

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091422\
 Data File : VY010491.D
 Acq On : 14 Sep 2022 17:57
 Operator : KP/MD
 Sample : N4578-36
 Misc : 5.66g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CHERRY-HILL-COMP-9

Quant Time: Sep 15 01:11:16 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)

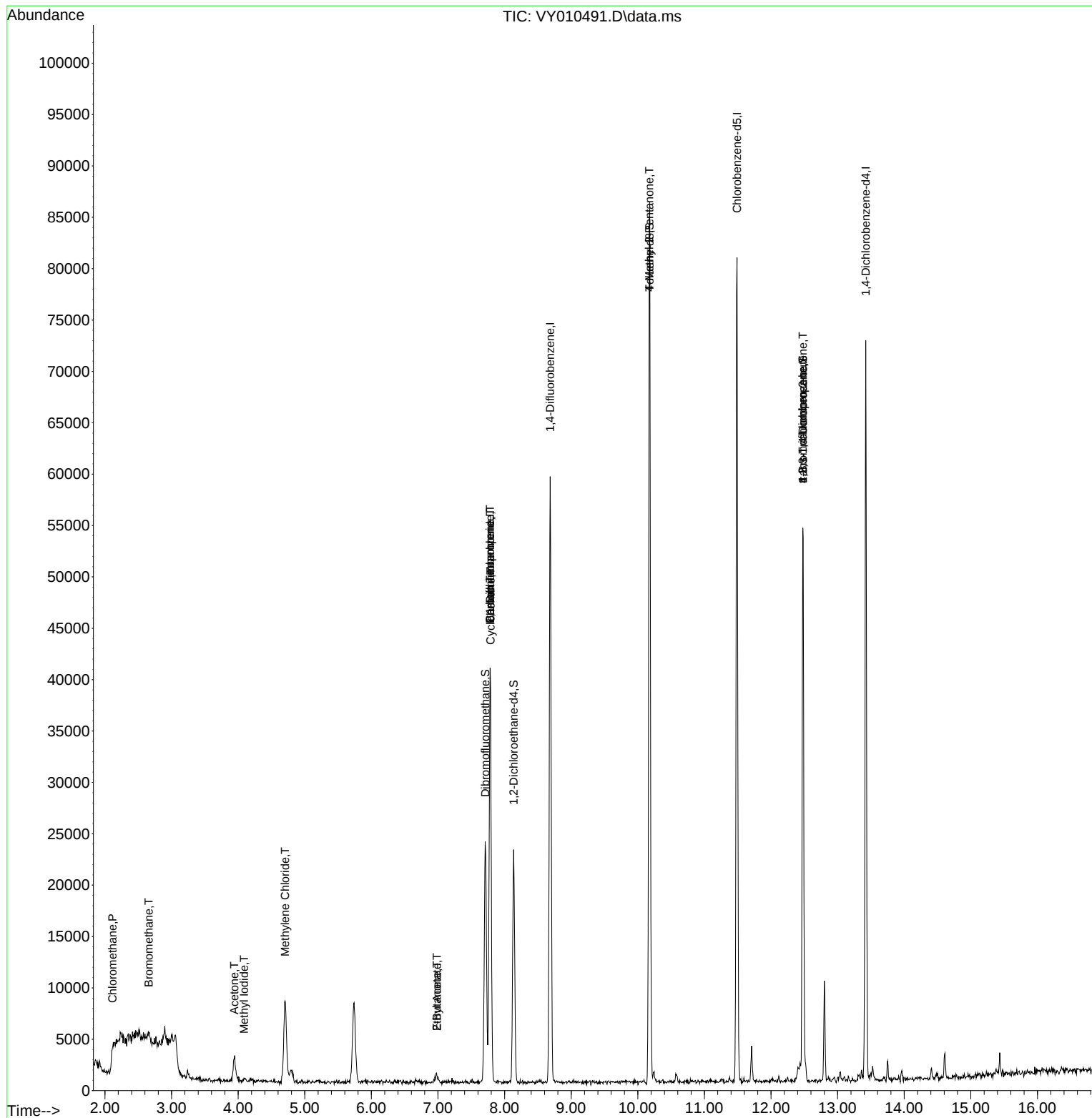
Internal Standards						
1) Pentafluorobenzene	7.783	168	31231	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	50992	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	45335	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	17524	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	17197	54.672	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.340%	
35) Dibromofluoromethane	7.710	113	16364	45.186	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 90.380%	
50) Toluene-d8	10.179	98	57800	49.246	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.500%	
62) 4-Bromofluorobenzene	12.477	95	17003	34.659	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 69.320%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	359	1.023	ug/l	99
5) Bromomethane	2.656	94	397	1.309	ug/l	89
10) Methyl Iodide	4.088	142	456	1.148	ug/l #	59
16) Acetone	3.942	43	4490	62.201	ug/l	96
20) Methylene Chloride	4.704	84	6049	12.098	ug/l #	79
25) 2-Butanone	6.984	43	411	3.583	ug/l #	54
31) Cyclohexane	7.789	56	654	1.231	ug/l #	33
36) 1,1-Dichloropropene	7.783	75	2227	4.492	ug/l #	46
37) Ethyl Acetate	6.984	43	411	1.577	ug/l #	72
38) Carbon Tetrachloride	7.783	117	3158	5.725	ug/l #	16
51) 4-Methyl-2-Pentanone	10.173	43	331	1.265	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	8396	43.411	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	8396	96.388	ug/l #	7

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

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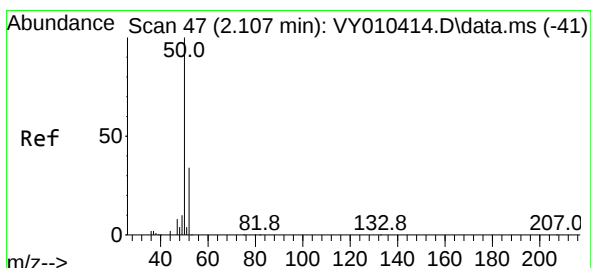
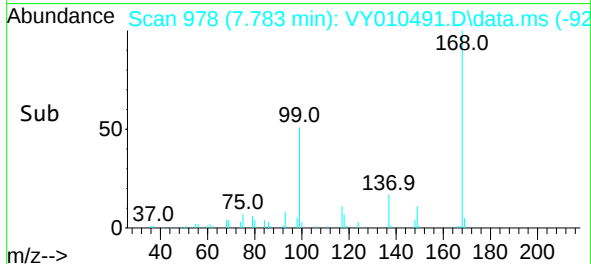
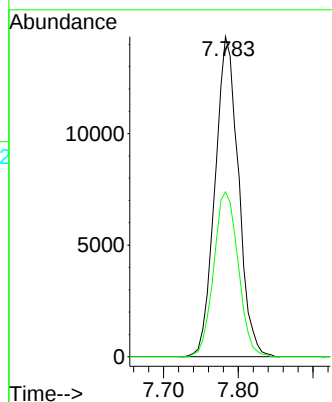
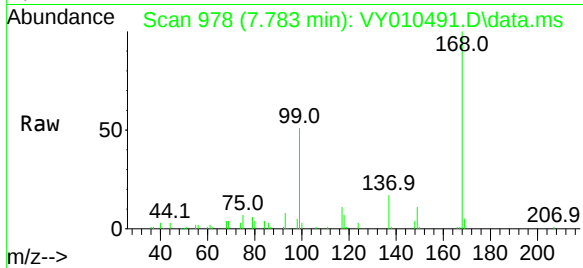




