

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091422\
 Data File : VY010487.D
 Acq On : 14 Sep 2022 16:23
 Operator : KP/MD
 Sample : N4578-19
 Misc : 3.62g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CHERRY-HILL-COMP-5

Quant Time: Sep 15 01:10:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 09 17:08:30 2022
 Response via : Initial Calibration

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

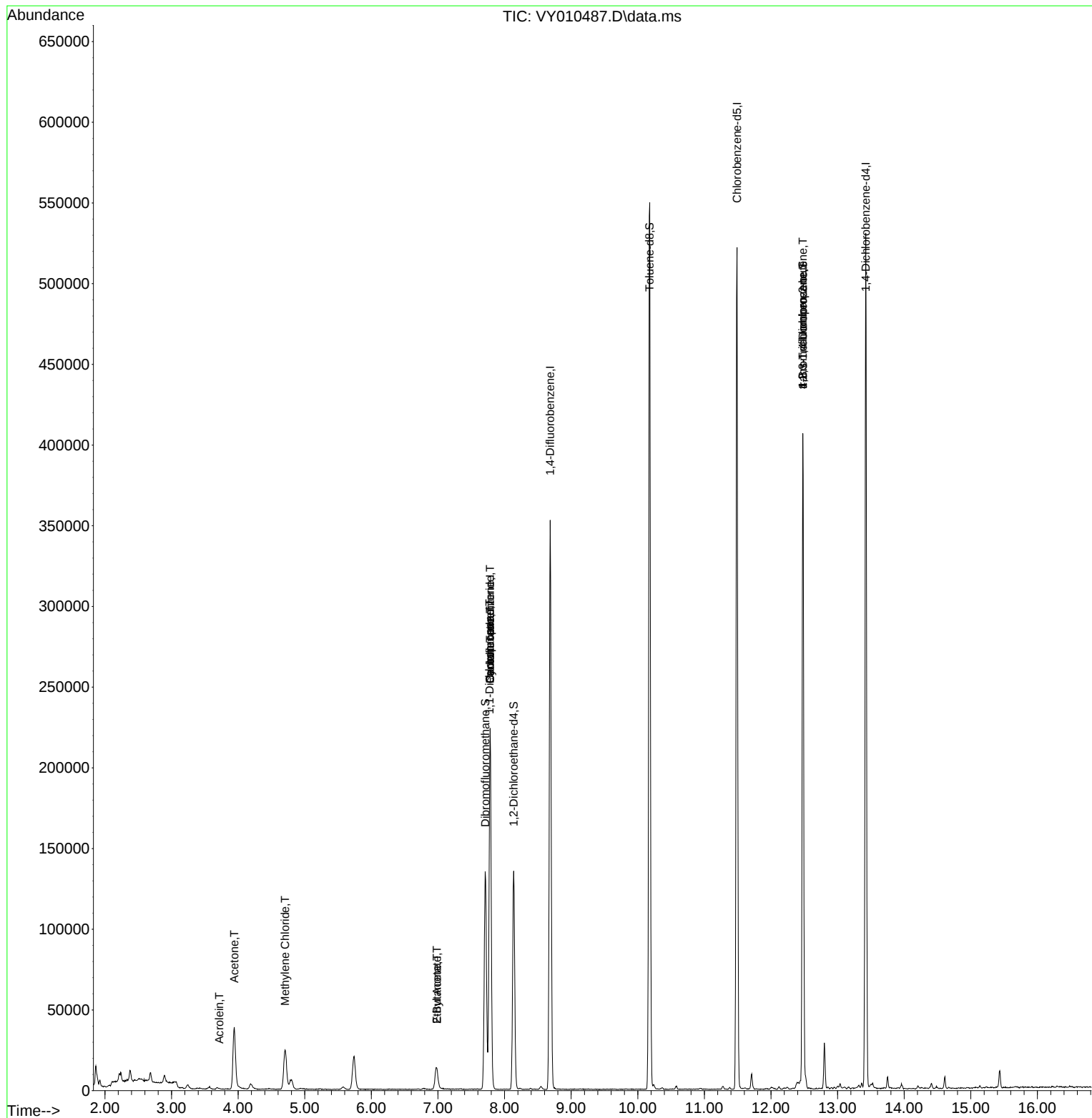
Internal Standards						
1) Pentafluorobenzene	7.783	168	173252	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	306377	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	290997	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	133174	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	104251	59.745	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.500%
35) Dibromofluoromethane	7.710	113	95706	43.984	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.960%
50) Toluene-d8	10.179	98	366246	51.935	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.880%
62) 4-Bromofluorobenzene	12.477	95	125396	44.139	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	88.280%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	78	Below Cal	#	43
11) Tert butyl alcohol	4.936	59	745	Below Cal	#	77
13) Acrolein	3.717	56	246	1.478	ug/l #	14
16) Acetone	3.942	43	68027	169.879	ug/l	90
20) Methylene Chloride	4.704	84	18779	3.263	ug/l #	87
25) 2-Butanone	6.984	43	11466	18.017	ug/l	92
31) Cyclohexane	7.783	56	3633	1.232	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	13023	4.372	ug/l #	51
37) Ethyl Acetate	6.984	43	11466	7.322	ug/l #	77
38) Carbon Tetrachloride	7.783	117	17102	5.160	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	63846	43.439	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	63846	96.449	ug/l #	7

