

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021725\
 Data File : VY021222.D
 Acq On : 17 Feb 2025 15:15
 Operator : SY/MD
 Sample : Q1374-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 18 00:48:33 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)

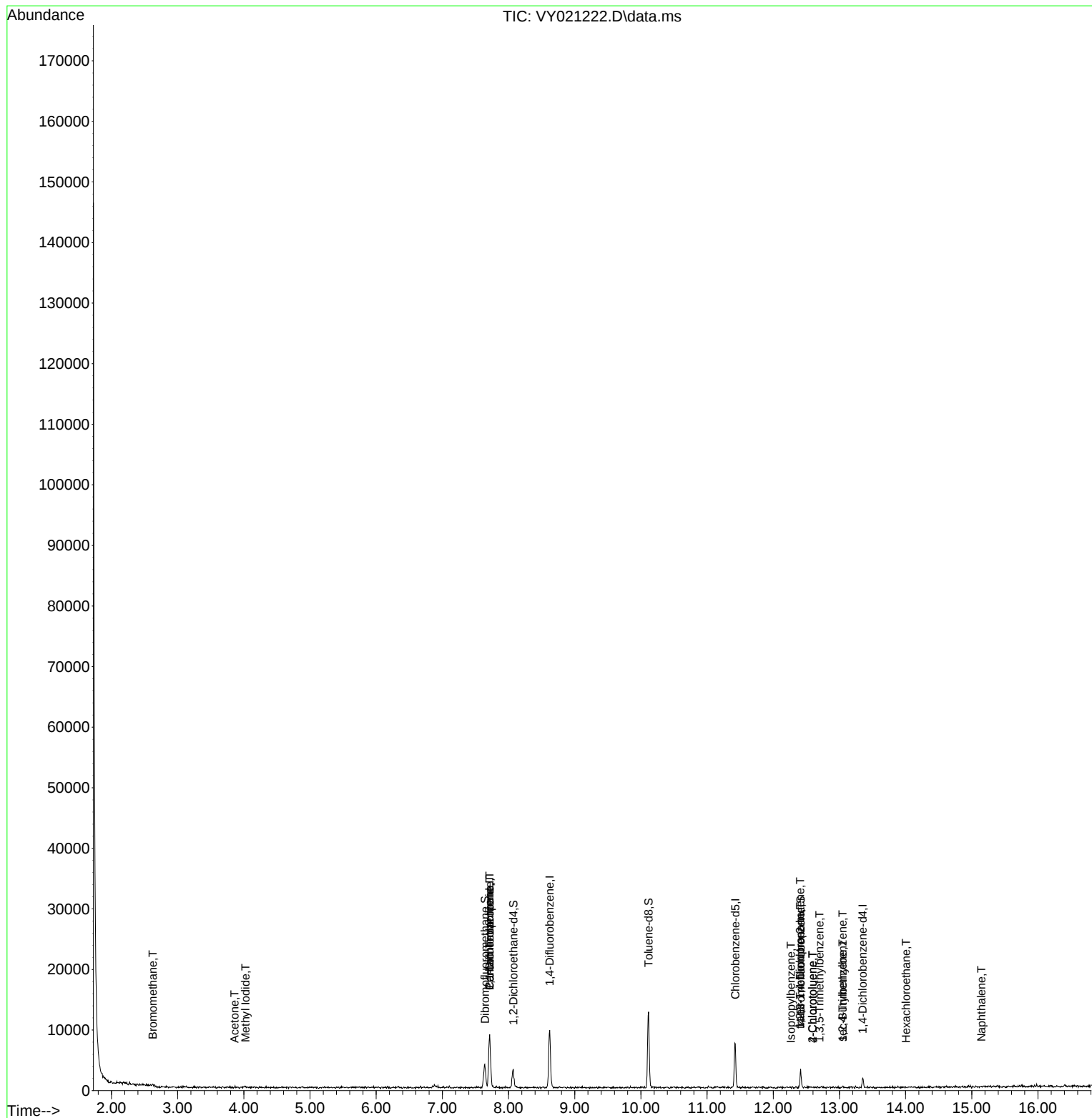
Internal Standards						
1) Pentafluorobenzene	7.713	168	6778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	8200	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	4417	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	565	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	2585	37.223	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	74.440%
35) Dibromofluoromethane	7.646	113	2686	51.112	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.220%
50) Toluene-d8	10.115	98	8493	42.451	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	84.900%
62) 4-Bromofluorobenzene	12.414	95	929	14.213	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	28.420%#
Target Compounds						
					Qvalue	
5) Bromomethane	2.623	94	102	2.750	ug/l	96
10) Methyl Iodide	4.025	142	151	1.981	ug/l #	40
16) Acetone	3.860	43	53	4.894	ug/l #	41
36) 1,1-Dichloropropene	7.713	75	556	7.143	ug/l #	42
38) Carbon Tetrachloride	7.713	117	683	7.510	ug/l #	12
73) Isopropylbenzene	12.267	105	60	1.359	ug/l #	49
76) 1,2,3-Trichloropropane	12.408	75	611	119.214	ug/l #	100
79) 2-Chlorotoluene	12.597	91	51	1.694	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.700	105	36	1.006	ug/l #	29
81) trans-1,4-Dichloro-2-b...	12.408	75	611	243.253	ug/l #	12
82) 4-Chlorotoluene	12.597	91	51	1.662	ug/l #	41
84) 1,2,4-Trimethylbenzene	13.048	105	210	6.002	ug/l #	48
85) sec-Butylbenzene	13.048	105	210	4.485	ug/l #	57
90) Hexachloroethane	14.005	117	40	4.930	ug/l #	17
95) Naphthalene	15.145	128	25	1.645	ug/l #	69

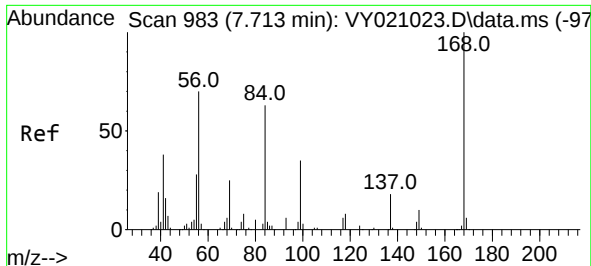
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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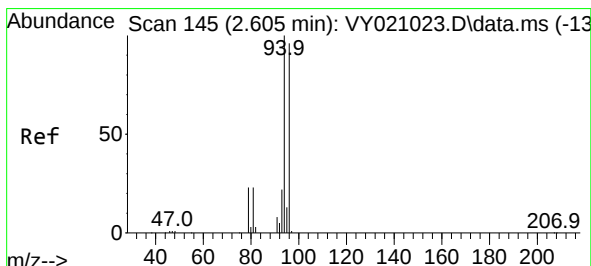
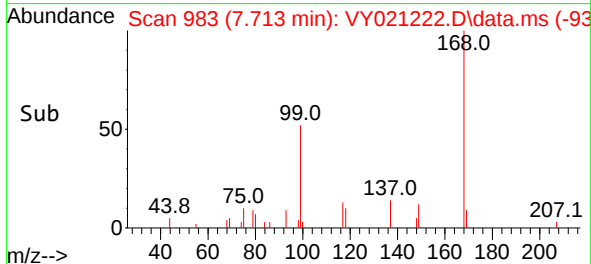
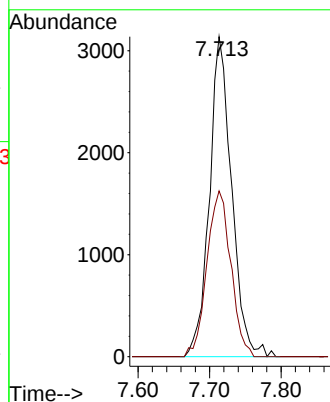
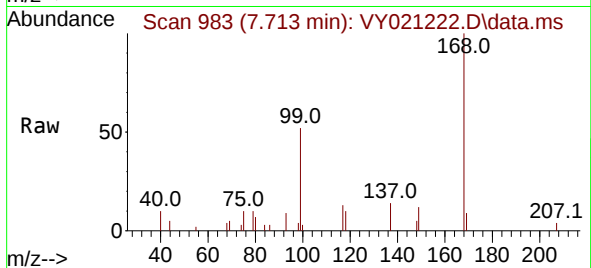




