

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070722\
 Data File : VY009470.D
 Acq On : 07 Jul 2022 13:49
 Operator : KP/MD
 Sample : VIBK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBK

Quant Time: Jul 08 01:31:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 08 01:24:14 2022
 Response via : Initial Calibration

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

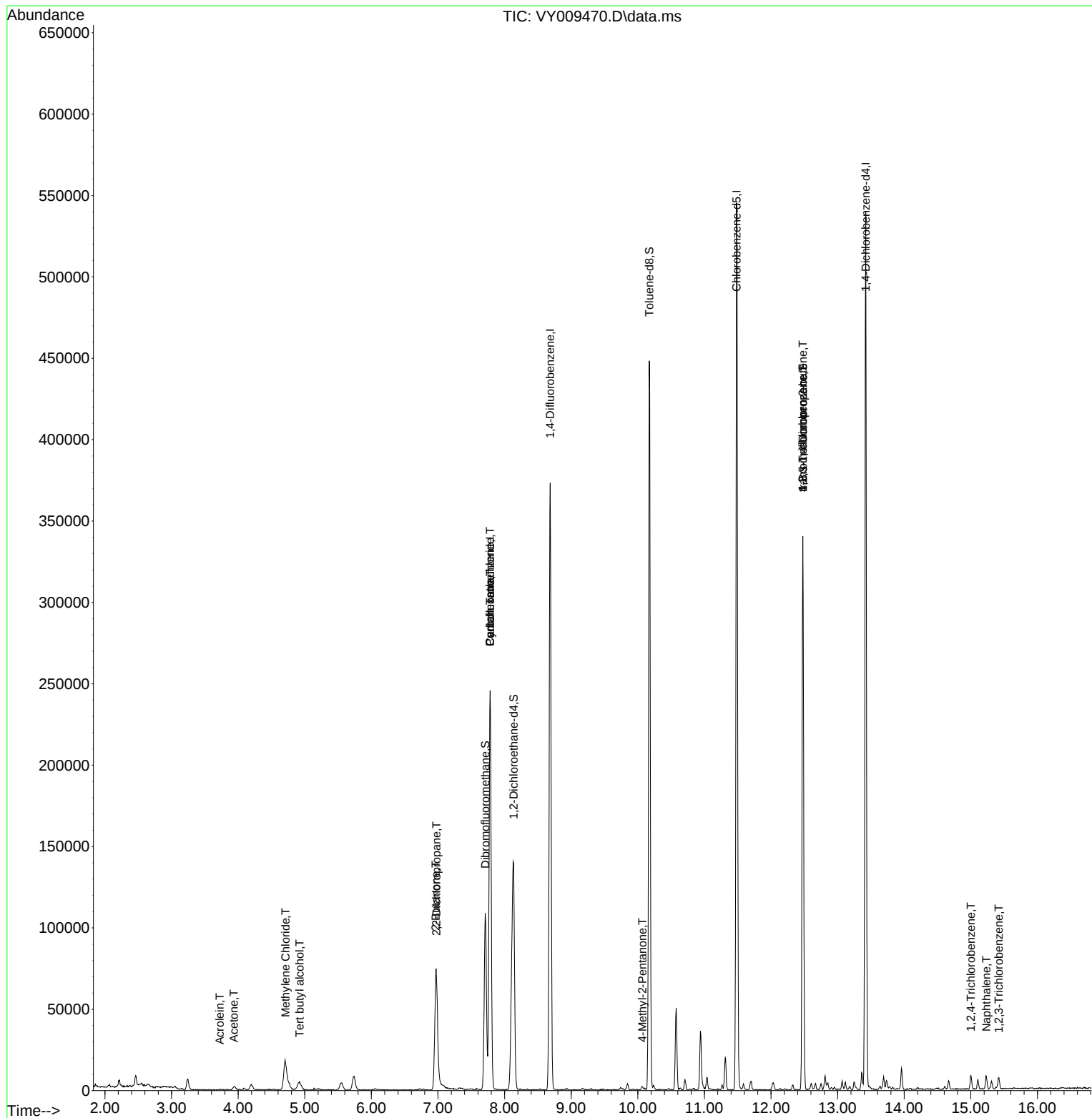
Internal Standards						
1) Pentafluorobenzene	7.783	168	192899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	324160	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	297647	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	136622	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	84806	51.430	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.860%	
35) Dibromofluoromethane	7.710	113	75879	44.487	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 88.980%	
50) Toluene-d8	10.173	98	290213	49.528	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 99.060%	
62) 4-Bromofluorobenzene	12.477	95	94879	39.407	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 78.820%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.923	59	5800	19.528	ug/l #	77
13) Acrolein	3.723	56	206	1.701	ug/l	88
16) Acetone	3.936	43	3901	8.313	ug/l	100
20) Methylene Chloride	4.710	84	12456	4.716	ug/l	88
25) 2-Butanone	6.966	43	4613	6.077	ug/l	97
26) 2,2-Dichloropropane	6.978	77	5297	1.651	ug/l #	55
31) Cyclohexane	7.783	56	4491	1.419	ug/l #	18
38) Carbon Tetrachloride	7.783	117	18178	6.121	ug/l #	15
51) 4-Methyl-2-Pentanone	10.069	43	1794	1.050	ug/l	95
76) 1,2,3-Trichloropropane	12.477	75	49463	20.527	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	49463	69.997	ug/l #	7
93) 1,2,4-Trichlorobenzene	15.001	180	2929	1.167	ug/l	86
95) Naphthalene	15.233	128	6421	1.238	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.422	180	2513	1.156	ug/l	94

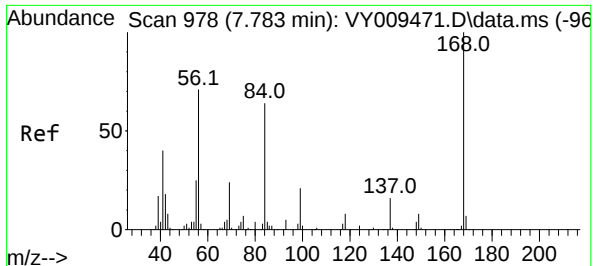
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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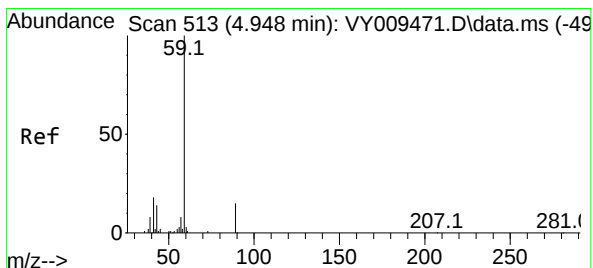
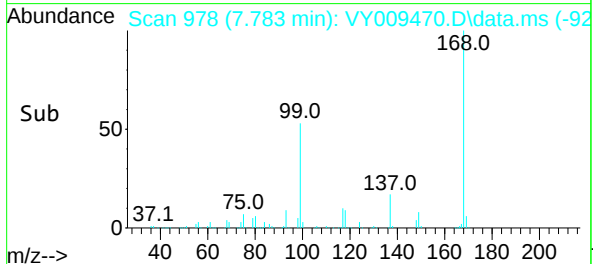
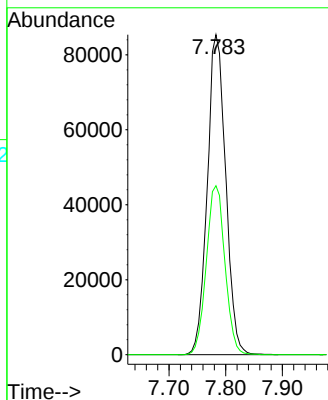
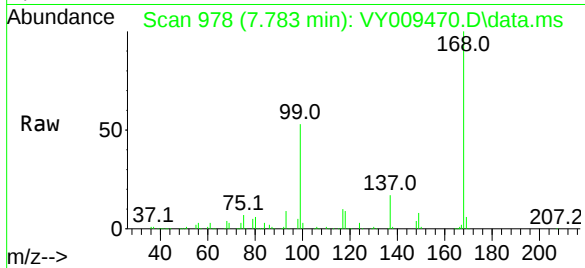




