

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101724\
 Data File : VY019938.D
 Acq On : 17 Oct 2024 17:35
 Operator : SY/MD
 Sample : VIBLK
 Misc : 412g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 18 01:45:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 05:44:48 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

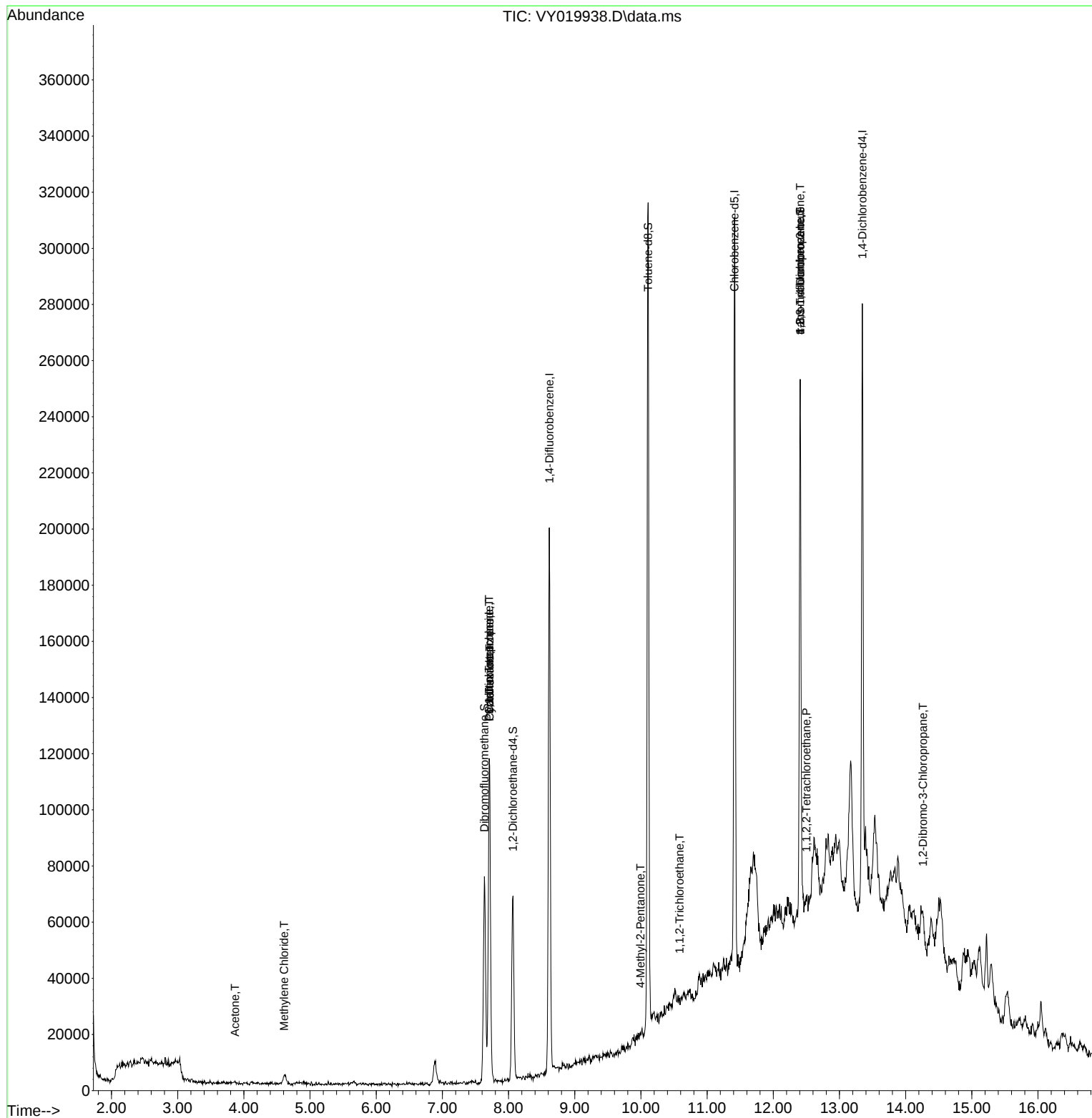
Internal Standards						
1) Pentafluorobenzene	7.713	168	79183	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	152426	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.413	117	131857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	45657	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.066	65	51723	53.051	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.100%			
35) Dibromofluoromethane	7.634	113	50652	50.358	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.720%			
50) Toluene-d8	10.109	98	187863	50.576	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.160%			
62) 4-Bromofluorobenzene	12.407	95	57493	42.837	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 85.680%			
Target Compounds						
11) Tert butyl alcohol	4.884	59	38	Below Cal	#	1
16) Acetone	3.866	43	602	2.372	ug/l #	60
20) Methylene Chloride	4.610	84	2268	1.639	ug/l #	93
31) Cyclohexane	7.713	56	2602	1.597	ug/l #	18
36) 1,1-Dichloropropene	7.707	75	8287	5.719	ug/l #	49
38) Carbon Tetrachloride	7.707	117	9038	5.818	ug/l #	19
51) 4-Methyl-2-Pentanone	9.993	43	1104	1.405	ug/l #	76
55) 1,1,2-Trichloroethane	10.584	97	919	1.163	ug/l #	65
75) 1,1,2,2-Tetrachloroethane	12.499	83	686	1.005	ug/l #	63
76) 1,2,3-Trichloropropane	12.407	75	31931	35.700	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	31931	144.100	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.261	75	136	1.249	ug/l #	48