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021222.D
Acq: 17 Feb 2025 15:15

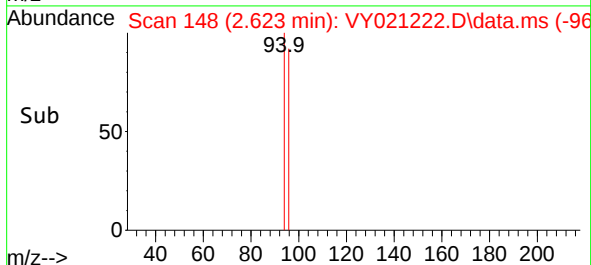
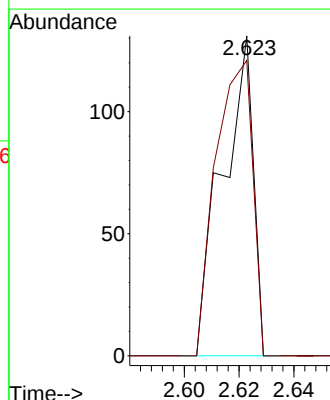
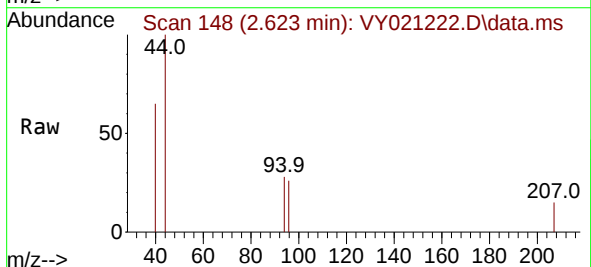
Instrument :
MSVOA_Y
ClientSampleId :

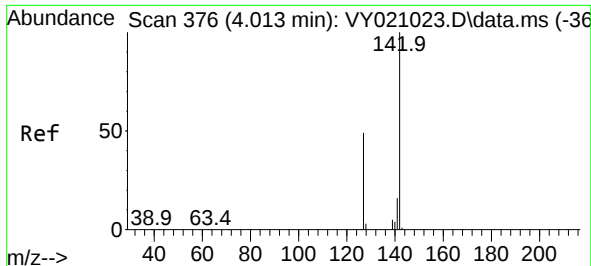
Tgt Ion:168 Resp: 6778
Ion Ratio Lower Upper
168 100
99 51.8 44.2 66.4



#5
Bromomethane
Concen: 2.750 ug/l
RT: 2.623 min Scan# 148
Delta R.T. 0.018 min
Lab File: VY021222.D
Acq: 17 Feb 2025 15:15

Tgt Ion: 94 Resp: 102
Ion Ratio Lower Upper
94 100
96 92.4 77.3 115.9





#10

Methyl Iodide

Concen: 1.981 ug/l

RT: 4.025 min Scan# 31

Delta R.T. 0.012 min

Lab File: VY021222.D

Acq: 17 Feb 2025 15:15

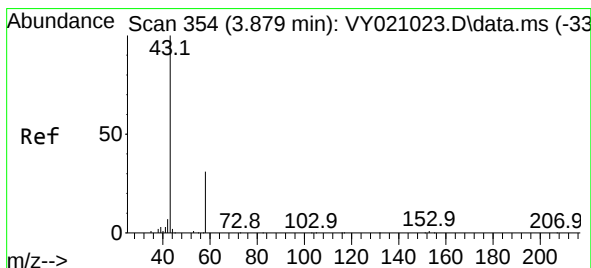
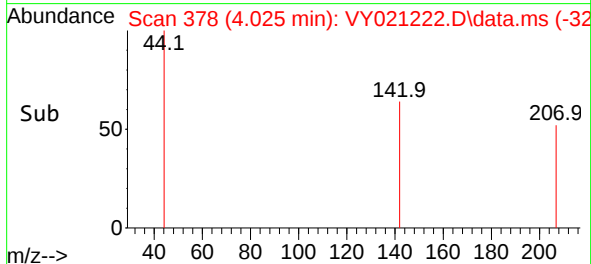
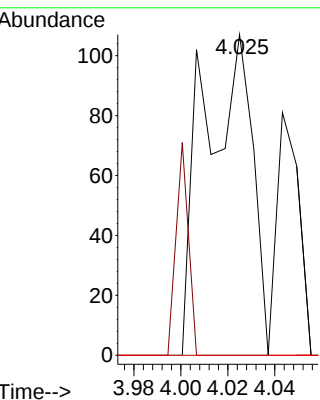
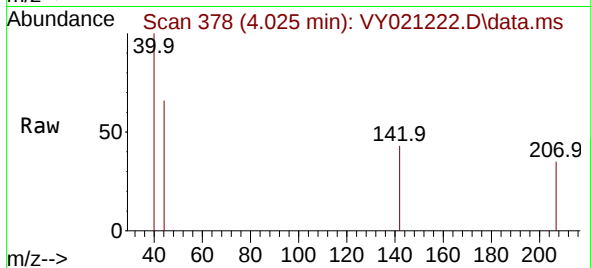
Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:142 Resp: 151

Ion	Ratio	Lower	Upper
142	100		
127	0.0	35.1	52.7#
141	0.0	11.8	17.6#



#16

Acetone

Concen: 4.894 ug/l

RT: 3.860 min Scan# 351

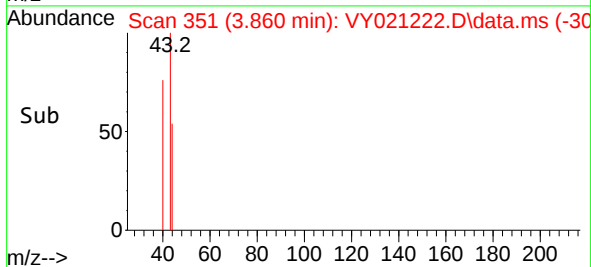
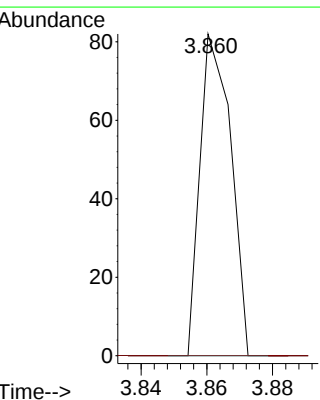
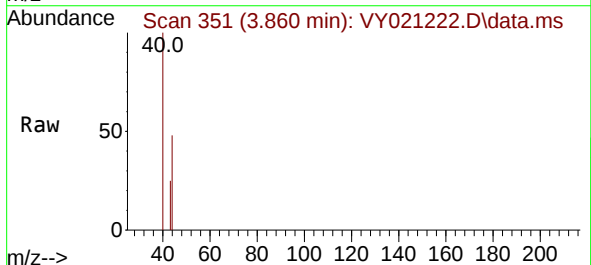
Delta R.T. -0.018 min