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009470.D
Acq: 07 Jul 2022 13:49

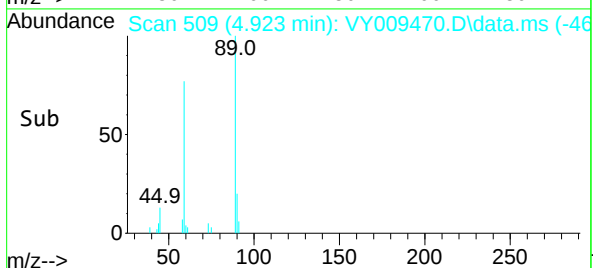
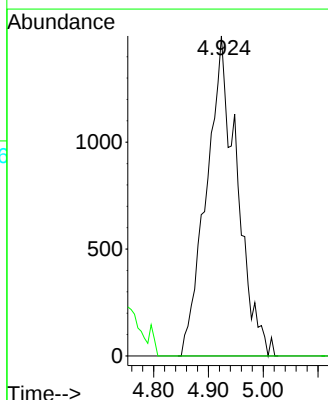
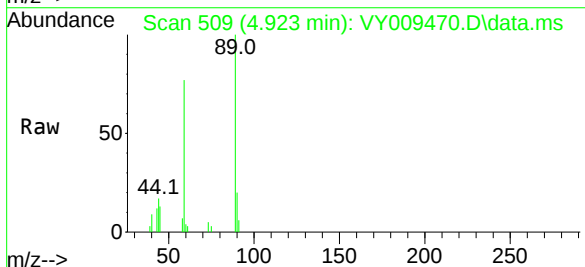
Instrument :
MSVOA_Y
ClientSampleId :
VIBK

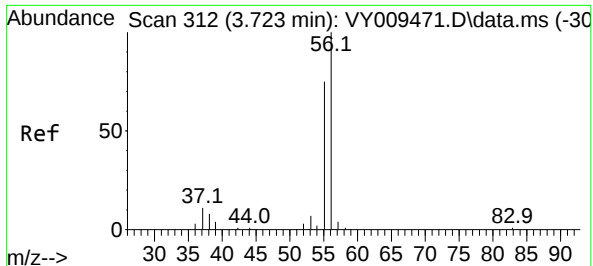
Tgt Ion:168 Resp: 192899
Ion Ratio Lower Upper
168 100
99 52.8 46.9 70.3



#11
Tert butyl alcohol
Concen: 19.528 ug/l
RT: 4.923 min Scan# 509
Delta R.T. -0.024 min
Lab File: VY009470.D
Acq: 07 Jul 2022 13:49

Tgt Ion: 59 Resp: 5800
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

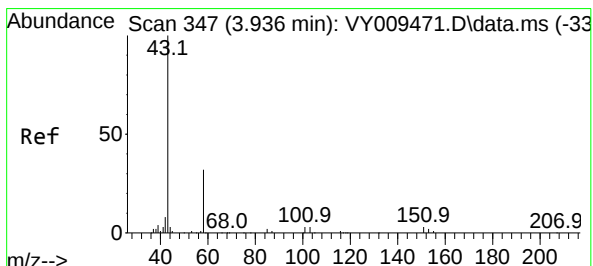
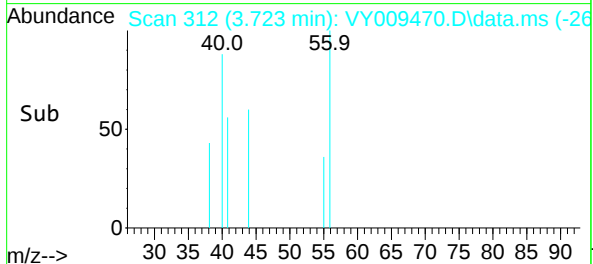
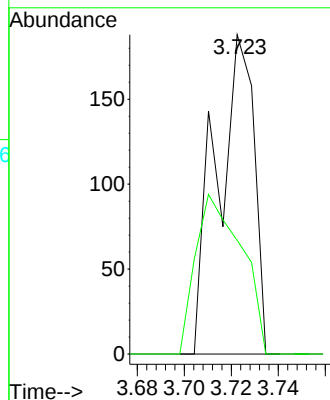
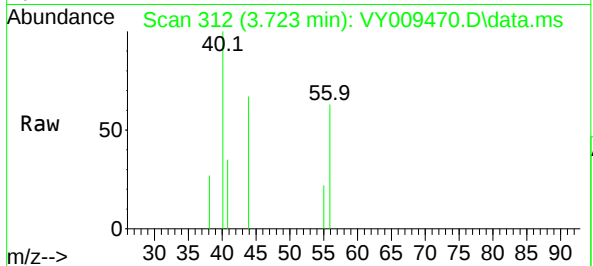




#13
Acrolein
Concen: 1.701 ug/l
RT: 3.723 min Scan# 312
Delta R.T. 0.000 min
Lab File: VY009470.D
Acq: 07 Jul 2022 13:49

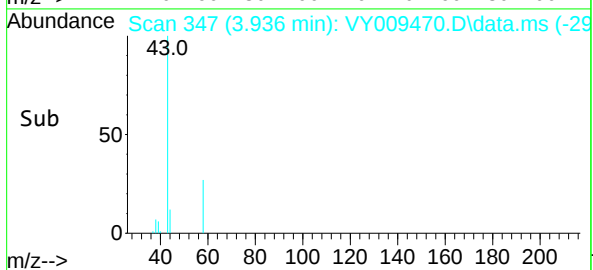
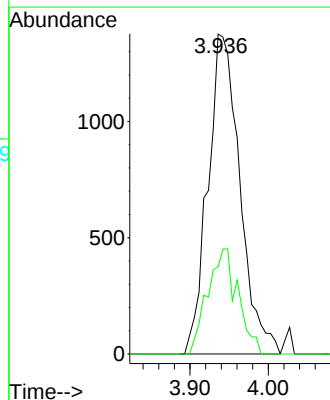
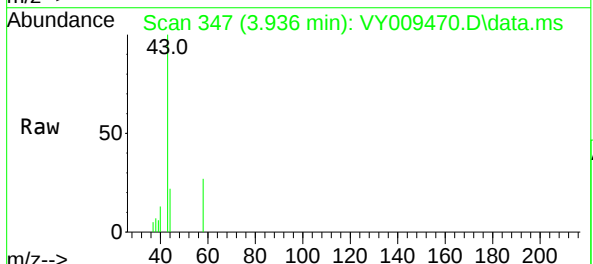
Instrument :
MSVOA_Y
ClientSampleId :
VIBK

