

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021725\
 Data File : VY021219.D
 Acq On : 17 Feb 2025 14:04
 Operator : SY/MD
 Sample : Q1365-07
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 18 00:47:36 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)

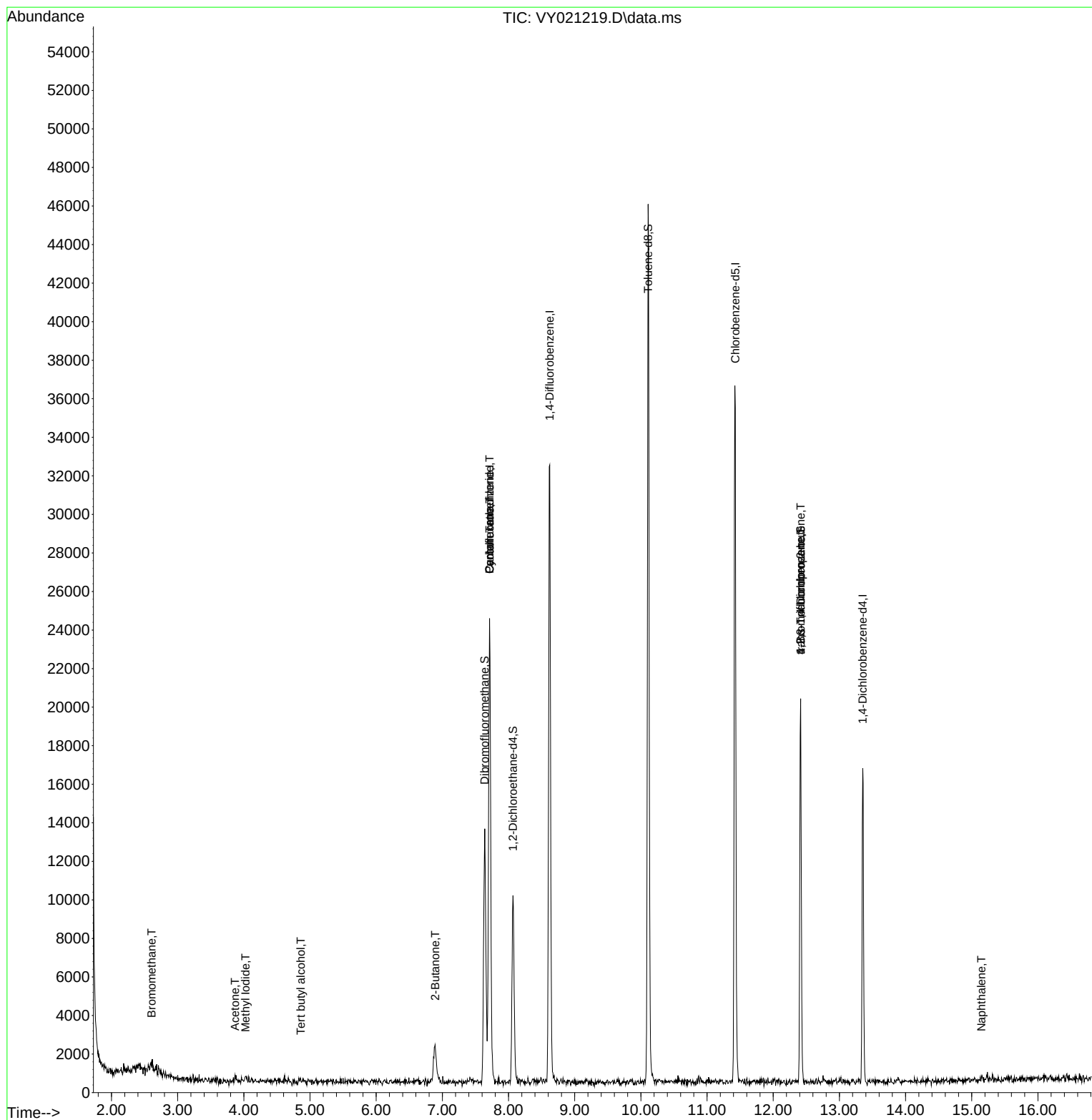
Internal Standards						
1) Pentafluorobenzene	7.713	168	18445	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	27472	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	20010	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	4316	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	8187	43.321	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 86.640%			
35) Dibromofluoromethane	7.640	113	9402	53.403	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.800%			
50) Toluene-d8	10.109	98	31261	46.640	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 93.280%			
62) 4-Bromofluorobenzene	12.414	95	5916	27.017	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 54.040%			
Target Compounds						Qvalue
5) Bromomethane	2.604	94	244	2.418	ug/l #	26
10) Methyl Iodide	4.025	142	269	1.297	ug/l #	68
11) Tert butyl alcohol	4.860	59	20	1.562	ug/l #	75
16) Acetone	3.866	43	100	3.393	ug/l #	41
25) 2-Butanone	6.890	43	68	1.404	ug/l #	48
31) Cyclohexane	7.713	56	415	1.287	ug/l #	1
38) Carbon Tetrachloride	7.713	117	1846	6.058	ug/l #	20
76) 1,2,3-Trichloropropane	12.414	75	3535	90.290	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	3535	184.236	ug/l #	12
95) Naphthalene	15.145	128	123	1.059	ug/l #	69