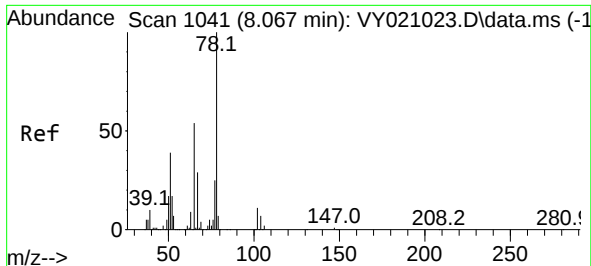
Lab File: VY021222.D

Acq: 17 Feb 2025 15:15

Tgt Ion: 43 Resp: 53

Ion	Ratio	Lower	Upper
43	100		
58	0.0	26.6	39.8#





#33

1,2-Dichloroethane-d4

Concen: 37.223 ug/l

RT: 8.073 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VY021222.D

Acq: 17 Feb 2025 15:15

Instrument :

MSVOA_Y

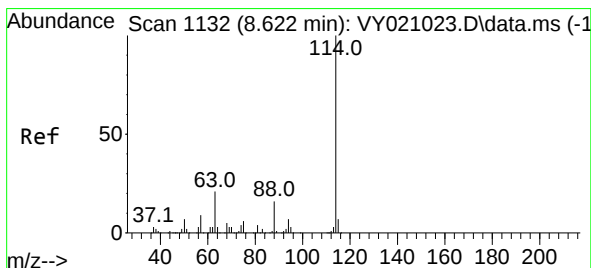
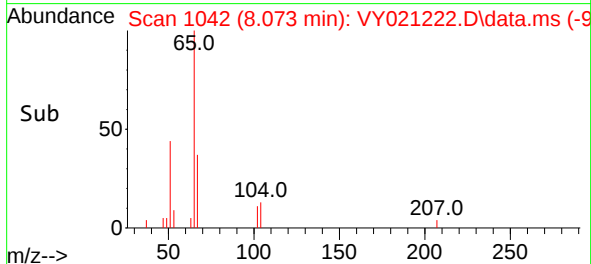
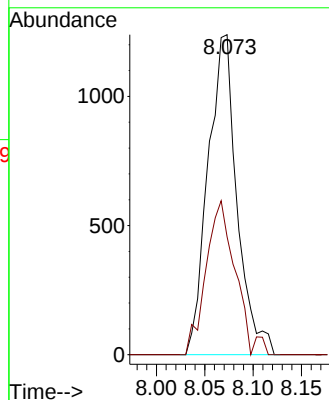
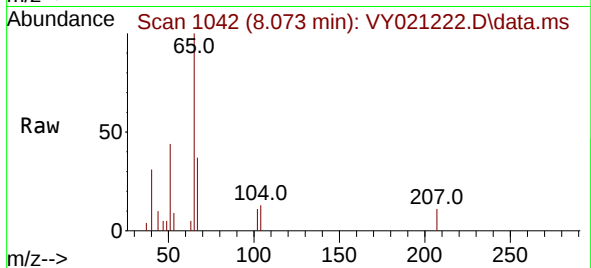
ClientSampleId :

Tgt Ion: 65 Resp: 2585

Ion Ratio Lower Upper

65 100

67 48.8 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: VY021222.D

Acq: 17 Feb 2025 15:15

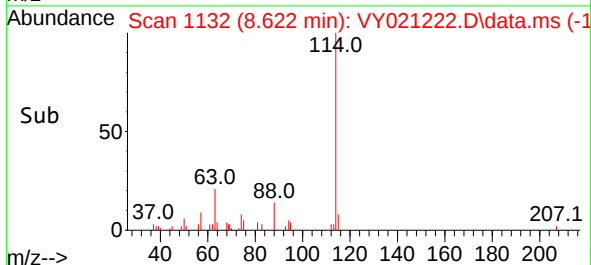
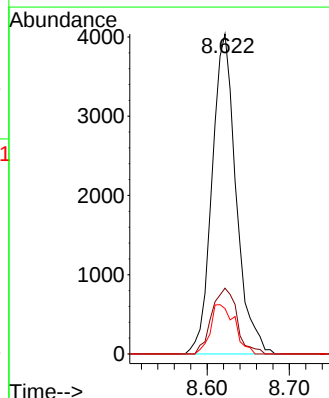
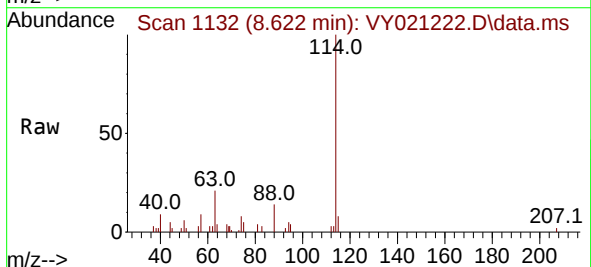
Tgt Ion: 114 Resp: 8200

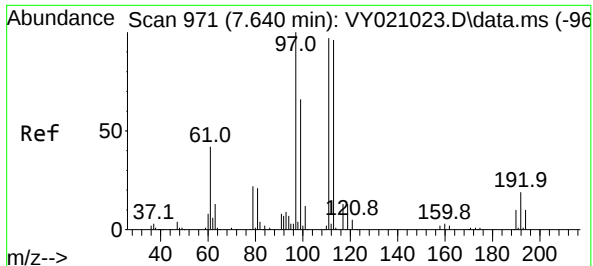
Ion Ratio Lower Upper

114 100

63 20.5 0.0 37.4

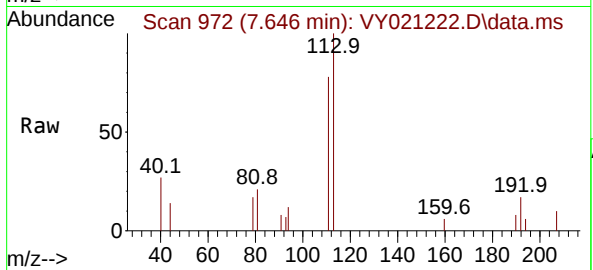
88 14.2 0.0 29.0



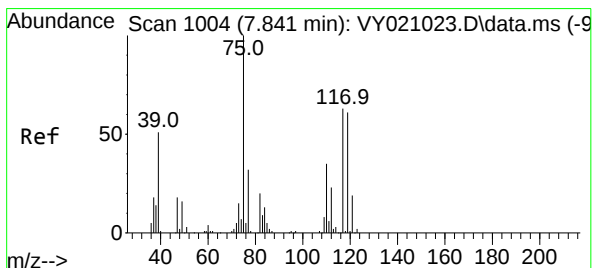
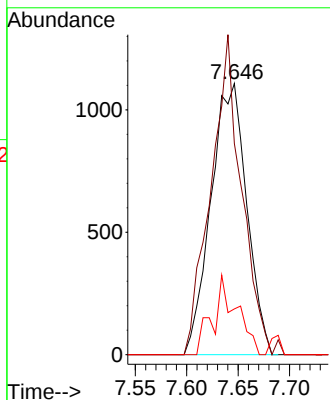
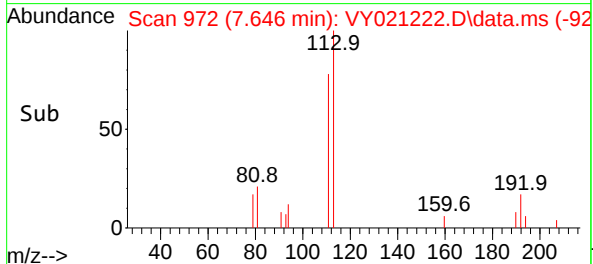