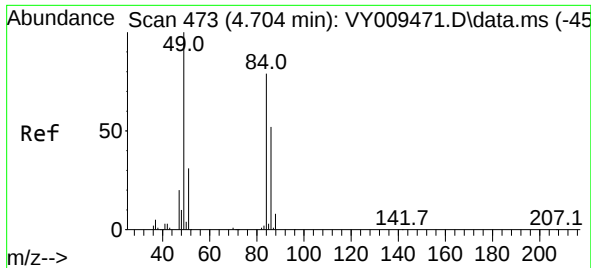
Tgt Ion: 56 Resp: 206
Ion Ratio Lower Upper
56 100
55 62.1 57.6 86.4



#16
Acetone
Concen: 8.313 ug/l
RT: 3.936 min Scan# 347
Delta R.T. 0.000 min
Lab File: VY009470.D
Acq: 07 Jul 2022 13:49

Tgt Ion: 43 Resp: 3901
Ion Ratio Lower Upper
43 100
58 27.3 22.0 33.0



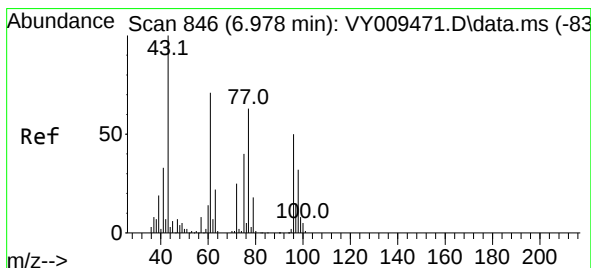
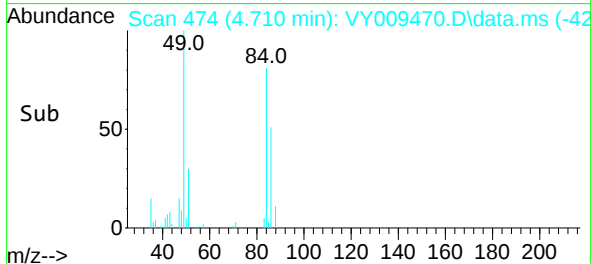
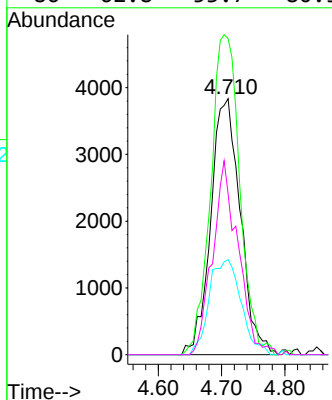
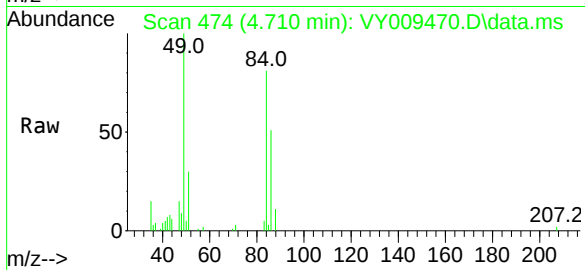


#20
Methylene Chloride
Concen: 4.716 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY009470.D
Acq: 07 Jul 2022 13:49

Instrument :
MSVOA_Y
ClientSampleId :
VIBK

Tgt Ion: 84 Resp: 12456

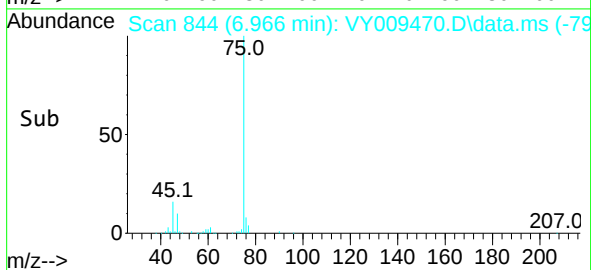
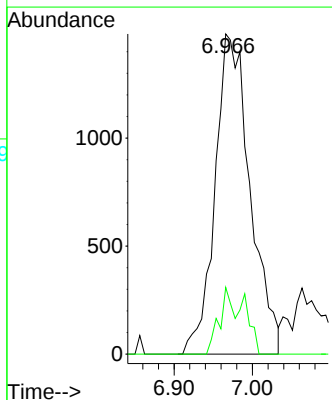
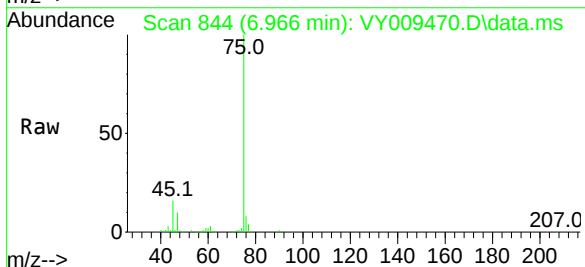
Ion	Ratio	Lower	Upper
84	100		
49	123.5	114.4	171.6
51	37.1	35.3	52.9
86	62.8	53.7	80.5

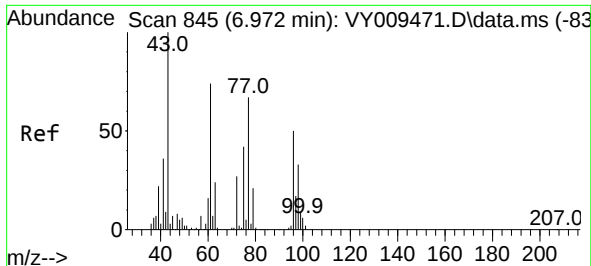


#25
2-Butanone
Concen: 6.077 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.012 min
Lab File: VY009470.D
Acq: 07 Jul 2022 13:49

