

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032122\
 Data File : VY007981.D
 Acq On : 22 Mar 2022 03:03
 Operator : SY/MD
 Sample : N2031-13
 Misc : 7.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CMP-B2-031822-2-5

Quant Time: Mar 22 03:45:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 13:55:34 2022
 Response via : Initial Calibration

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

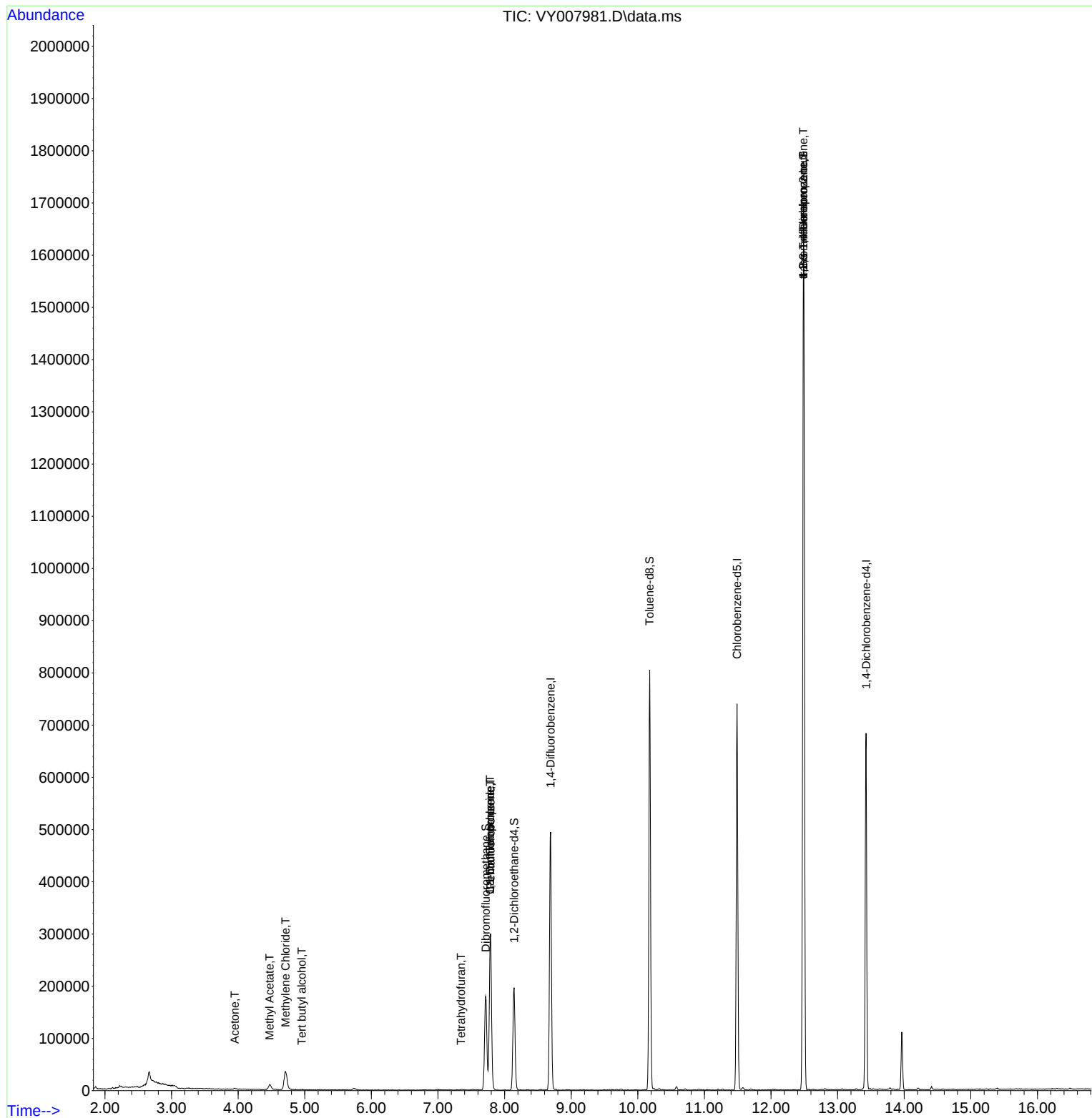
Internal Standards						
1) Pentafluorobenzene	7.789	168	225392	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	423009	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	393706	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	163052	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	151650	59.010	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.020%	
35) Dibromofluoromethane	7.715	113	130717	44.001	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 88.000%	
50) Toluene-d8	10.178	98	520655	59.111	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 118.220%	
62) 4-Bromofluorobenzene	12.483	95	181764	42.632	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 85.260%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	68	Below Cal	#	61
3) Chloromethane	2.113	50	1174	Below Cal		100
4) Vinyl Chloride	2.265	62	188	Below Cal	#	43
5) Bromomethane	2.655	94	83	Below Cal	#	4
11) Tert butyl alcohol	4.954	59	705	2.355	ug/l #	77
16) Acetone	3.948	43	2975	4.364	ug/l	91
17) Carbon Disulfide	4.186	76	297	Below Cal	#	75
18) Methyl Acetate	4.472	43	18154	6.116	ug/l #	90
20) Methylene Chloride	4.710	84	27502	6.366	ug/l #	83
29) Tetrahydrofuran	7.344	42	954	1.363	ug/l #	57
31) Cyclohexane	7.783	56	5138	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	19702	4.471	ug/l #	50
38) Carbon Tetrachloride	7.783	117	24088	5.116	ug/l #	16
39) Methylcyclohexane	9.173	83	62	Below Cal	#	52
76) 1,2,3-Trichloropropane	12.483	75	111203	47.849	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	111203	100.502	ug/l #	9