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010491.D
Acq: 14 Sep 2022 17:57

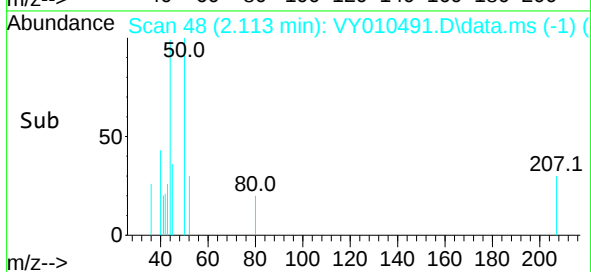
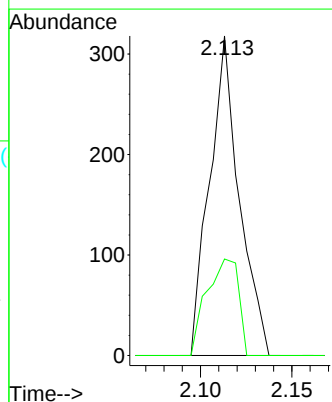
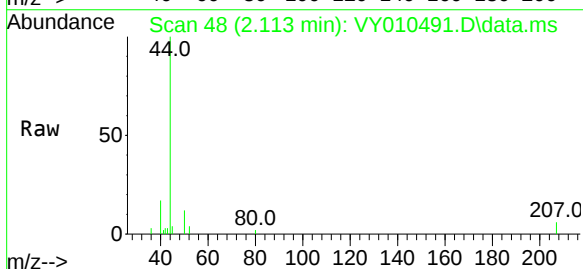
Instrument :
MSVOA_Y
ClientSampleId :
CHERRY-HILL-COMP-9

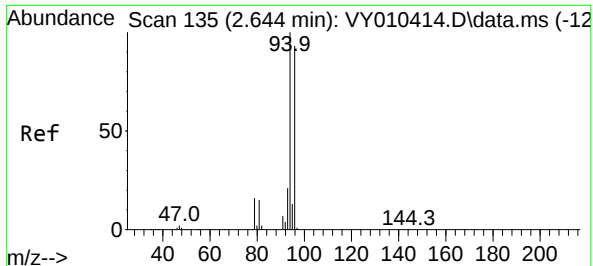
Tgt Ion:168 Resp: 31231
Ion Ratio Lower Upper
168 100
99 51.5 46.9 70.3



#3
Chloromethane
Concen: 1.023 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY010491.D
Acq: 14 Sep 2022 17:57

Tgt Ion: 50 Resp: 359
Ion Ratio Lower Upper
50 100
52 30.2 24.6 37.0

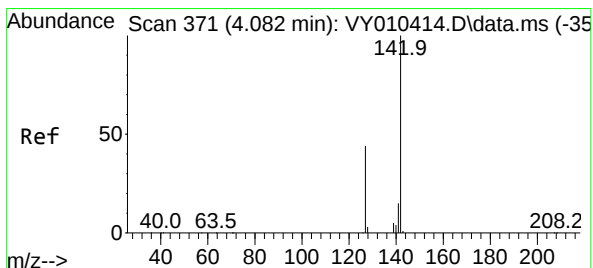
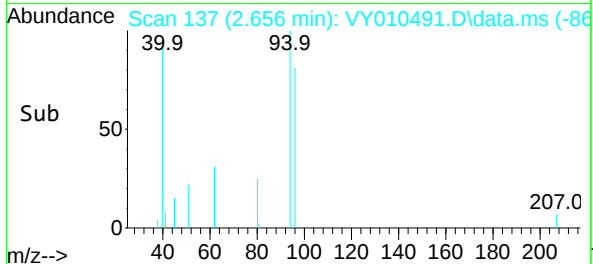
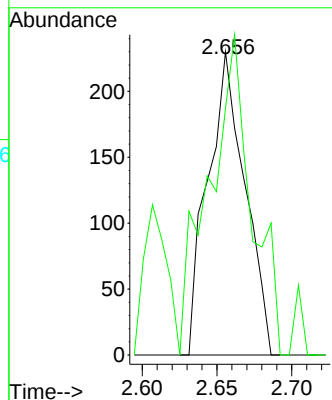
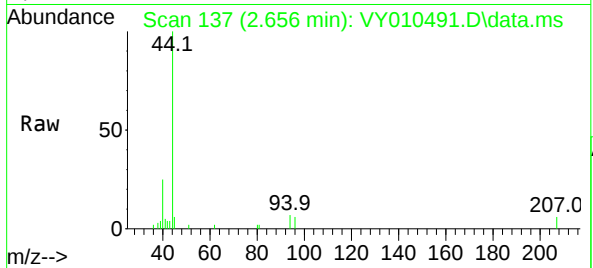




#5
Bromomethane
Concen: 1.309 ug/l
RT: 2.656 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY010491.D
Acq: 14 Sep 2022 17:57

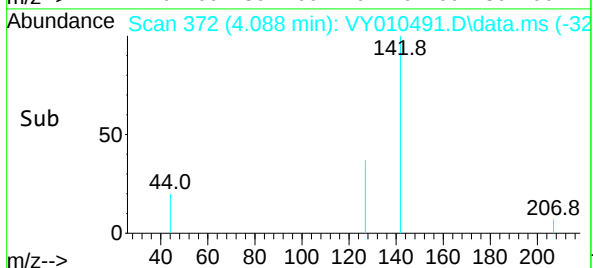
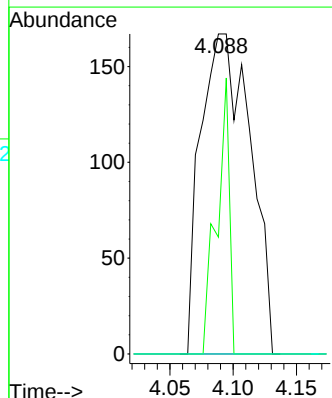
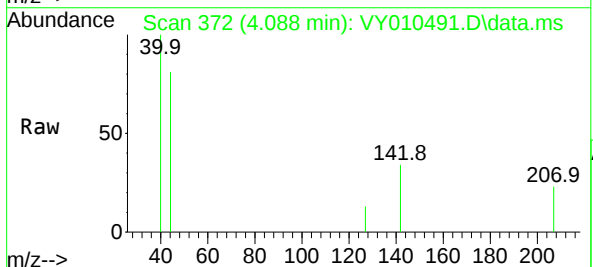
Instrument :
MSVOA_Y
ClientSampleId :
CHERRY-HILL-COMP-9