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

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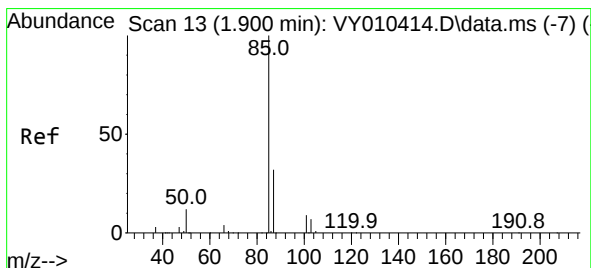
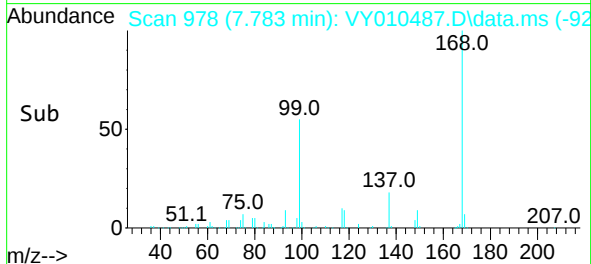
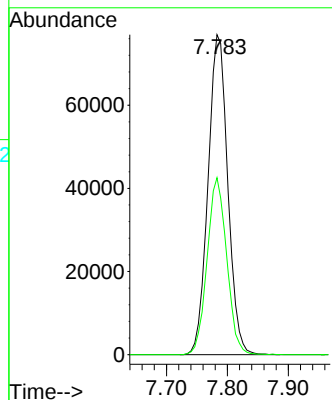
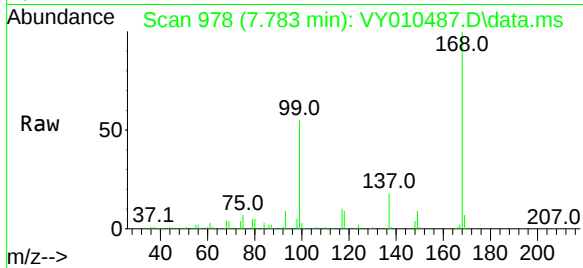




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010487.D
Acq: 14 Sep 2022 16:23

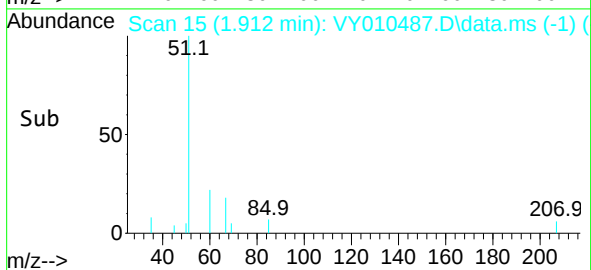
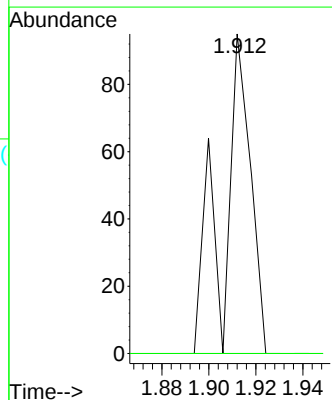
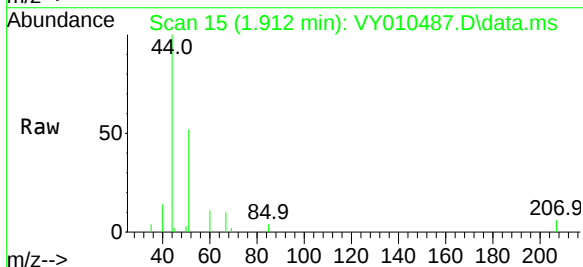
Instrument :
MSVOA_Y
ClientSampleId :
CHERRY-HILL-COMP-5

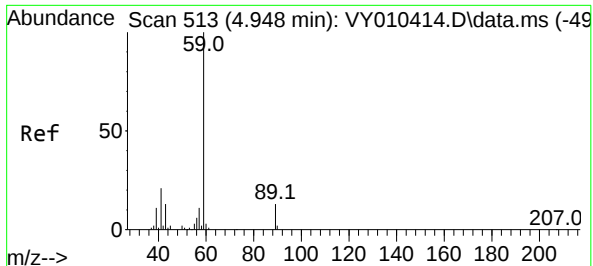
Tgt Ion:168 Resp: 173252
Ion Ratio Lower Upper
168 100
99 55.3 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.012 min
Lab File: VY010487.D
Acq: 14 Sep 2022 16:23

Tgt Ion: 85 Resp: 78
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

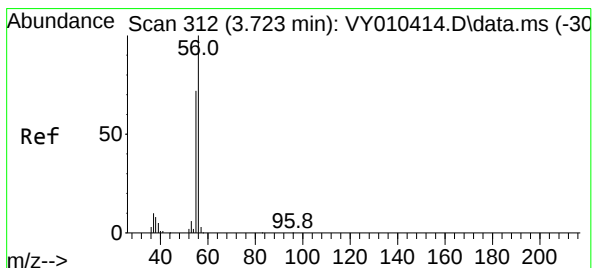
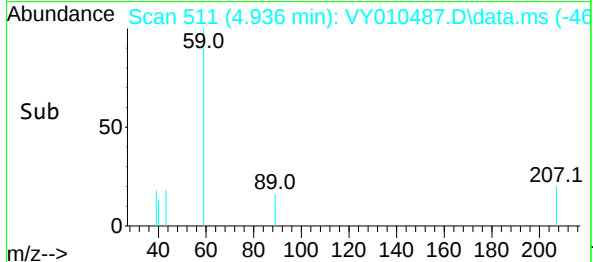
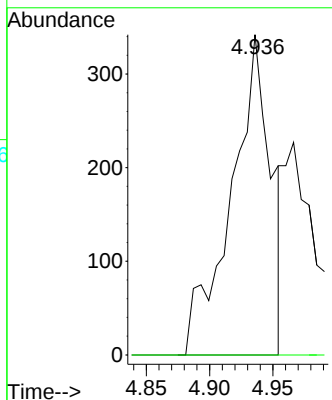
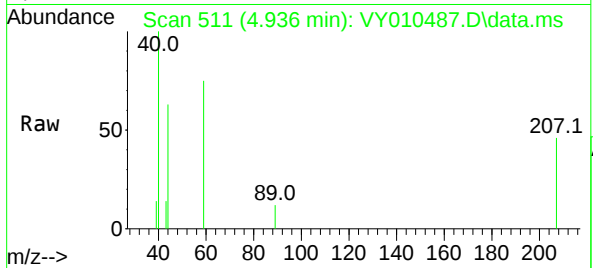




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY010487.D
Acq: 14 Sep 2022 16:23