#35
Dibromofluoromethane
Concen: 51.112 ug/l
RT: 7.646 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021222.D
Acq: 17 Feb 2025 15:15

Instrument :
MSVOA_Y
ClientSampleId :

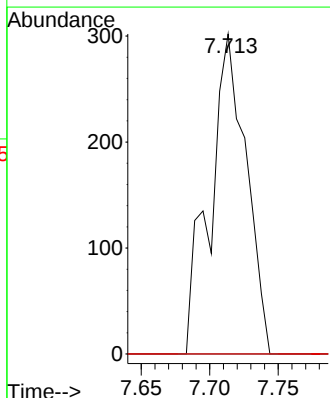
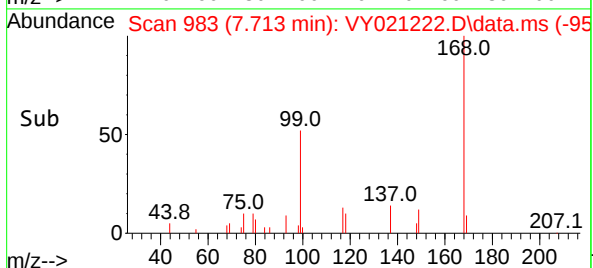
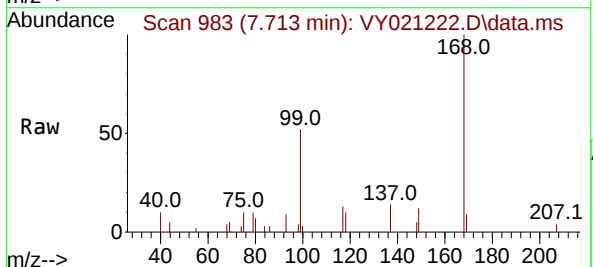


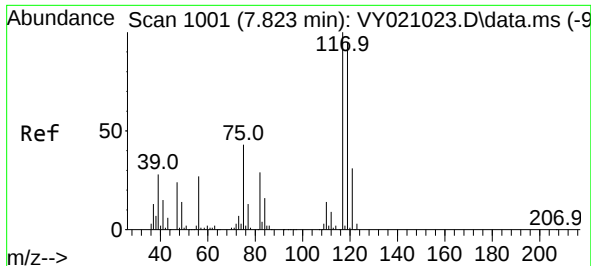
Tgt Ion:113 Resp: 2686
Ion Ratio Lower Upper
113 100
111 101.5 83.8 125.6
192 19.6 14.5 21.7



#36
1,1-Dichloropropene
Concen: 7.143 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY021222.D
Acq: 17 Feb 2025 15:15

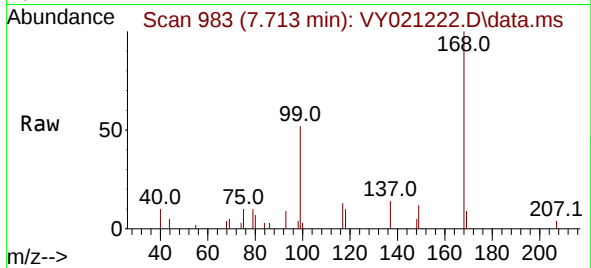
Tgt Ion: 75 Resp: 556
Ion Ratio Lower Upper
75 100
110 0.0 17.4 52.3#
77 0.0 24.7 37.1#



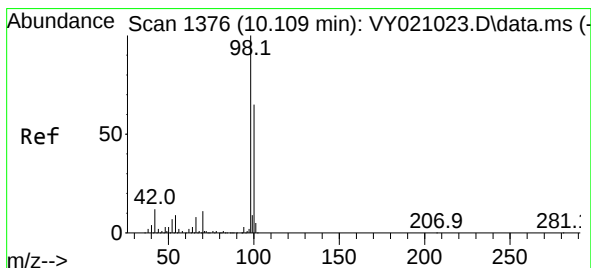
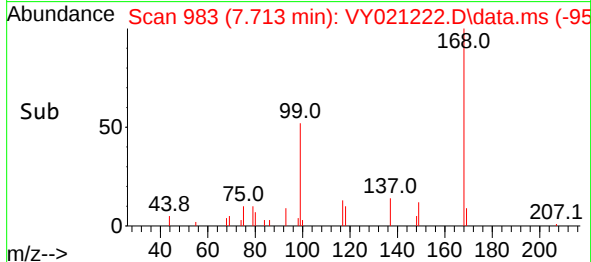
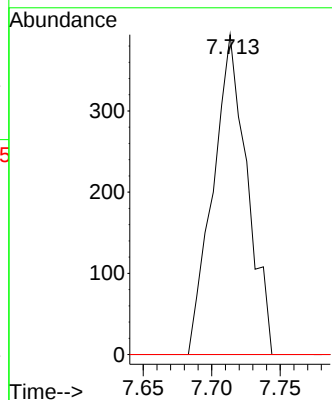


#38
Carbon Tetrachloride
Concen: 7.510 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY021222.D
Acq: 17 Feb 2025 15:15

Instrument :
MSVOA_Y
ClientSampleId :

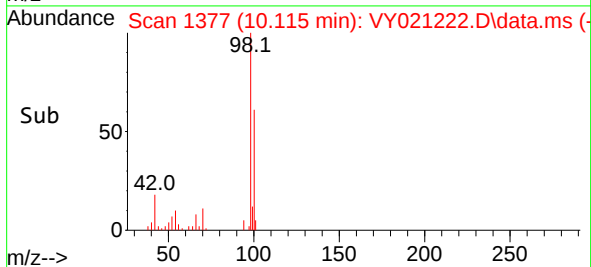
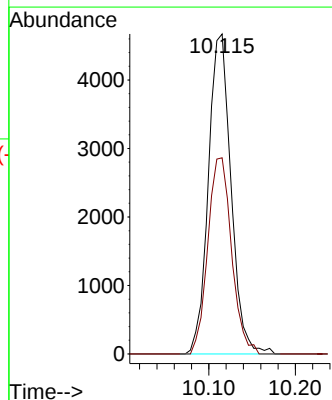
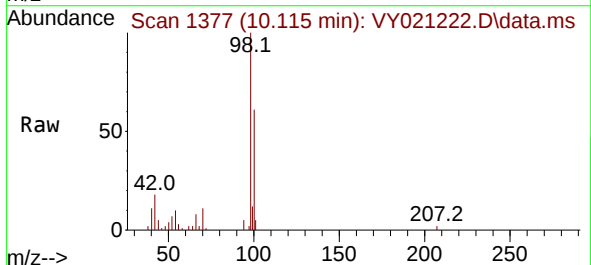


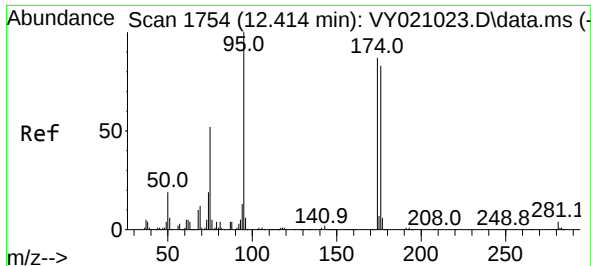
Tgt Ion:117 Resp: 683
Ion Ratio Lower Upper
117 100
119 0.0 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 42.451 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021222.D
Acq: 17 Feb 2025 15:15