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

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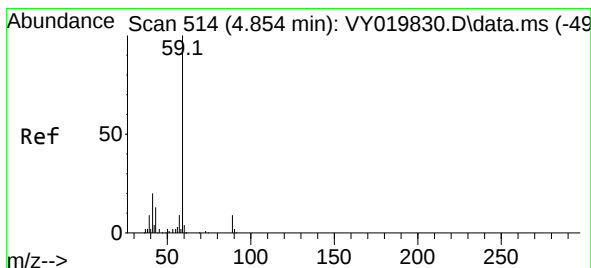
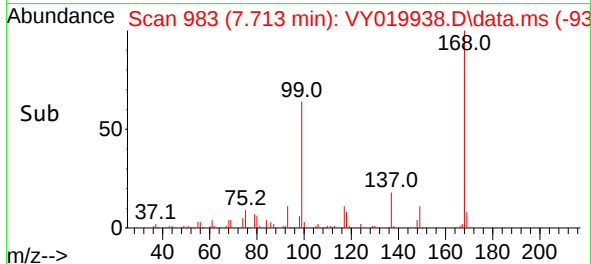
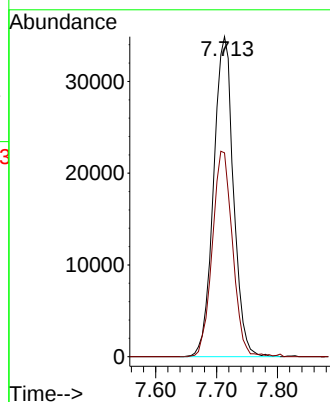
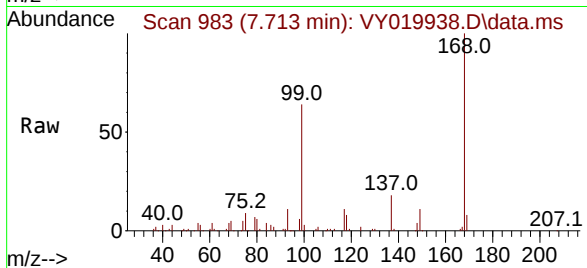




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019938.D
Acq: 17 Oct 2024 17:35

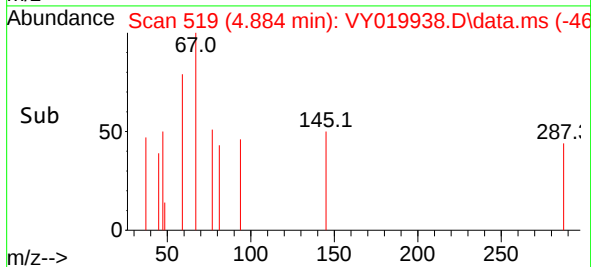
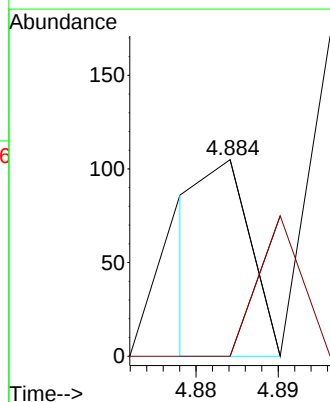
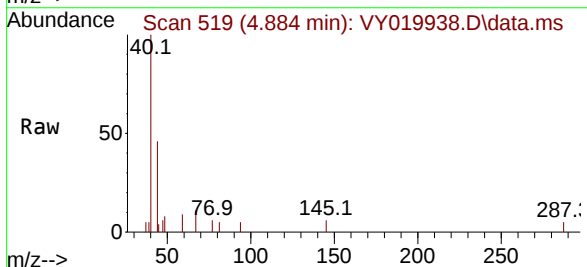
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 79183
Ion Ratio Lower Upper
168 100
99 63.7 39.1 58.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.884 min Scan# 519
Delta R.T. 0.024 min
Lab File: VY019938.D
Acq: 17 Oct 2024 17:35

Tgt Ion: 59 Resp: 38
Ion Ratio Lower Upper
59 100
57 71.1 3.0 4.6#

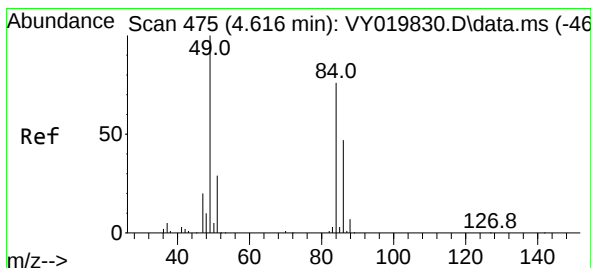
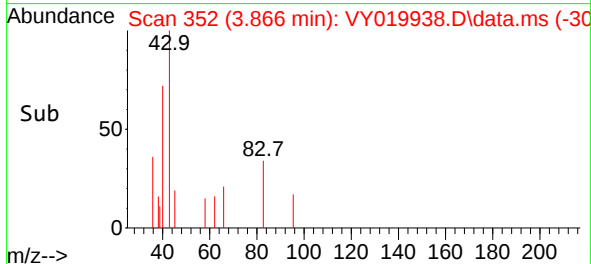
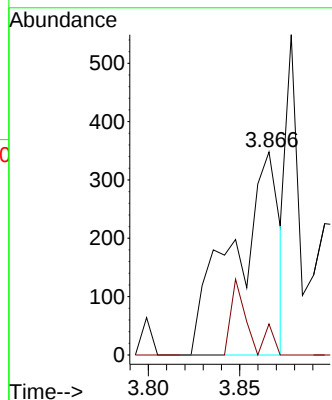
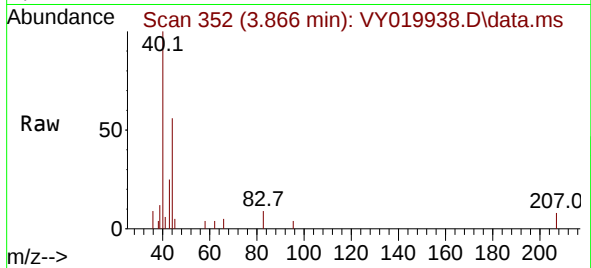




#16
Acetone
Concen: 2.372 ug/l
RT: 3.866 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY019938.D
Acq: 17 Oct 2024 17:35