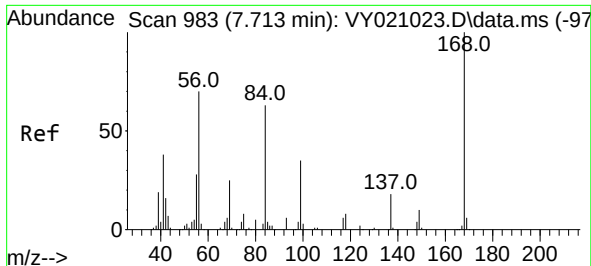
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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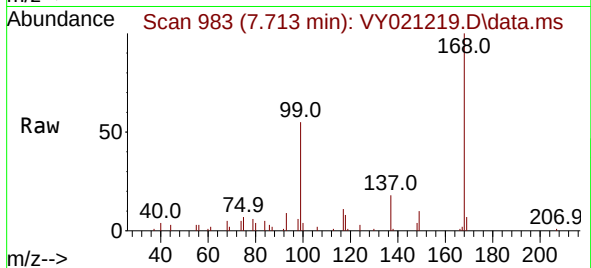
Quant Time: Feb 18 00:47:36 2025
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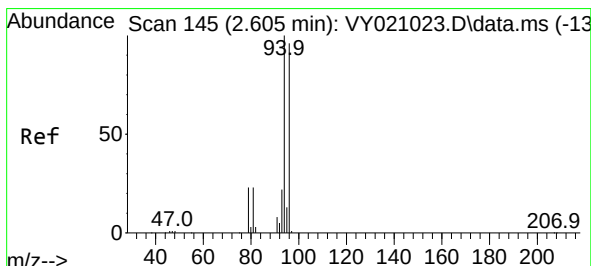
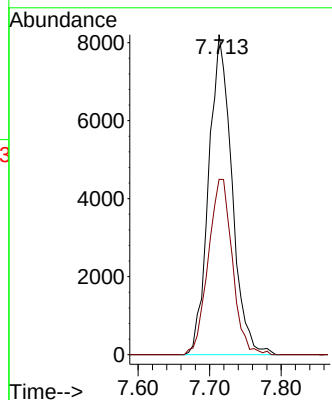
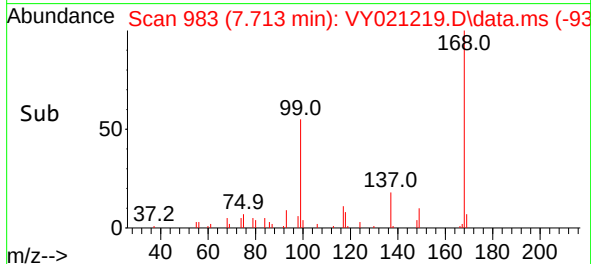


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021219.D
Acq: 17 Feb 2025 14:04

Instrument :
MSVOA_Y
ClientSampleId :

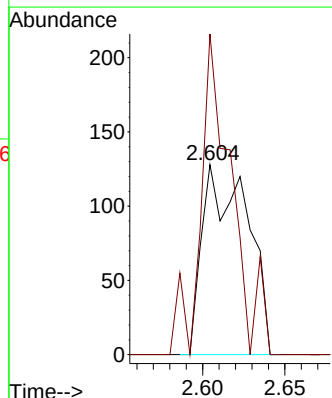
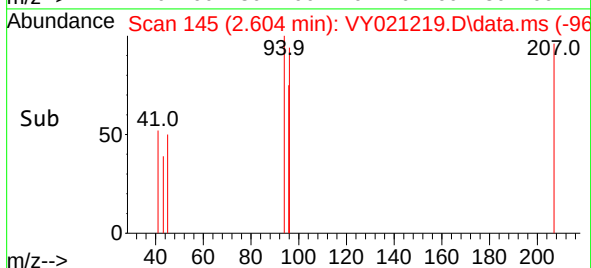
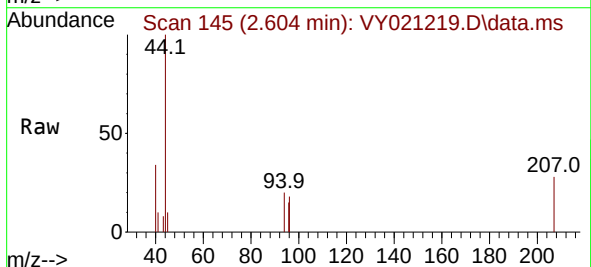


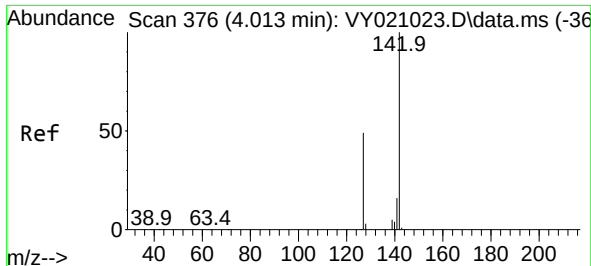
Tgt Ion:168 Resp: 18445
Ion Ratio Lower Upper
168 100
99 54.8 44.2 66.4



#5
Bromomethane
Concen: 2.418 ug/l
RT: 2.604 min Scan# 145
Delta R.T. -0.000 min
Lab File: VY021219.D
Acq: 17 Feb 2025 14:04

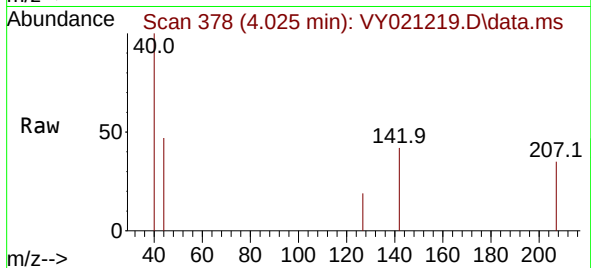
Tgt Ion: 94 Resp: 244
Ion Ratio Lower Upper
94 100
96 168.8 77.3 115.9#



