

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091422\
 Data File : VY010486.D
 Acq On : 14 Sep 2022 16:00
 Operator : KP/MD
 Sample : N4578-15
 Misc : 5.63g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CHERRY-HILL-COMP-4

Quant Time: Sep 15 01:10:36 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)

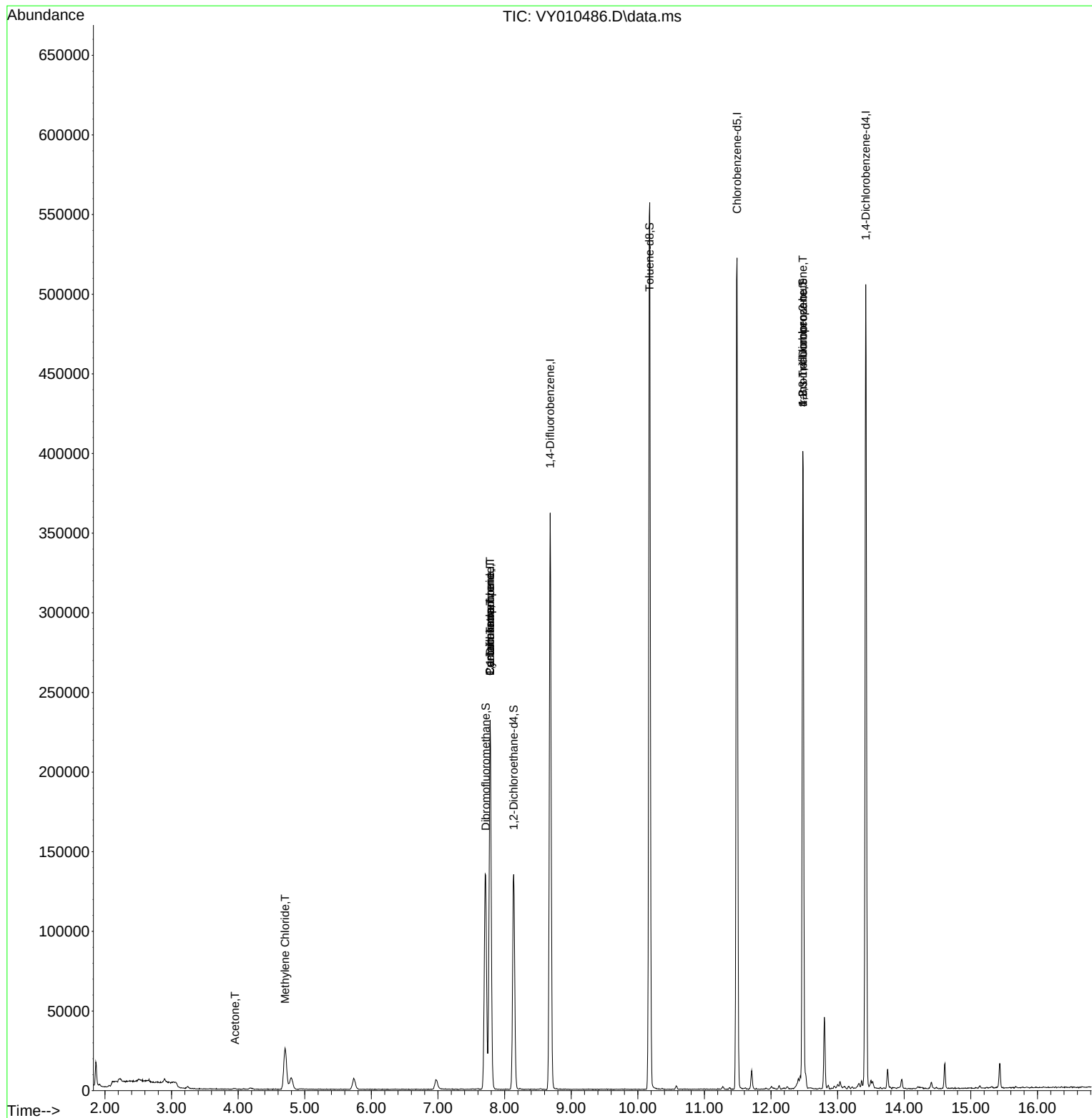
Internal Standards						
1) Pentafluorobenzene	7.783	168	177045	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	309287	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	290732	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	130834	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	104680	58.706	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.420%
35) Dibromofluoromethane	7.716	113	97836	44.540	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.080%
50) Toluene-d8	10.179	98	370063	51.983	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.960%
62) 4-Bromofluorobenzene	12.477	95	123678	42.963	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	85.920%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	88	Below Cal	#	43
11) Tert butyl alcohol	4.948	59	570	Below Cal	#	77
16) Acetone	3.954	43	863	2.109	ug/l	90
20) Methylene Chloride	4.704	84	20313	3.920	ug/l	87
31) Cyclohexane	7.783	56	3733	1.239	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	12914	4.294	ug/l #	51
38) Carbon Tetrachloride	7.783	117	17255	5.158	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	63214	43.778	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	63214	97.203	ug/l #	7