Tgt Ion: 43 Resp: 4613

Ion	Ratio	Lower	Upper
43	100		
72	20.9	17.7	26.5

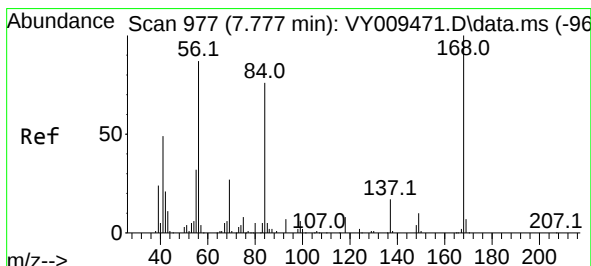
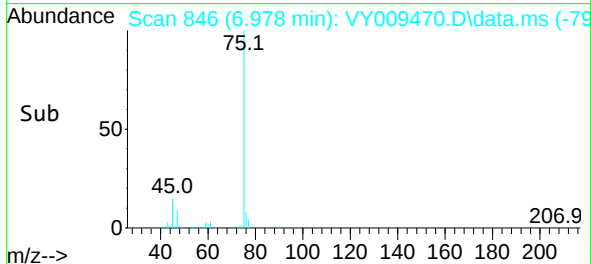
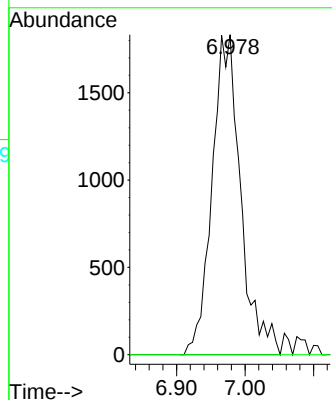
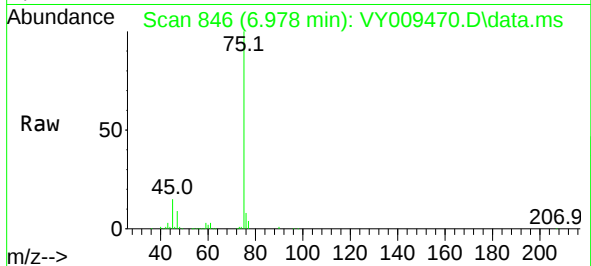




#26
2,2-Dichloropropane
Concen: 1.651 ug/l
RT: 6.978 min Scan# 845
Delta R.T. 0.006 min
Lab File: VY009470.D
Acq: 07 Jul 2022 13:49

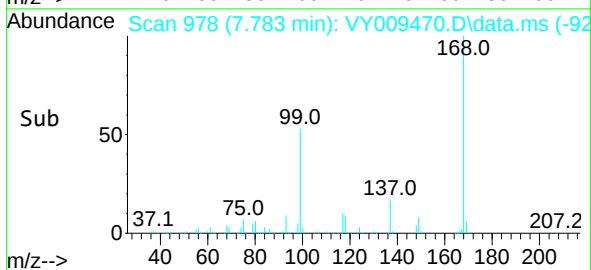
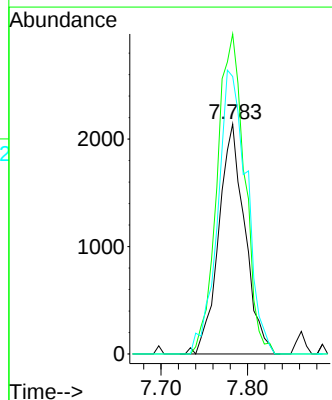
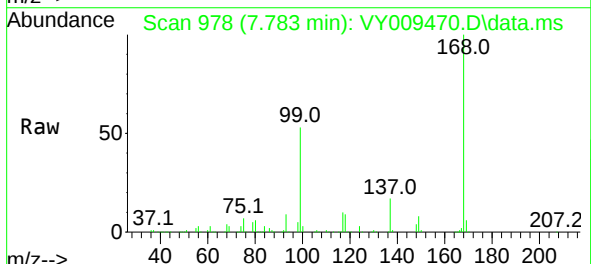
Instrument :
MSVOA_Y
ClientSampleId :
VIBK

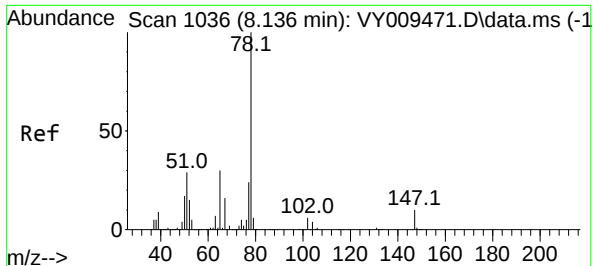
Tgt Ion: 77 Resp: 5297
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#



#31
Cyclohexane
Concen: 1.419 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY009470.D
Acq: 07 Jul 2022 13:49

Tgt Ion: 56 Resp: 4491
Ion Ratio Lower Upper
56 100
69 139.2 26.7 40.1#
84 120.7 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 51.430 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY009470.D

Acq: 07 Jul 2022 13:49

Instrument :

MSVOA_Y

ClientSampleId :

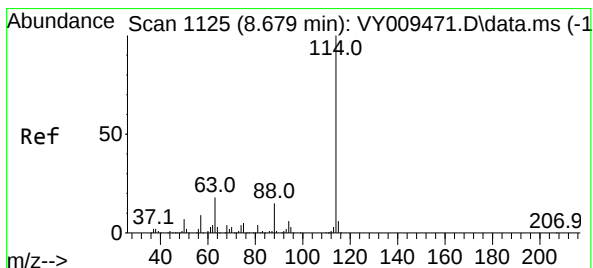
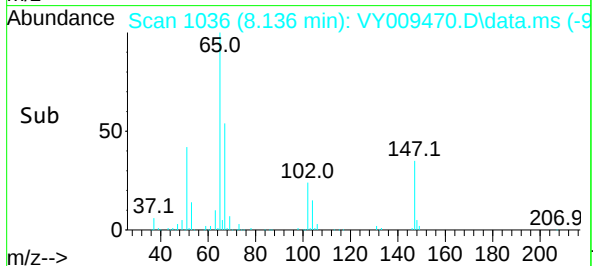
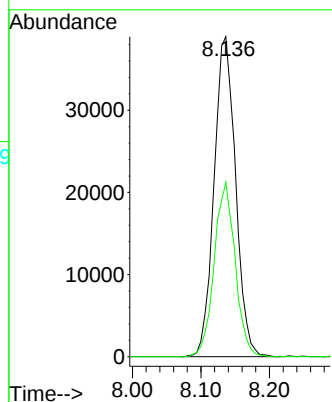
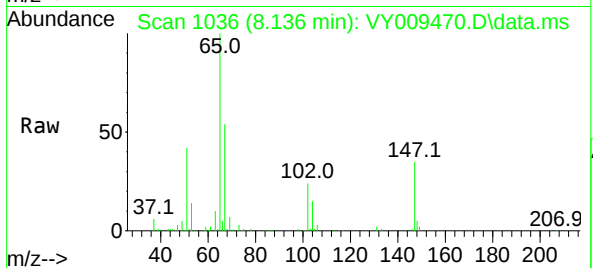
VIBK