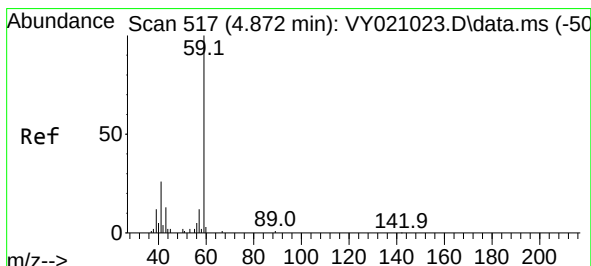
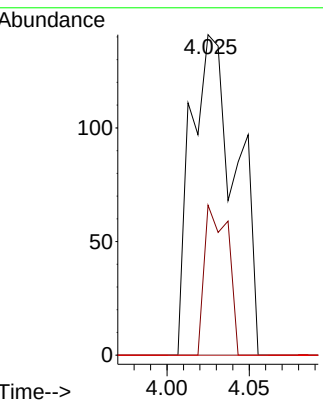
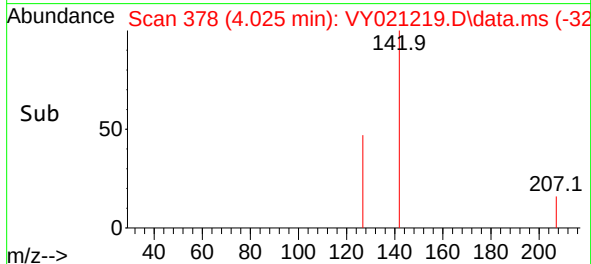


#10
Methyl Iodide
Concen: 1.297 ug/l
RT: 4.025 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY021219.D
Acq: 17 Feb 2025 14:04

Instrument :
MSVOA_Y
ClientSampleId :

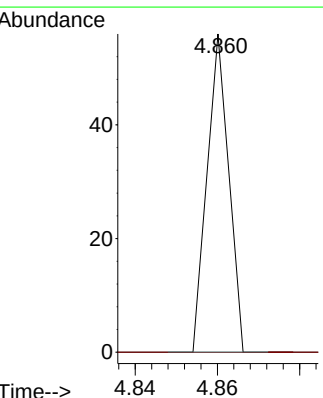
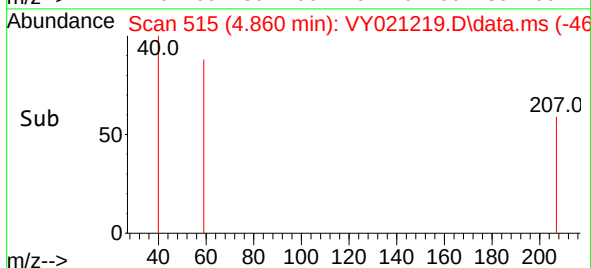
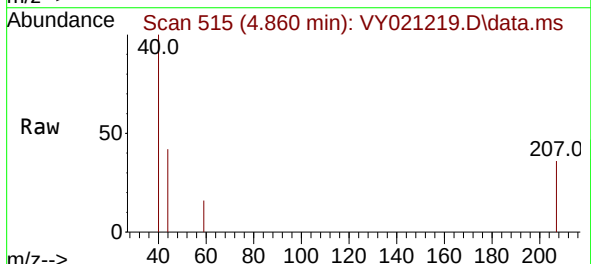


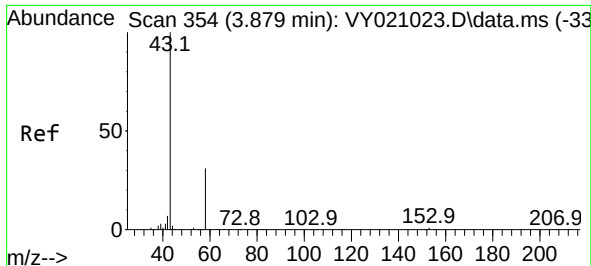
Tgt Ion:142 Resp: 269
Ion Ratio Lower Upper
142 100
127 24.2 35.1 52.7#
141 0.0 11.8 17.6#



#11
Tert butyl alcohol
Concen: 1.562 ug/l
RT: 4.860 min Scan# 515
Delta R.T. -0.012 min
Lab File: VY021219.D
Acq: 17 Feb 2025 14:04

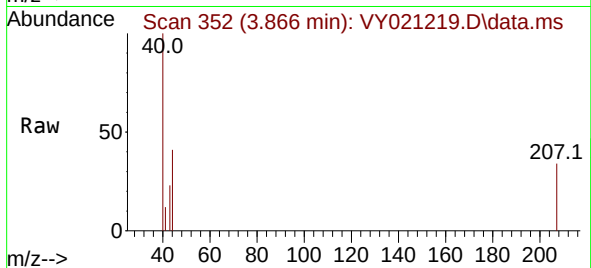
Tgt Ion: 59 Resp: 20
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



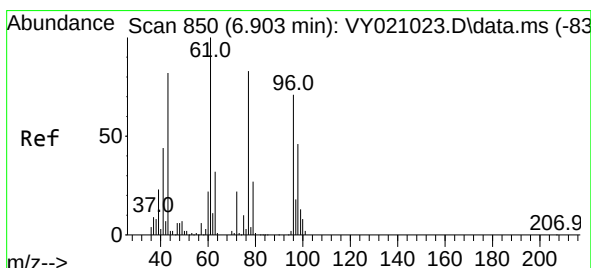
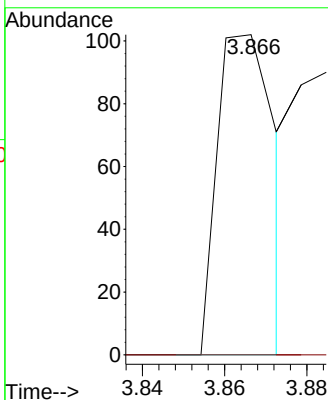
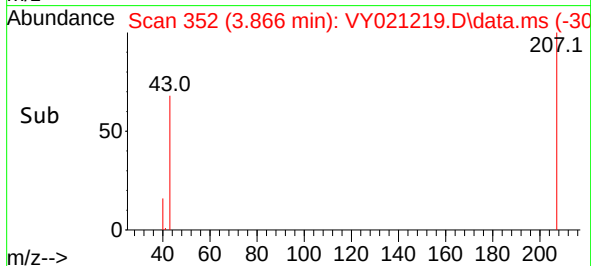