Tgt Ion: 98 Resp: 8493
Ion Ratio Lower Upper
98 100
100 64.2 52.3 78.5

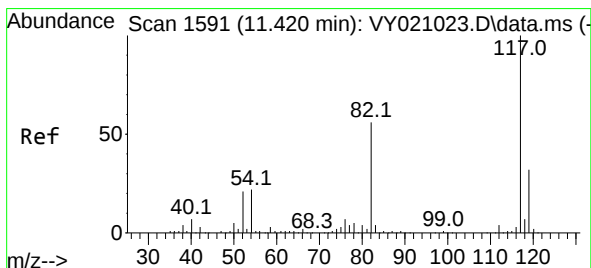
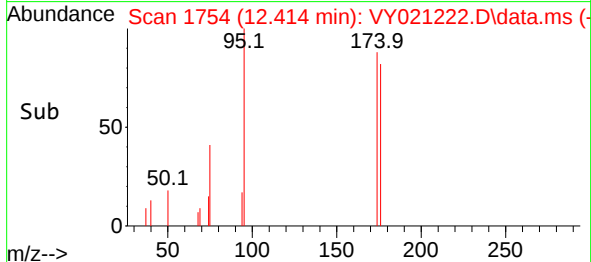
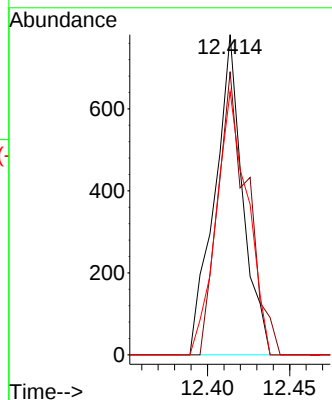
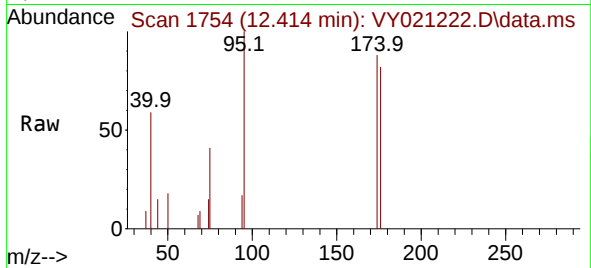




#62
4-Bromofluorobenzene
Concen: 14.213 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021222.D
Acq: 17 Feb 2025 15:15

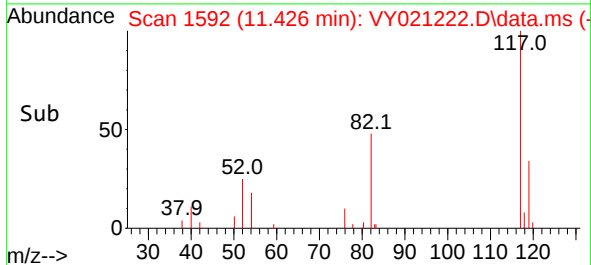
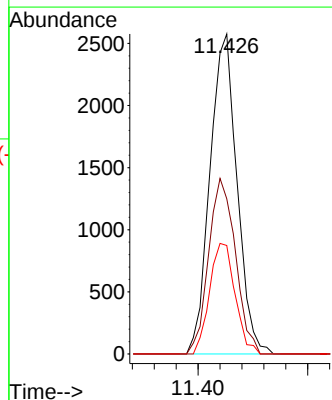
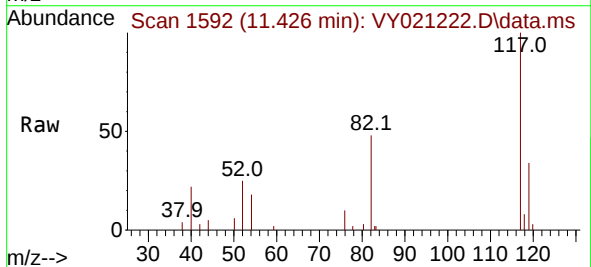
Instrument :
MSVOA_Y
ClientSampleId :

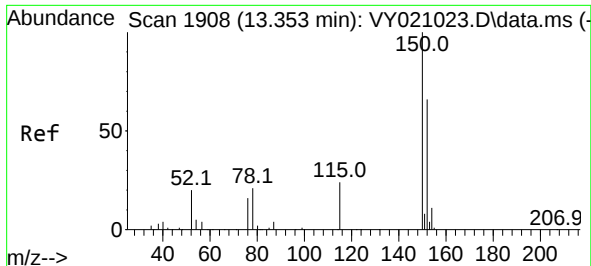
Tgt Ion: 95	Resp: 929
Ion Ratio	Lower Upper
95 100	
174 93.6	0.0 160.0
176 91.5	0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. 0.006 min
Lab File: VY021222.D
Acq: 17 Feb 2025 15:15

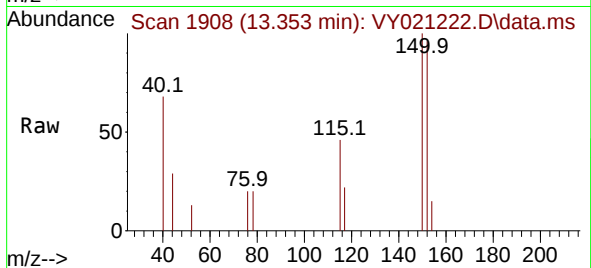
Tgt Ion: 117	Resp: 4417
Ion Ratio	Lower Upper
117 100	
82 48.5	43.8 65.8
119 33.9	26.5 39.7



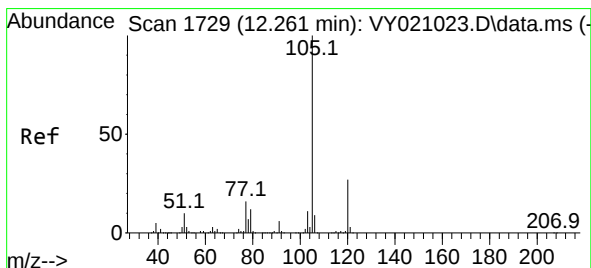
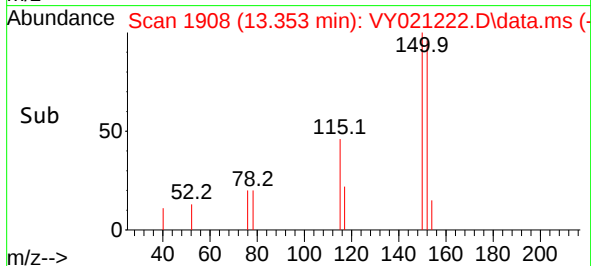
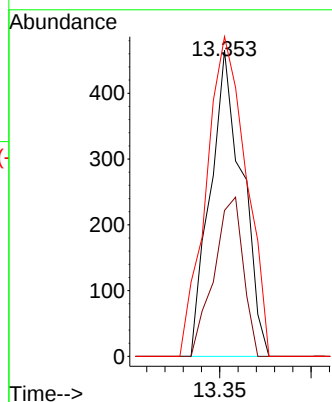


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.353 min Scan# 1908
 Delta R.T. -0.000 min
 Lab File: VY021222.D
 Acq: 17 Feb 2025 15:15

Instrument :
 MSVOA_Y
 ClientSampleId :