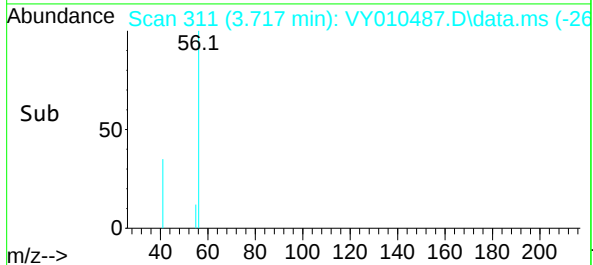
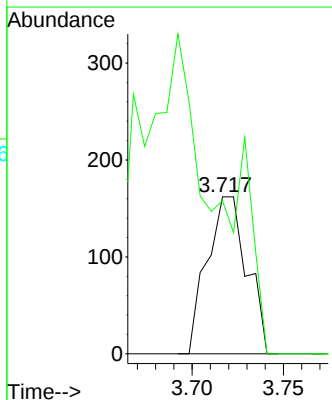
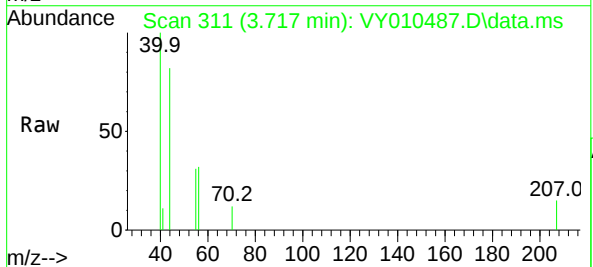
Instrument :
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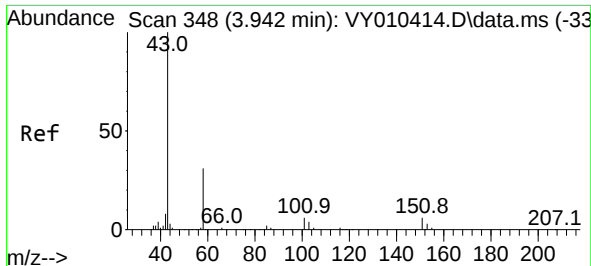
Tgt Ion: 59 Resp: 745
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#13
Acrolein
Concen: 1.478 ug/l
RT: 3.717 min Scan# 311
Delta R.T. -0.006 min
Lab File: VY010487.D
Acq: 14 Sep 2022 16:23

Tgt Ion: 56 Resp: 246
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#

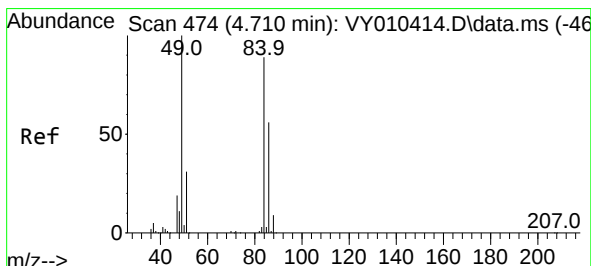
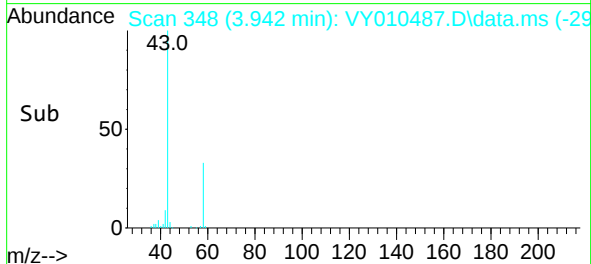
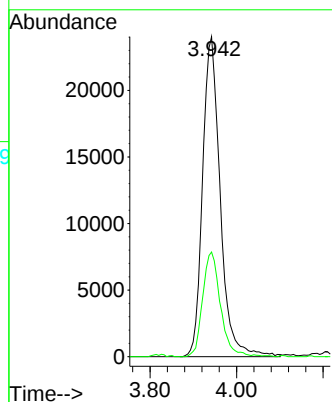
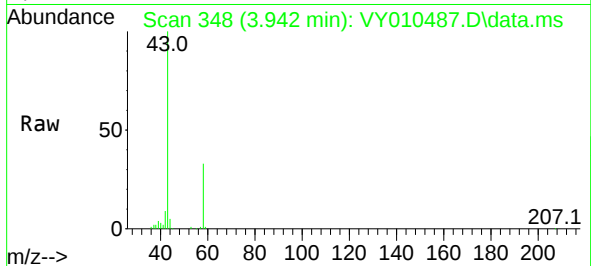




#16
Acetone
Concen: 169.879 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY010487.D
Acq: 14 Sep 2022 16:23

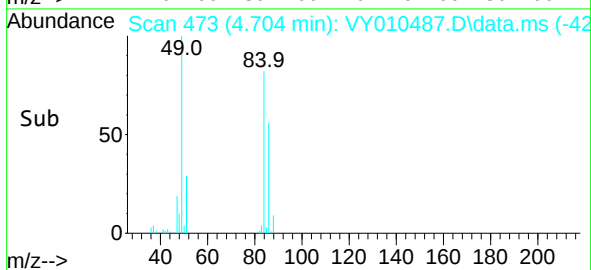
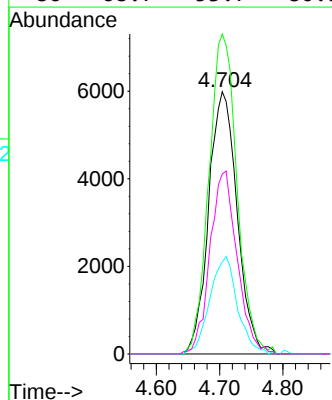
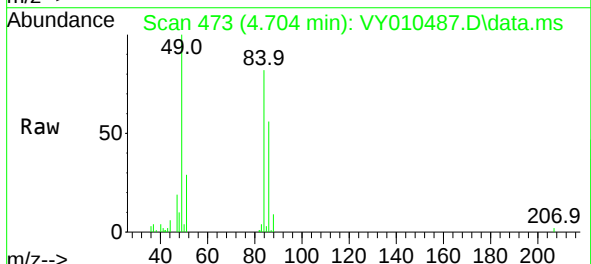
Instrument :
MSVOA_Y
ClientSampleId :
CHERRY-HILL-COMP-5

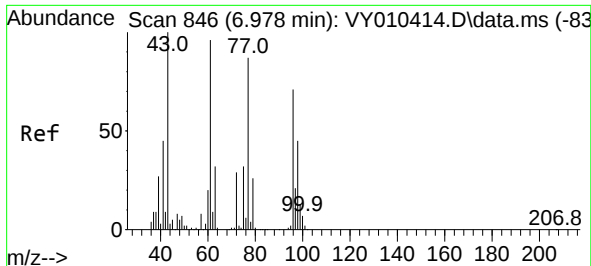
Tgt Ion: 43 Resp: 68027
Ion Ratio Lower Upper
43 100
58 32.7 22.0 33.0