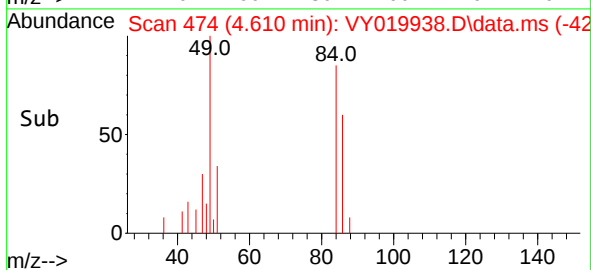
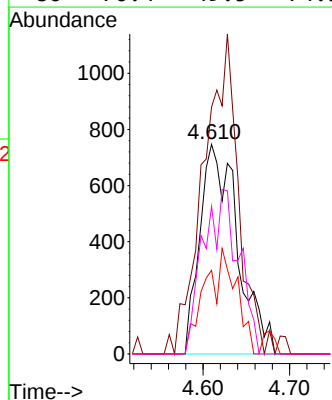
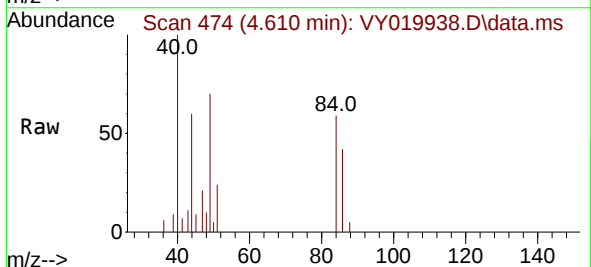
Instrument :
MSVOA_Y
ClientSampleId :

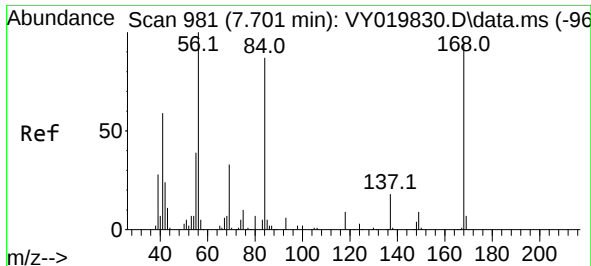
Tgt Ion: 43 Resp: 602
Ion Ratio Lower Upper
43 100
58 15.2 31.7 47.5#



#20
Methylene Chloride
Concen: 1.639 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY019938.D
Acq: 17 Oct 2024 17:35

Tgt Ion: 84 Resp: 2268
Ion Ratio Lower Upper
84 100
49 109.2 84.4 126.6
51 39.9 26.0 39.0#
86 70.4 49.5 74.3

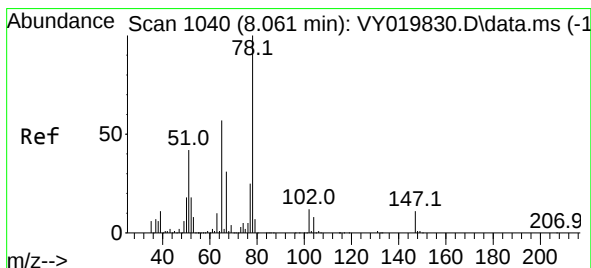
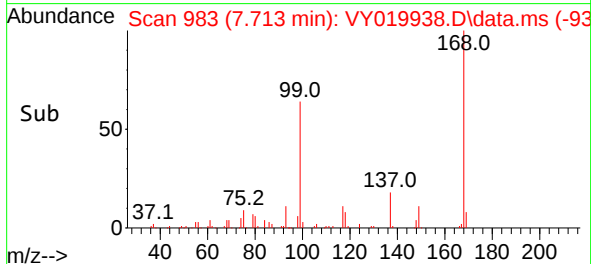
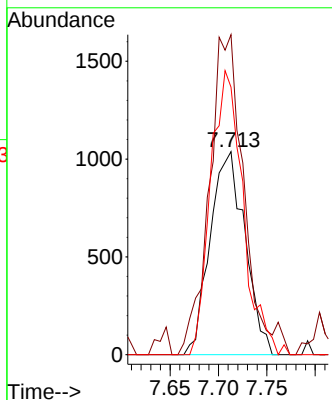
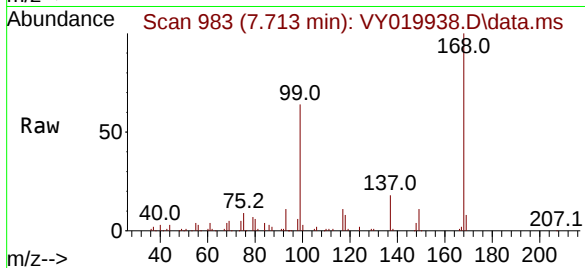




#31
Cyclohexane
Concen: 1.597 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY019938.D
Acq: 17 Oct 2024 17:35

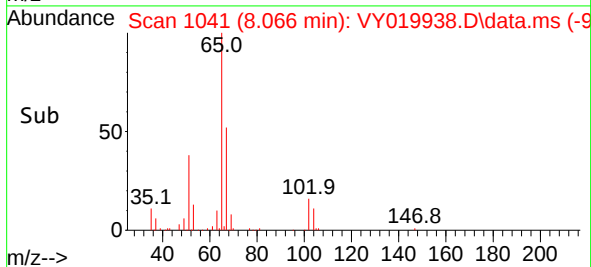
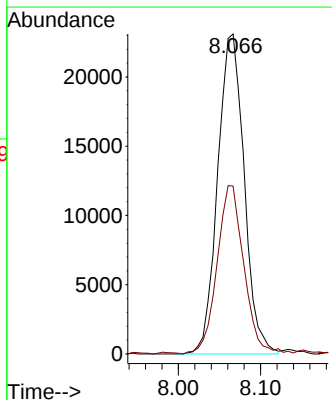
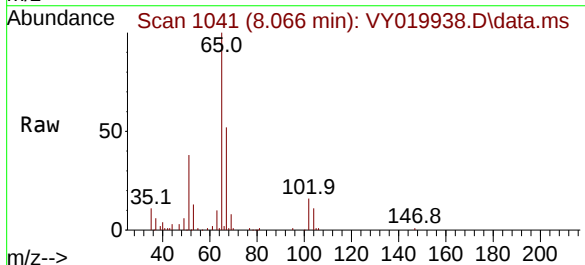
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 56 Resp: 2602
Ion Ratio Lower Upper
56 100
69 157.6 28.7 43.1#
84 131.8 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 53.051 ug/l
RT: 8.066 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY019938.D
Acq: 17 Oct 2024 17:35

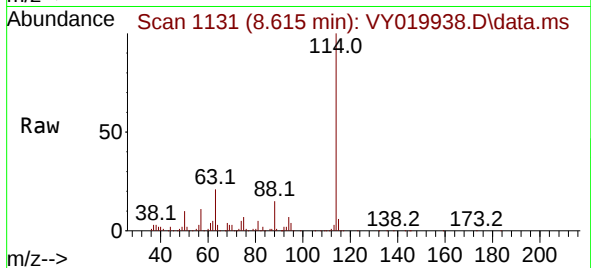
Tgt Ion: 65 Resp: 51723
Ion Ratio Lower Upper
65 100
67 53.4 0.0 109.6