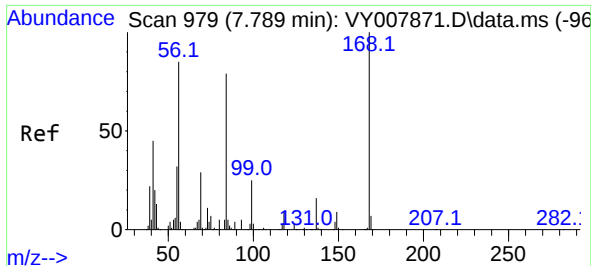
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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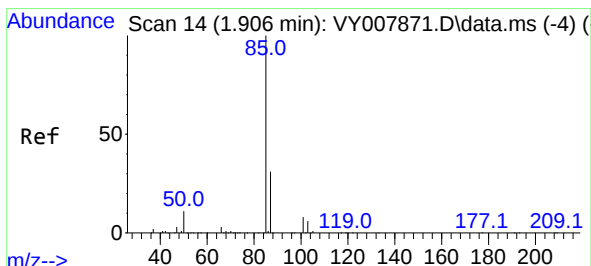
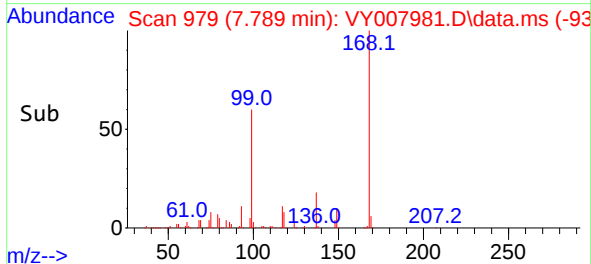
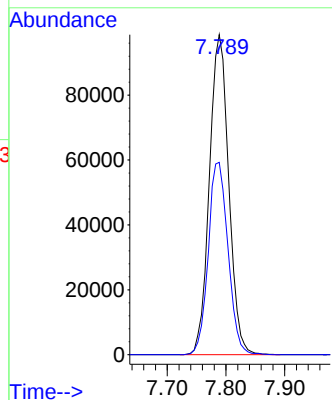
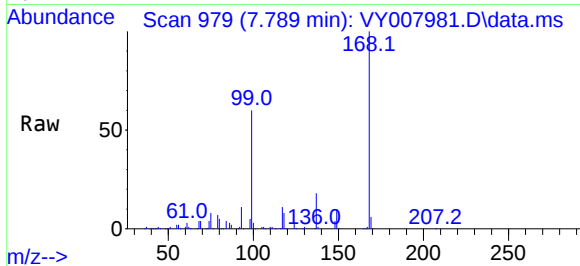




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007981.D
Acq: 22 Mar 2022 03:03

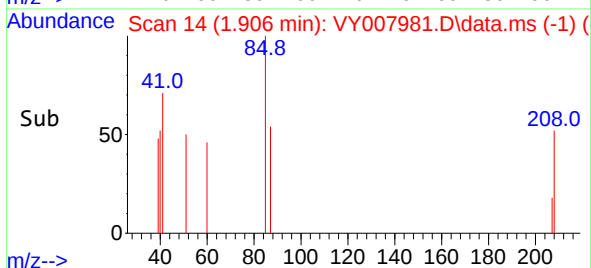
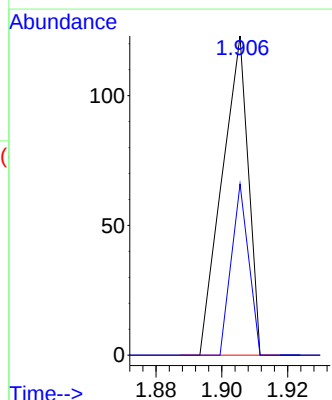
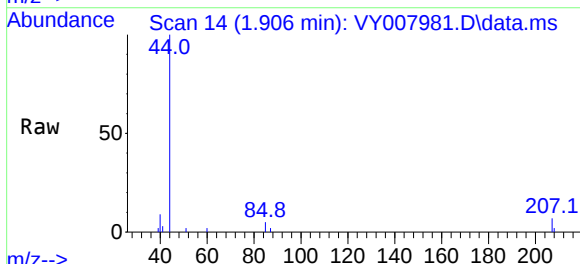
Instrument :
MSVOA_Y
ClientSampleId :
CMP-B2-031822-2-5