#20
Methylene Chloride
Concen: 3.263 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY010487.D
Acq: 14 Sep 2022 16:23

Tgt Ion: 84 Resp: 18779
Ion Ratio Lower Upper
84 100
49 122.0 114.4 171.6
51 35.0 35.3 52.9#
86 68.7 53.7 80.5

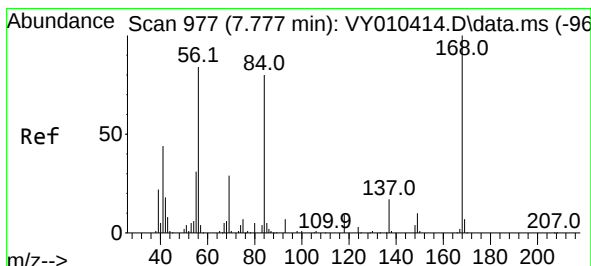
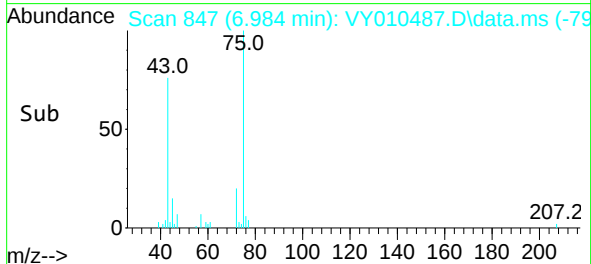
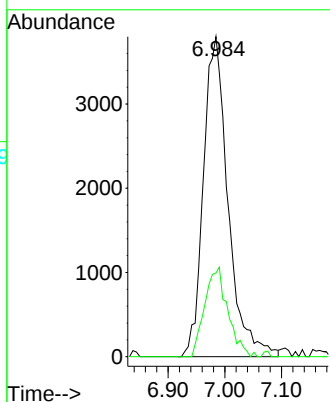
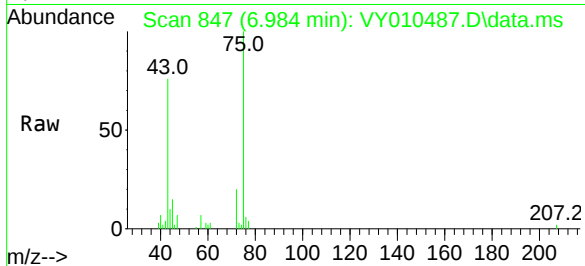




#25
2-Butanone
Concen: 18.017 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY010487.D
Acq: 14 Sep 2022 16:23

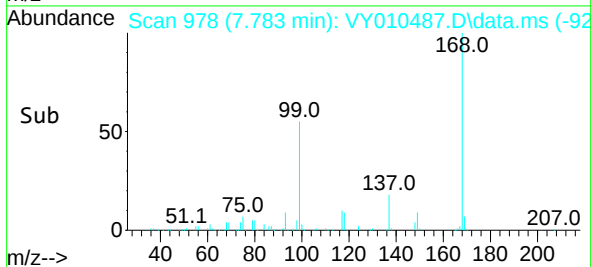
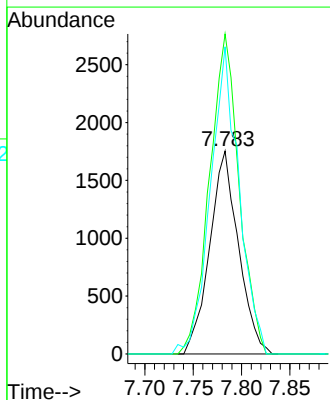
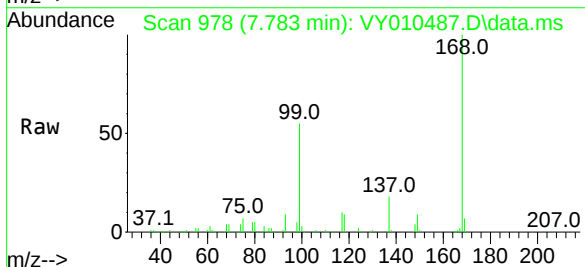
Instrument :
MSVOA_Y
ClientSampleId :
CHERRY-HILL-COMP-5

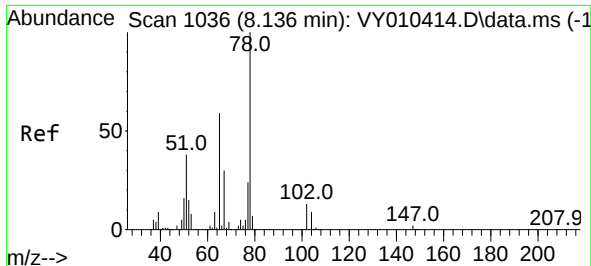
Tgt Ion: 43 Resp: 11466
Ion Ratio Lower Upper
43 100
72 26.1 17.7 26.5



#31
Cyclohexane
Concen: 1.232 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY010487.D
Acq: 14 Sep 2022 16:23

Tgt Ion: 56 Resp: 3633
Ion Ratio Lower Upper
56 100
69 157.8 26.7 40.1#
84 151.5 67.2 100.8#