Tgt Ion: 65 Resp: 84806

Ion Ratio Lower Upper

65 100

67 53.2 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY009470.D

Acq: 07 Jul 2022 13:49

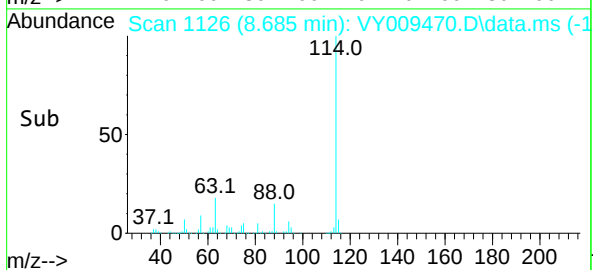
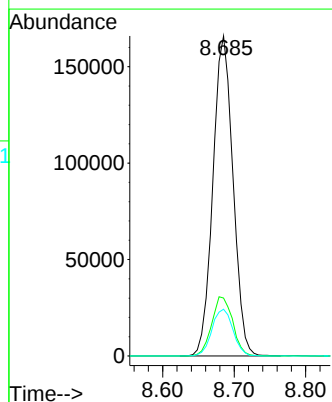
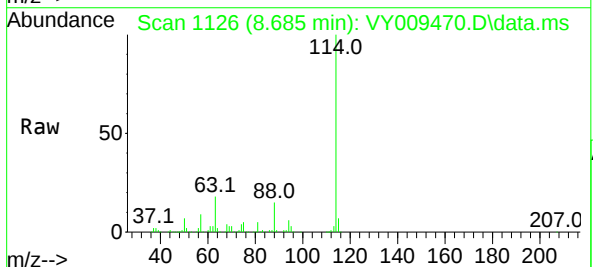
Tgt Ion: 114 Resp: 324160

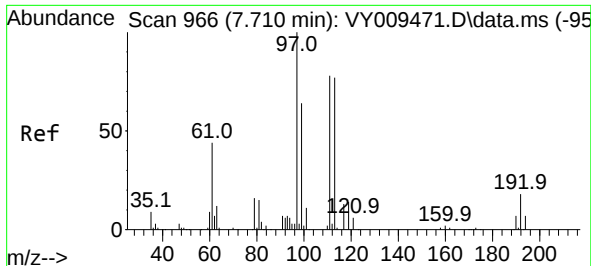
Ion Ratio Lower Upper

114 100

63 18.1 0.0 43.2

88 14.6 0.0 31.8

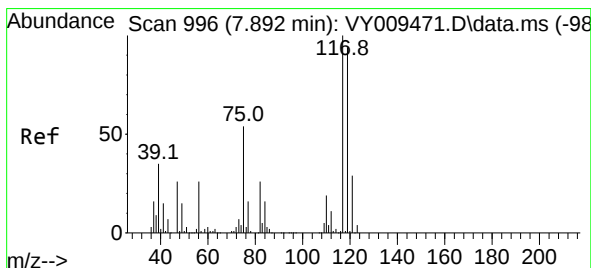
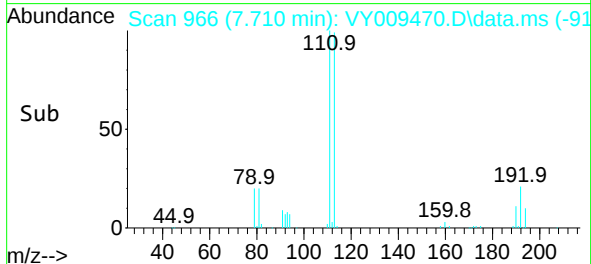
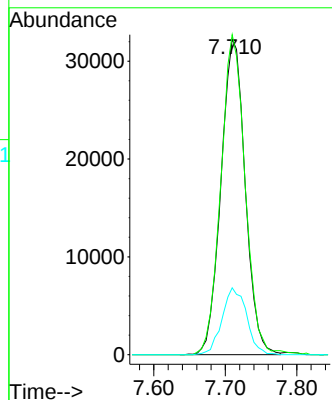
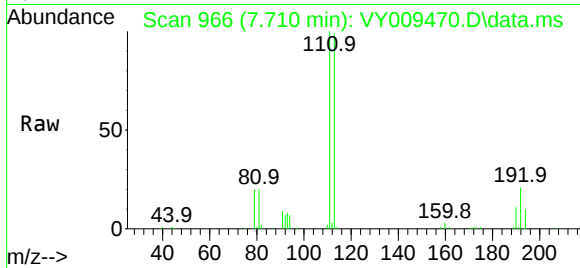




#35
Dibromofluoromethane
Concen: 44.487 ug/l
RT: 7.710 min Scan# 910
Delta R.T. 0.000 min
Lab File: VY009470.D
Acq: 07 Jul 2022 13:49

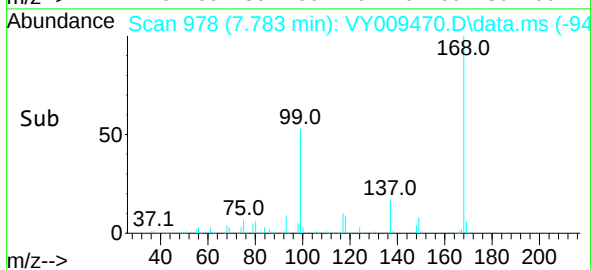
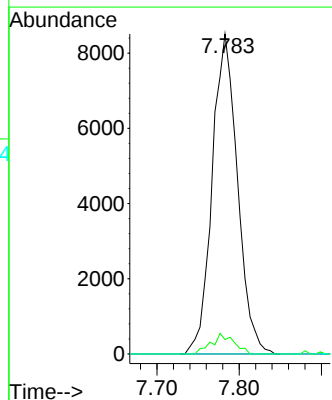
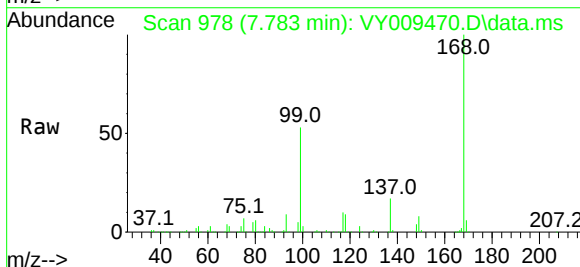
Instrument :
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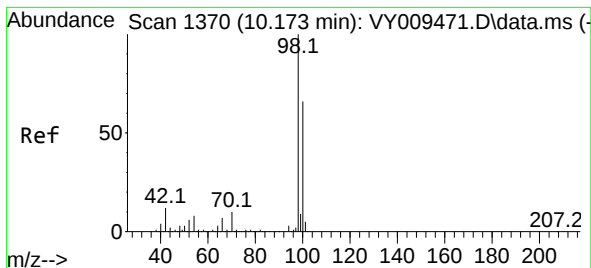
Tgt Ion:113 Resp: 75879
Ion Ratio Lower Upper
113 100
111 102.0 82.6 124.0
192 21.5 17.6 26.4



#38
Carbon Tetrachloride
Concen: 6.121 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.110 min
Lab File: VY009470.D
Acq: 07 Jul 2022 13:49

Tgt Ion:117 Resp: 18178
Ion Ratio Lower Upper
117 100
119 4.5 77.9 116.9#
121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 49.528 ug/l

RT: 10.173 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY009470.D

Acq: 07 Jul 2022 13:49

Instrument :

MSVOA_Y

ClientSampleId :