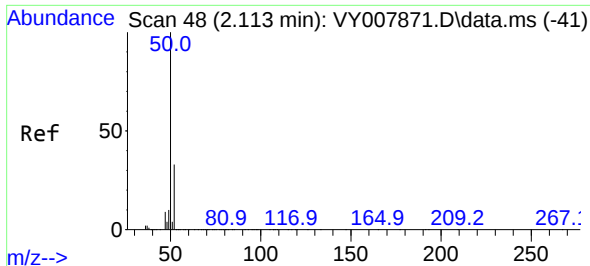
Tgt Ion:168 Resp: 225392
Ion Ratio Lower Upper
168 100
99 60.1 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY007981.D
Acq: 22 Mar 2022 03:03

Tgt Ion: 85 Resp: 68
Ion Ratio Lower Upper
85 100
87 53.7 16.1 48.2#

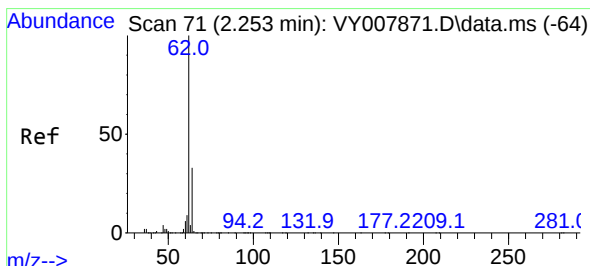
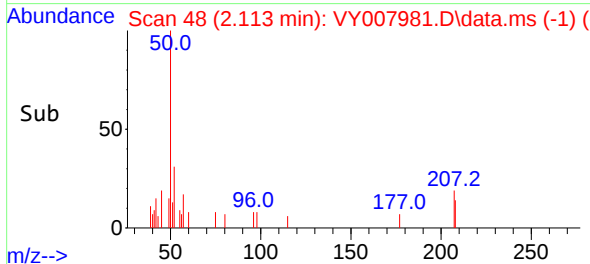
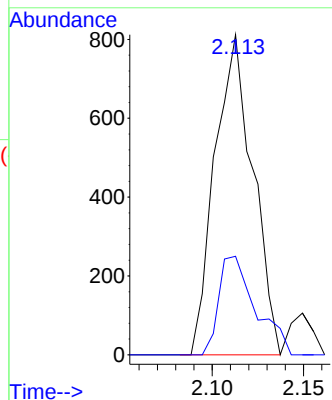
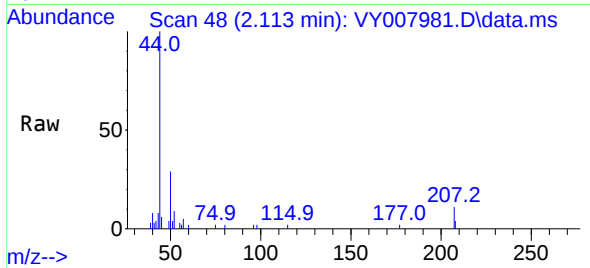




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY007981.D
Acq: 22 Mar 2022 03:03

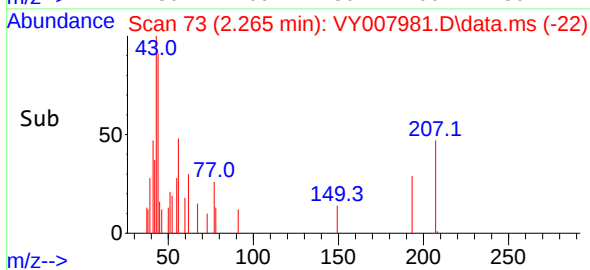
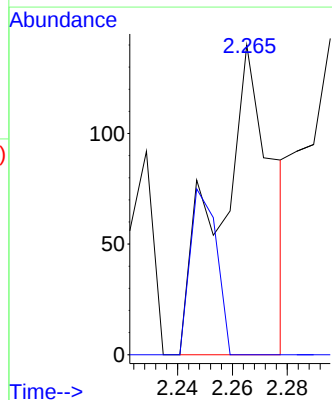
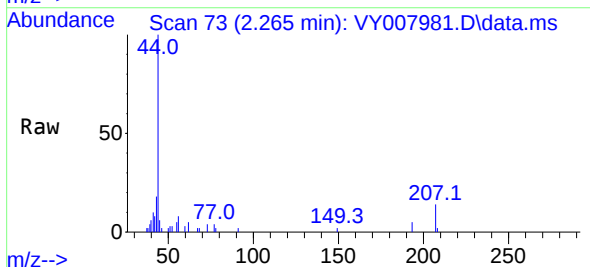
Instrument :
MSVOA_Y
ClientSampleId :
CMP-B2-031822-2-5