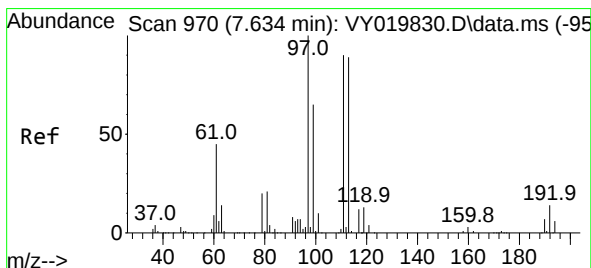
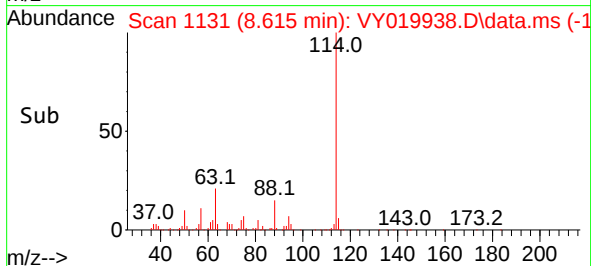
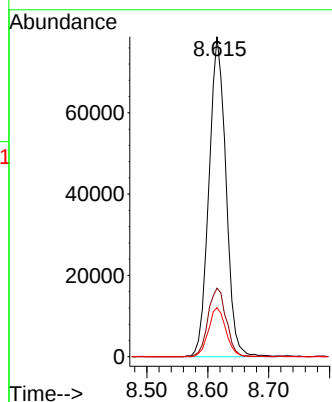


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY019938.D
Acq: 17 Oct 2024 17:35

Instrument :
MSVOA_Y
ClientSampleId :

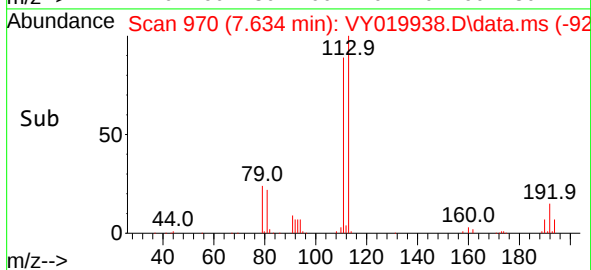
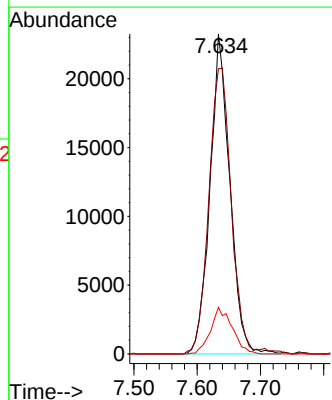
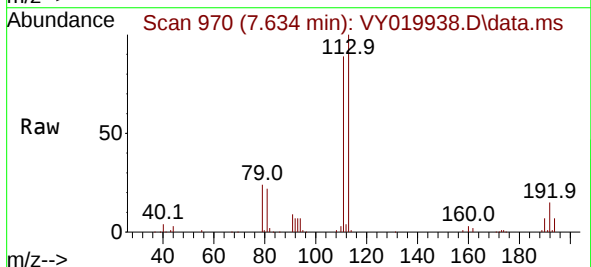


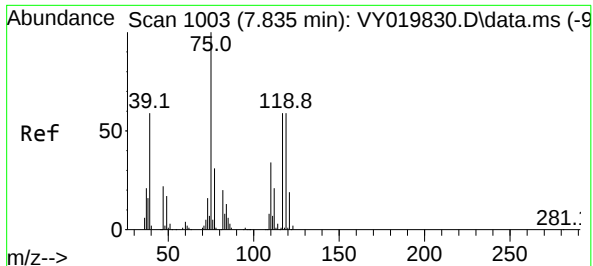
Tgt Ion:114 Resp: 152426
Ion Ratio Lower Upper
114 100
63 21.4 0.0 35.0
88 15.3 0.0 27.2



#35
Dibromofluoromethane
Concen: 50.358 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY019938.D
Acq: 17 Oct 2024 17:35

Tgt Ion:113 Resp: 50652
Ion Ratio Lower Upper
113 100
111 100.4 82.2 123.4
192 15.9 15.9 23.9#





#36

1,1-Dichloropropene

Concen: 5.719 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY019938.D

Acq: 17 Oct 2024 17:35

Instrument :

MSVOA_Y

ClientSampleId :

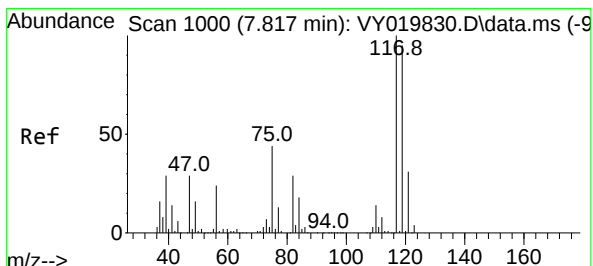
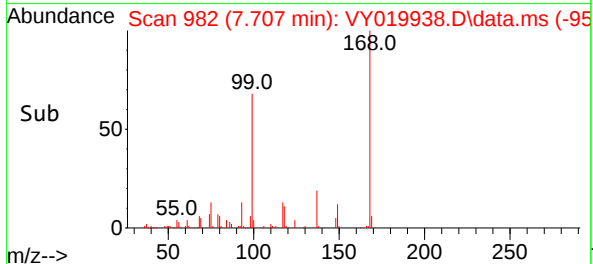
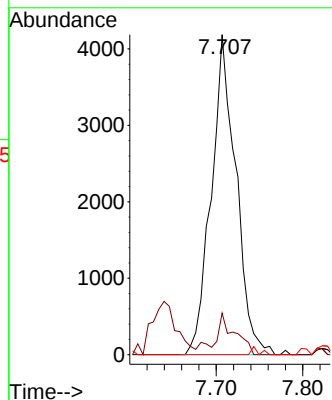
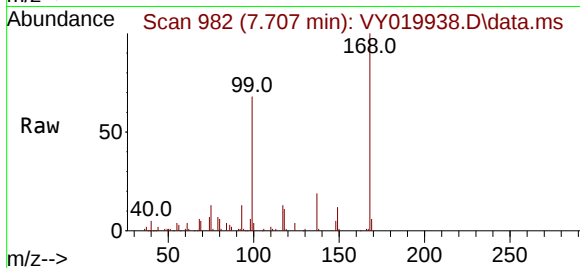
Tgt Ion: 75 Resp: 8287