#16
Acetone
Concen: 3.393 ug/l
RT: 3.866 min Scan# 311
Delta R.T. -0.012 min
Lab File: VY021219.D
Acq: 17 Feb 2025 14:04

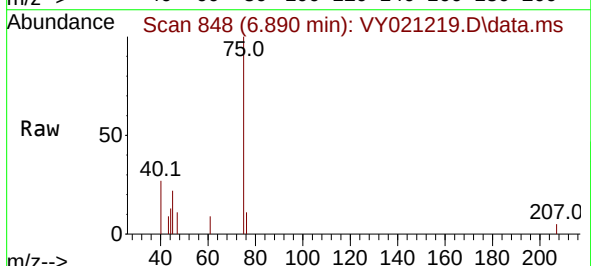
Instrument :
MSVOA_Y
ClientSampleId :



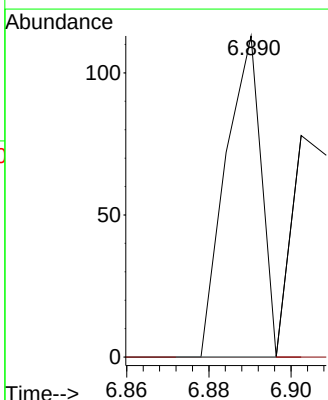
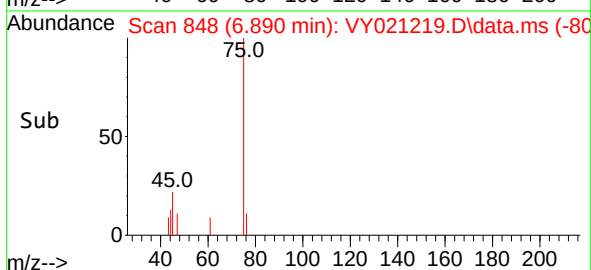
Tgt Ion: 43 Resp: 100
Ion Ratio Lower Upper
43 100
58 0.0 26.6 39.8#

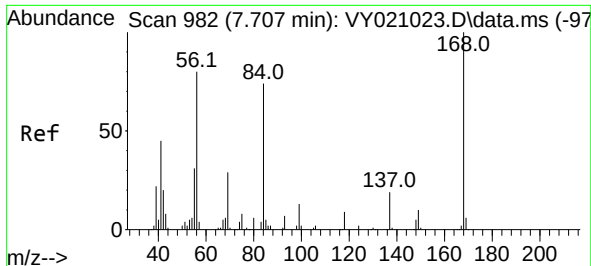


#25
2-Butanone
Concen: 1.404 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.012 min
Lab File: VY021219.D
Acq: 17 Feb 2025 14:04



Tgt Ion: 43 Resp: 68
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#

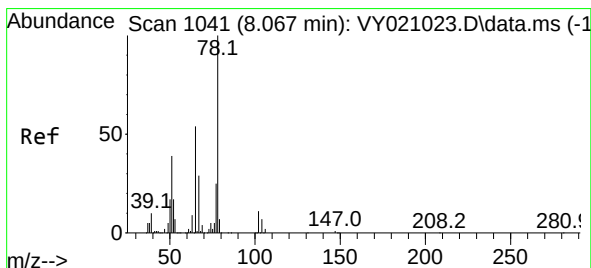
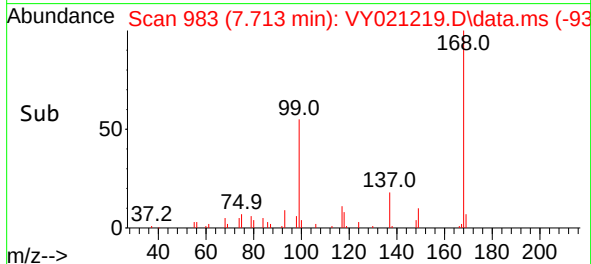
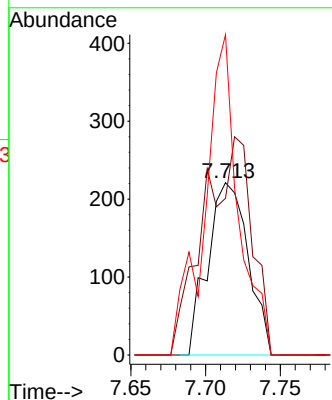
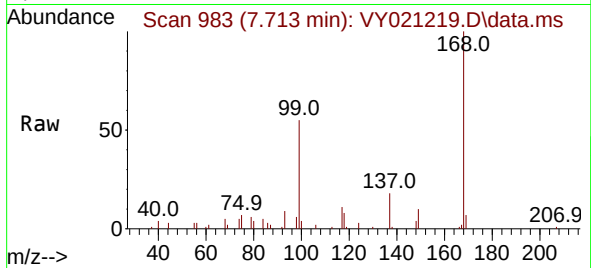




#31
Cyclohexane
Concen: 1.287 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021219.D
Acq: 17 Feb 2025 14:04