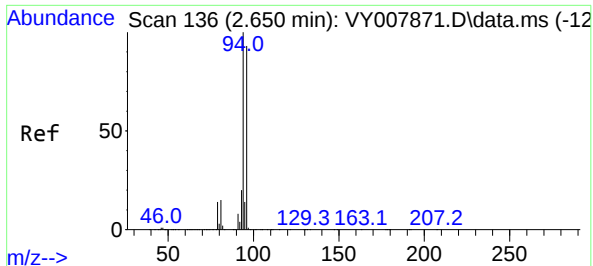
Tgt Ion: 50 Resp: 1174
Ion Ratio Lower Upper
50 100
52 30.8 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.265 min Scan# 73
Delta R.T. 0.012 min
Lab File: VY007981.D
Acq: 22 Mar 2022 03:03

Tgt Ion: 62 Resp: 188
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

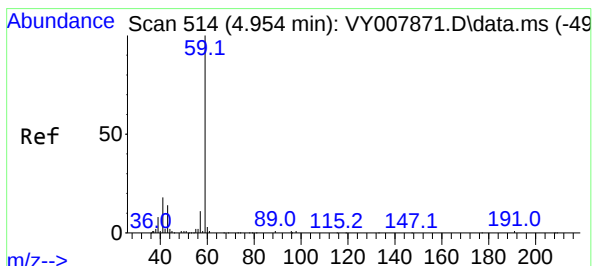
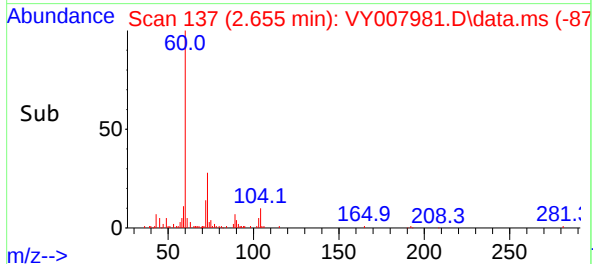
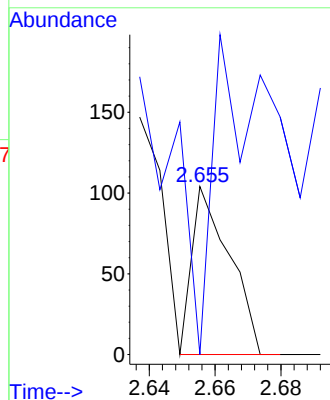
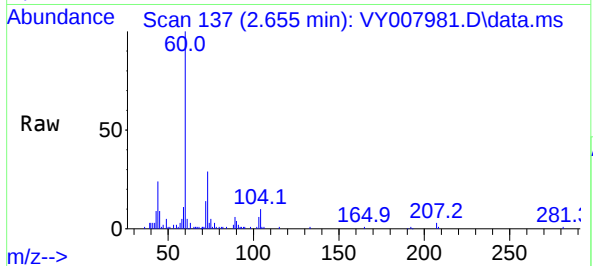




#5
Bromomethane
Concen: Below Cal
RT: 2.655 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY007981.D
Acq: 22 Mar 2022 03:03

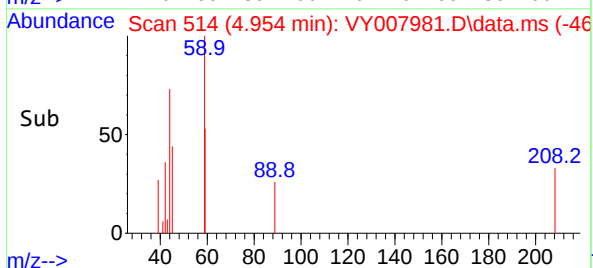
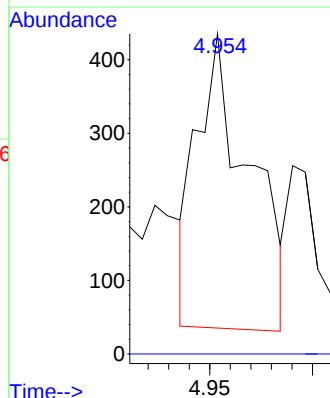
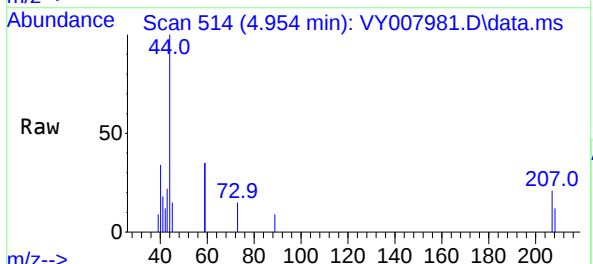
Instrument :
MSVOA_Y
ClientSampleId :
CMP-B2-031822-2-5