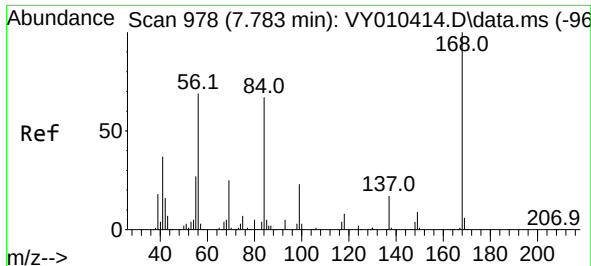
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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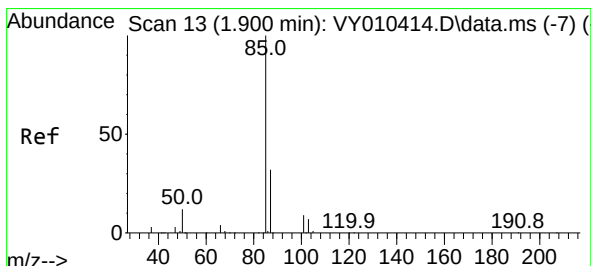
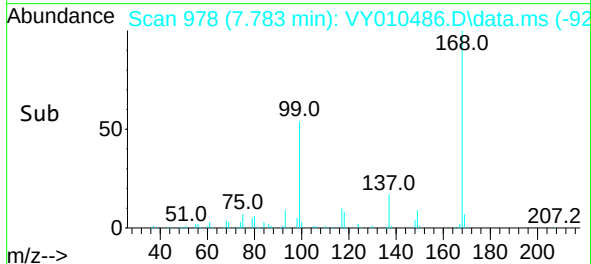
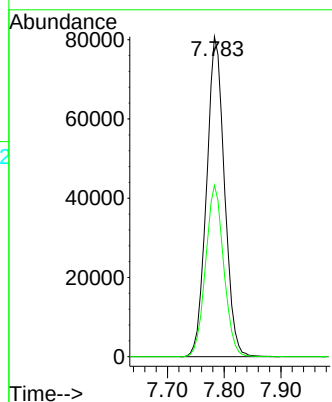
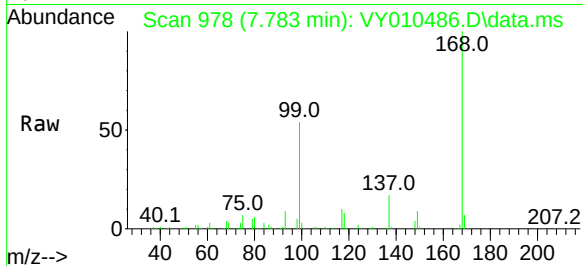




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010486.D
Acq: 14 Sep 2022 16:00

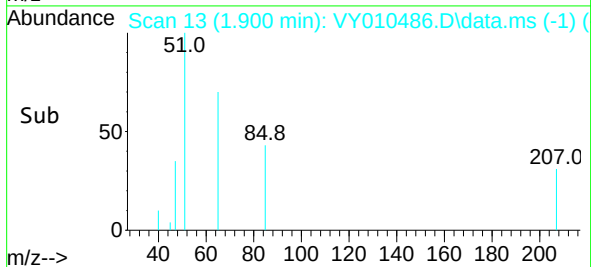
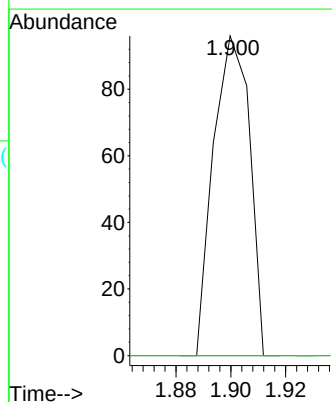
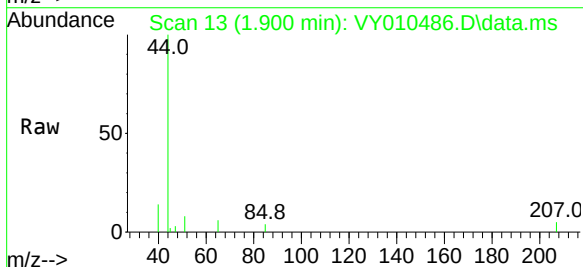
Instrument :
MSVOA_Y
ClientSampleId :
CHERRY-HILL-COMP-4

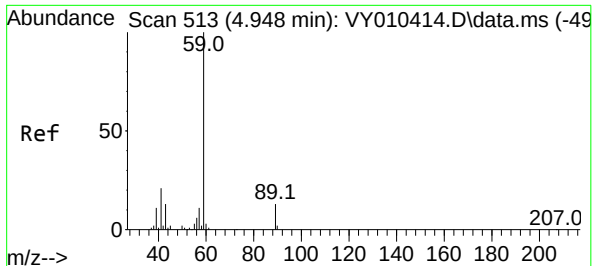
Tgt Ion:168 Resp: 177045
Ion Ratio Lower Upper
168 100
99 53.6 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010486.D
Acq: 14 Sep 2022 16:00