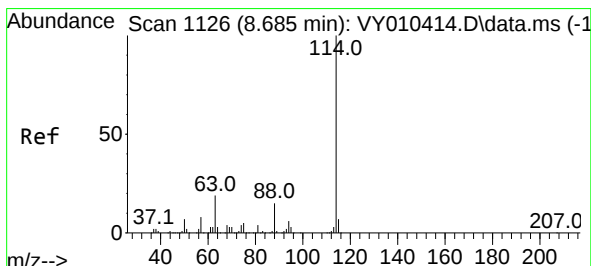
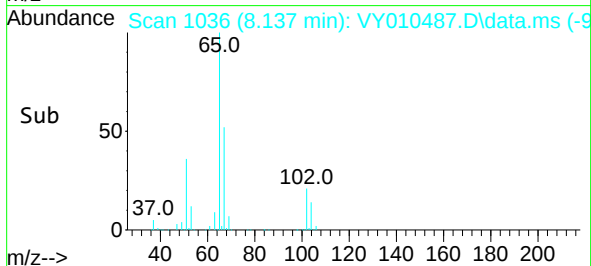
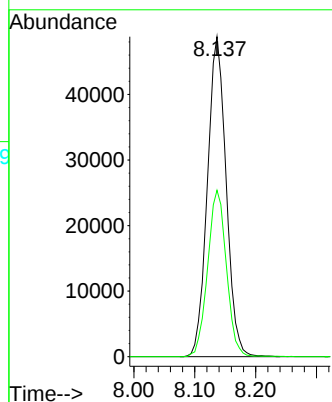
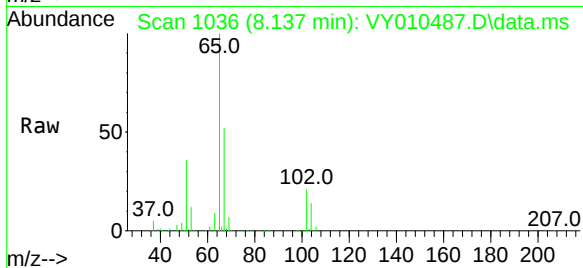




#33
 1,2-Dichloroethane-d4
 Concen: 59.745 ug/l
 RT: 8.137 min Scan# 1036
 Delta R.T. 0.001 min
 Lab File: VY010487.D
 Acq: 14 Sep 2022 16:23

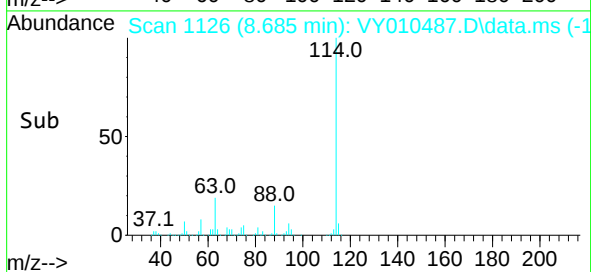
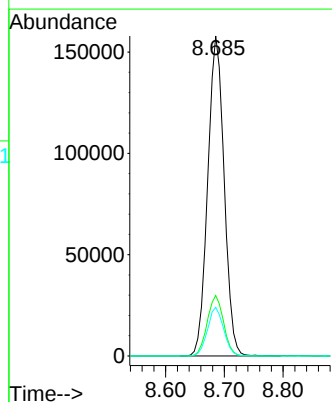
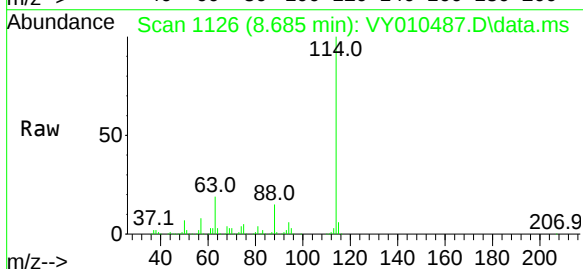
Instrument :
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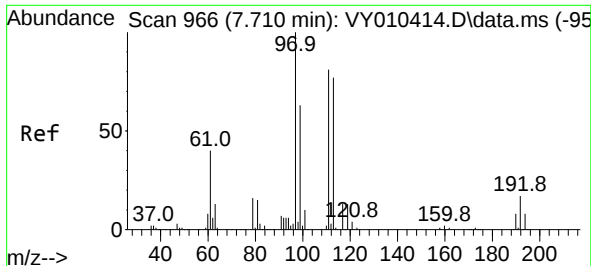
Tgt Ion: 65 Resp: 104251
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY010487.D
 Acq: 14 Sep 2022 16:23

Tgt Ion: 114 Resp: 306377
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 43.2
 88 15.2 0.0 31.8

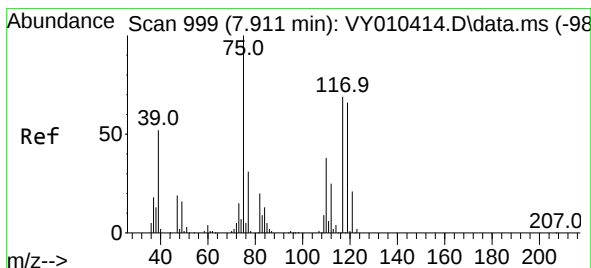
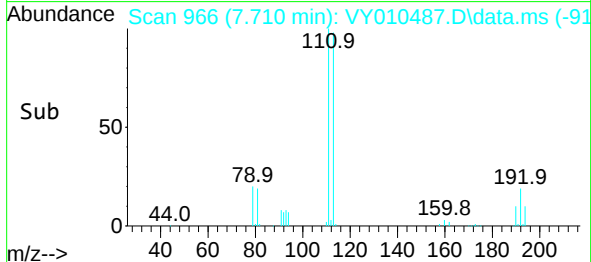
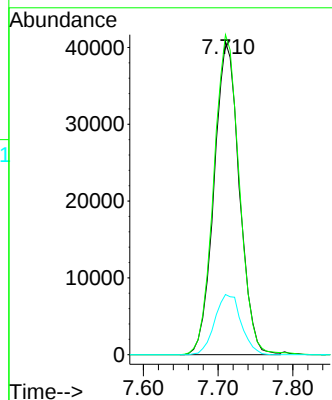
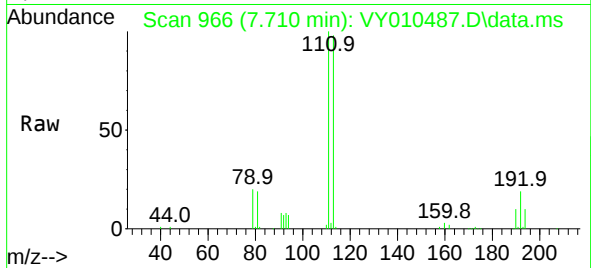




#35
Dibromofluoromethane
Concen: 43.984 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY010487.D
Acq: 14 Sep 2022 16:23

