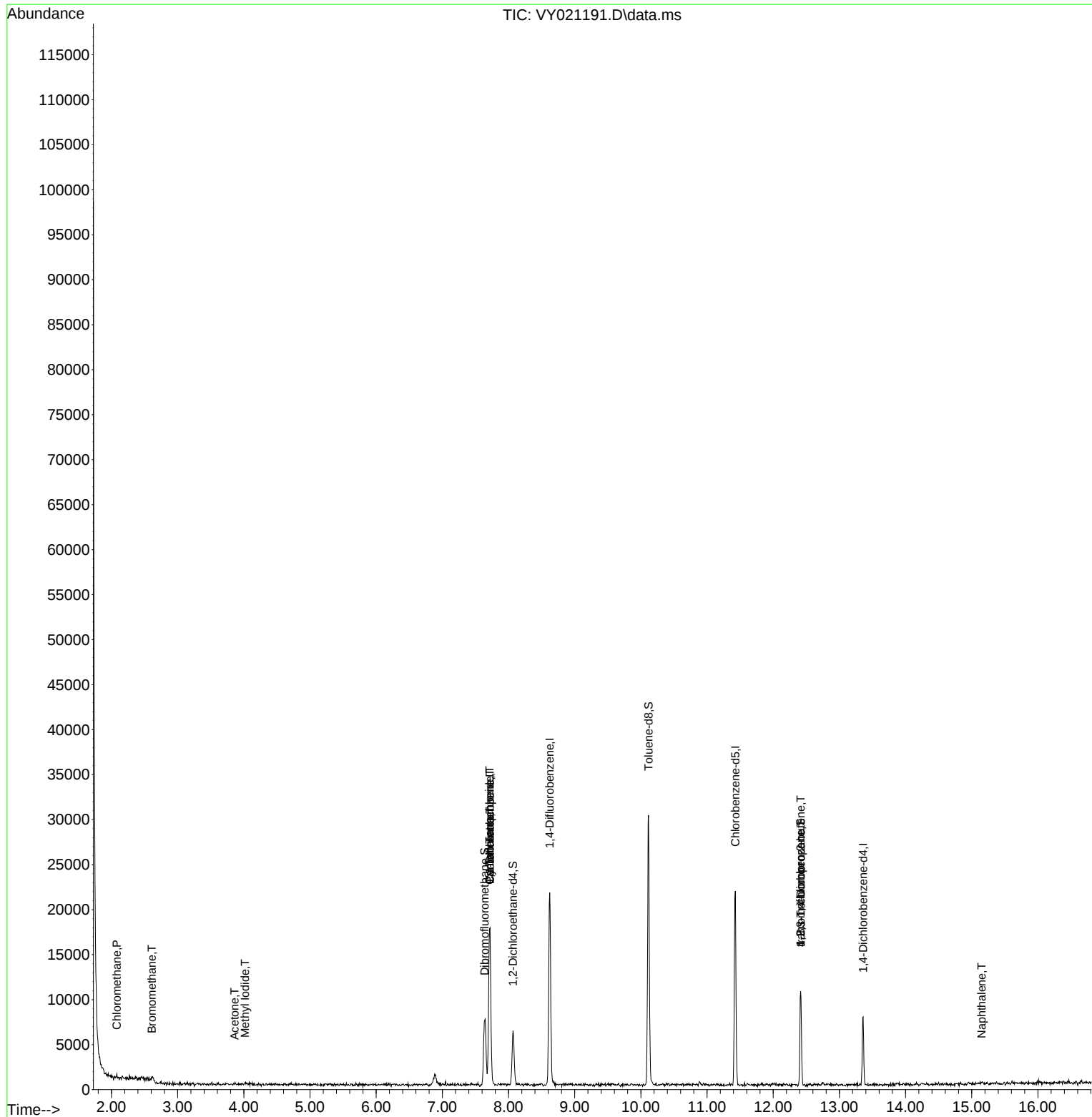
Target Compounds					Qvalue	
3) Chloromethane	2.080	50	185	1.498	ug/l #	41
5) Bromomethane	2.611	94	191	2.485	ug/l #	73
10) Methyl Iodide	4.019	142	183	1.159	ug/l #	60
16) Acetone	3.860	43	72	3.208	ug/l #	41
31) Cyclohexane	7.719	56	324	1.320	ug/l #	37
36) 1,1-Dichloropropene	7.719	75	1136	6.441	ug/l #	42
38) Carbon Tetrachloride	7.713	117	1497	7.264	ug/l #	12
76) 1,2,3-Trichloropropane	12.414	75	1961	93.950	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	1961	191.702	ug/l #	12
95) Naphthalene	15.151	128	433	6.995	ug/l #	69