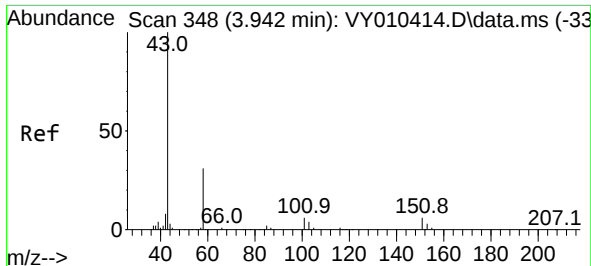
Tgt Ion: 94 Resp: 397
Ion Ratio Lower Upper
94 100
96 81.3 73.5 110.3



#10
Methyl Iodide
Concen: 1.148 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.006 min
Lab File: VY010491.D
Acq: 14 Sep 2022 17:57

Tgt Ion:142 Resp: 456
Ion Ratio Lower Upper
142 100
127 21.9 41.5 62.3#
141 0.0 11.9 17.9#

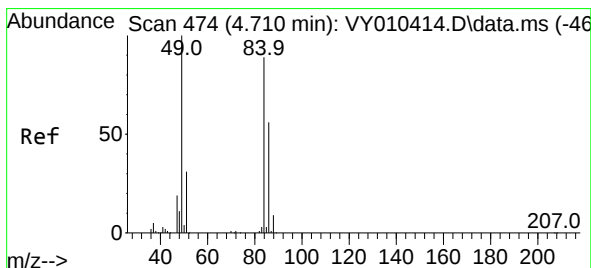
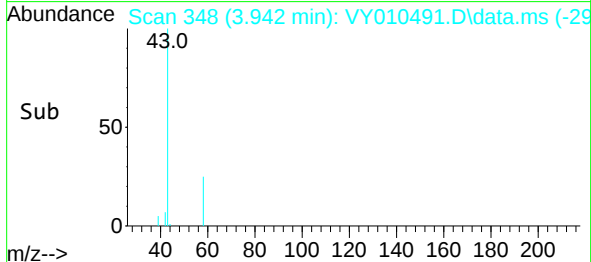
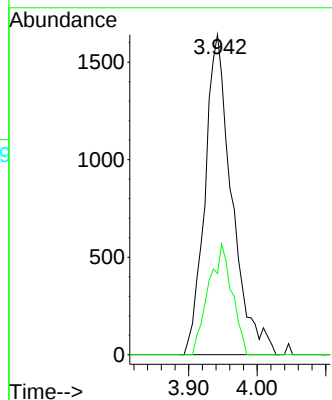
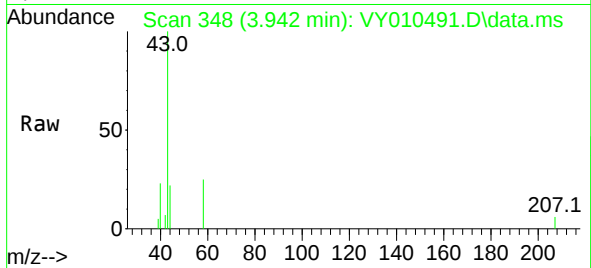




#16
Acetone
Concen: 62.201 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY010491.D
Acq: 14 Sep 2022 17:57

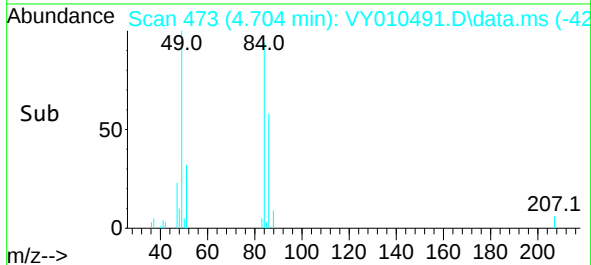
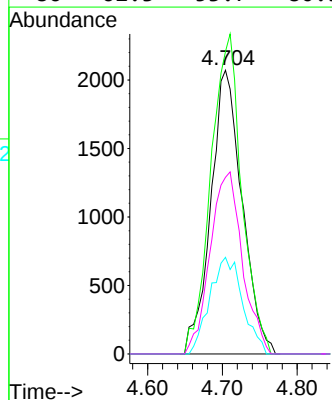
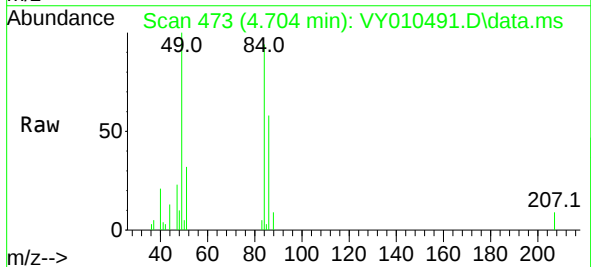
Instrument :
MSVOA_Y
ClientSampleId :
CHERRY-HILL-COMP-9

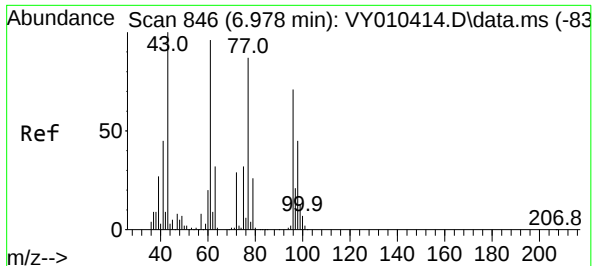
Tgt Ion: 43 Resp: 4490
Ion Ratio Lower Upper
43 100
58 25.4 22.0 33.0



#20
Methylene Chloride
Concen: 12.098 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY010491.D
Acq: 14 Sep 2022 17:57

Tgt Ion: 84 Resp: 6049
Ion Ratio Lower Upper
84 100
49 106.6 114.4 171.6#
51 34.1 35.3 52.9#
86 62.3 53.7 80.5