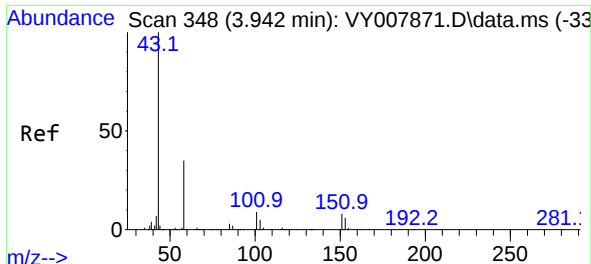
Tgt Ion: 94 Resp: 83
Ion Ratio Lower Upper
94 100
96 0.0 73.5 110.3#



#11
Tert butyl alcohol
Concen: 2.355 ug/l
RT: 4.954 min Scan# 514
Delta R.T. -0.000 min
Lab File: VY007981.D
Acq: 22 Mar 2022 03:03

Tgt Ion: 59 Resp: 705
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

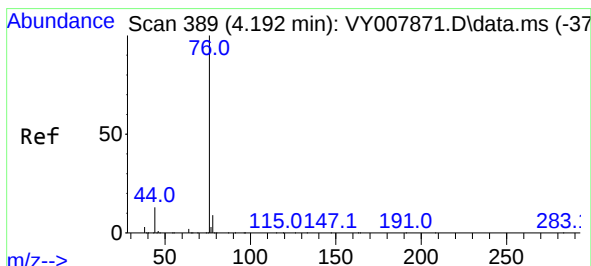
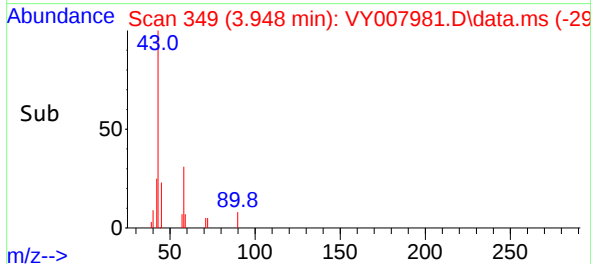
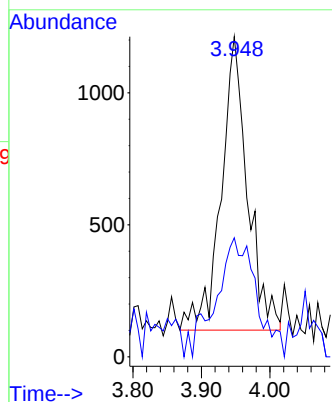
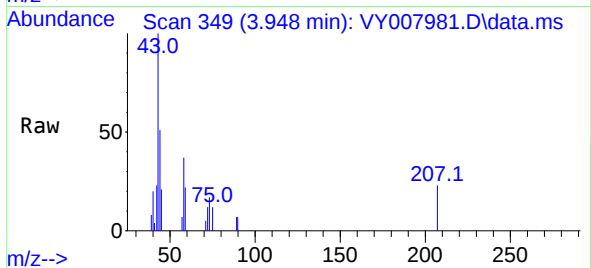




#16
Acetone
Concen: 4.364 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY007981.D
Acq: 22 Mar 2022 03:03

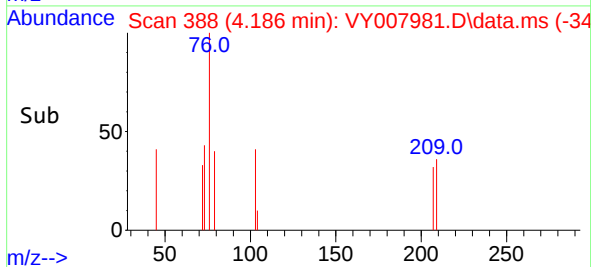
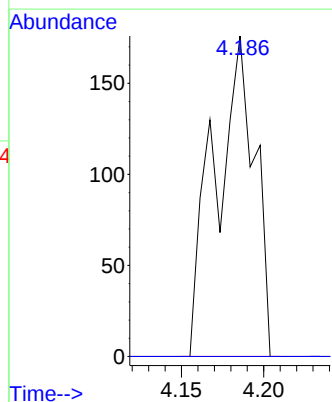
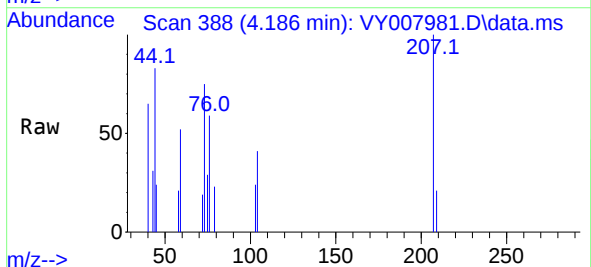
Instrument :
MSVOA_Y
ClientSampleId :
CMP-B2-031822-2-5