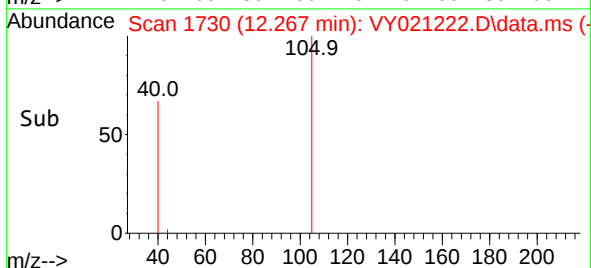
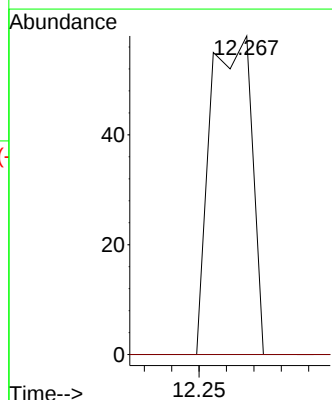
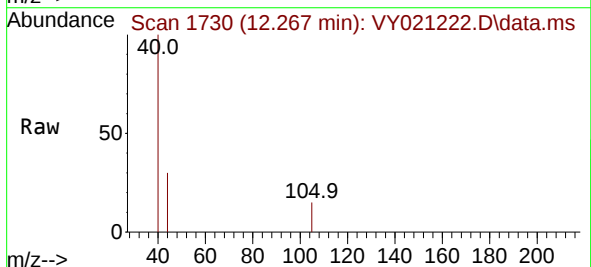


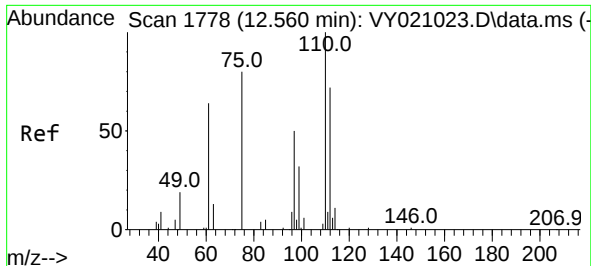
Tgt Ion:152 Resp: 565
 Ion Ratio Lower Upper
 152 100
 115 47.8 30.0 90.0
 150 130.8 0.0 344.6



#73
 Isopropylbenzene
 Concen: 1.359 ug/l
 RT: 12.267 min Scan# 1730
 Delta R.T. 0.006 min
 Lab File: VY021222.D
 Acq: 17 Feb 2025 15:15

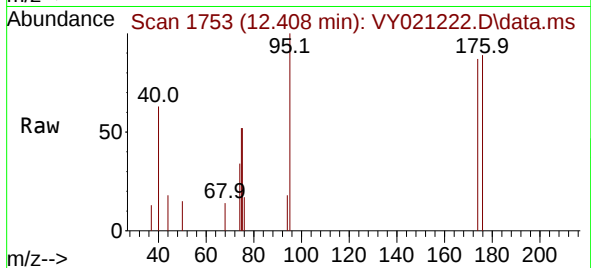
Tgt Ion:105 Resp: 60
 Ion Ratio Lower Upper
 105 100
 120 0.0 13.0 39.0#



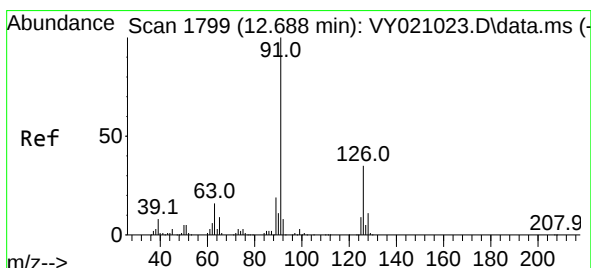
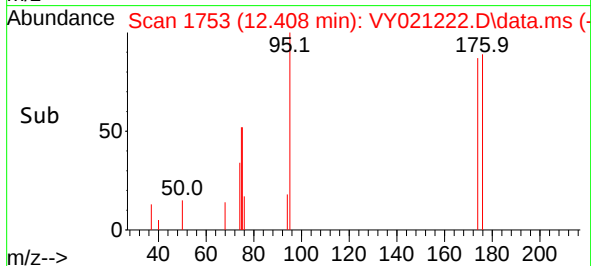
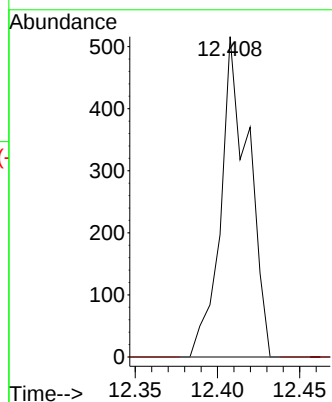


#76
1,2,3-Trichloropropane
Concen: 119.214 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.153 min
Lab File: VY021222.D
Acq: 17 Feb 2025 15:15

Instrument :
MSVOA_Y
ClientSampleId :

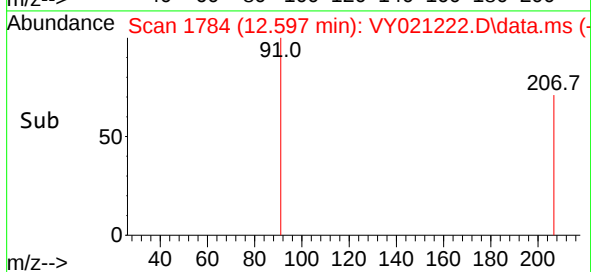
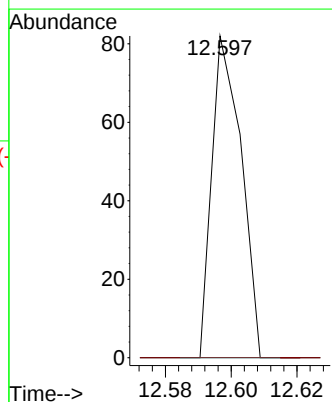
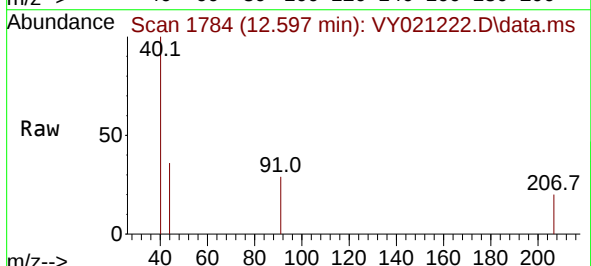


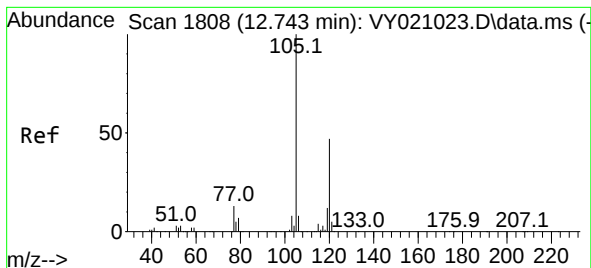
Tgt Ion: 75 Resp: 611
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#79
2-Chlorotoluene
Concen: 1.694 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.092 min
Lab File: VY021222.D
Acq: 17 Feb 2025 15:15

Tgt Ion: 91 Resp: 51
Ion Ratio Lower Upper
91 100
126 0.0 17.0 51.0#





#80

1,3,5-Trimethylbenzene

Concen: 1.006 ug/l

RT: 12.700 min Scan# 11

Delta R.T. -0.043 min

Lab File: VY021222.D

Acq: 17 Feb 2025 15:15

Instrument :