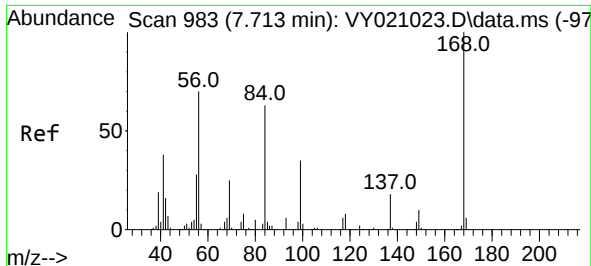
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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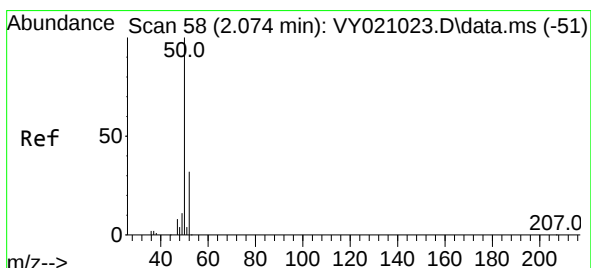
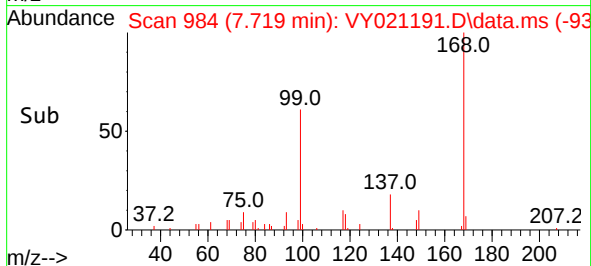
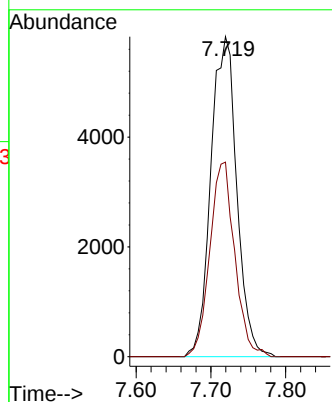
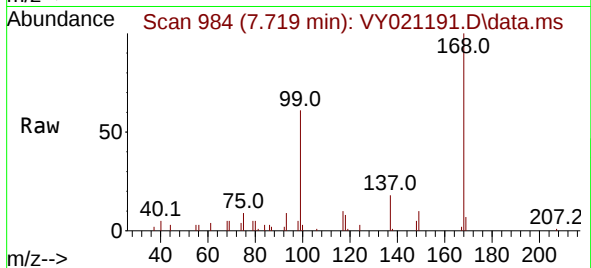




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021191.D
Acq: 13 Feb 2025 12:32

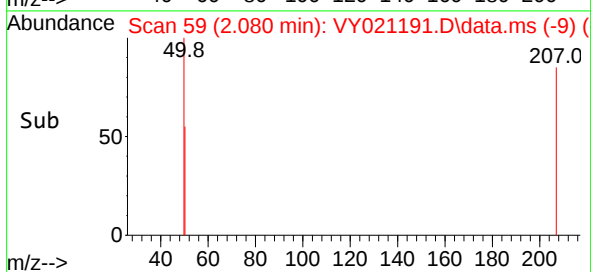
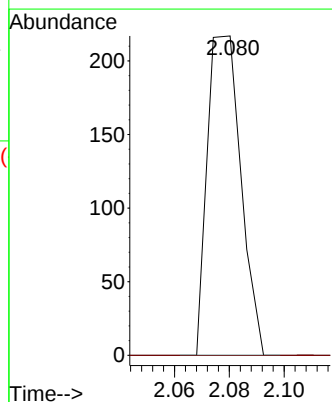
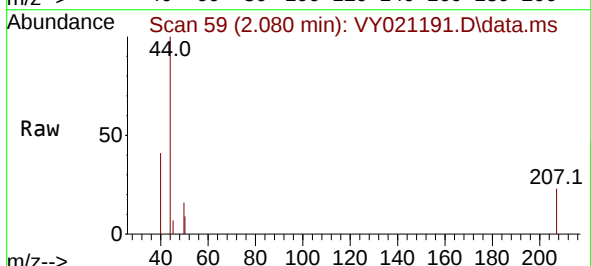
Instrument :
MSVOA_Y
ClientSampleId :

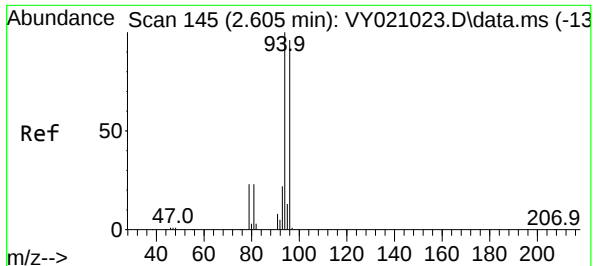
Tgt Ion:168 Resp: 14046
Ion Ratio Lower Upper
168 100
99 60.8 44.2 66.4



#3
Chloromethane
Concen: 1.498 ug/l
RT: 2.080 min Scan# 59
Delta R.T. 0.006 min
Lab File: VY021191.D
Acq: 13 Feb 2025 12:32

Tgt Ion: 50 Resp: 185
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#

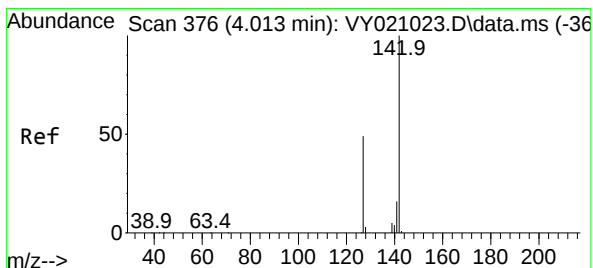
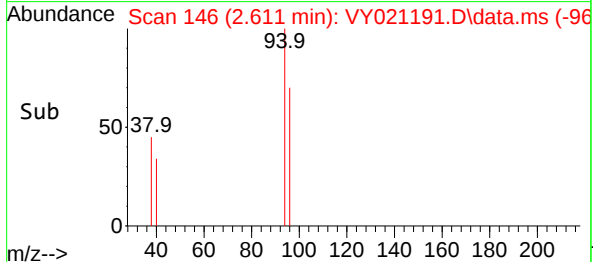
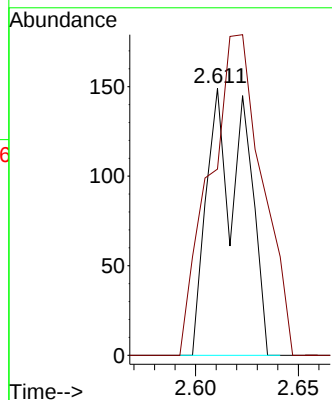
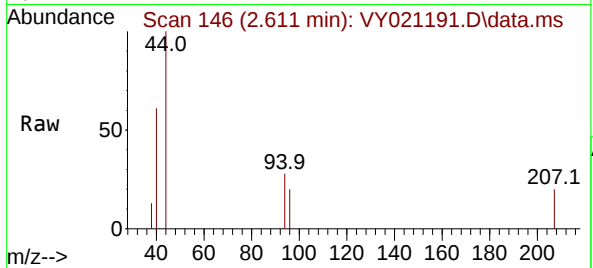