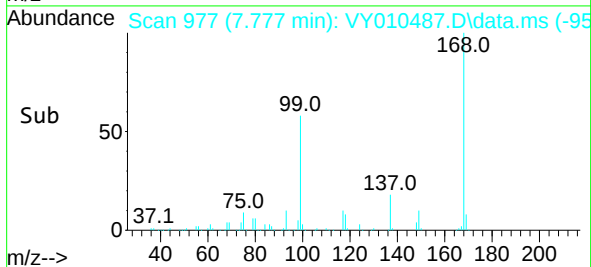
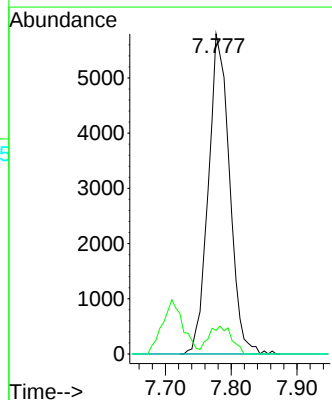
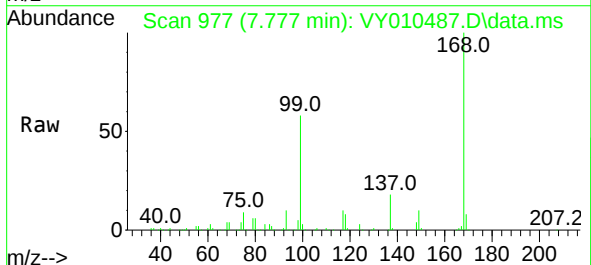
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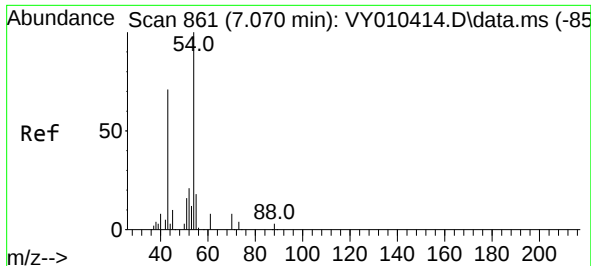
Tgt Ion:113 Resp: 95706
Ion Ratio Lower Upper
113 100
111 103.4 82.6 124.0
192 20.1 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.372 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY010487.D
Acq: 14 Sep 2022 16:23

Tgt Ion: 75 Resp: 13023
Ion Ratio Lower Upper
75 100
110 9.3 17.1 51.2#
77 0.0 24.4 36.6#

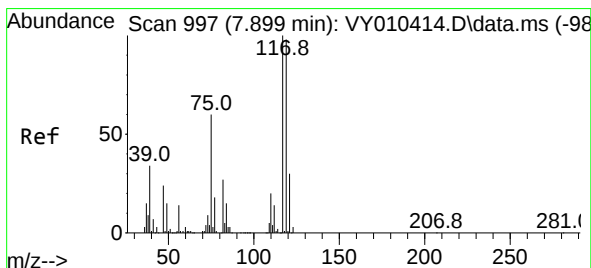
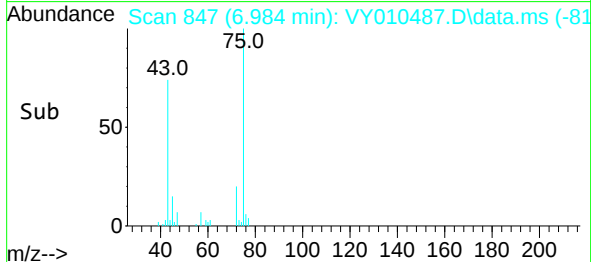
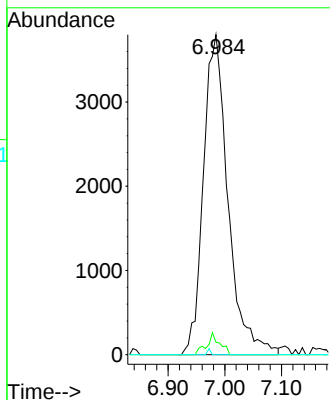
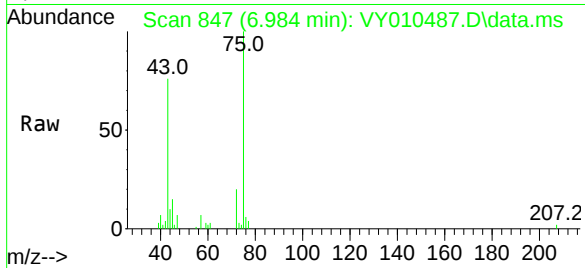




#37
Ethyl Acetate
Concen: 7.322 ug/l
RT: 6.984 min Scan# 84
Delta R.T. -0.086 min
Lab File: VY010487.D
Acq: 14 Sep 2022 16:23

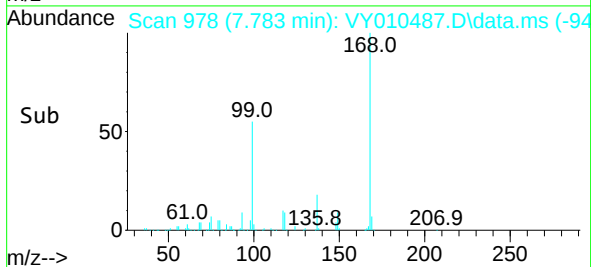
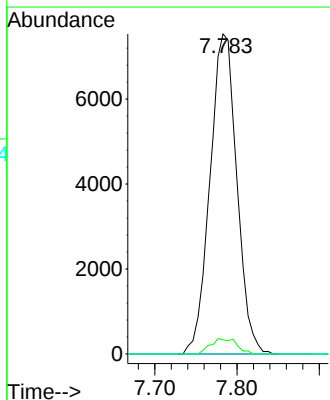
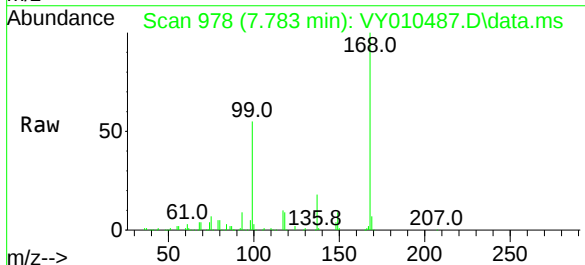
Instrument :
MSVOA_Y
ClientSampleId :
CHERRY-HILL-COMP-5