Tgt Ion: 85 Resp: 88
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

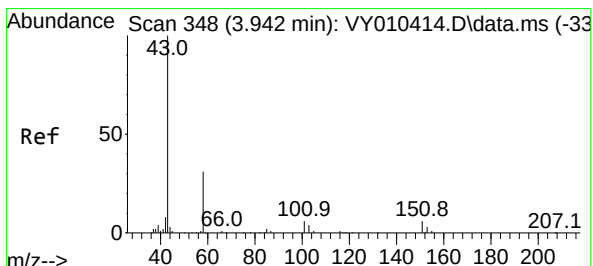
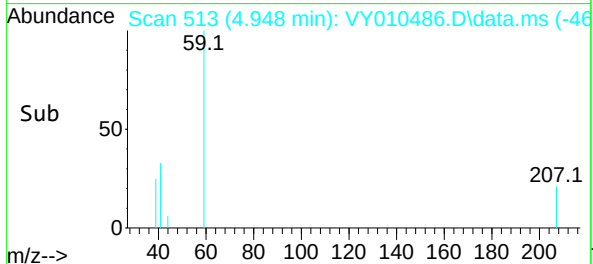
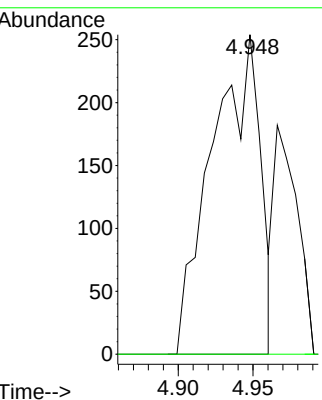
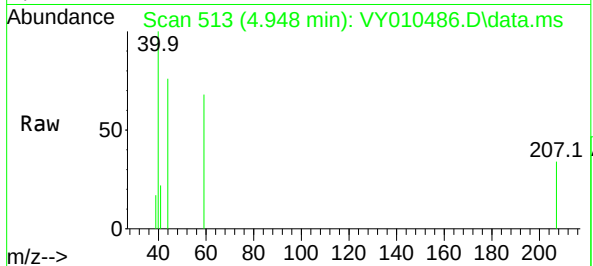




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY010486.D
Acq: 14 Sep 2022 16:00

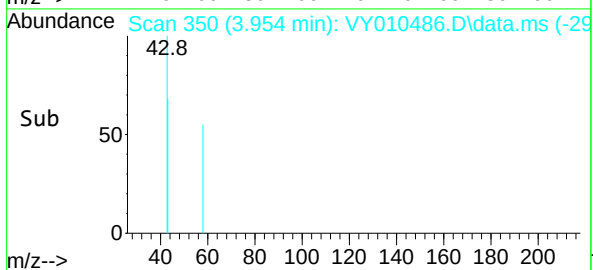
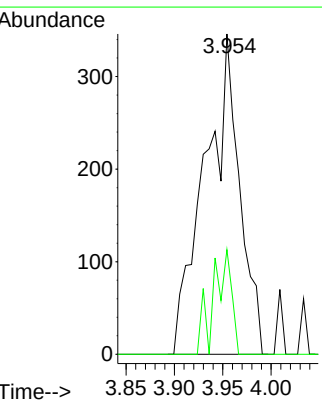
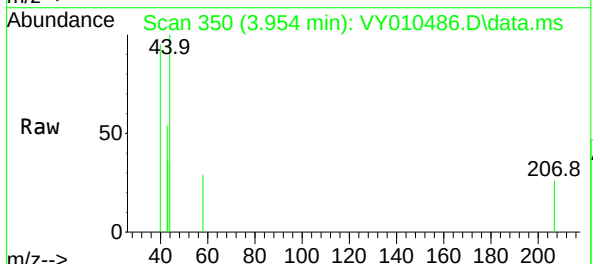
Instrument :
MSVOA_Y
ClientSampleId :
CHERRY-HILL-COMP-4

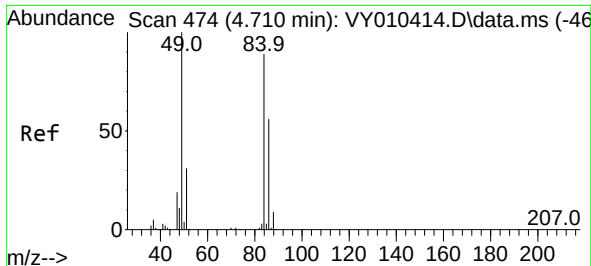
Tgt Ion: 59 Resp: 570
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 2.109 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY010486.D
Acq: 14 Sep 2022 16:00

Tgt Ion: 43 Resp: 863
Ion Ratio Lower Upper
43 100
58 32.7 22.0 33.0





#20

Methylene Chloride

Concen: 3.920 ug/l

RT: 4.704 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY010486.D

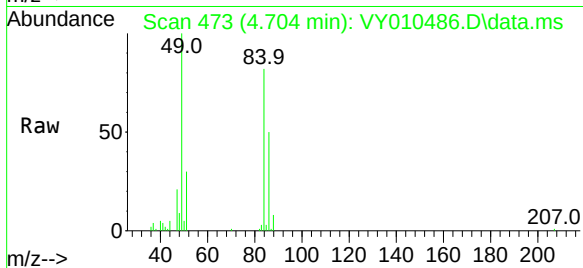
Acq: 14 Sep 2022 16:00

Instrument :

MSVOA_Y

ClientSampleId :

CHERRY-HILL-COMP-4



Tgt Ion: 84 Resp: 20313

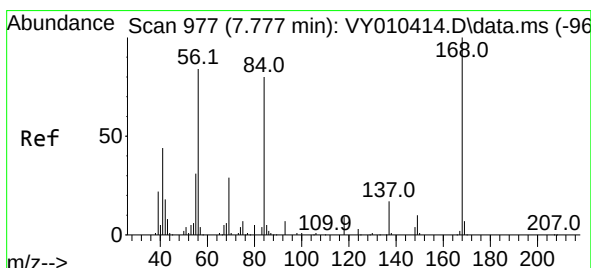
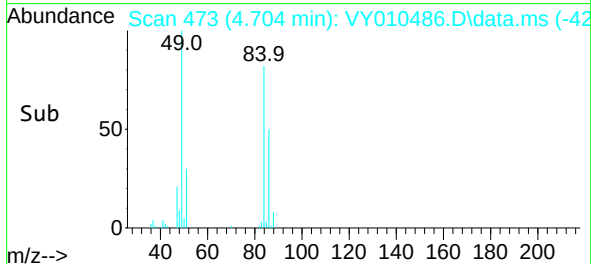
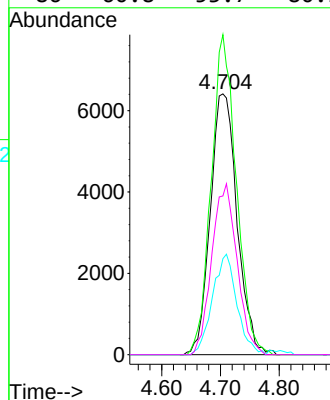
Ion Ratio Lower Upper