#5
Bromomethane
Concen: 2.485 ug/l
RT: 2.611 min Scan# 145
Delta R.T. 0.006 min
Lab File: VY021191.D
Acq: 13 Feb 2025 12:32

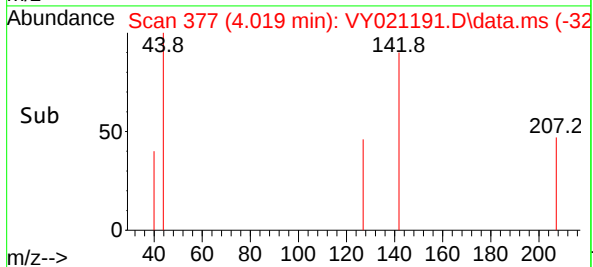
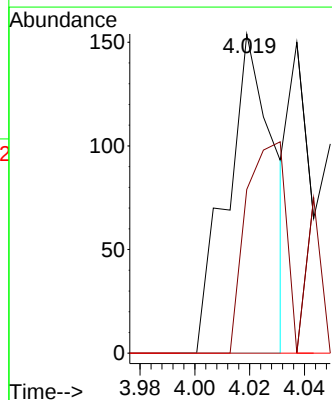
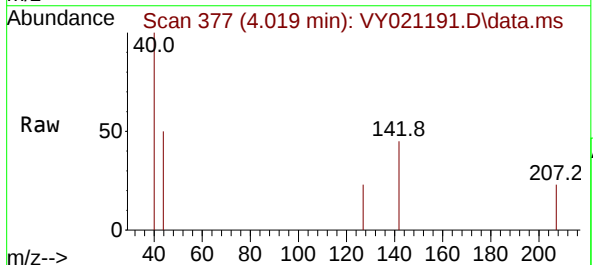
Instrument :
MSVOA_Y
ClientSampleId :

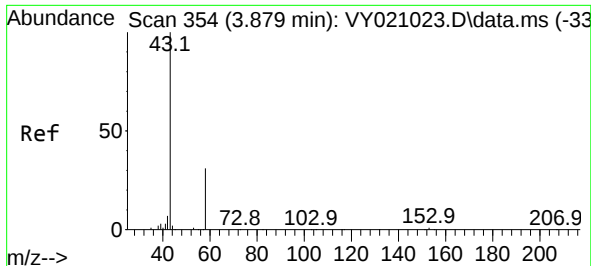
Tgt Ion: 94 Resp: 191
Ion Ratio Lower Upper
94 100
96 69.8 77.3 115.9#



#10
Methyl Iodide
Concen: 1.159 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.006 min
Lab File: VY021191.D
Acq: 13 Feb 2025 12:32

Tgt Ion:142 Resp: 183
Ion Ratio Lower Upper
142 100
127 70.5 35.1 52.7#
141 0.0 11.8 17.6#

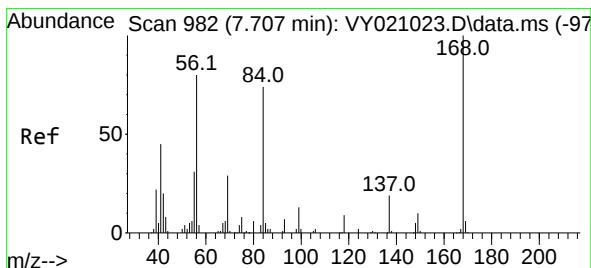
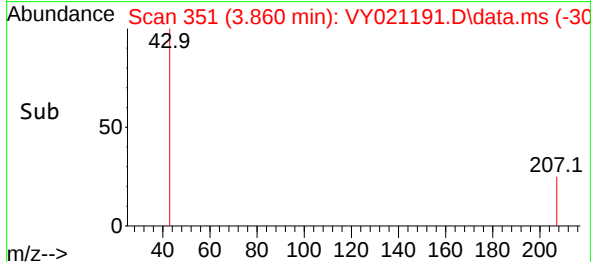
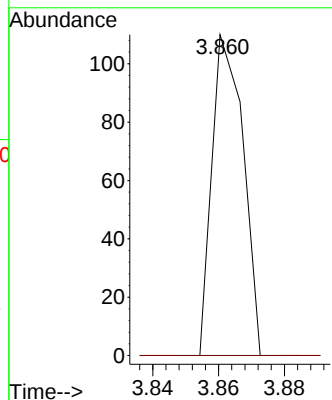
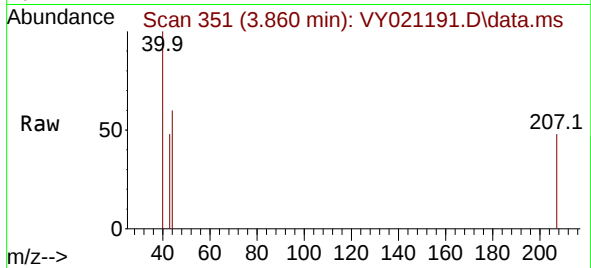




#16
Acetone
Concen: 3.208 ug/l
RT: 3.860 min Scan# 31
Delta R.T. -0.018 min
Lab File: VY021191.D
Acq: 13 Feb 2025 12:32