Ion Ratio Lower Upper

75 100

110 10.3 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.818 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY019938.D

Acq: 17 Oct 2024 17:35

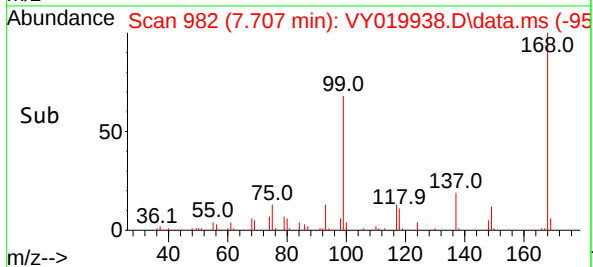
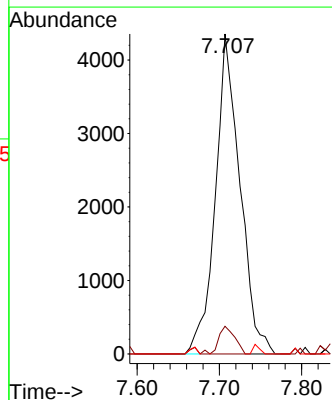
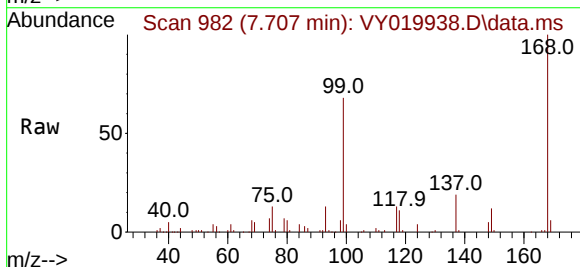
Tgt Ion: 117 Resp: 9038

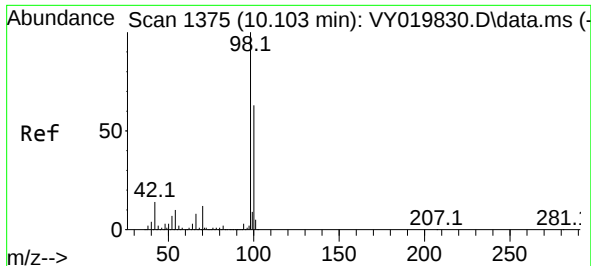
Ion Ratio Lower Upper

117 100

119 8.7 75.8 113.6#

121 0.0 24.0 36.0#

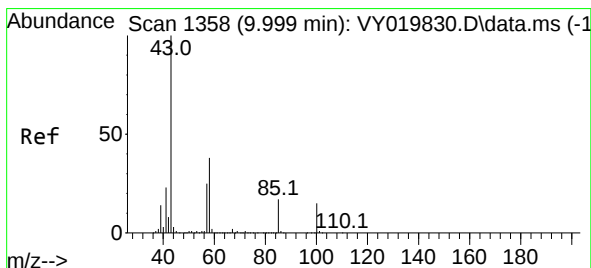
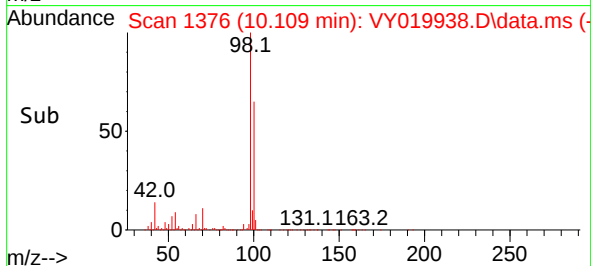
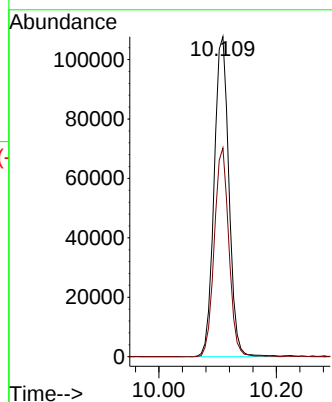
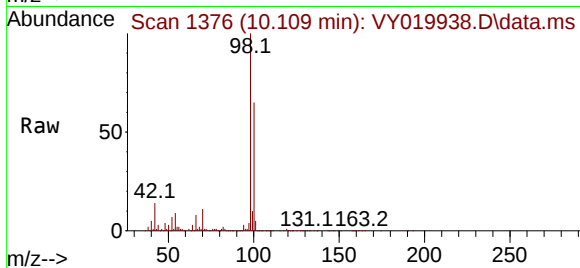




#50
Toluene-d8
Concen: 50.576 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY019938.D
Acq: 17 Oct 2024 17:35

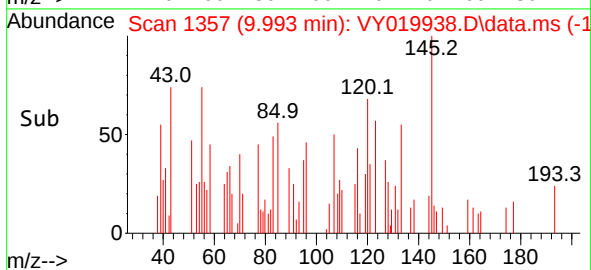
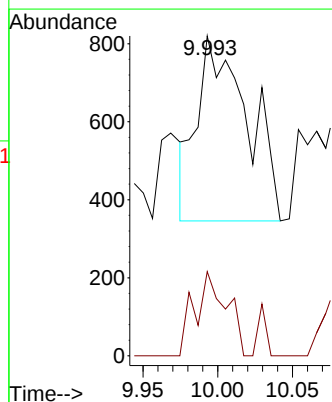
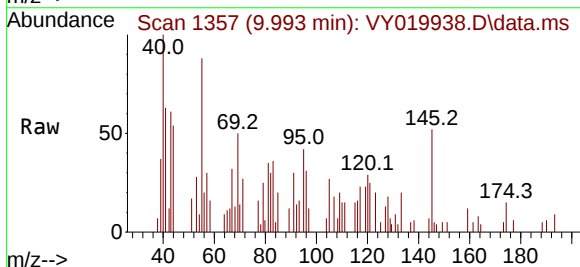
Instrument :
MSVOA_Y
ClientSampleId :