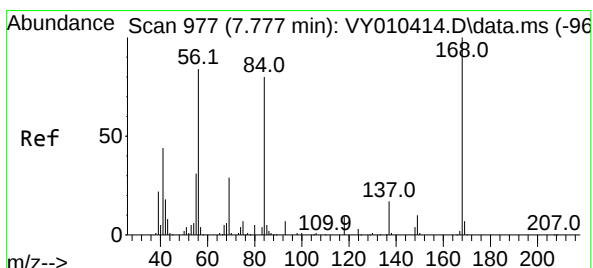
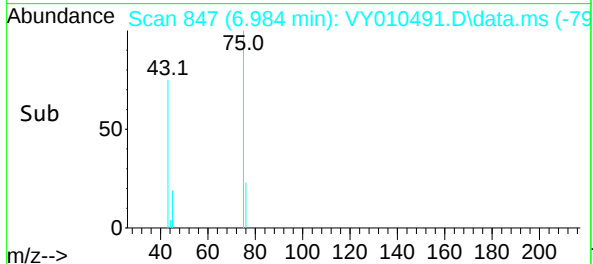
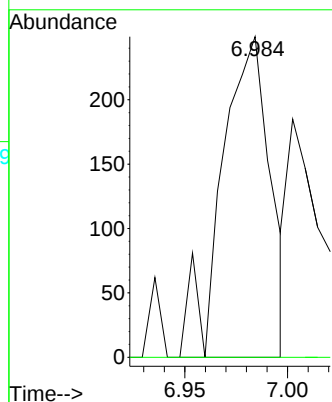
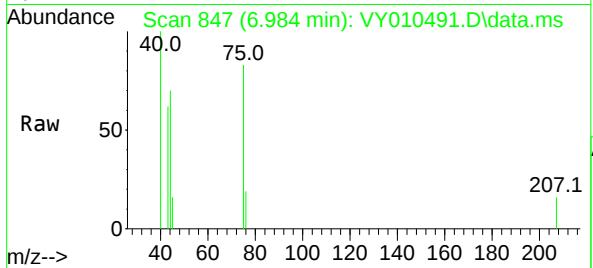




#25
2-Butanone
Concen: 3.583 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY010491.D
Acq: 14 Sep 2022 17:57

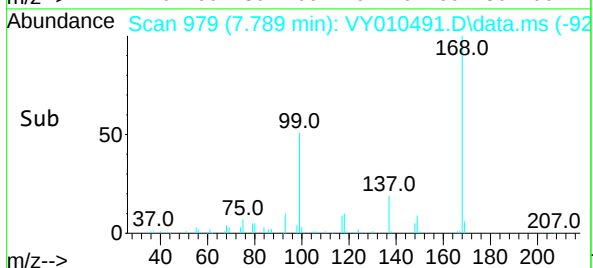
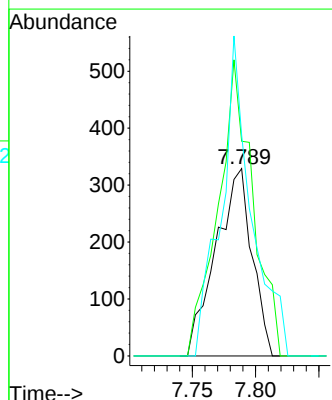
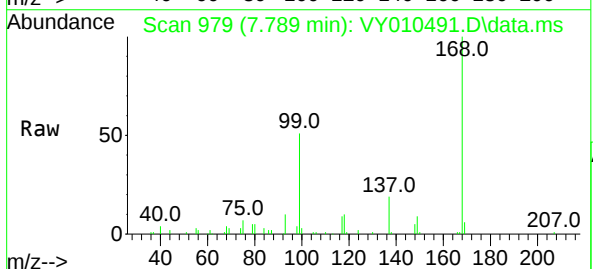
Instrument :
MSVOA_Y
ClientSampleId :
CHERRY-HILL-COMP-9

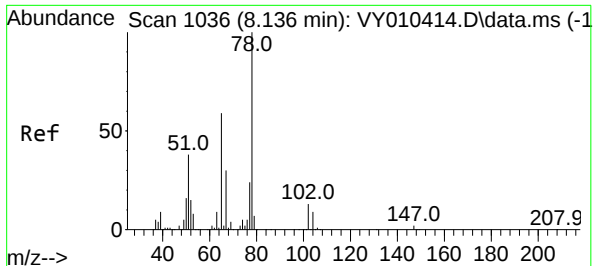
Tgt Ion: 43 Resp: 411
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#31
Cyclohexane
Concen: 1.231 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.012 min
Lab File: VY010491.D
Acq: 14 Sep 2022 17:57

Tgt Ion: 56 Resp: 654
Ion Ratio Lower Upper
56 100
69 114.6 26.7 40.1#
84 117.9 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 54.672 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY010491.D

Acq: 14 Sep 2022 17:57

Instrument :

MSVOA_Y

ClientSampleId :

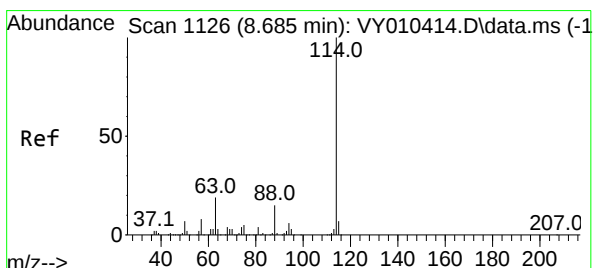
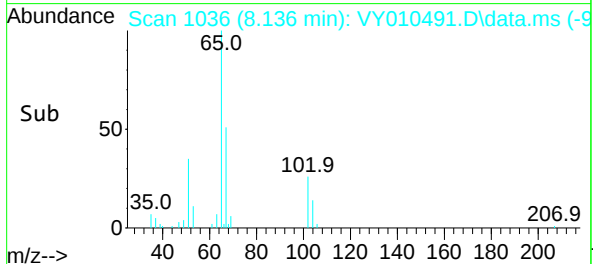
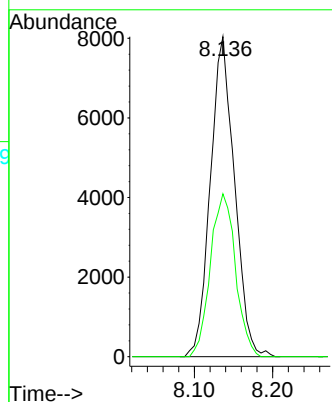
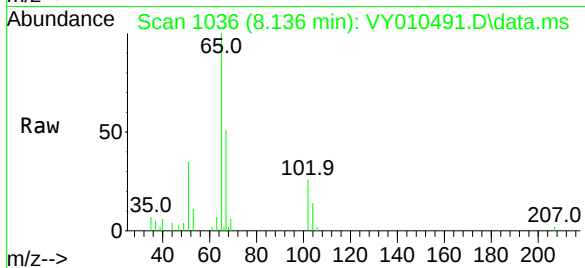
CHERRY-HILL-COMP-9