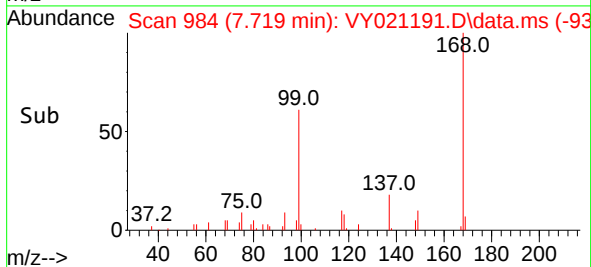
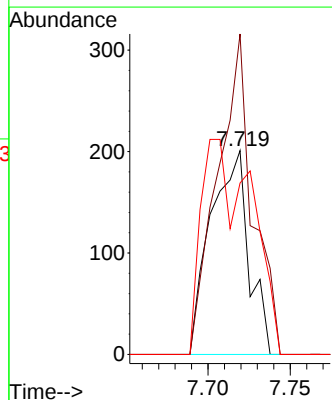
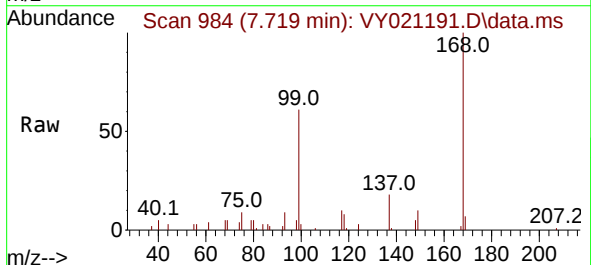
Instrument :
MSVOA_Y
ClientSampleId :

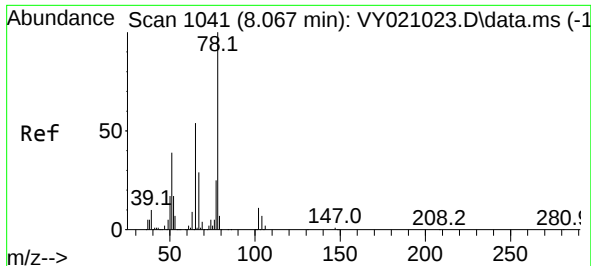
Tgt Ion: 43 Resp: 72
Ion Ratio Lower Upper
43 100
58 0.0 26.6 39.8#



#31
Cyclohexane
Concen: 1.320 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.012 min
Lab File: VY021191.D
Acq: 13 Feb 2025 12:32

Tgt Ion: 56 Resp: 324
Ion Ratio Lower Upper
56 100
69 157.2 27.0 40.6#
84 84.1 71.8 107.6





#33

1,2-Dichloroethane-d4

Concen: 37.898 ug/l

RT: 8.067 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VY021191.D

Acq: 13 Feb 2025 12:32

Instrument :

MSVOA_Y

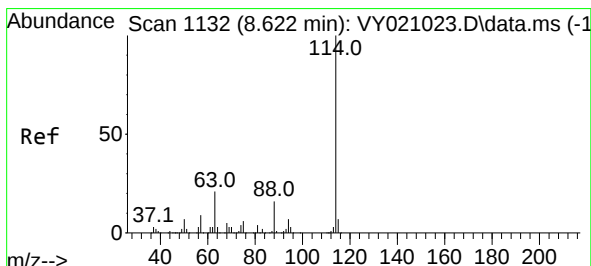
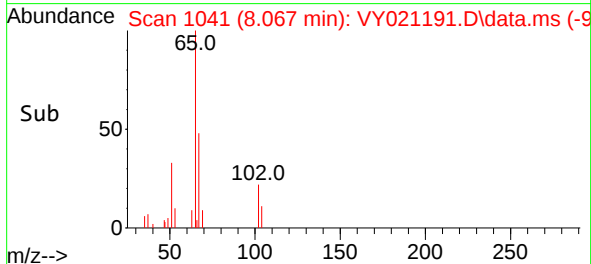
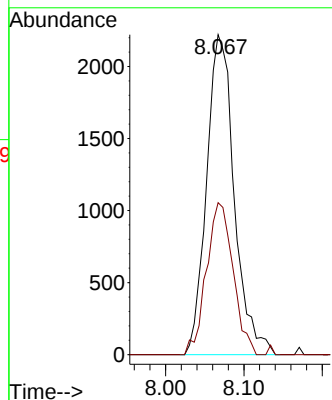
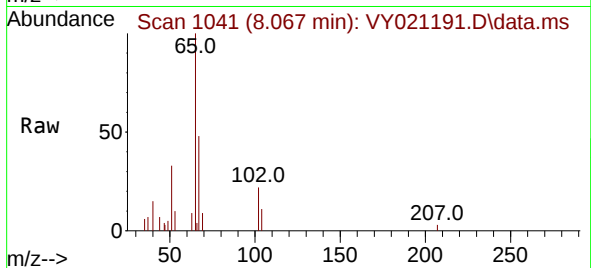
ClientSampleId :