84 100

49 122.7 114.4 171.6

51 36.8 35.3 52.9

86 60.8 53.7 80.5



#31

Cyclohexane

Concen: 1.239 ug/l

RT: 7.783 min Scan# 978

Delta R.T. 0.006 min

Lab File: VY010486.D

Acq: 14 Sep 2022 16:00

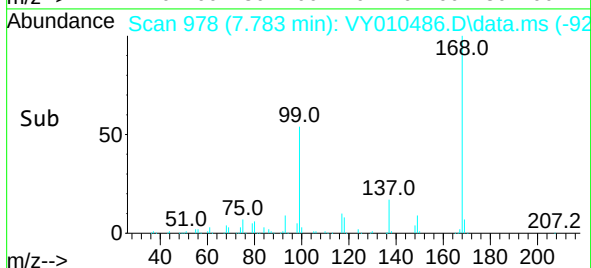
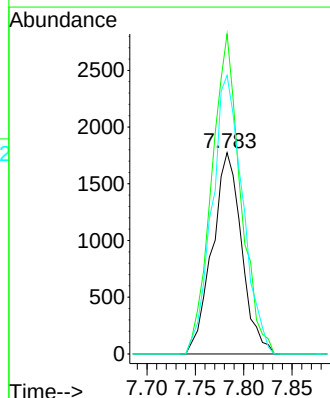
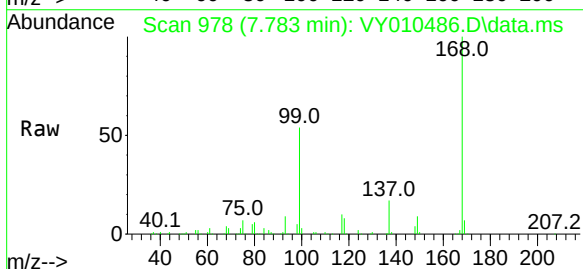
Tgt Ion: 56 Resp: 3733

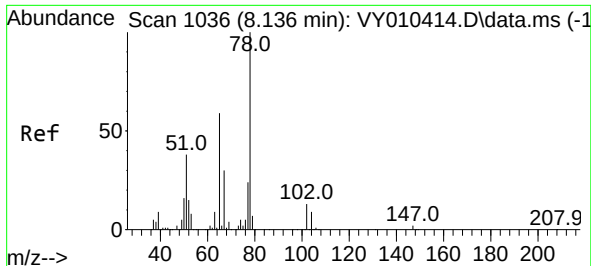
Ion Ratio Lower Upper

56 100

69 158.9 26.7 40.1#

84 138.3 67.2 100.8#

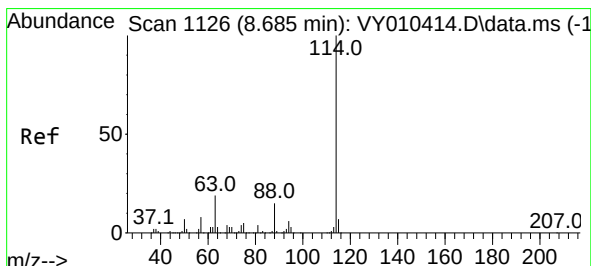
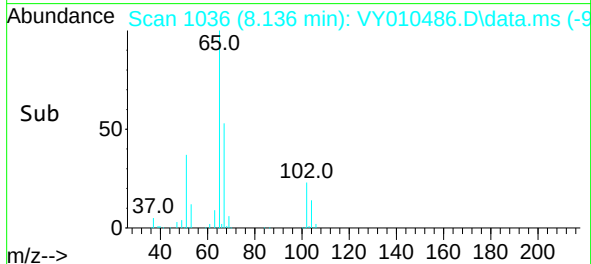
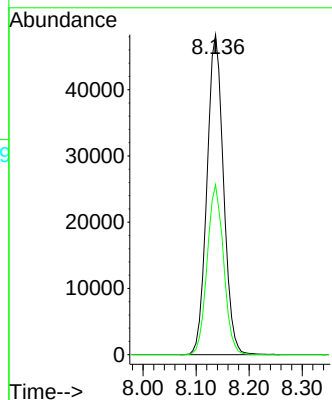
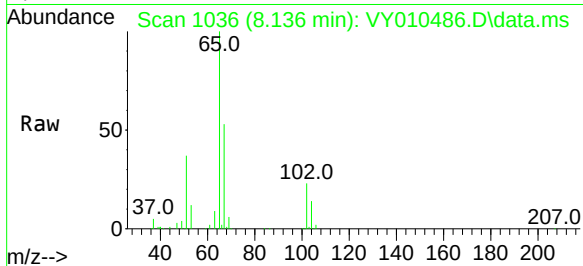




#33
 1,2-Dichloroethane-d4
 Concen: 58.706 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY010486.D
 Acq: 14 Sep 2022 16:00