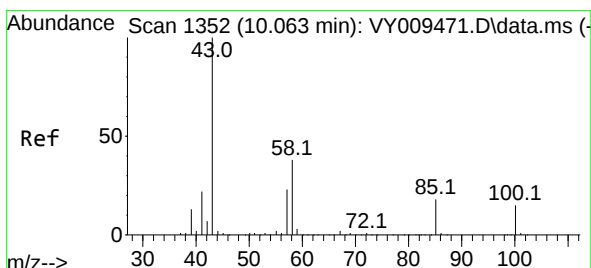
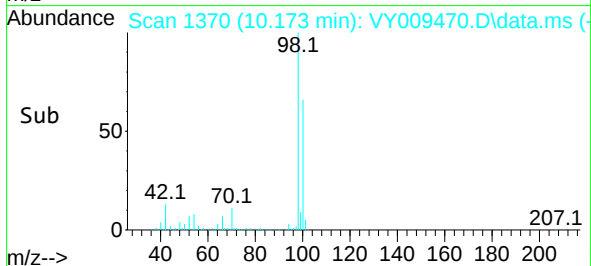
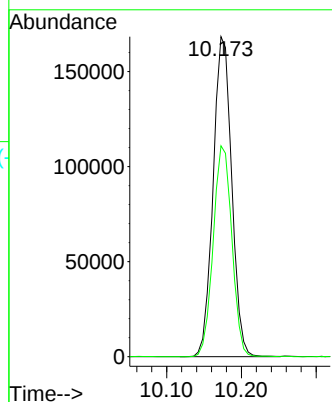
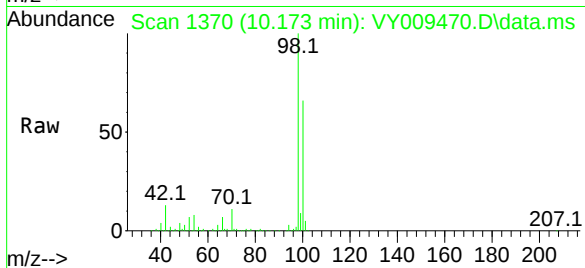
VIBK

Tgt Ion: 98 Resp: 290213

Ion Ratio Lower Upper

98 100

100 66.2 50.2 75.2



#51

4-Methyl-2-Pentanone

Concen: 1.050 ug/l

RT: 10.069 min Scan# 1353

Delta R.T. 0.006 min

Lab File: VY009470.D

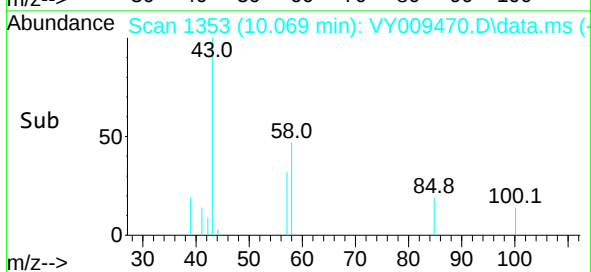
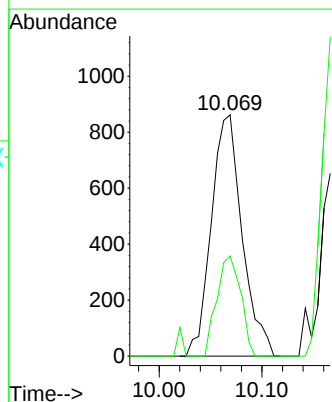
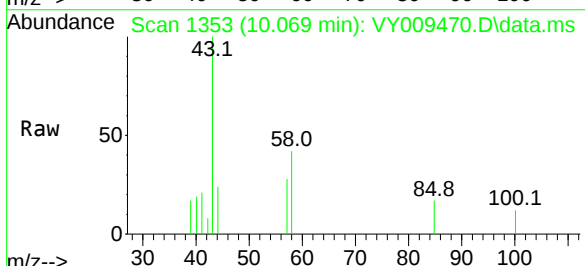
Acq: 07 Jul 2022 13:49

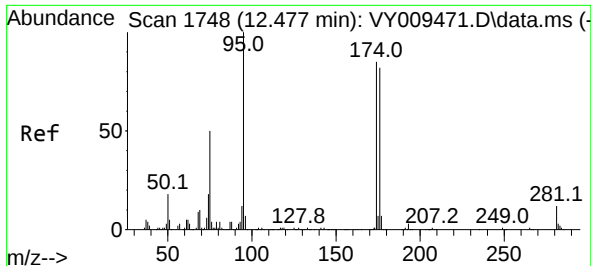
Tgt Ion: 43 Resp: 1794

Ion Ratio Lower Upper

43 100

58 32.2 28.1 42.1

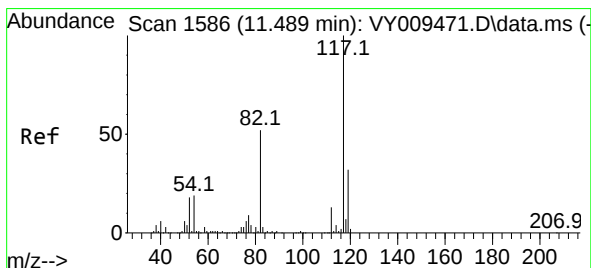
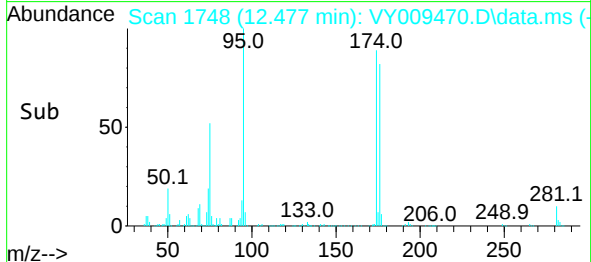
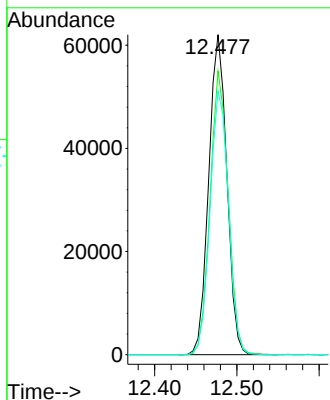
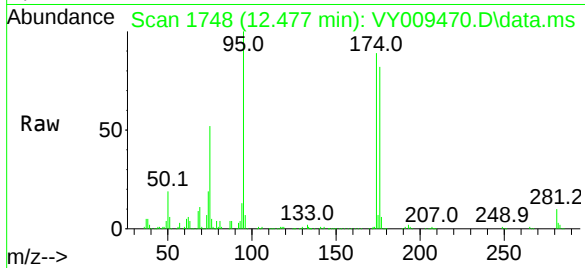




#62
4-Bromofluorobenzene
Concen: 39.407 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009470.D
Acq: 07 Jul 2022 13:49