Tgt Ion: 65 Resp: 5454

Ion Ratio Lower Upper

65 100

67 45.6 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: VY021191.D

Acq: 13 Feb 2025 12:32

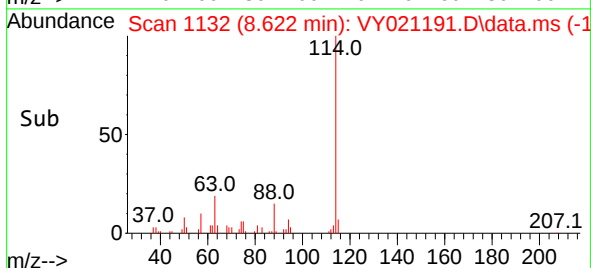
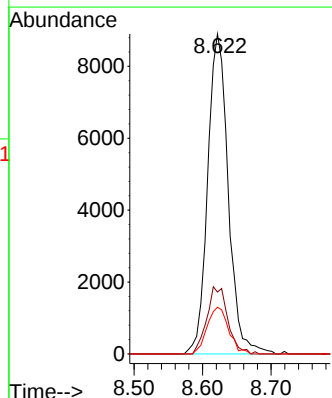
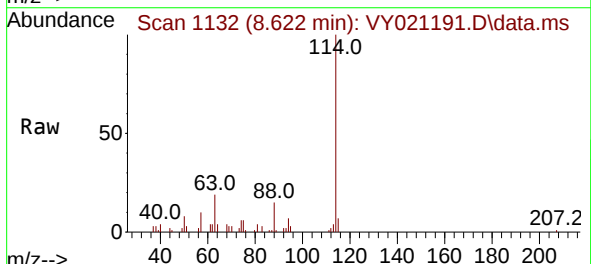
Tgt Ion: 114 Resp: 18581

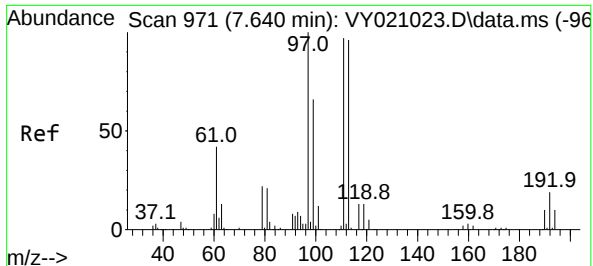
Ion Ratio Lower Upper

114 100

63 19.4 0.0 37.4

88 14.6 0.0 29.0





#35

Dibromofluoromethane

Concen: 48.959 ug/l

RT: 7.640 min Scan# 91

Delta R.T. -0.000 min

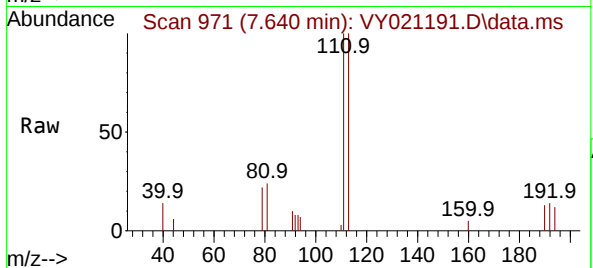
Lab File: VY021191.D

Acq: 13 Feb 2025 12:32

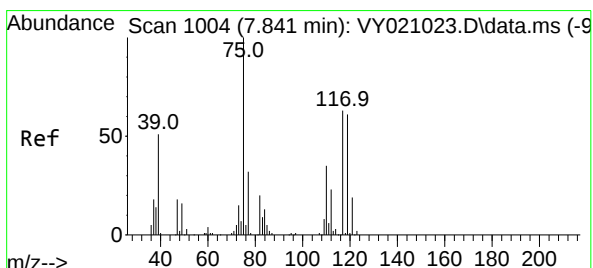
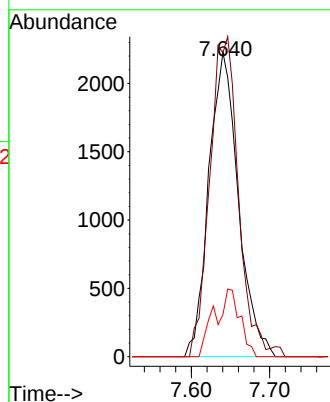
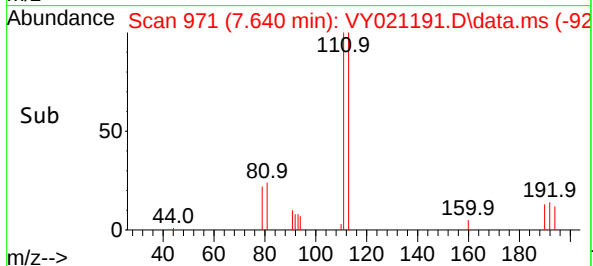
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	113	Resp:	5830
Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.8	125.6
192	12.8	14.5	21.7#



#36

1,1-Dichloropropene

Concen: 6.441 ug/l

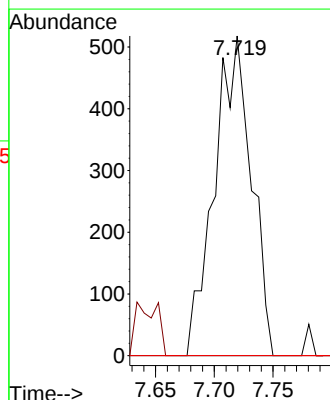
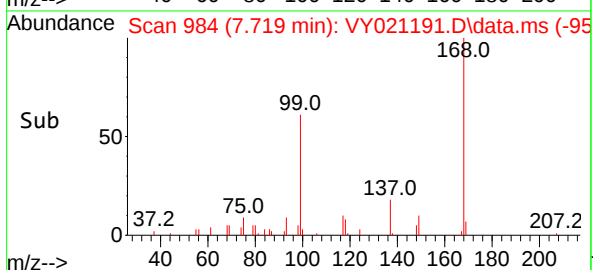
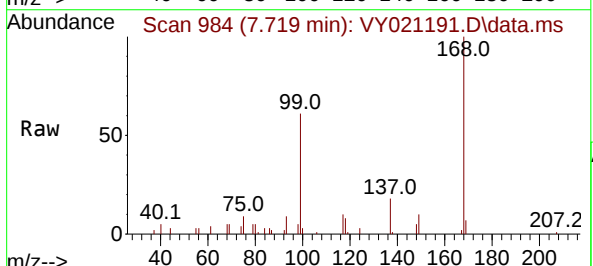
RT: 7.719 min Scan# 984