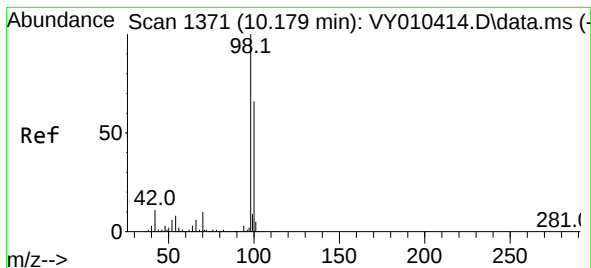
Tgt Ion: 43 Resp: 11466
Ion Ratio Lower Upper
43 100
61 3.6 9.7 14.5#
70 0.2 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.160 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY010487.D
Acq: 14 Sep 2022 16:23

Tgt Ion: 117 Resp: 17102
Ion Ratio Lower Upper
117 100
119 4.4 77.9 116.9#
121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 51.935 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY010487.D

Acq: 14 Sep 2022 16:23

Instrument :

MSVOA_Y

ClientSampleId :

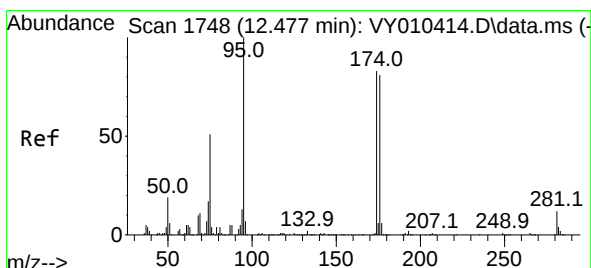
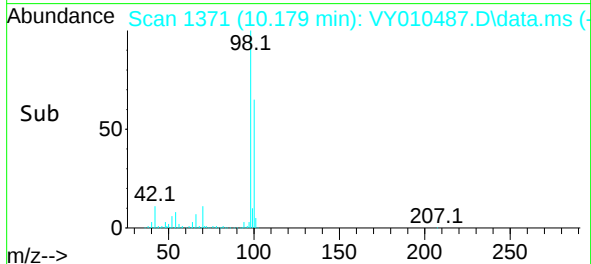
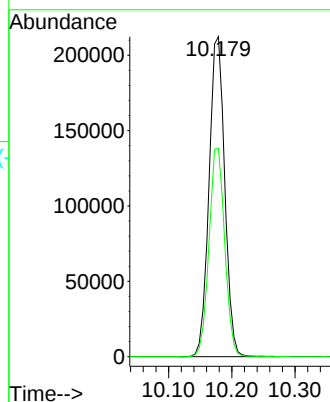
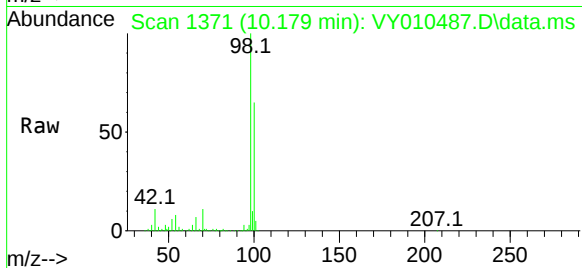
CHERRY-HILL-COMP-5

Tgt Ion: 98 Resp: 366246

Ion Ratio Lower Upper

98 100

100 65.3 50.2 75.2



#62

4-Bromofluorobenzene

Concen: 44.139 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY010487.D

Acq: 14 Sep 2022 16:23

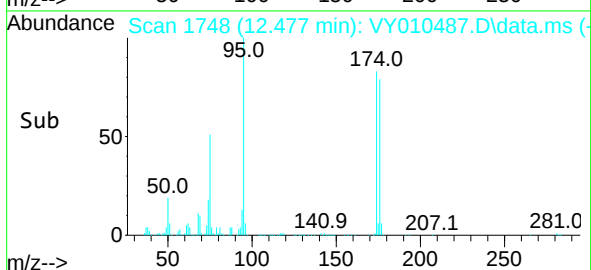
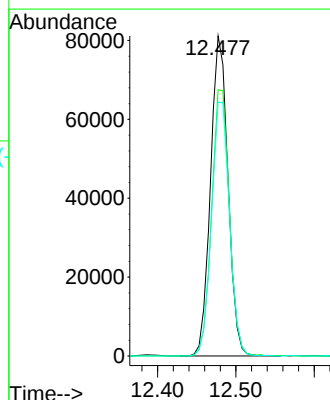
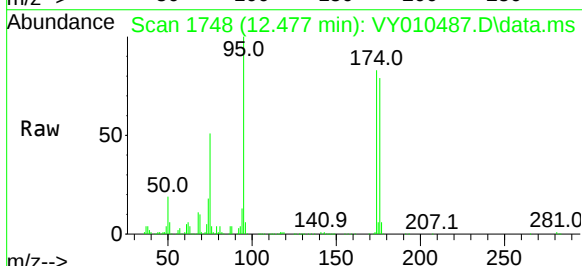
Tgt Ion: 95 Resp: 125396

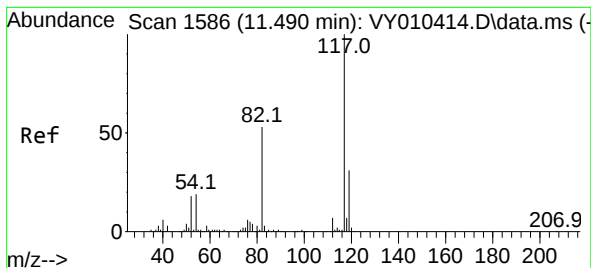
Ion Ratio Lower Upper

95 100

174 85.5 0.0 177.0

176 81.7 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY010487.D

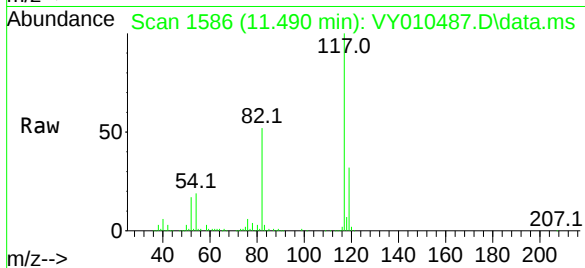
Acq: 14 Sep 2022 16:23

Instrument :

MSVOA_Y

ClientSampleId :