Tgt Ion: 65 Resp: 17197

Ion Ratio Lower Upper

65 100

67 52.9 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: VY010491.D

Acq: 14 Sep 2022 17:57

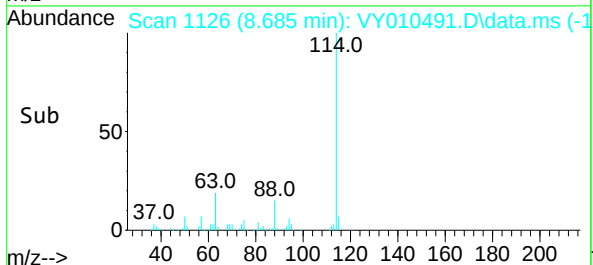
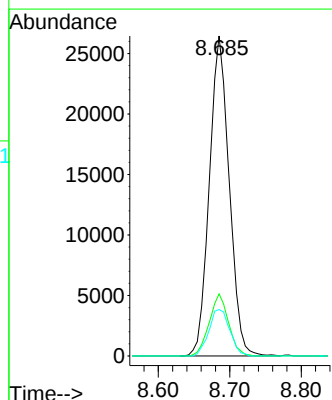
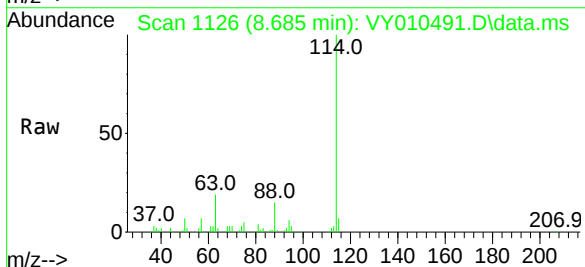
Tgt Ion: 114 Resp: 50992

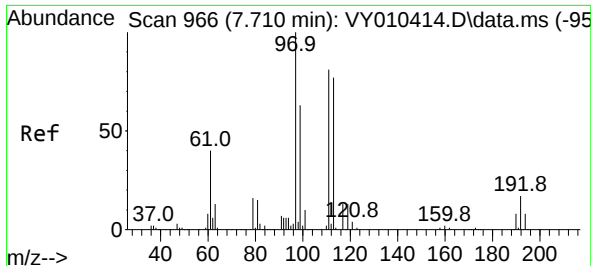
Ion Ratio Lower Upper

114 100

63 19.4 0.0 43.2

88 14.5 0.0 31.8

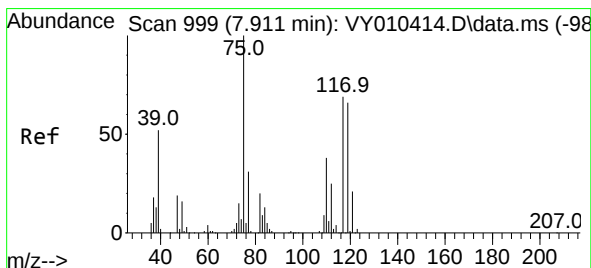
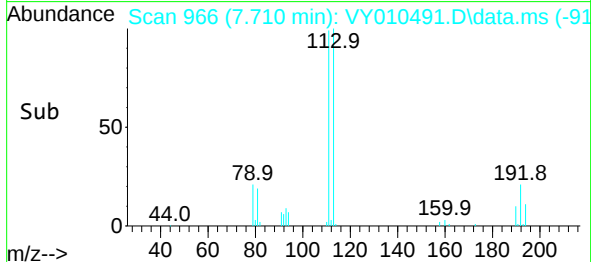
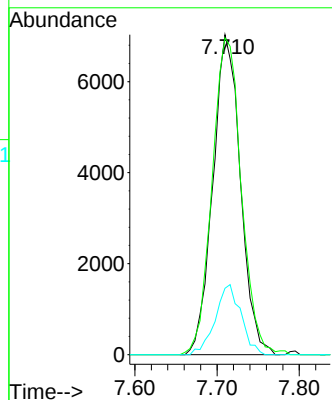
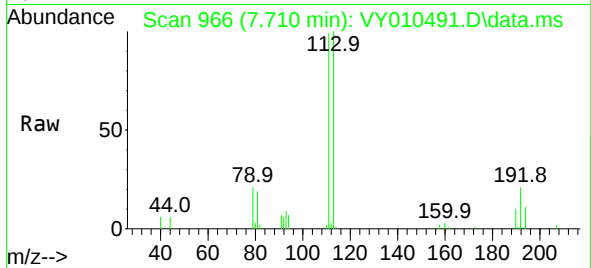




#35
Dibromofluoromethane
Concen: 45.186 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY010491.D
Acq: 14 Sep 2022 17:57

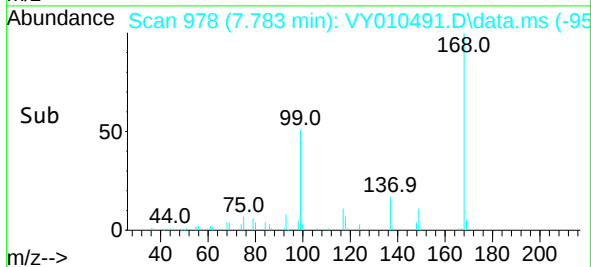
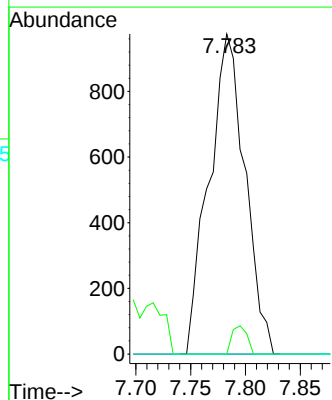
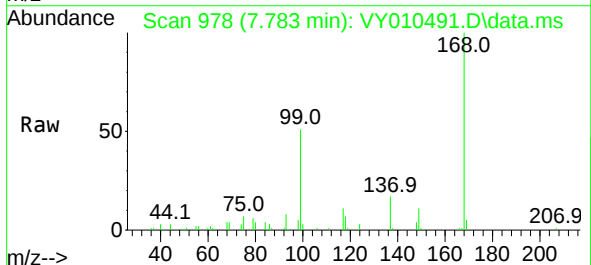
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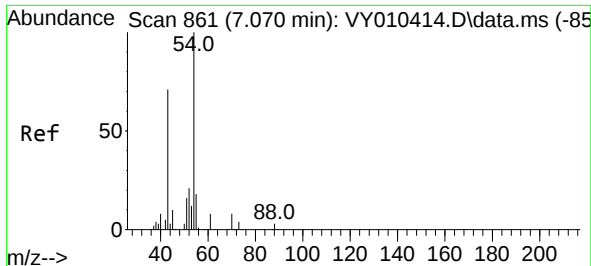
Tgt Ion:113 Resp: 16364
Ion Ratio Lower Upper
113 100
111 104.9 82.6 124.0
192 20.4 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.492 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010491.D
Acq: 14 Sep 2022 17:57