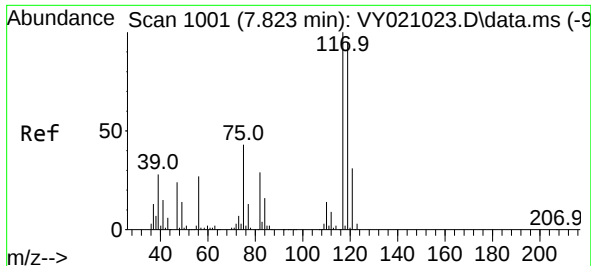
Delta R.T. -0.122 min

Lab File: VY021191.D

Acq: 13 Feb 2025 12:32

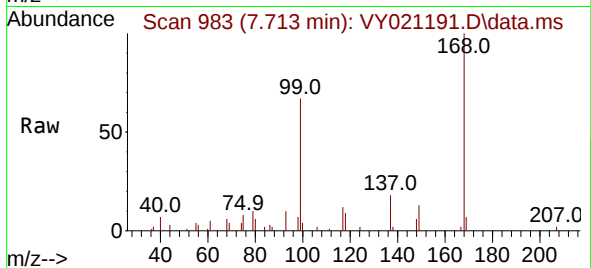
Tgt Ion:	75	Resp:	1136
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.4	52.3#
77	0.0	24.7	37.1#



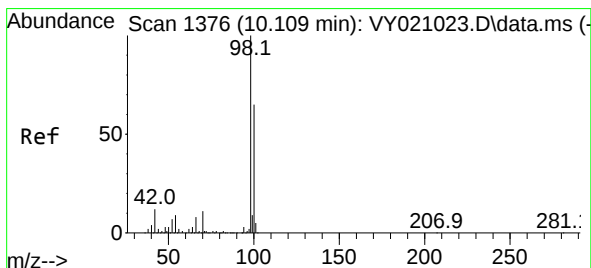
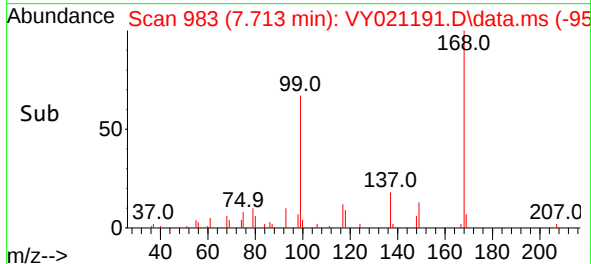
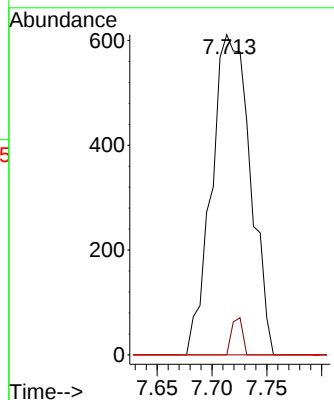


#38
Carbon Tetrachloride
Concen: 7.264 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY021191.D
Acq: 13 Feb 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :

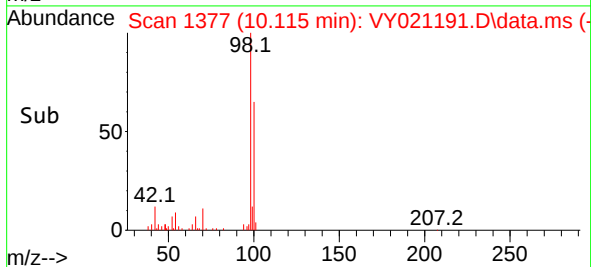
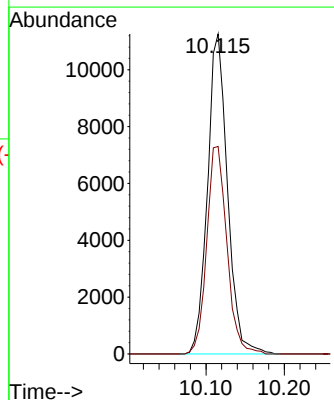
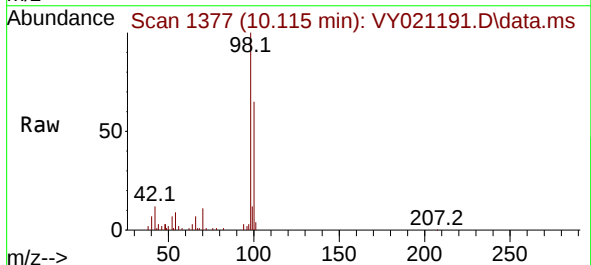


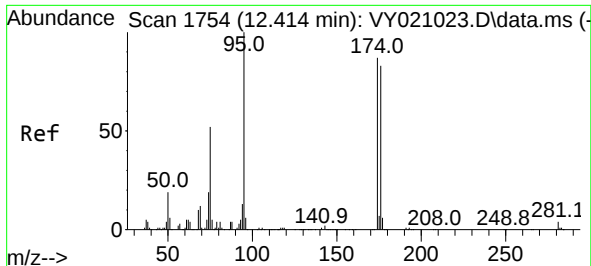
Tgt Ion:117 Resp: 1497
Ion Ratio Lower Upper
117 100
119 0.0 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 44.042 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021191.D
Acq: 13 Feb 2025 12:32

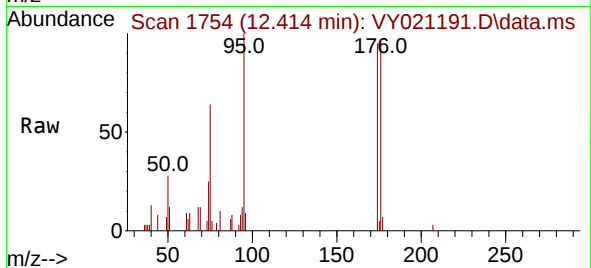
Tgt Ion: 98 Resp: 19966
Ion Ratio Lower Upper
98 100
100 65.3 52.3 78.5