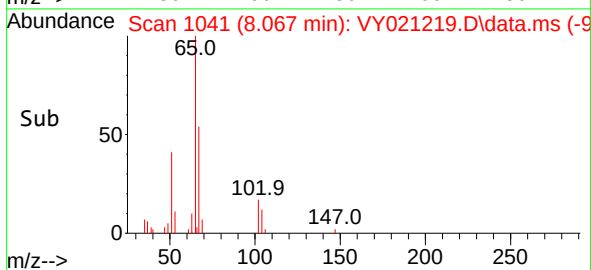
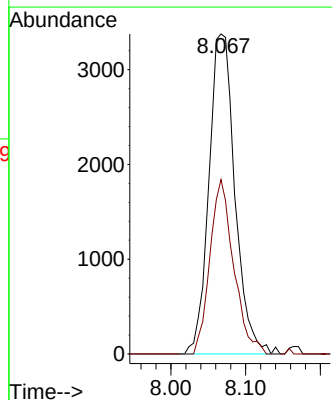
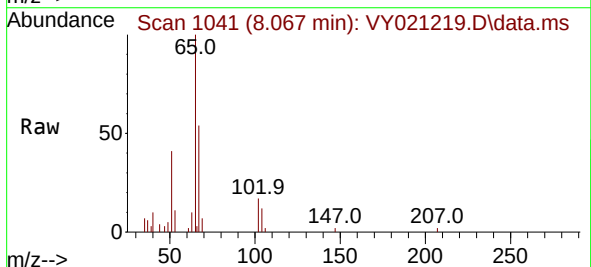
Instrument :
MSVOA_Y
ClientSampleId :

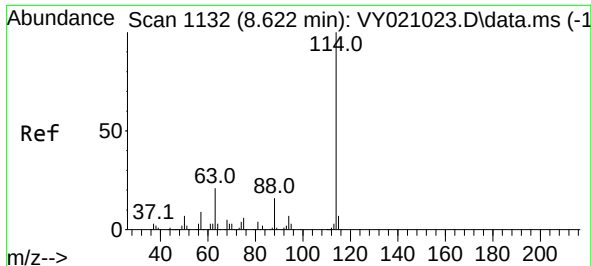
Tgt Ion: 56 Resp: 415
Ion Ratio Lower Upper
56 100
69 91.0 27.0 40.6#
84 186.0 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 43.321 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY021219.D
Acq: 17 Feb 2025 14:04

Tgt Ion: 65 Resp: 8187
Ion Ratio Lower Upper
65 100
67 49.7 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: VY021219.D

Acq: 17 Feb 2025 14:04

Instrument :

MSVOA_Y

ClientSampleId :

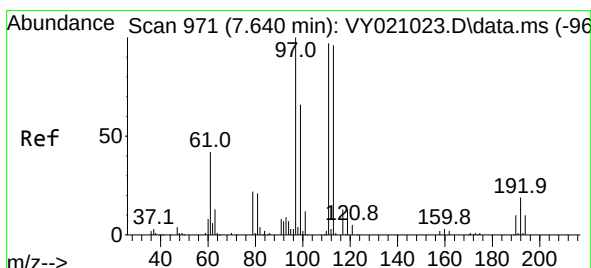
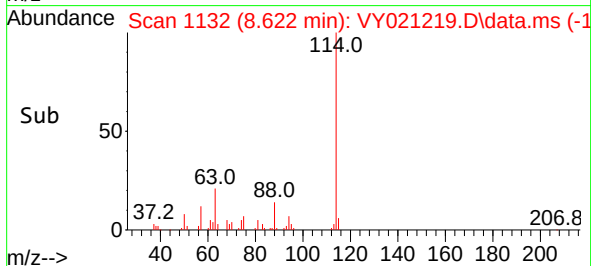
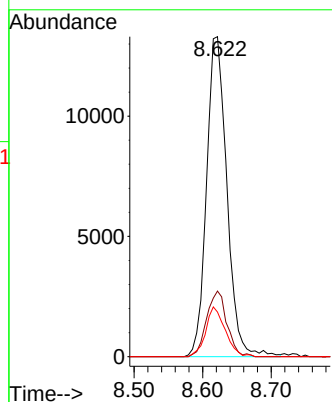
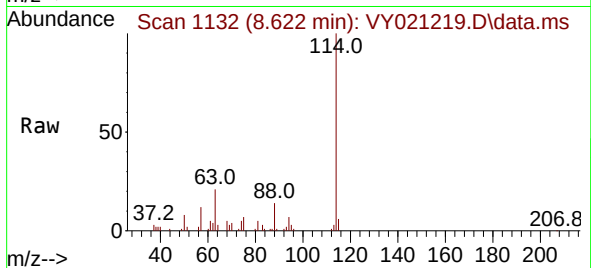
Tgt Ion:114 Resp: 27472

Ion Ratio Lower Upper

114 100

63 20.5 0.0 37.4

88 13.9 0.0 29.0



#35

Dibromofluoromethane

Concen: 53.403 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY021219.D

Acq: 17 Feb 2025 14:04

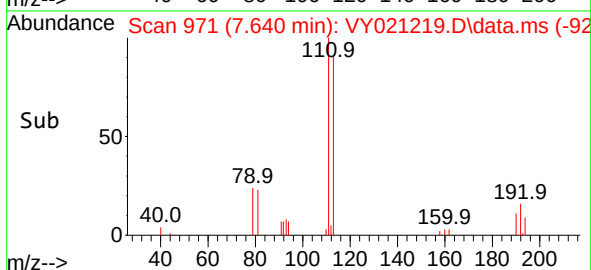
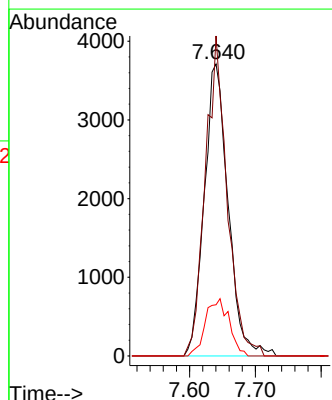
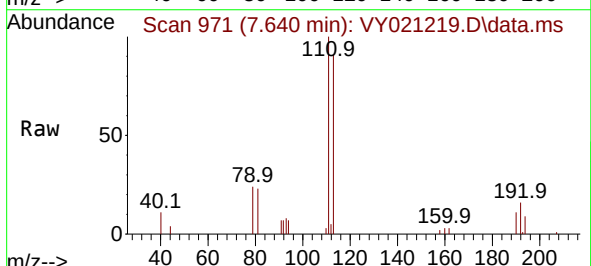
Tgt Ion:113 Resp: 9402