Tgt Ion: 75 Resp: 2227
Ion Ratio Lower Upper
75 100
110 3.7 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.577 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.086 min

Lab File: VY010491.D

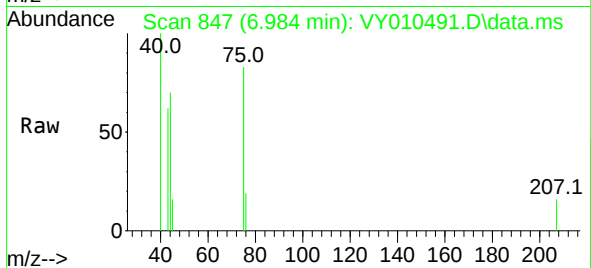
Acq: 14 Sep 2022 17:57

Instrument :

MSVOA_Y

ClientSampleId :

CHERRY-HILL-COMP-9



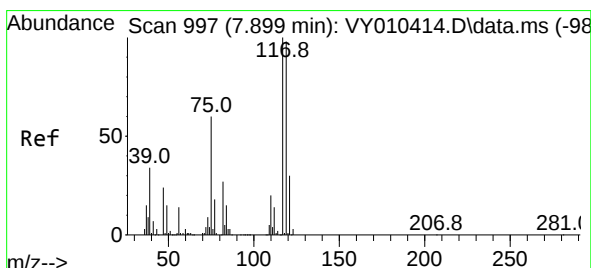
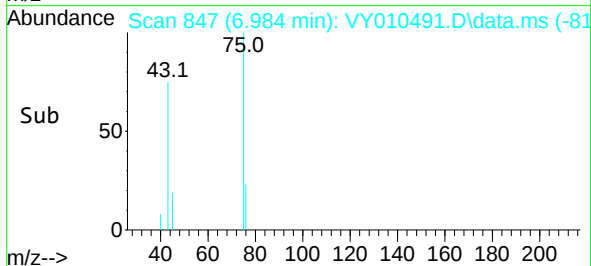
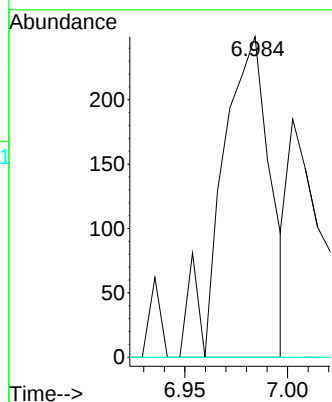
Tgt Ion: 43 Resp: 411

Ion Ratio Lower Upper

43 100

61 0.0 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.725 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY010491.D

Acq: 14 Sep 2022 17:57

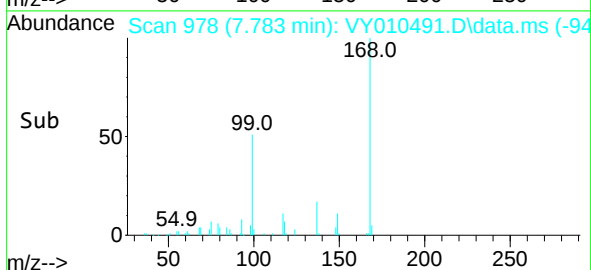
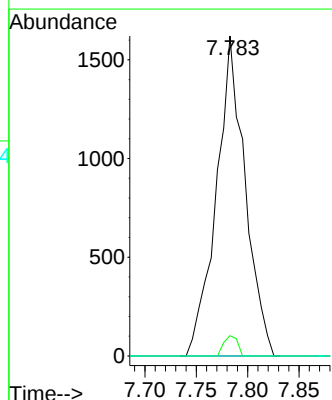
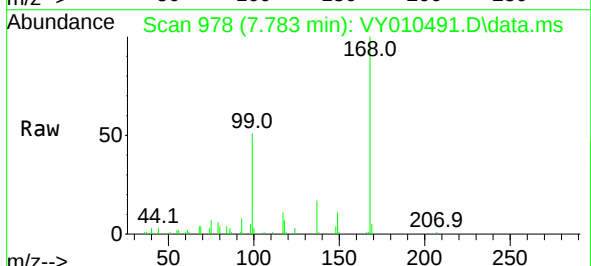
Tgt Ion: 117 Resp: 3158

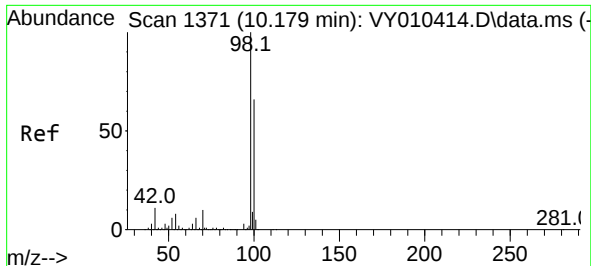
Ion Ratio Lower Upper

117 100

119 6.4 77.9 116.9#

121 0.0 24.8 37.2#

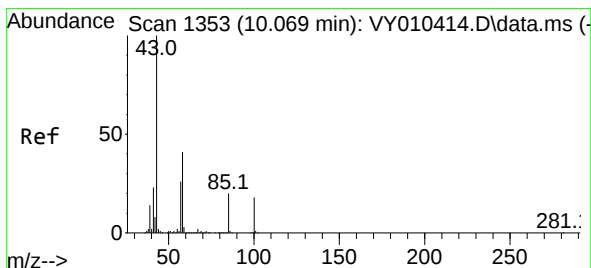
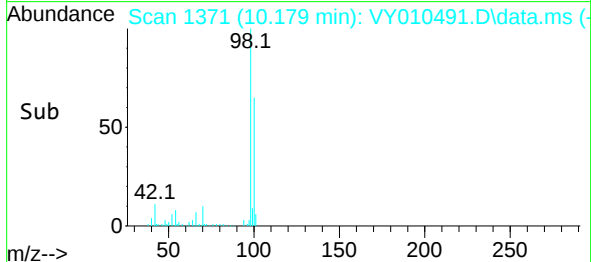
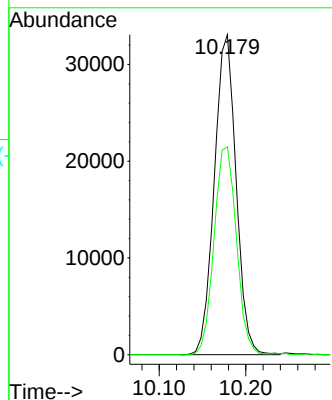
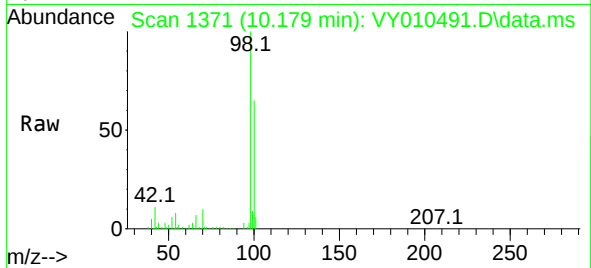