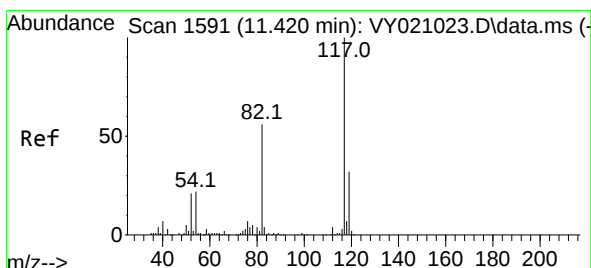
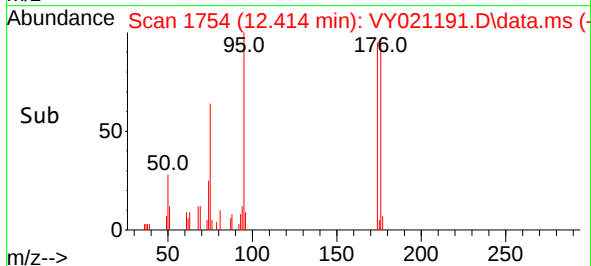
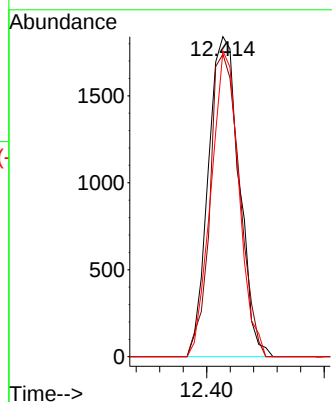


#62
4-Bromofluorobenzene
Concen: 22.660 ug/l
RT: 12.414 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021191.D
Acq: 13 Feb 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :

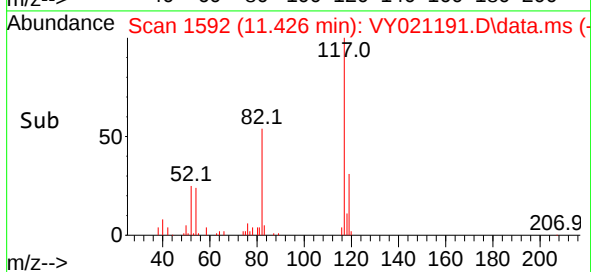
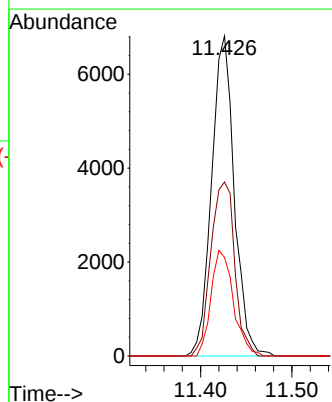
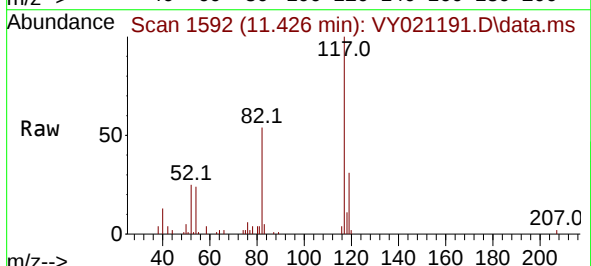


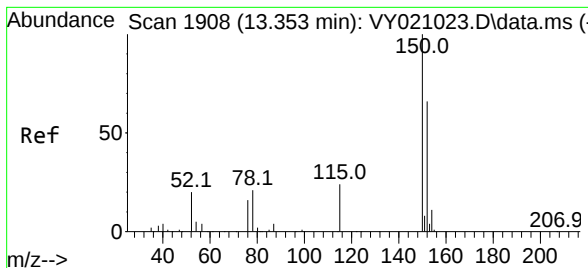
Tgt Ion:	95	Resp:	3356
Ion	Ratio	Lower	Upper
95	100		
174	90.6	0.0	160.0
176	86.9	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. 0.006 min
Lab File: VY021191.D
Acq: 13 Feb 2025 12:32

Tgt Ion:	117	Resp:	11770
Ion	Ratio	Lower	Upper
117	100		
82	54.4	43.8	65.8
119	30.8	26.5	39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.359 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY021191.D

Acq: 13 Feb 2025 12:32

Instrument :

MSVOA_Y

ClientSampleId :

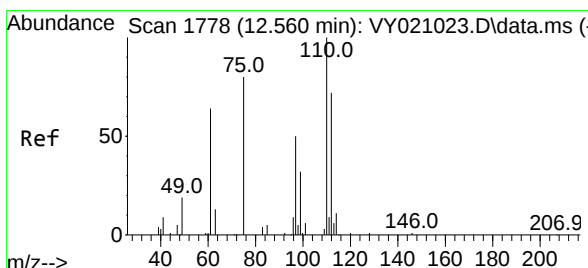
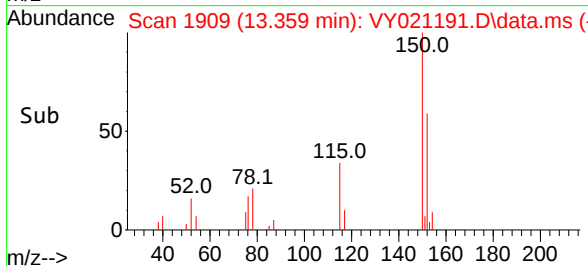
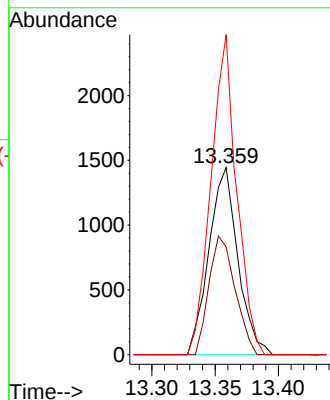
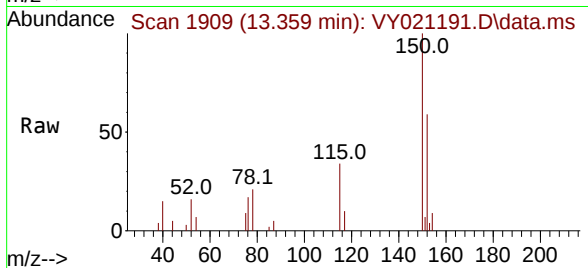
Tgt Ion:152 Resp: 2301