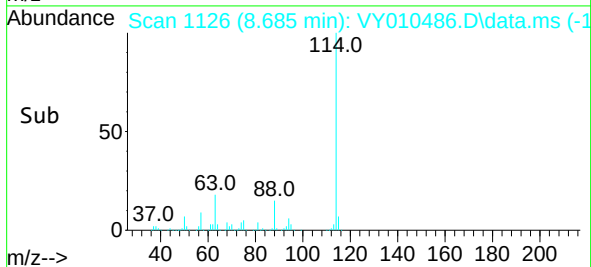
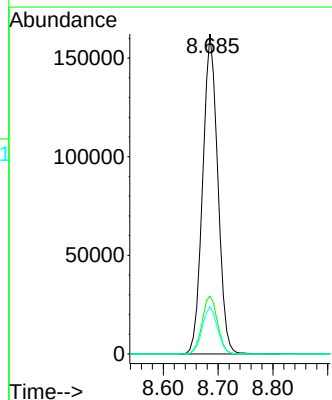
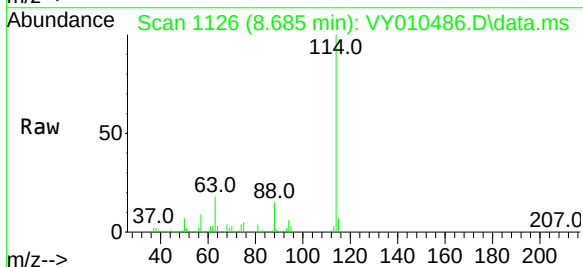
Instrument :
 MSVOA_Y
 ClientSampleId :
 CHERRY-HILL-COMP-4

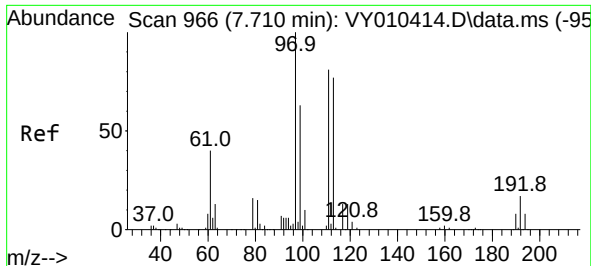
Tgt Ion: 65 Resp: 104680
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY010486.D
 Acq: 14 Sep 2022 16:00

Tgt Ion: 114 Resp: 309287
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 43.2
 88 14.8 0.0 31.8

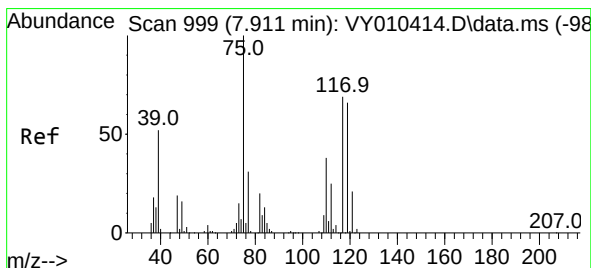
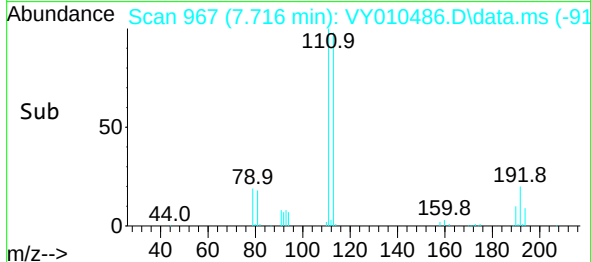
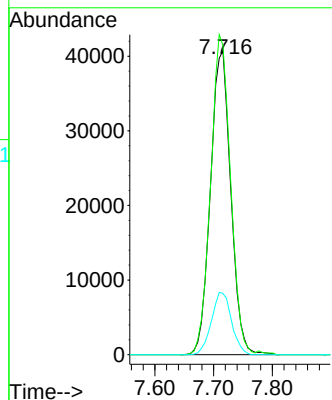
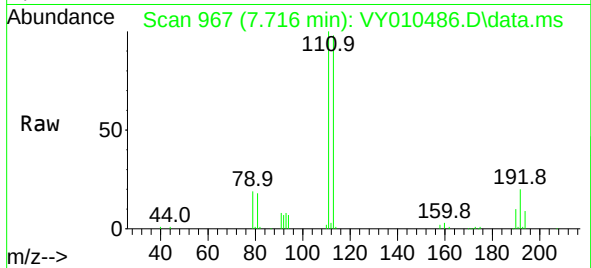




#35
Dibromofluoromethane
Concen: 44.540 ug/l
RT: 7.716 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010486.D
Acq: 14 Sep 2022 16:00

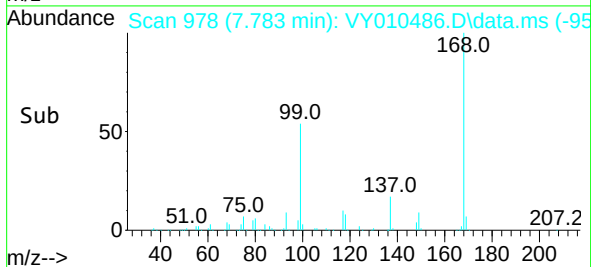
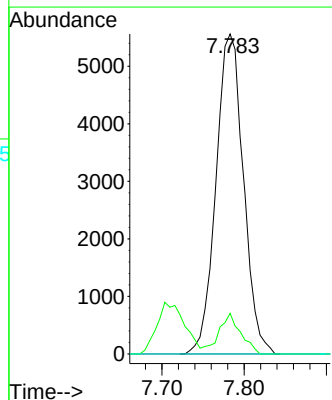
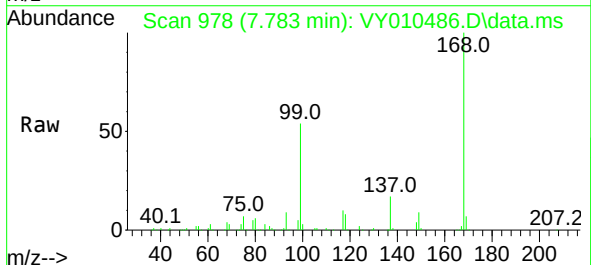
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ClientSampleId :
CHERRY-HILL-COMP-4