#50
Toluene-d8
Concen: 49.246 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010491.D
Acq: 14 Sep 2022 17:57

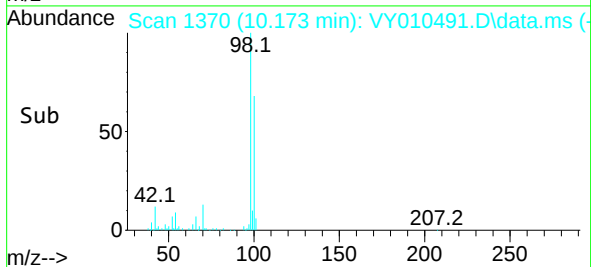
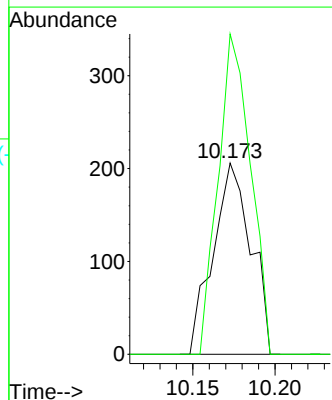
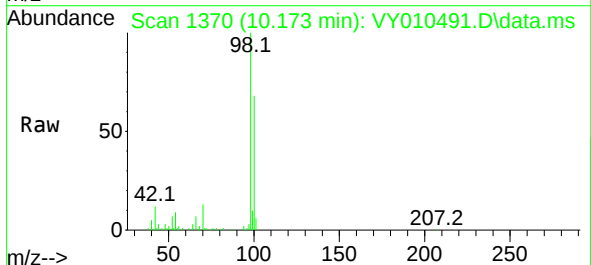
Instrument :
MSVOA_Y
ClientSampleId :
CHERRY-HILL-COMP-9

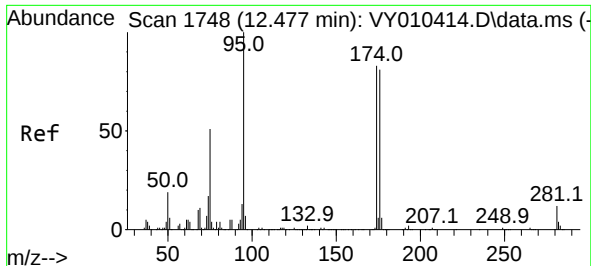
Tgt Ion: 98 Resp: 57800
Ion Ratio Lower Upper
98 100
100 66.6 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.265 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. 0.104 min
Lab File: VY010491.D
Acq: 14 Sep 2022 17:57

Tgt Ion: 43 Resp: 331
Ion Ratio Lower Upper
43 100
58 143.2 28.1 42.1#

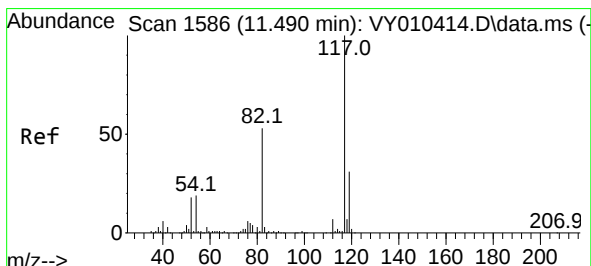
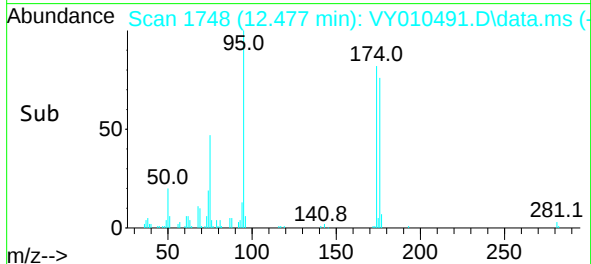
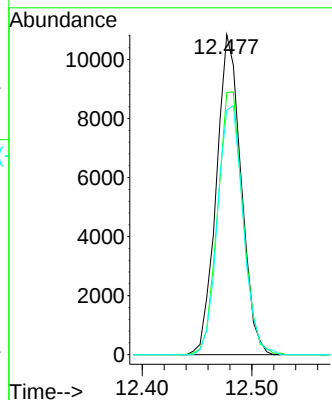
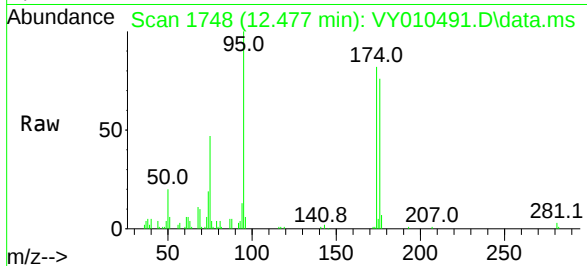




#62
4-Bromofluorobenzene
Concen: 34.659 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010491.D
Acq: 14 Sep 2022 17:57

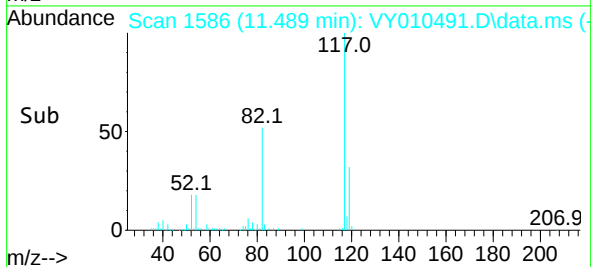
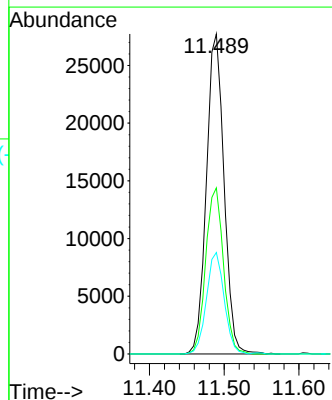
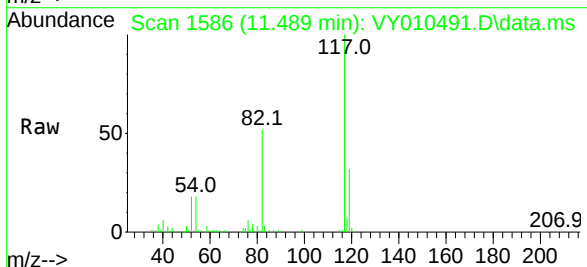
Instrument :
MSVOA_Y
ClientSampleId :
CHERRY-HILL-COMP-9