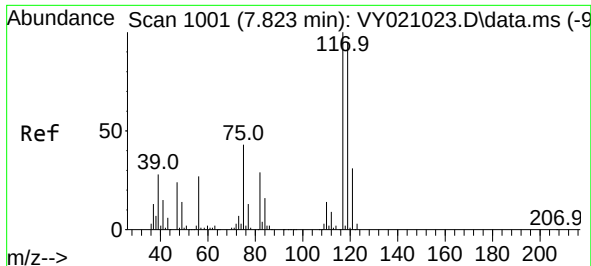
Ion Ratio Lower Upper

113 100

111 100.0 83.8 125.6

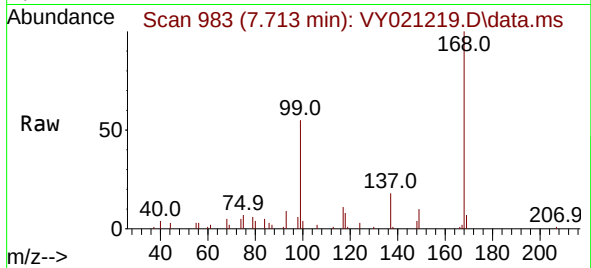
192 19.3 14.5 21.7



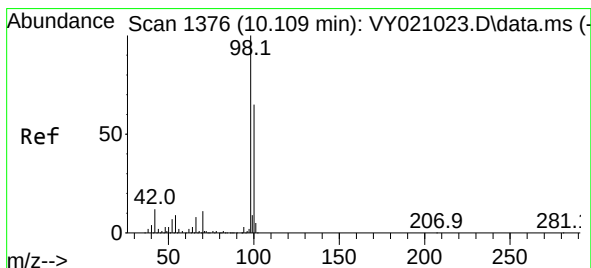
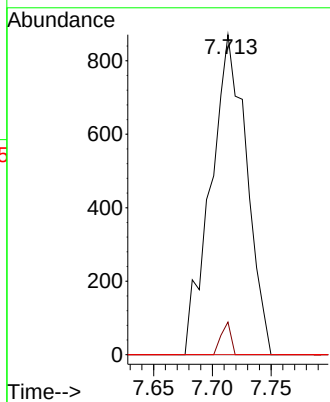
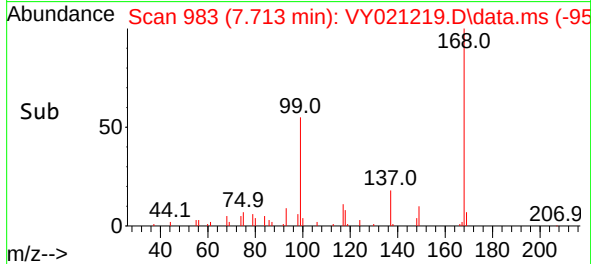


#38
Carbon Tetrachloride
Concen: 6.058 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY021219.D
Acq: 17 Feb 2025 14:04

Instrument :
MSVOA_Y
ClientSampleId :

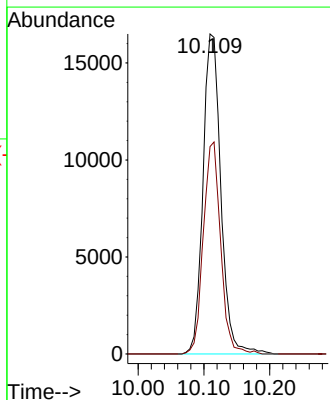
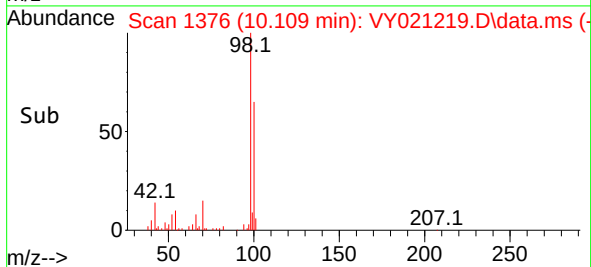
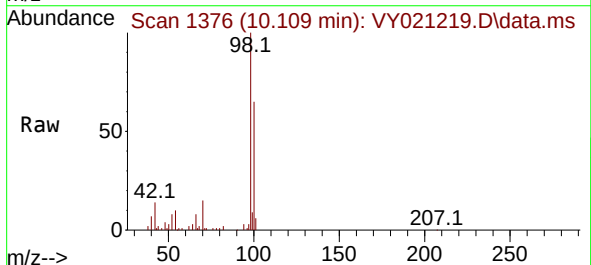


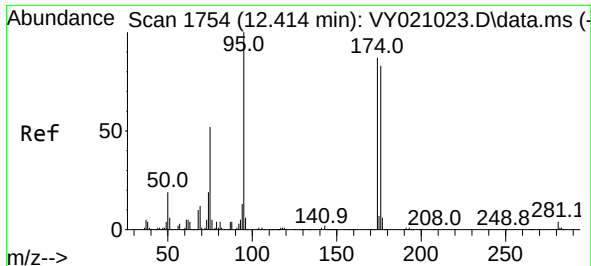
Tgt Ion:117 Resp: 1846
Ion Ratio Lower Upper
117 100
119 10.2 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 46.640 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021219.D
Acq: 17 Feb 2025 14:04