MSVOA_Y

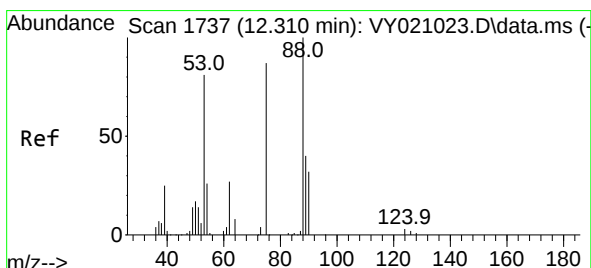
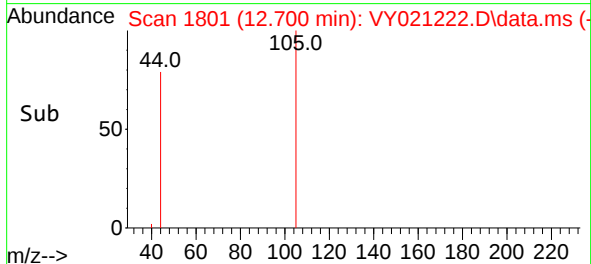
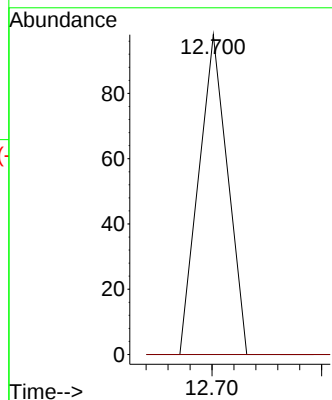
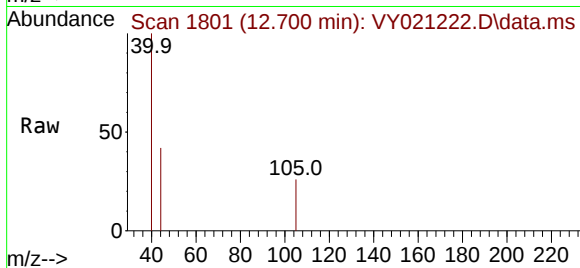
ClientSampleId :

Tgt Ion:105 Resp: 36

Ion Ratio Lower Upper

105 100

120 0.0 24.3 72.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 243.253 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.097 min

Lab File: VY021222.D

Acq: 17 Feb 2025 15:15

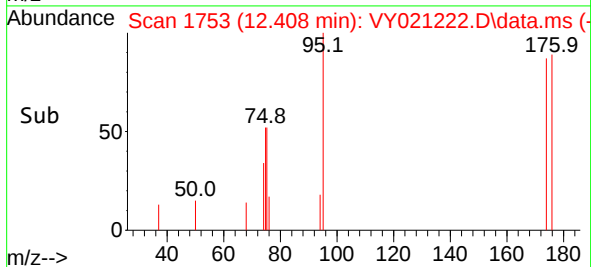
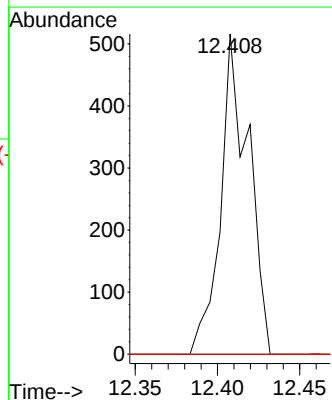
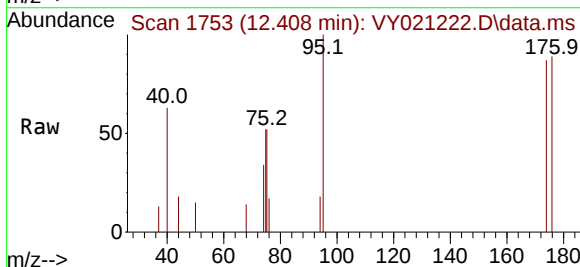
Tgt Ion: 75 Resp: 611

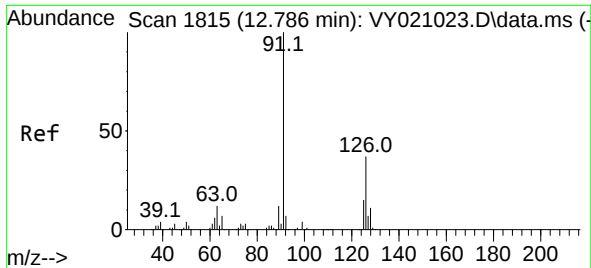
Ion Ratio Lower Upper

75 100

53 0.0 74.0 111.0#

89 0.0 36.5 54.7#

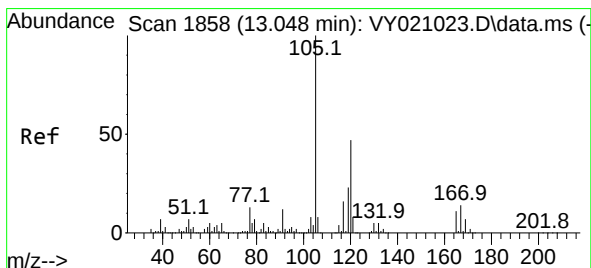
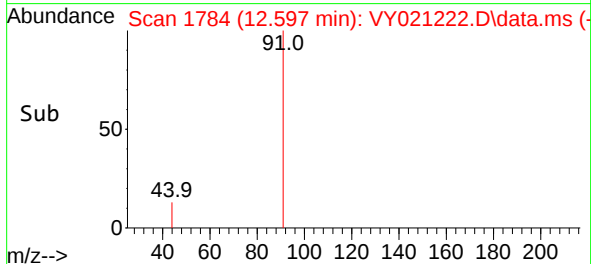
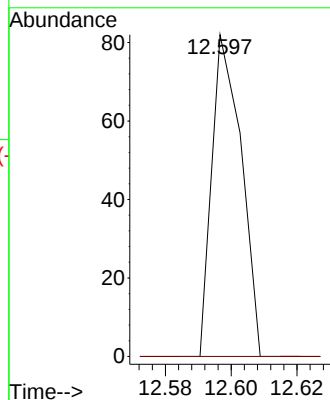
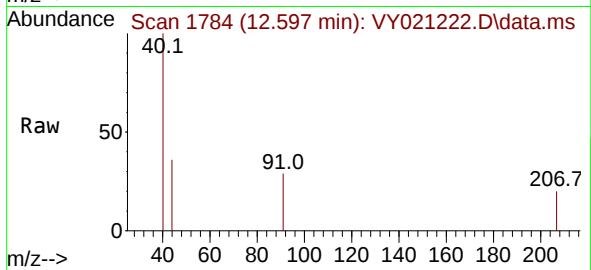




#82
4-Chlorotoluene
Concen: 1.662 ug/l
RT: 12.597 min Scan# 11
Delta R.T. -0.189 min
Lab File: VY021222.D
Acq: 17 Feb 2025 15:15