CHERRY-HILL-COMP-5



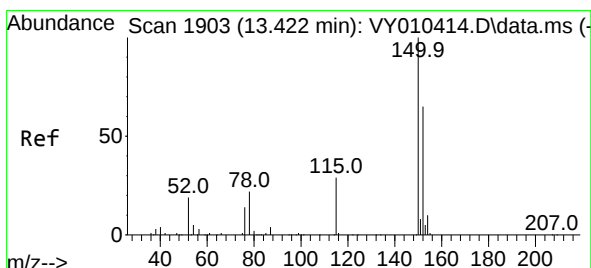
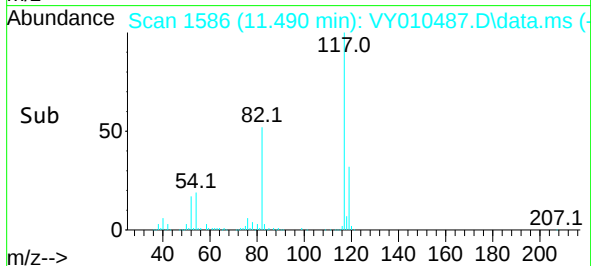
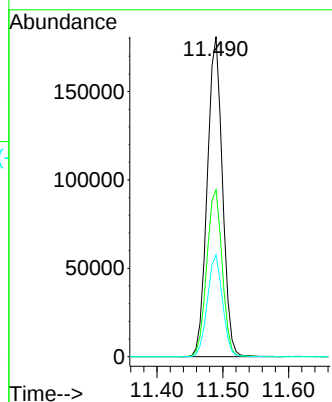
Tgt Ion:117 Resp: 290997

Ion Ratio Lower Upper

117 100

82 52.2 43.0 64.4

119 31.7 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: VY010487.D

Acq: 14 Sep 2022 16:23

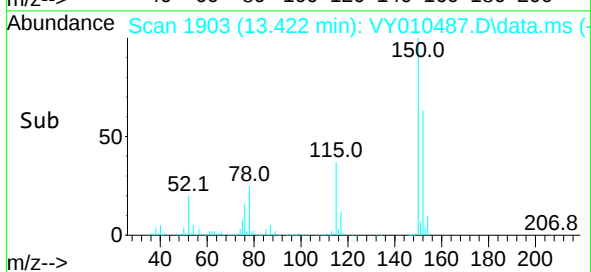
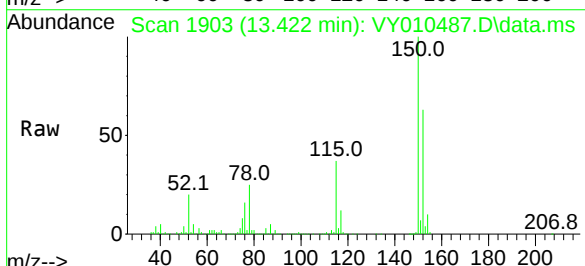
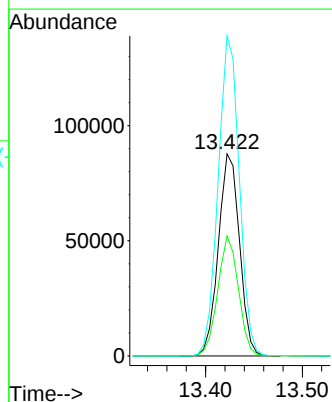
Tgt Ion:152 Resp: 133174

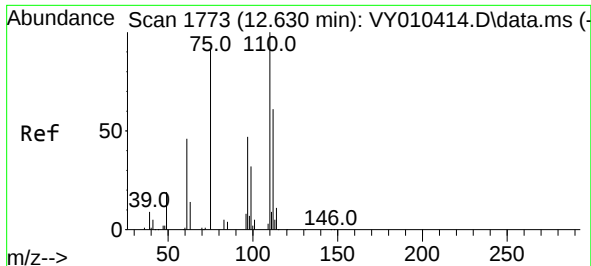
Ion Ratio Lower Upper

152 100

115 58.0 28.2 84.7

150 158.5 0.0 347.6

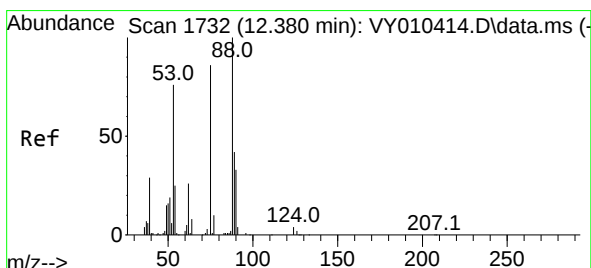
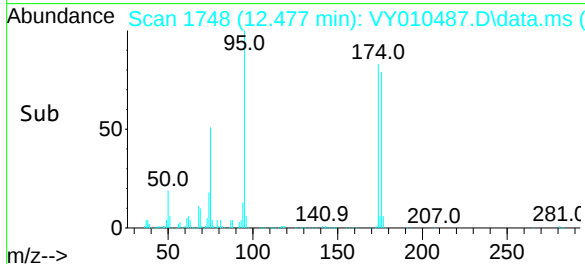
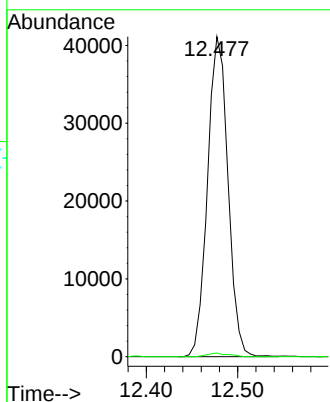
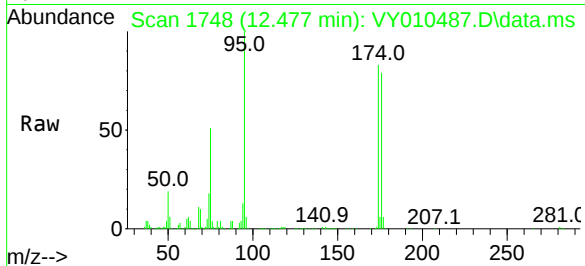




#76
1,2,3-Trichloropropane
Concen: 43.439 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010487.D
Acq: 14 Sep 2022 16:23

Instrument :
MSVOA_Y
ClientSampleId :
CHERRY-HILL-COMP-5

Tgt Ion: 75 Resp: 63846
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.449 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY010487.D
Acq: 14 Sep 2022 16:23

Tgt Ion: 75 Resp: 63846
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