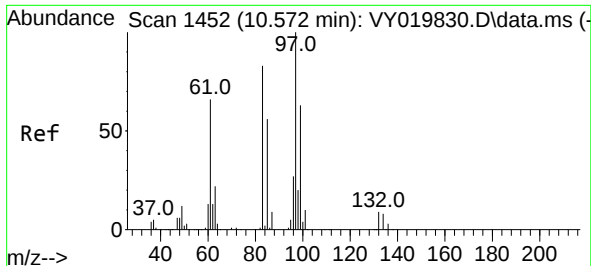
Tgt Ion: 98 Resp: 187863
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.405 ug/l
RT: 9.993 min Scan# 1357
Delta R.T. -0.006 min
Lab File: VY019938.D
Acq: 17 Oct 2024 17:35

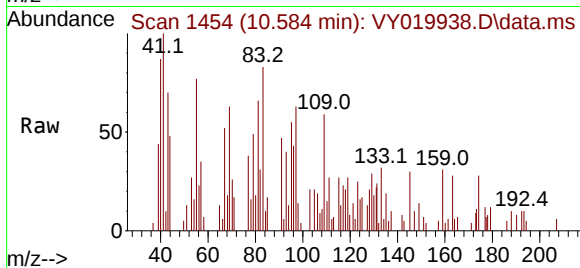
Tgt Ion: 43 Resp: 1104
Ion Ratio Lower Upper
43 100
58 28.9 35.7 53.5#



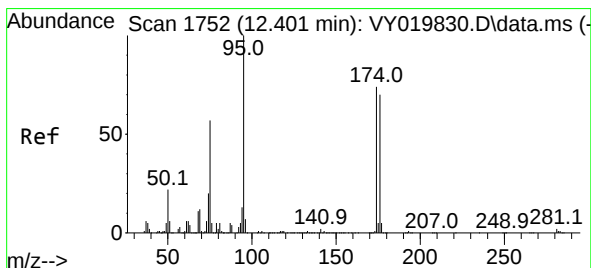
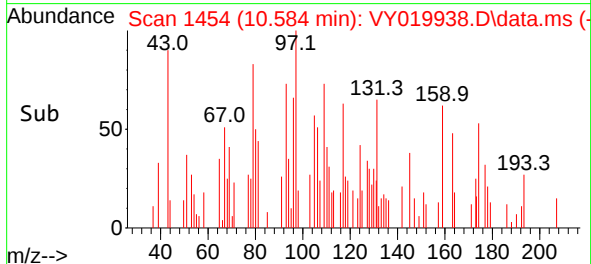
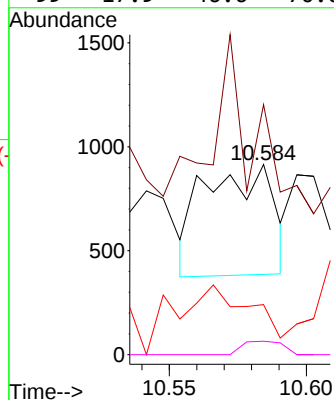


#55
1,1,2-Trichloroethane
Concen: 1.163 ug/l
RT: 10.584 min Scan# 1454
Delta R.T. 0.012 min
Lab File: VY019938.D
Acq: 17 Oct 2024 17:35

Instrument :
MSVOA_Y
ClientSampleId :

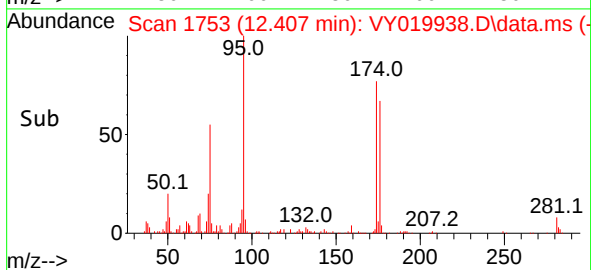
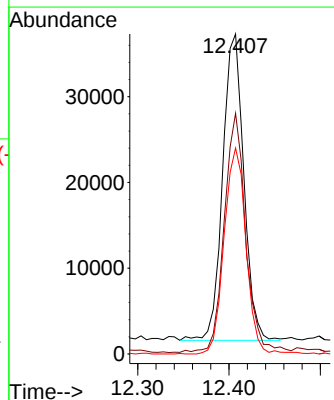
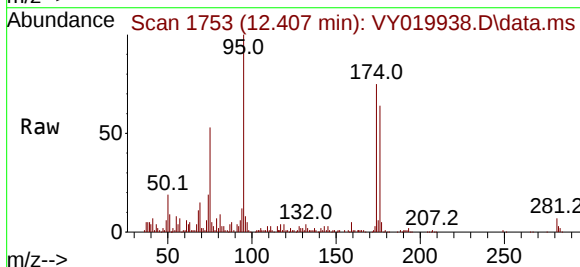


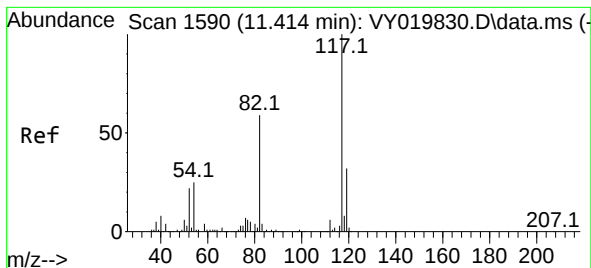
Tgt Ion: 97	Resp: 919
Ion Ratio	Lower Upper
97 100	
83 116.0	67.5 101.3#
85 44.4	42.9 64.3
99 17.9	46.6 70.0#



#62
4-Bromofluorobenzene
Concen: 42.837 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY019938.D
Acq: 17 Oct 2024 17:35