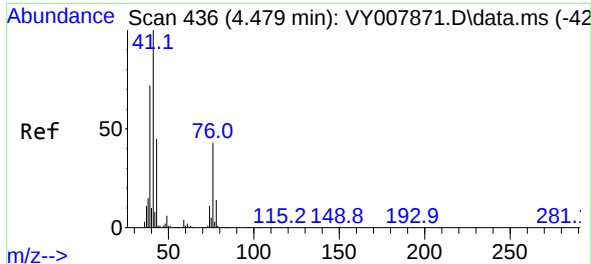
Tgt Ion: 43 Resp: 2975
Ion Ratio Lower Upper
43 100
58 32.0 22.0 33.0



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.186 min Scan# 388
Delta R.T. -0.007 min
Lab File: VY007981.D
Acq: 22 Mar 2022 03:03

Tgt Ion: 76 Resp: 297
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#





#18

Methyl Acetate

Concen: 6.116 ug/l

RT: 4.472 min Scan# 41

Delta R.T. -0.000 min

Lab File: VY007981.D

Acq: 22 Mar 2022 03:03

Instrument :

MSVOA_Y

ClientSampleId :

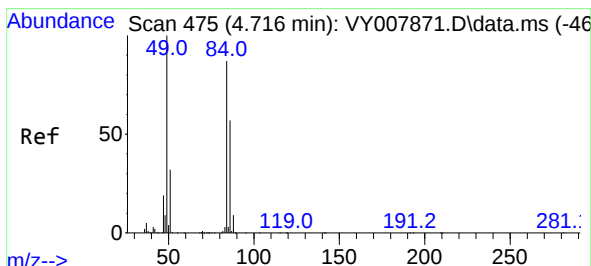
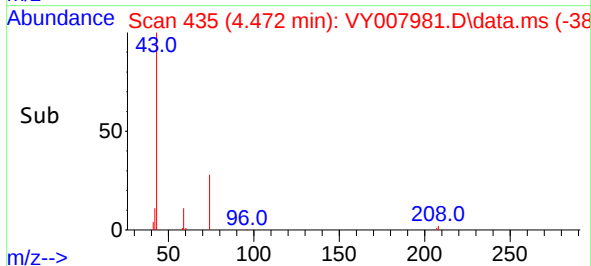
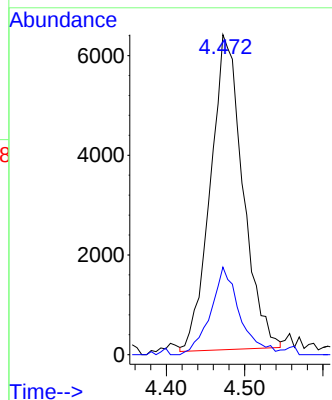
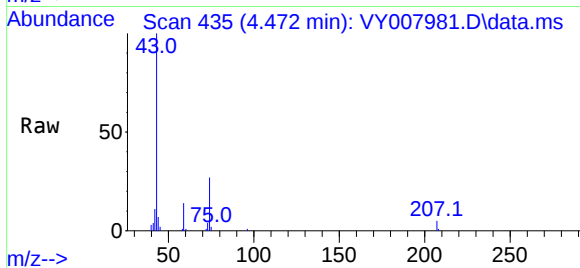
CMP-B2-031822-2-5