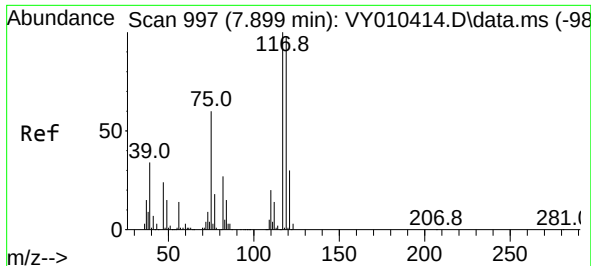
Tgt Ion:113 Resp: 97836
Ion Ratio Lower Upper
113 100
111 102.6 82.6 124.0
192 20.2 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.294 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010486.D
Acq: 14 Sep 2022 16:00

Tgt Ion: 75 Resp: 12914
Ion Ratio Lower Upper
75 100
110 9.8 17.1 51.2#
77 0.0 24.4 36.6#

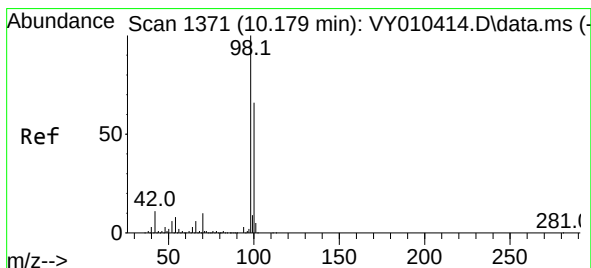
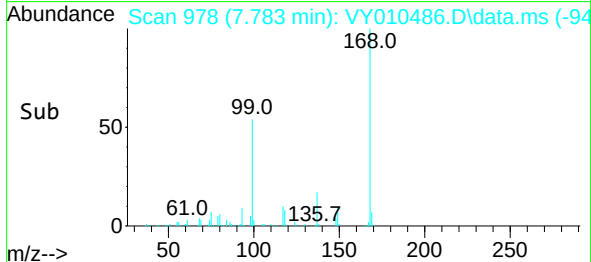
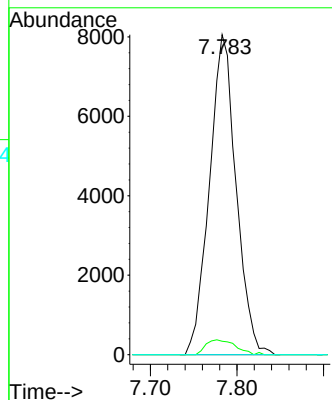
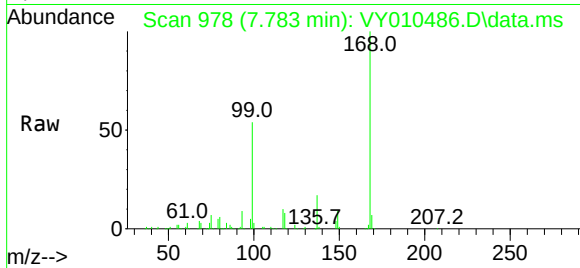




#38
Carbon Tetrachloride
Concen: 5.158 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY010486.D
Acq: 14 Sep 2022 16:00

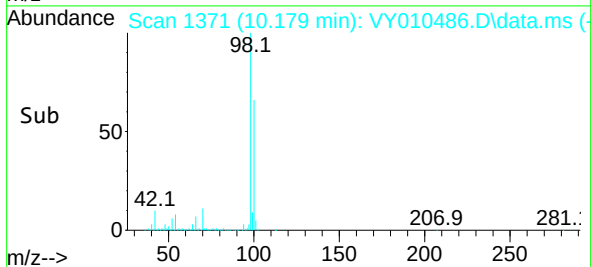
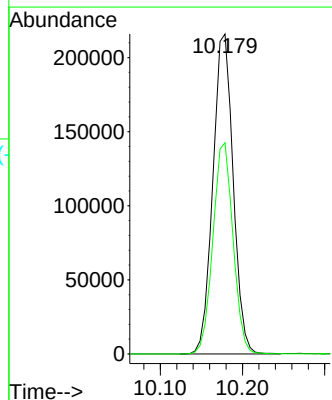
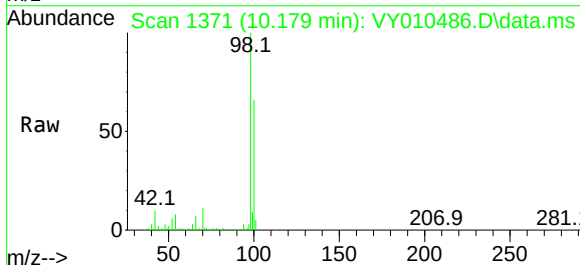
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CHERRY-HILL-COMP-4