Tgt Ion: 98 Resp: 31261
Ion Ratio Lower Upper
98 100
100 63.9 52.3 78.5

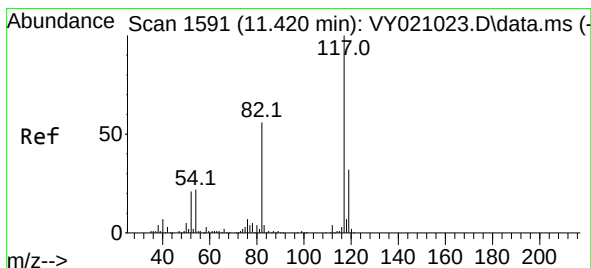
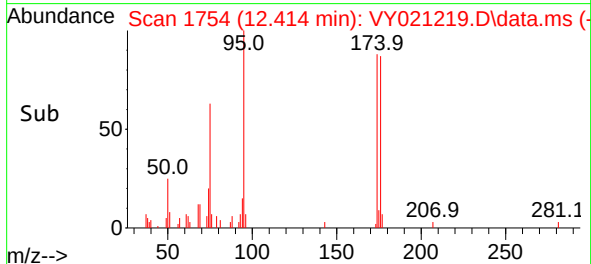
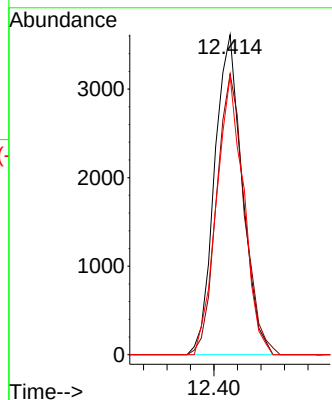
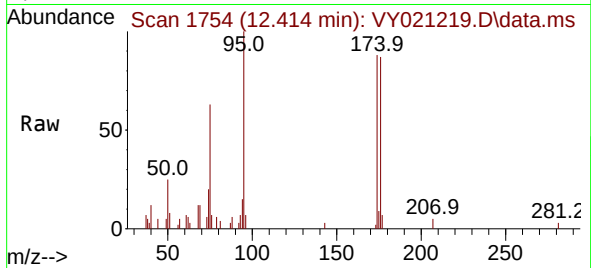




#62
4-Bromofluorobenzene
Concen: 27.017 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021219.D
Acq: 17 Feb 2025 14:04

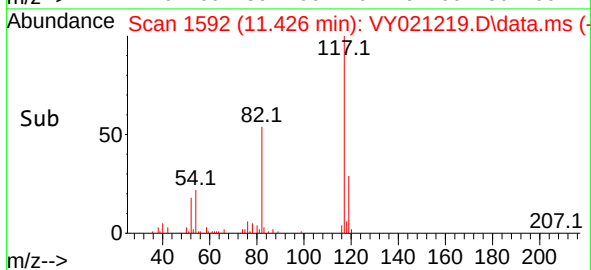
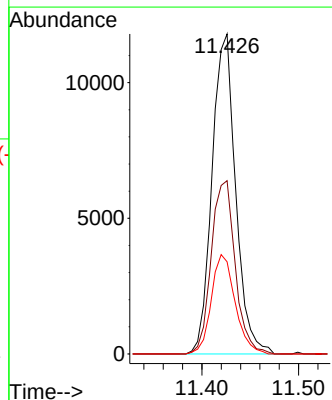
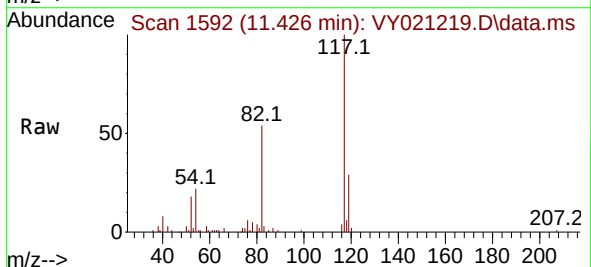
Instrument :
MSVOA_Y
ClientSampleId :

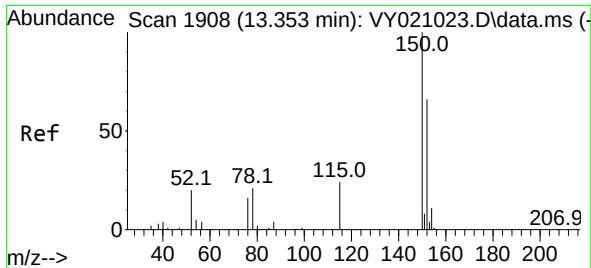
Tgt Ion:	95	Resp:	5916
Ion Ratio	Lower	Upper	
95	100		
174	88.1	0.0	160.0
176	85.4	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. 0.006 min
Lab File: VY021219.D
Acq: 17 Feb 2025 14:04

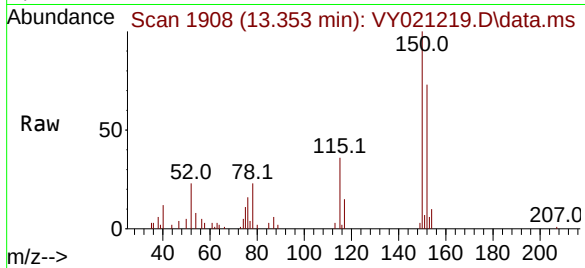
Tgt Ion:	117	Resp:	20010
Ion Ratio	Lower	Upper	
117	100		
82	54.1	43.8	65.8
119	28.8	26.5	39.7



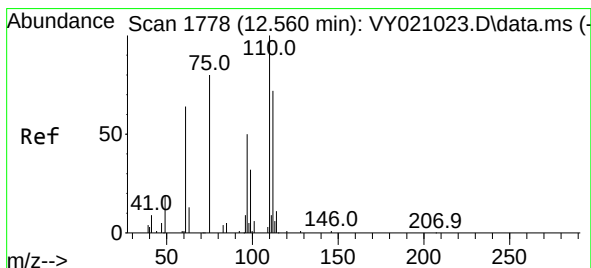
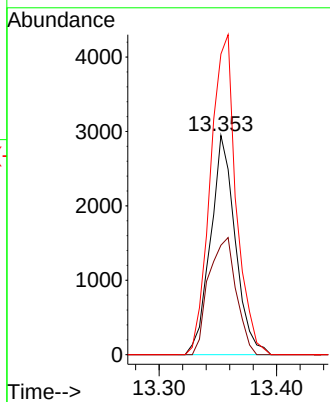
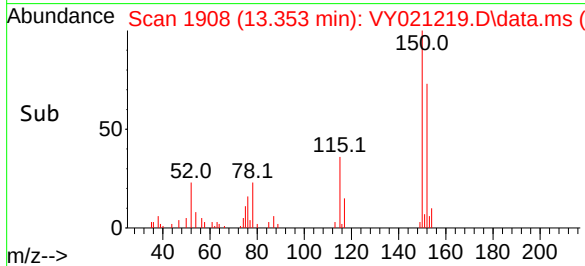