Tgt Ion: 43 Resp: 18154

Ion Ratio Lower Upper

43 100

74 25.1 16.6 24.8#



#20

Methylene Chloride

Concen: 6.366 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.007 min

Lab File: VY007981.D

Acq: 22 Mar 2022 03:03

Tgt Ion: 84 Resp: 27502

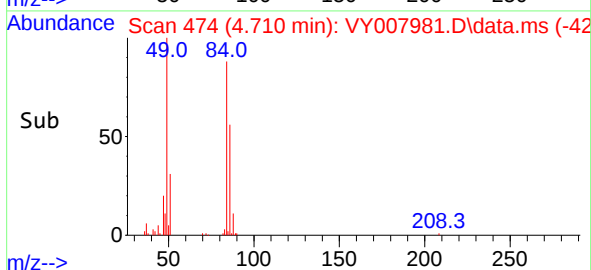
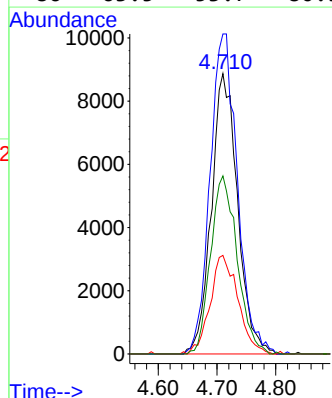
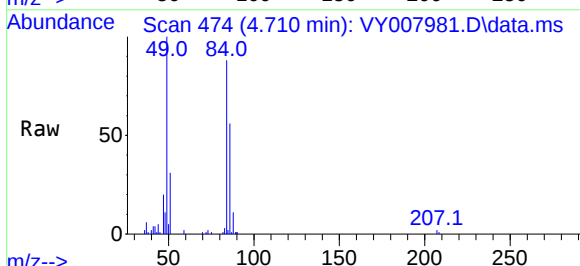
Ion Ratio Lower Upper

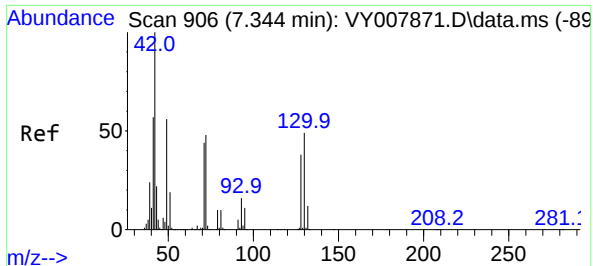
84 100

49 114.1 114.4 171.6#

51 35.2 35.3 52.9#

86 63.5 53.7 80.5

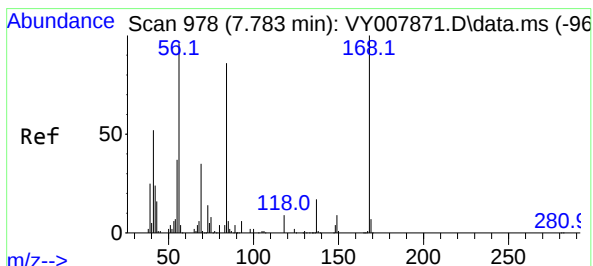
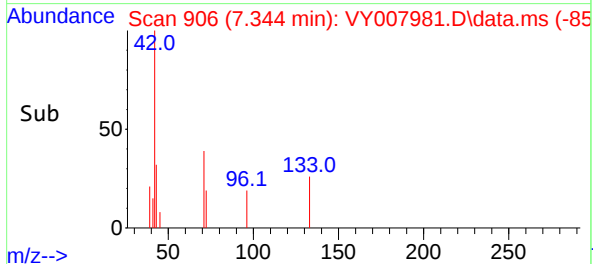
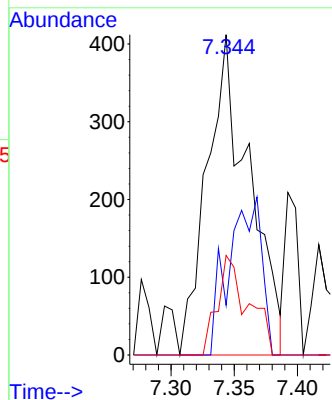
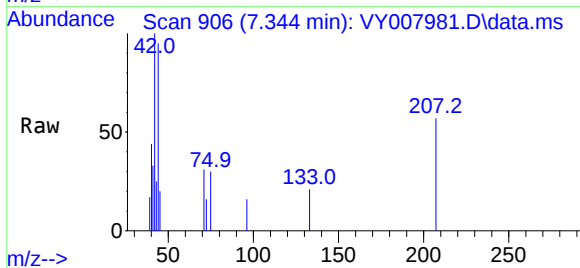




#29
Tetrahydrofuran
Concen: 1.363 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY007981.D
Acq: 22 Mar 2022 03:03