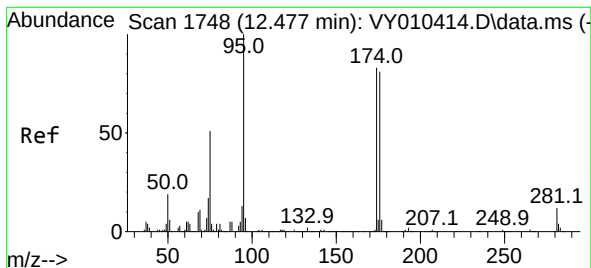
Tgt Ion:117 Resp: 17255
Ion Ratio Lower Upper
117 100
119 4.2 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 51.983 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010486.D
Acq: 14 Sep 2022 16:00

Tgt Ion: 98 Resp: 370063
Ion Ratio Lower Upper
98 100
100 65.5 50.2 75.2

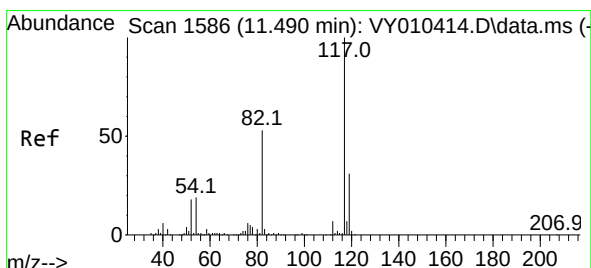
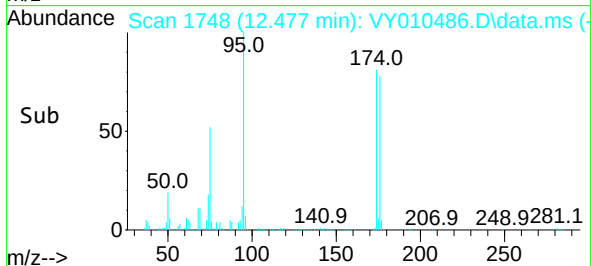
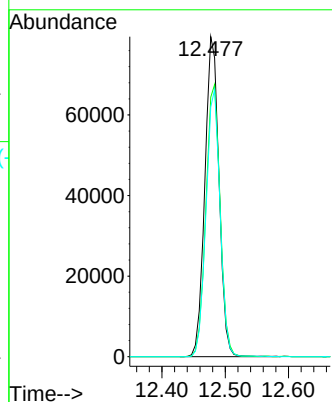
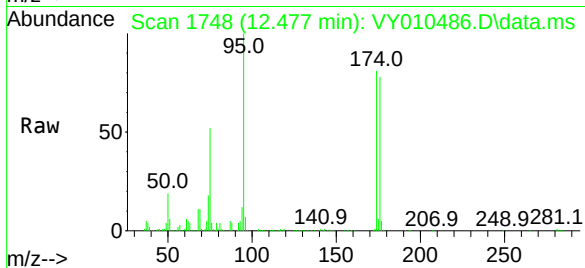




#62
4-Bromofluorobenzene
Concen: 42.963 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010486.D
Acq: 14 Sep 2022 16:00

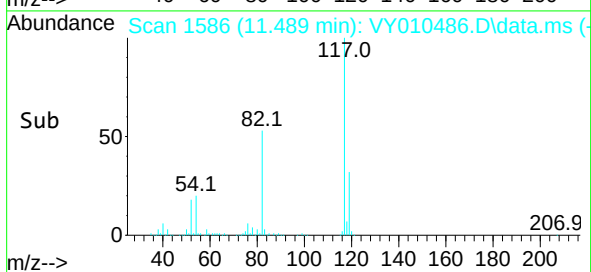
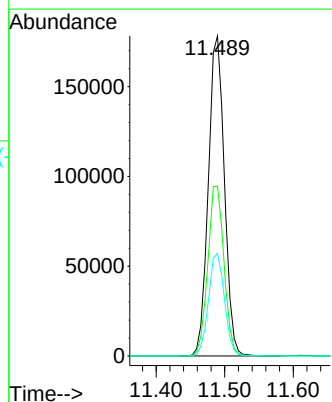
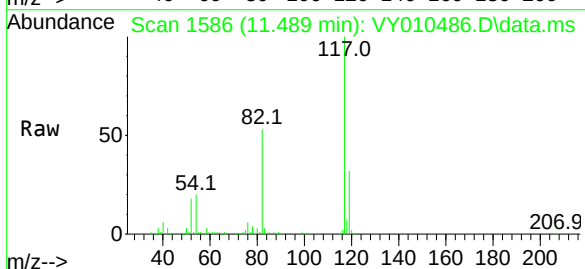
Instrument :
MSVOA_Y
ClientSampleId :
CHERRY-HILL-COMP-4

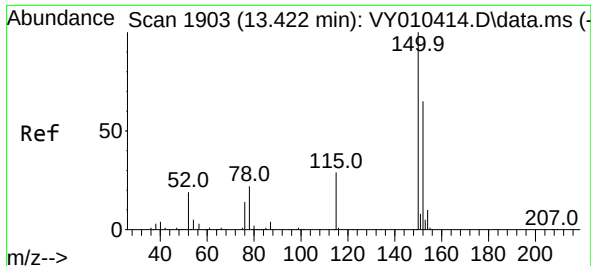
Tgt Ion: 95 Resp: 123678
Ion Ratio Lower Upper
95 100
174 85.9 0.0 177.0
176 83.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010486.D
Acq: 14 Sep 2022 16:00