Tgt Ion: 95	Resp: 57493
Ion Ratio	Lower Upper
95 100	
174 79.2	0.0 175.6
176 69.5	0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.413 min Scan# 1

Delta R.T. -0.006 min

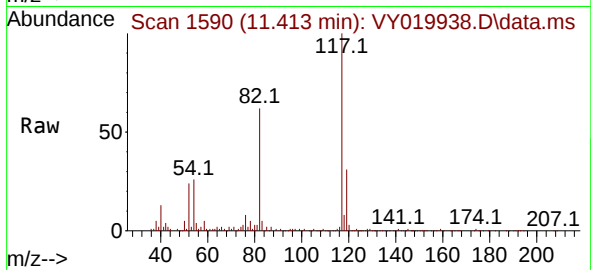
Lab File: VY019938.D

Acq: 17 Oct 2024 17:35

Instrument :

MSVOA_Y

ClientSampleId :



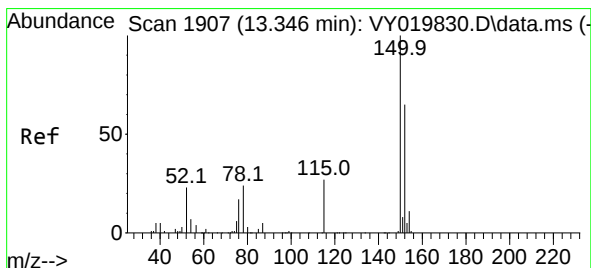
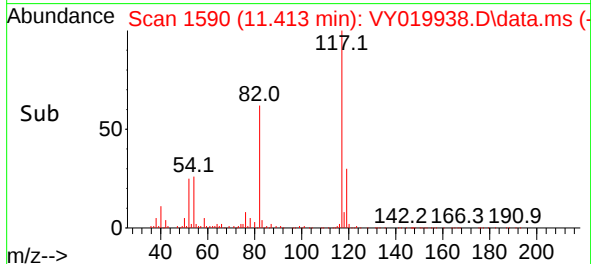
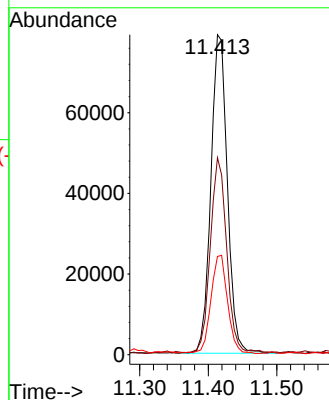
Tgt Ion:117 Resp: 131857

Ion Ratio Lower Upper

117 100

82 61.1 42.4 63.6

119 30.4 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY019938.D

Acq: 17 Oct 2024 17:35

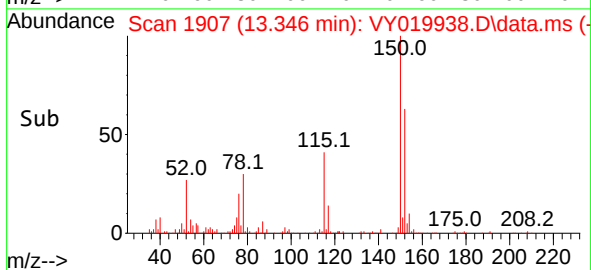
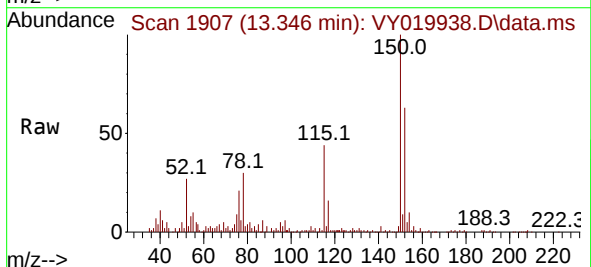
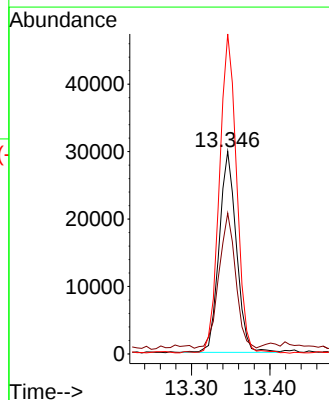
Tgt Ion:152 Resp: 45657

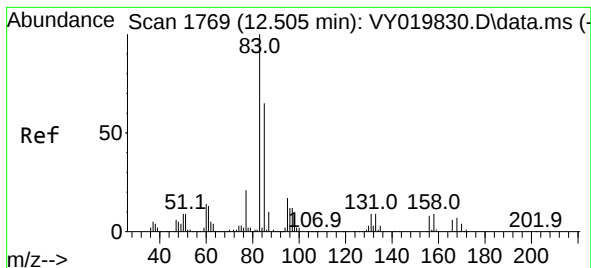
Ion Ratio Lower Upper

152 100

115 66.9 28.2 84.7

150 158.8 0.0 345.6





#75

1,1,2,2-Tetrachloroethane

Concen: 1.005 ug/l

RT: 12.499 min Scan# 1768

Delta R.T. -0.012 min

Lab File: VY019938.D

Acq: 17 Oct 2024 17:35

Instrument :

MSVOA_Y

ClientSampleId :