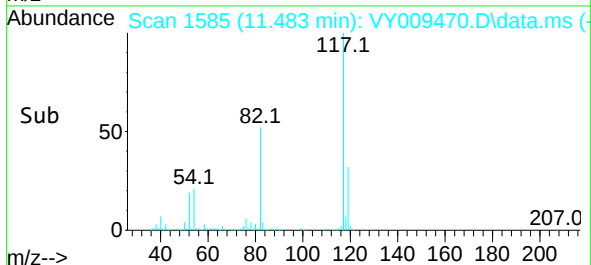
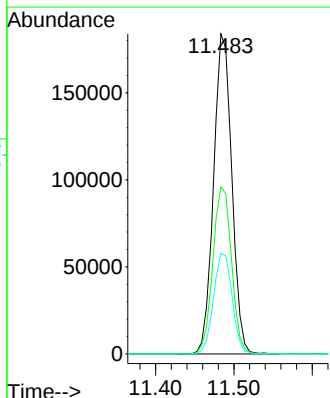
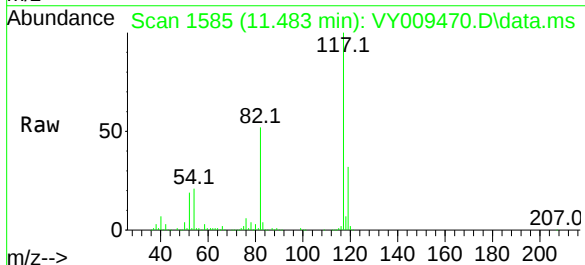
Instrument :
MSVOA_Y
ClientSampleId :
VIBK

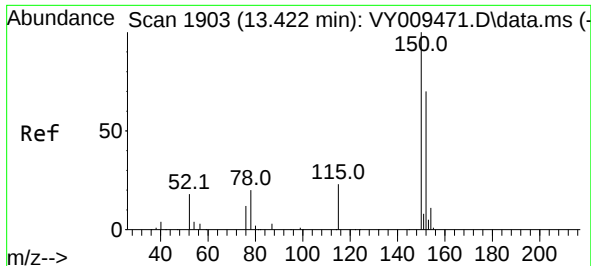
Tgt Ion: 95 Resp: 94879
Ion Ratio Lower Upper
95 100
174 88.7 0.0 177.0
176 83.8 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY009470.D
Acq: 07 Jul 2022 13:49

Tgt Ion: 117 Resp: 297647
Ion Ratio Lower Upper
117 100
82 52.2 43.0 64.4
119 31.5 25.4 38.0

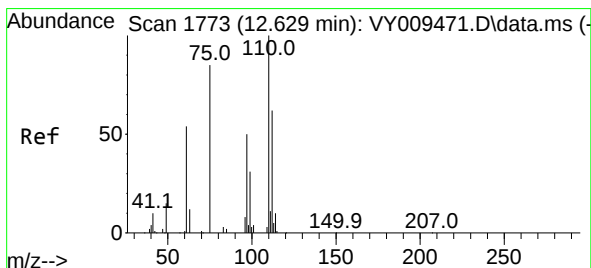
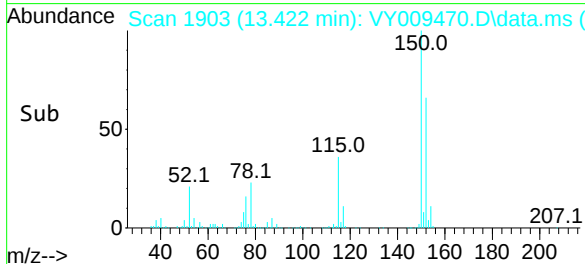
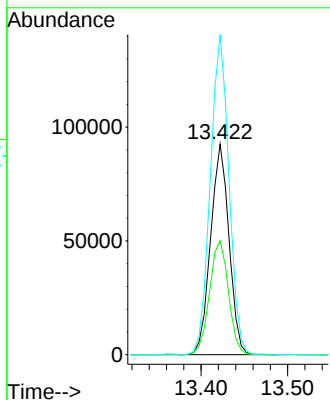
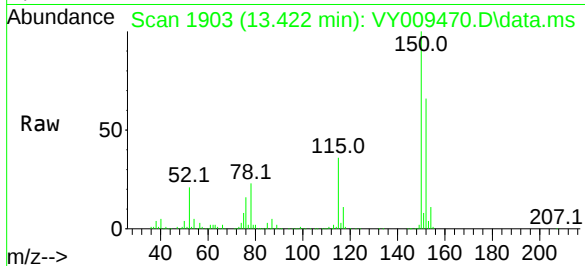




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009470.D
Acq: 07 Jul 2022 13:49

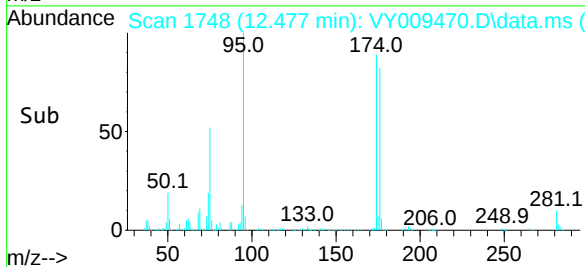
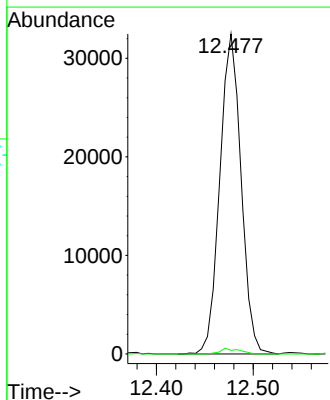
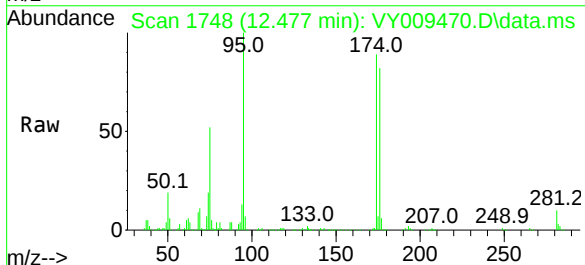
Instrument :
MSVOA_Y
ClientSampleId :
VIBK

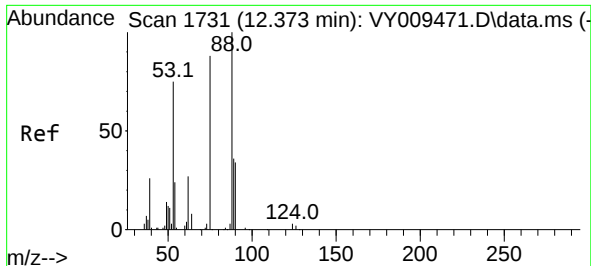
Tgt Ion:152 Resp: 136622
Ion Ratio Lower Upper
152 100
115 55.6 28.2 84.7
150 153.6 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 20.527 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY009470.D
Acq: 07 Jul 2022 13:49