Tgt Ion: 117 Resp: 290732
Ion Ratio Lower Upper
117 100
82 53.0 43.0 64.4
119 32.0 25.4 38.0

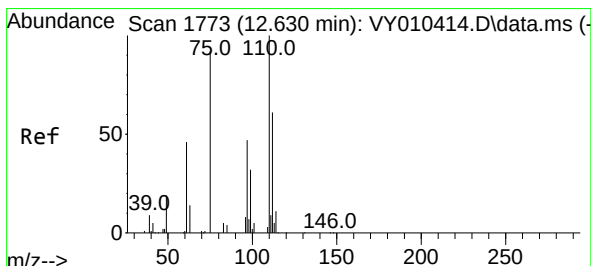
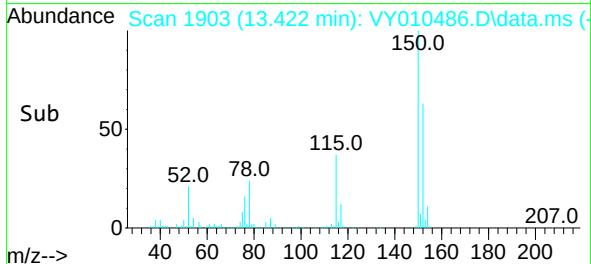
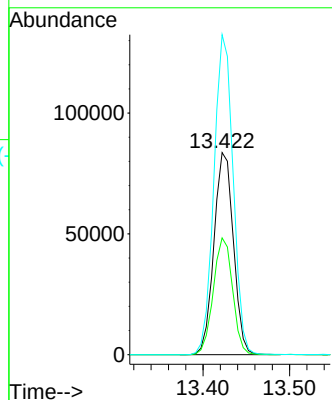
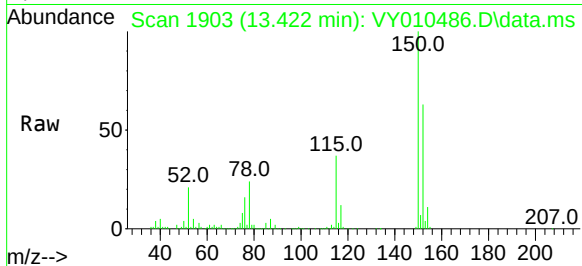




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY010486.D
 Acq: 14 Sep 2022 16:00

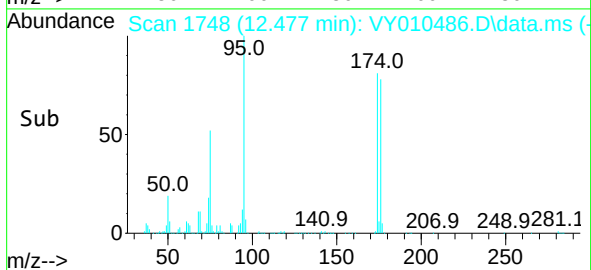
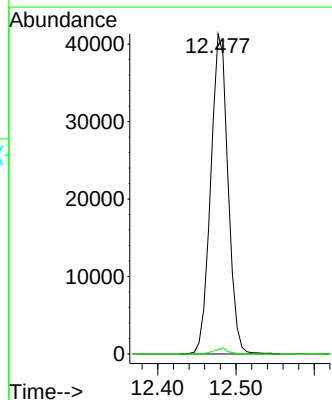
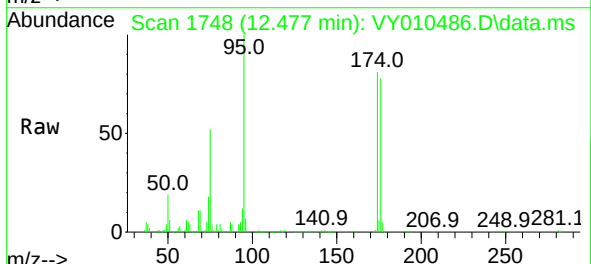
Instrument :
 MSVOA_Y
 ClientSampleId :
 CHERRY-HILL-COMP-4

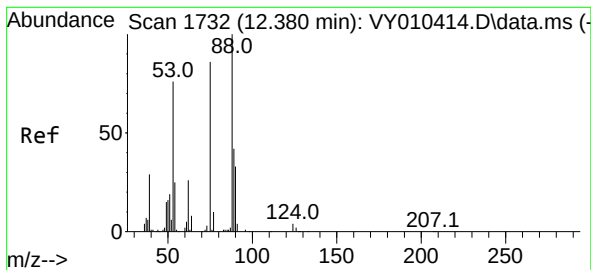
Tgt Ion:152 Resp: 130834
 Ion Ratio Lower Upper
 152 100
 115 57.1 28.2 84.7
 150 156.2 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 43.778 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY010486.D
 Acq: 14 Sep 2022 16:00

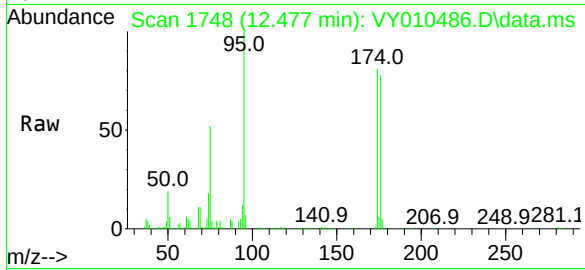
Tgt Ion: 75 Resp: 63214
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.203 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY010486.D
 Acq: 14 Sep 2022 16:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 CHERRY-HILL-COMP-4



Tgt Ion: 75 Resp: 63214
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.3 127.9#
 89 0.0 37.0 55.4#