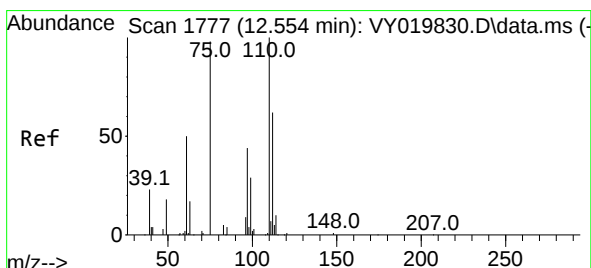
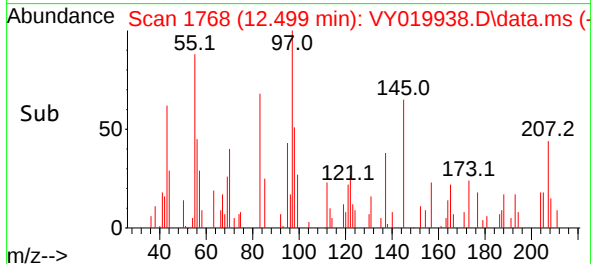
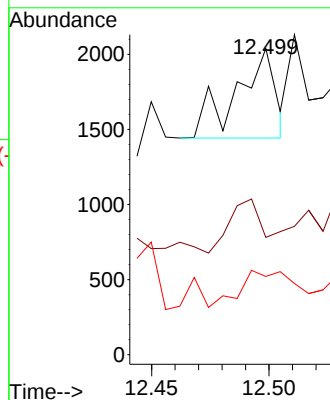
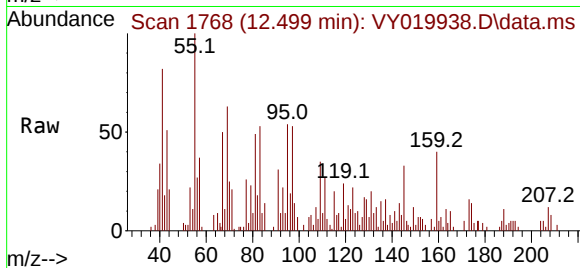
Tgt Ion: 83 Resp: 686

Ion Ratio Lower Upper

83 100

131 112.7 5.0 14.9#

85 64.1 32.0 96.0



#76

1,2,3-Trichloropropane

Concen: 35.700 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.153 min

Lab File: VY019938.D

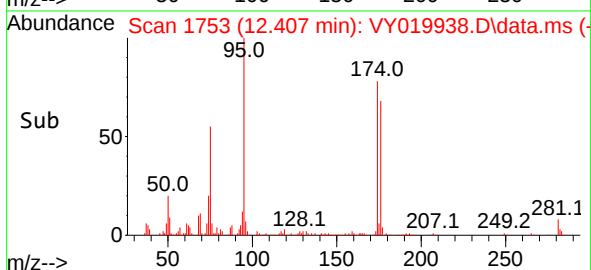
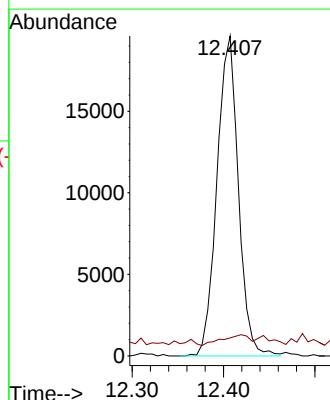
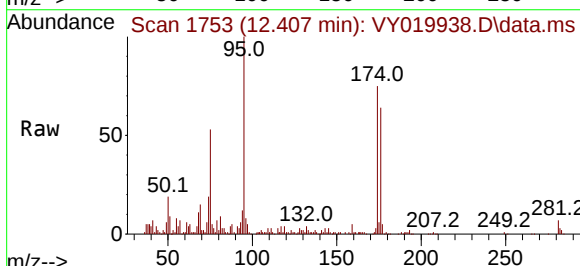
Acq: 17 Oct 2024 17:35

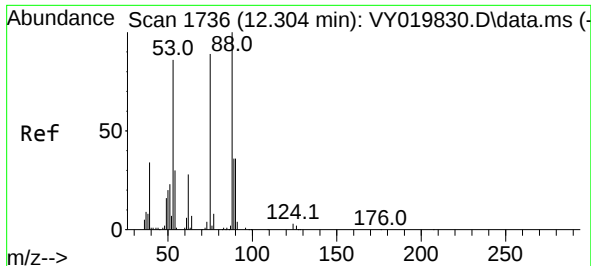
Tgt Ion: 75 Resp: 31931

Ion Ratio Lower Upper

75 100

77 4.3 0.0 0.0#

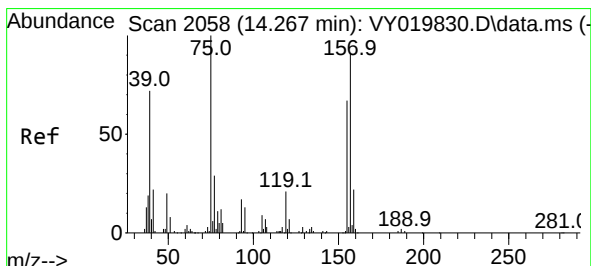
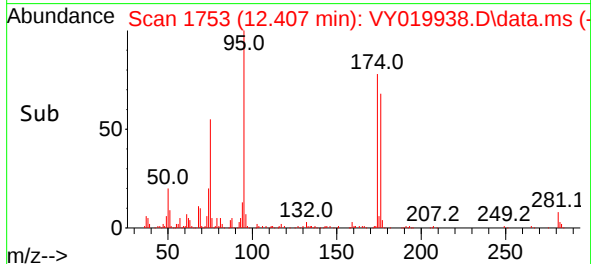
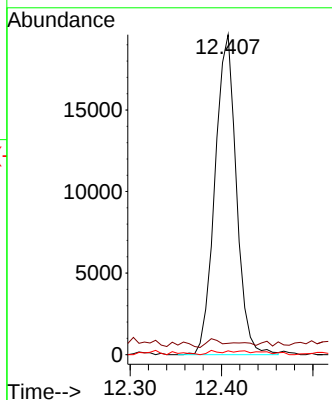
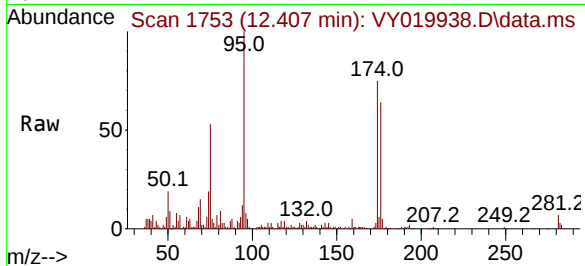




#81
trans-1,4-Dichloro-2-butene
Concen: 144.100 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY019938.D
Acq: 17 Oct 2024 17:35

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 31931
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.4 35.8 53.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.249 ug/l
RT: 14.261 min Scan# 2057
Delta R.T. -0.012 min
Lab File: VY019938.D
Acq: 17 Oct 2024 17:35

Tgt Ion: 75 Resp: 136
Ion Ratio Lower Upper
75 100
155 0.0 48.6 145.8#
157 107.4 62.7 188.2