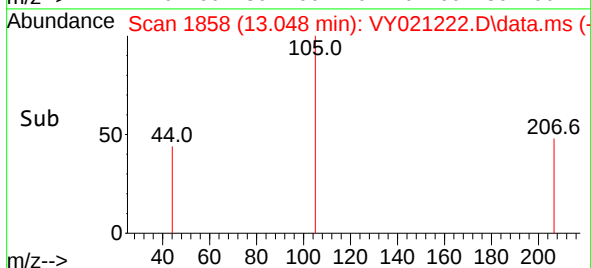
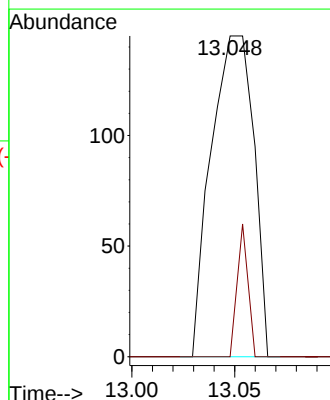
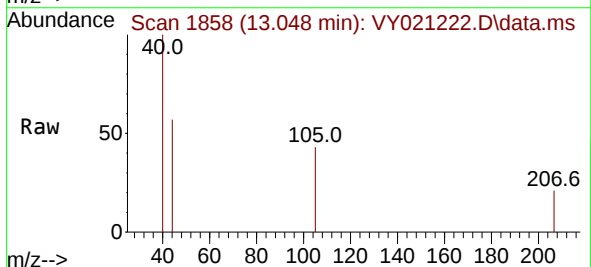
Instrument :
MSVOA_Y
ClientSampleId :

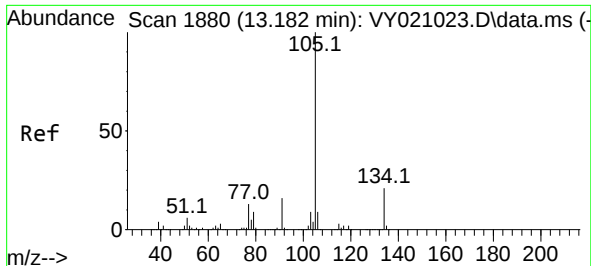
Tgt Ion: 91 Resp: 51
Ion Ratio Lower Upper
91 100
126 0.0 17.1 51.2#



#84
1,2,4-Trimethylbenzene
Concen: 6.002 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY021222.D
Acq: 17 Feb 2025 15:15

Tgt Ion: 105 Resp: 210
Ion Ratio Lower Upper
105 100
120 10.5 22.1 66.3#

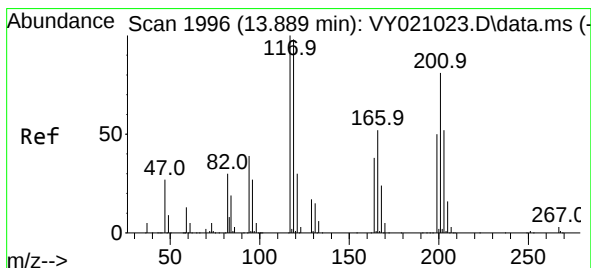
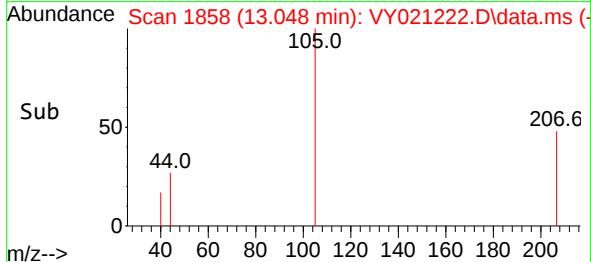
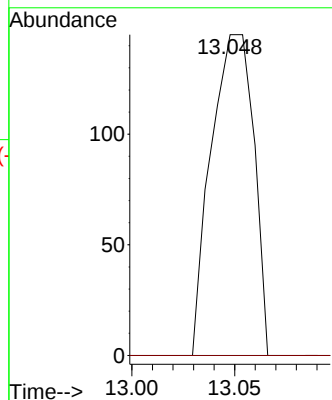
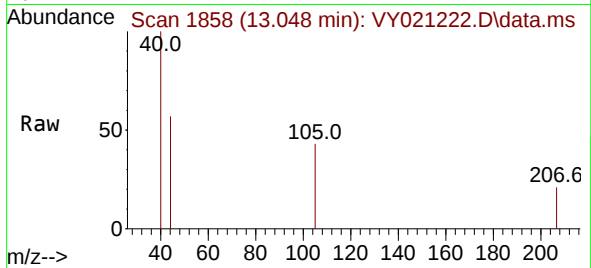




#85
 sec-Butylbenzene
 Concen: 4.485 ug/l
 RT: 13.048 min Scan# 11
 Delta R.T. -0.134 min
 Lab File: VY021222.D
 Acq: 17 Feb 2025 15:15

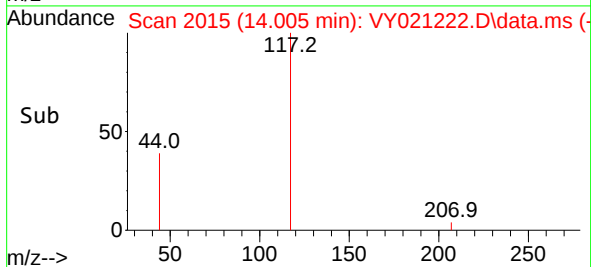
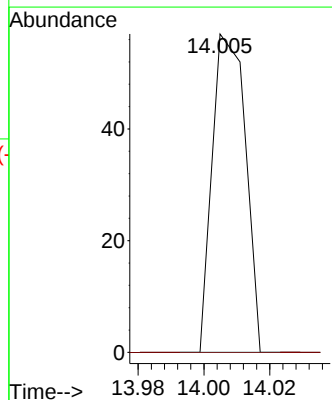
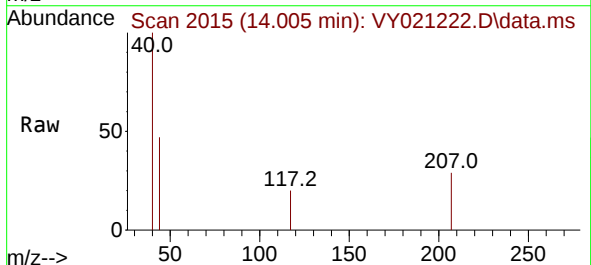
Instrument :
 MSVOA_Y
 ClientSampleId :

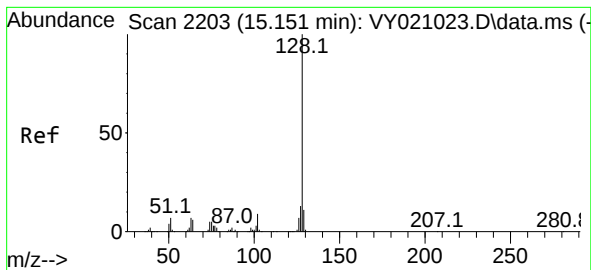
Tgt Ion:105 Resp: 210
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.7 28.9#



#90
 Hexachloroethane
 Concen: 4.930 ug/l
 RT: 14.005 min Scan# 2015
 Delta R.T. 0.116 min
 Lab File: VY021222.D
 Acq: 17 Feb 2025 15:15

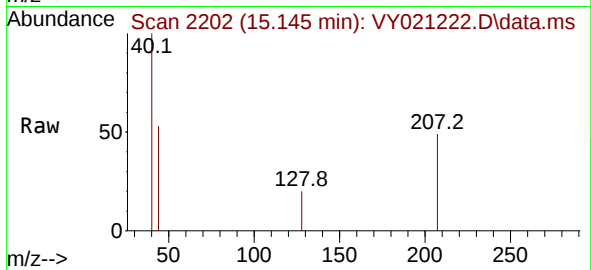
Tgt Ion:117 Resp: 40
 Ion Ratio Lower Upper
 117 100
 201 0.0 33.4 100.1#





#95
 Naphthalene
 Concen: 1.645 ug/l
 RT: 15.145 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VY021222.D
 Acq: 17 Feb 2025 15:15

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:128 Resp: 25
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.2 15.4#
 129 0.0 8.6 12.8#