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.353 min Scan# 1908
 Delta R.T. -0.000 min
 Lab File: VY021219.D
 Acq: 17 Feb 2025 14:04

Instrument :
 MSVOA_Y
 ClientSampleId :

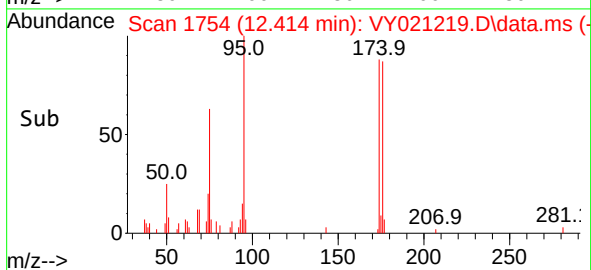
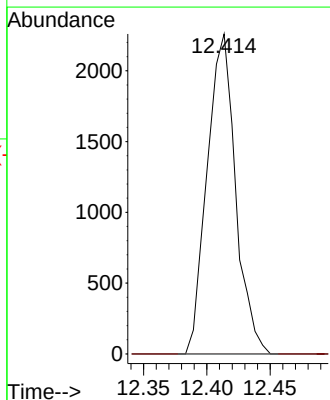
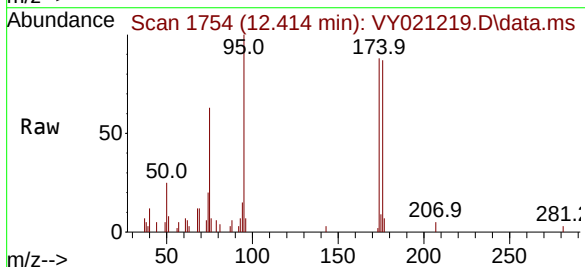


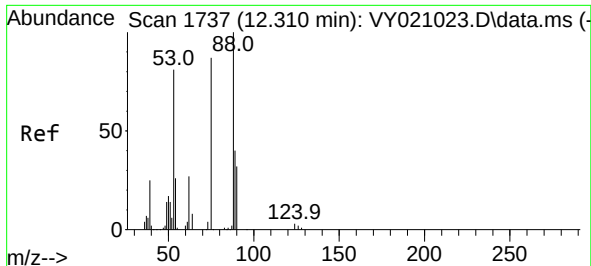
Tgt Ion:152 Resp: 4316
 Ion Ratio Lower Upper
 152 100
 115 59.3 30.0 90.0
 150 151.7 0.0 344.6



#76
 1,2,3-Trichloropropane
 Concen: 90.290 ug/l
 RT: 12.414 min Scan# 1754
 Delta R.T. -0.146 min
 Lab File: VY021219.D
 Acq: 17 Feb 2025 14:04

Tgt Ion: 75 Resp: 3535
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

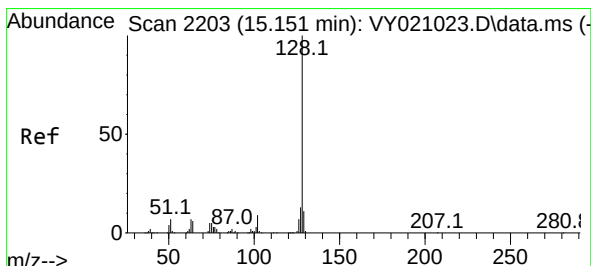
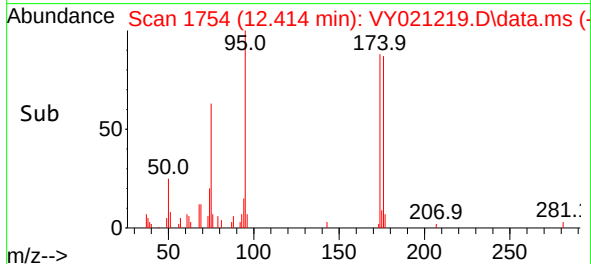
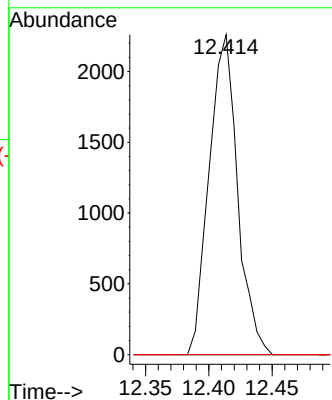
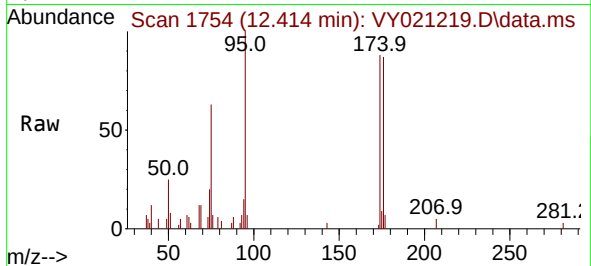




#81
trans-1,4-Dichloro-2-butene
Concen: 184.236 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.103 min
Lab File: VY021219.D
Acq: 17 Feb 2025 14:04

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 3535
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#95
Naphthalene
Concen: 1.059 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.006 min
Lab File: VY021219.D
Acq: 17 Feb 2025 14:04

Tgt Ion: 128 Resp: 123
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 12.8#