Tgt Ion: 75 Resp: 49463
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#

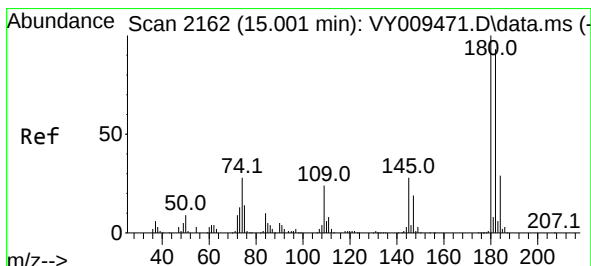
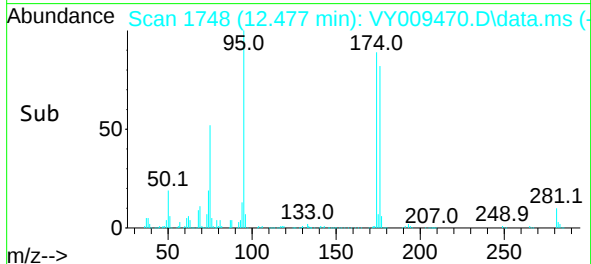
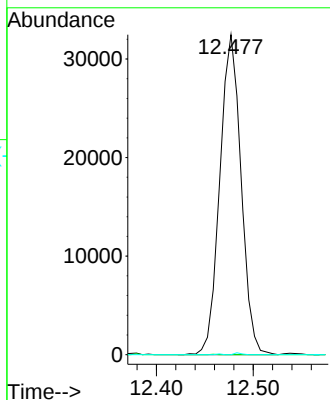
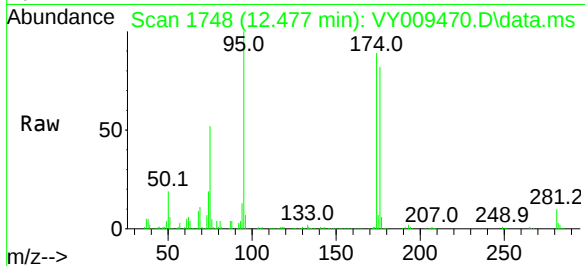




#81
trans-1,4-Dichloro-2-butene
Concen: 69.997 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY009470.D
Acq: 07 Jul 2022 13:49

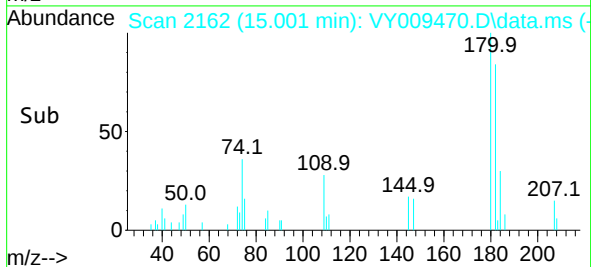
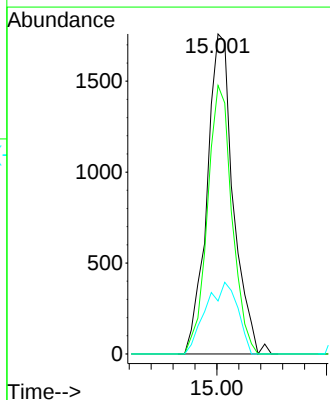
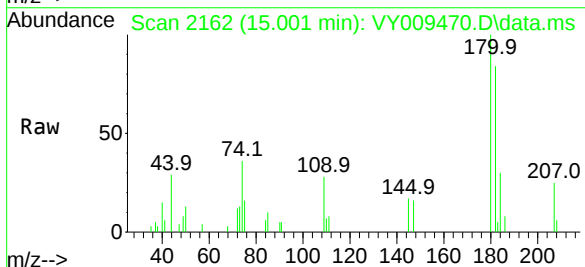
Instrument :
MSVOA_Y
ClientSampleId :
VIBK

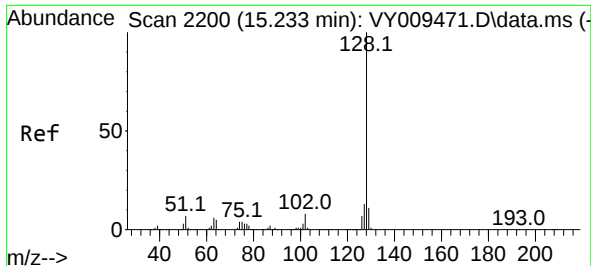
Tgt Ion: 75 Resp: 49463
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.2 37.0 55.4#



#93
1,2,4-Trichlorobenzene
Concen: 1.167 ug/l
RT: 15.001 min Scan# 2162
Delta R.T. 0.000 min
Lab File: VY009470.D
Acq: 07 Jul 2022 13:49

Tgt Ion: 180 Resp: 2929
Ion Ratio Lower Upper
180 100
182 78.3 47.3 141.9
145 27.1 14.6 43.8

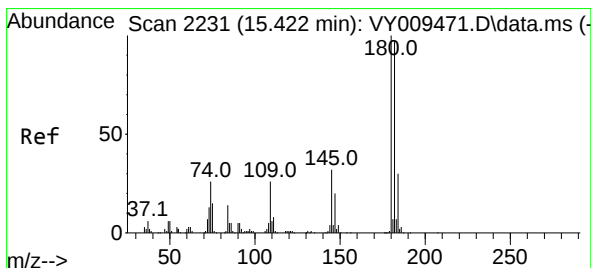
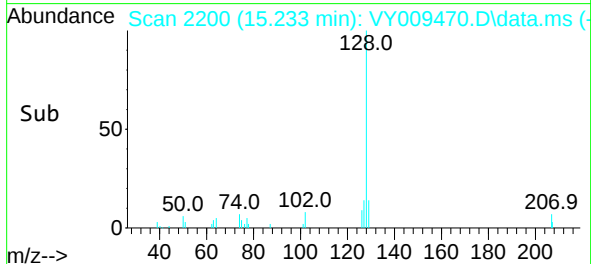
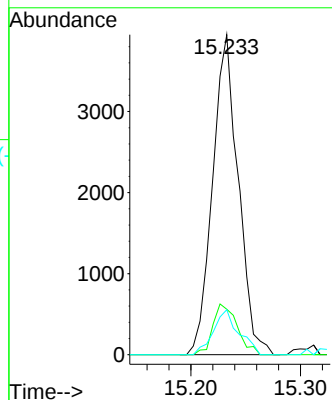
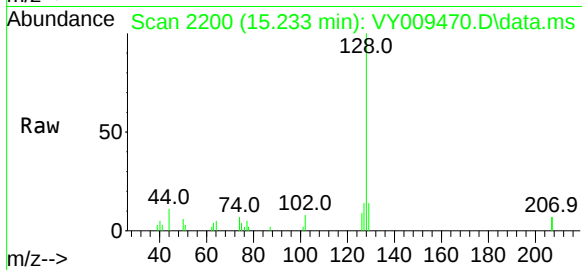




#95
Naphthalene
Concen: 1.238 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. 0.000 min
Lab File: VY009470.D
Acq: 07 Jul 2022 13:49

Instrument :
MSVOA_Y
ClientSampleId :
VIBK

Tgt Ion:128 Resp: 6421
Ion Ratio Lower Upper
128 100
127 15.0 11.0 16.4
129 13.9 8.4 12.6#



#96
1,2,3-Trichlorobenzene
Concen: 1.156 ug/l
RT: 15.422 min Scan# 2231
Delta R.T. 0.000 min
Lab File: VY009470.D
Acq: 07 Jul 2022 13:49

Tgt Ion:180 Resp: 2513
Ion Ratio Lower Upper
180 100
182 88.1 47.3 141.9
145 32.6 15.3 45.9