Ion Ratio Lower Upper

152 100

115 57.1 30.0 90.0

150 151.6 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 93.950 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. -0.146 min

Lab File: VY021191.D

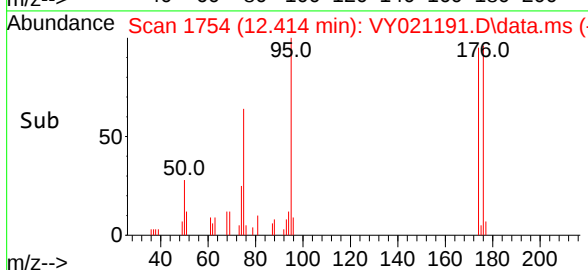
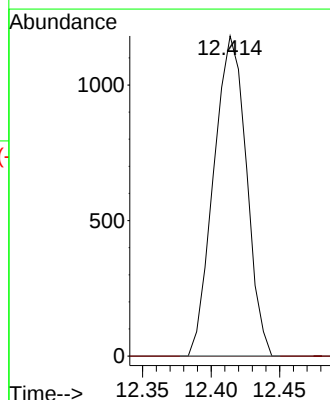
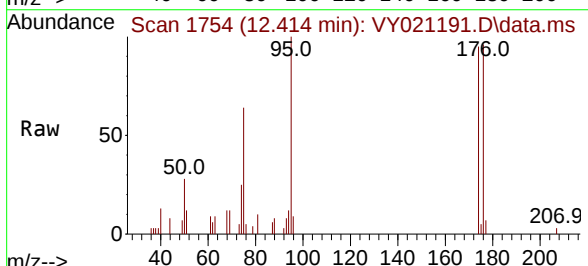
Acq: 13 Feb 2025 12:32

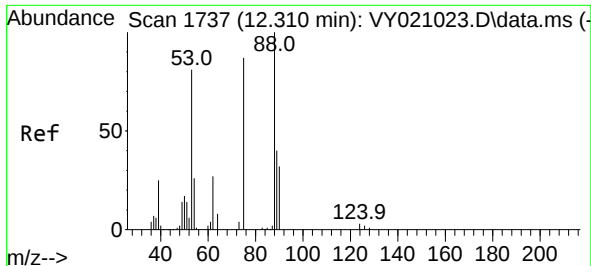
Tgt Ion: 75 Resp: 1961

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

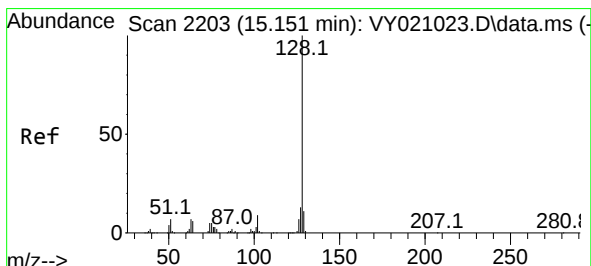
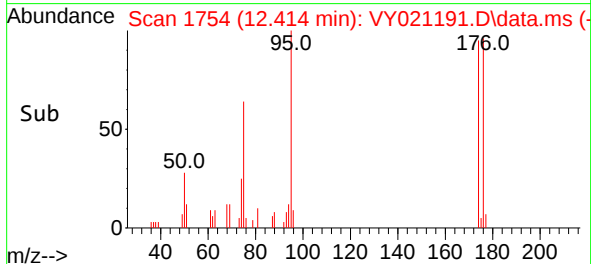
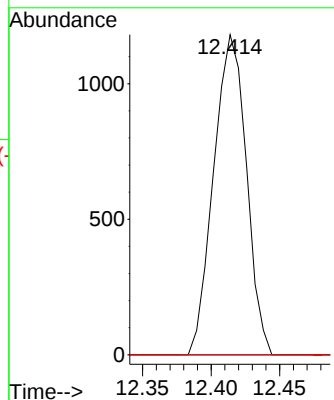
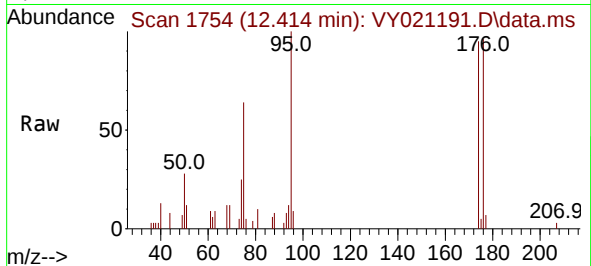




#81
trans-1,4-Dichloro-2-butene
Concen: 191.702 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.104 min
Lab File: VY021191.D
Acq: 13 Feb 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 1961
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#95
Naphthalene
Concen: 6.995 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. -0.000 min
Lab File: VY021191.D
Acq: 13 Feb 2025 12:32

Tgt Ion: 128 Resp: 433
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 12.8#