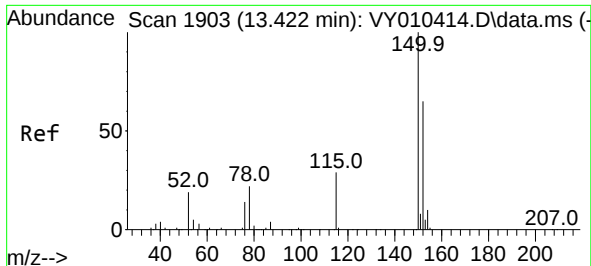
Tgt Ion: 95 Resp: 17003
Ion Ratio Lower Upper
95 100
174 83.9 0.0 177.0
176 80.6 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010491.D
Acq: 14 Sep 2022 17:57

Tgt Ion: 117 Resp: 45335
Ion Ratio Lower Upper
117 100
82 51.9 43.0 64.4
119 31.7 25.4 38.0

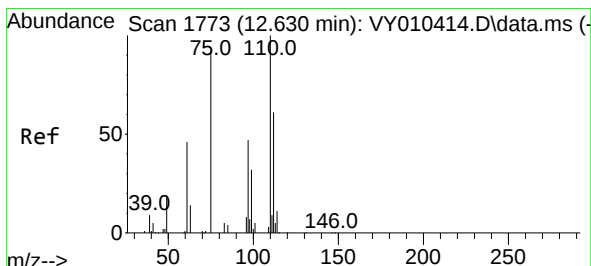
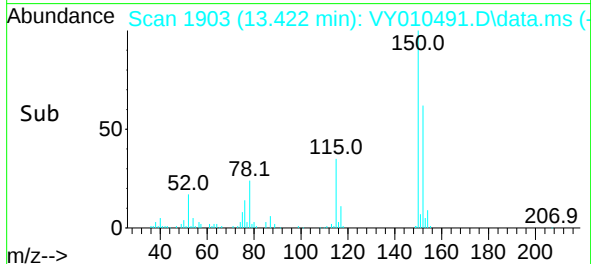
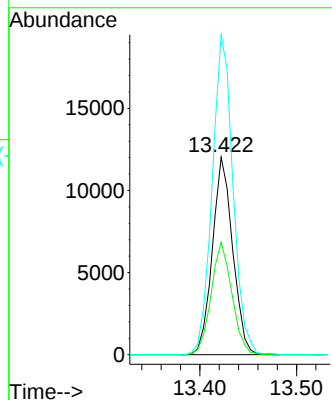
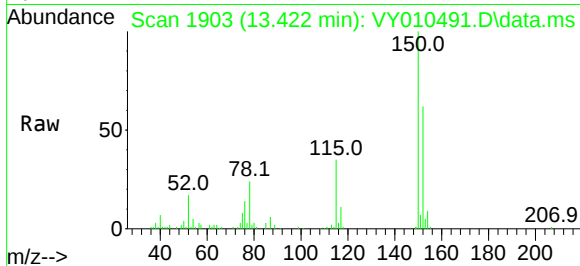




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010491.D
Acq: 14 Sep 2022 17:57

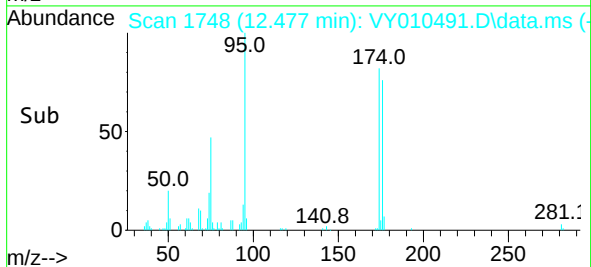
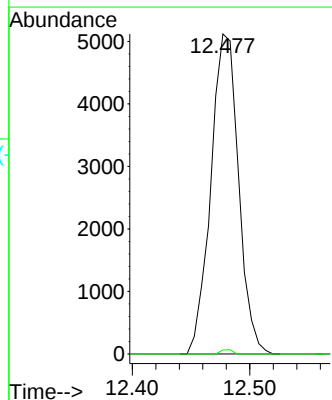
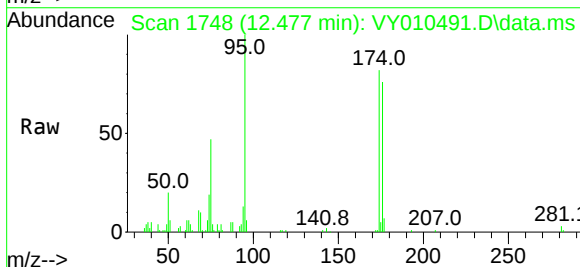
Instrument :
MSVOA_Y
ClientSampleId :
CHERRY-HILL-COMP-9

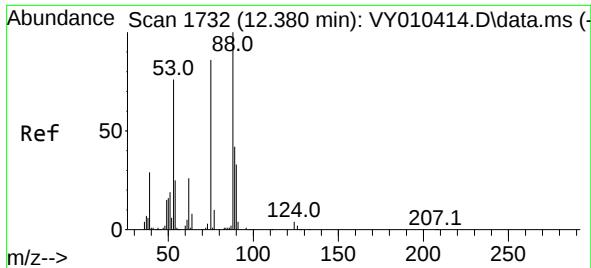
Tgt Ion:152 Resp: 17524
Ion Ratio Lower Upper
152 100
115 58.2 28.2 84.7
150 165.7 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 43.411 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010491.D
Acq: 14 Sep 2022 17:57

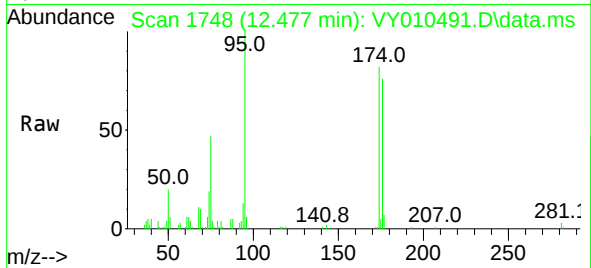
Tgt Ion: 75 Resp: 8396
Ion Ratio Lower Upper
75 100
77 0.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.388 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY010491.D
 Acq: 14 Sep 2022 17:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 CHERRY-HILL-COMP-9



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