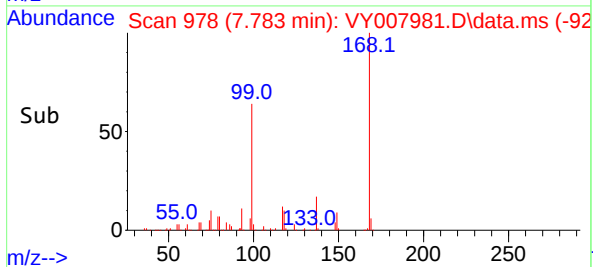
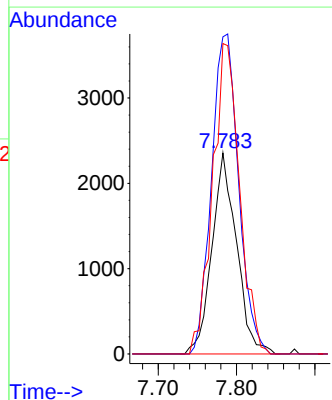
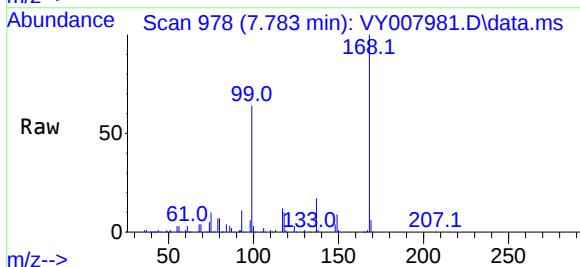
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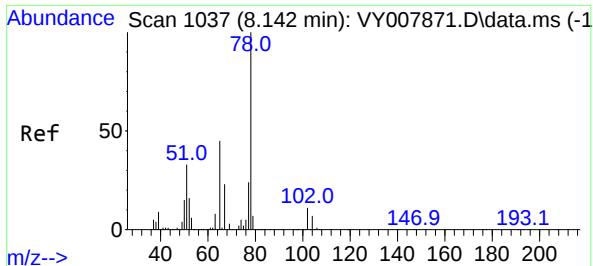
Tgt Ion:	42	Resp:	954
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.3	45.5#
71	22.6	29.0	43.4#



#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY007981.D
Acq: 22 Mar 2022 03:03

Tgt Ion:	56	Resp:	5138
Ion	Ratio	Lower	Upper
56	100		
69	157.8	26.7	40.1#
84	154.5	67.2	100.8#

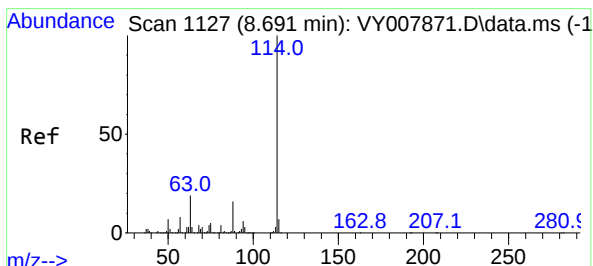
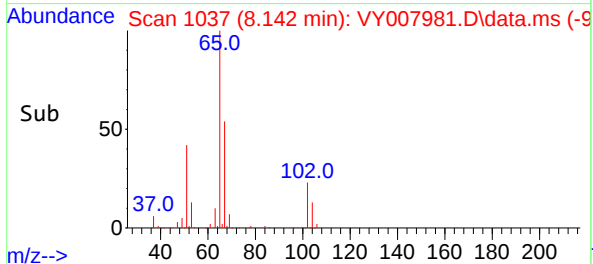
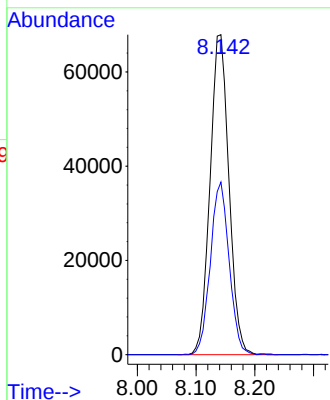
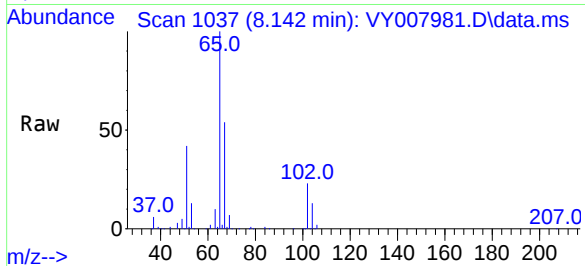




#33
1,2-Dichloroethane-d4
Concen: 59.010 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY007981.D
Acq: 22 Mar 2022 03:03

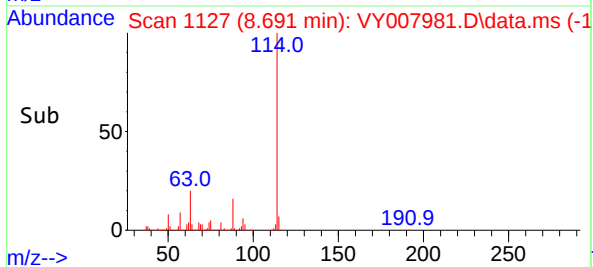
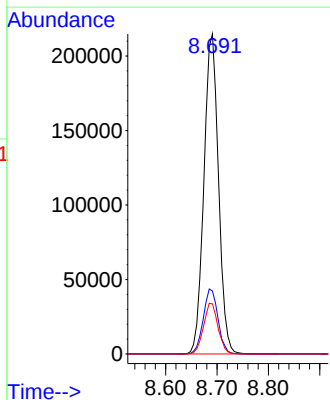
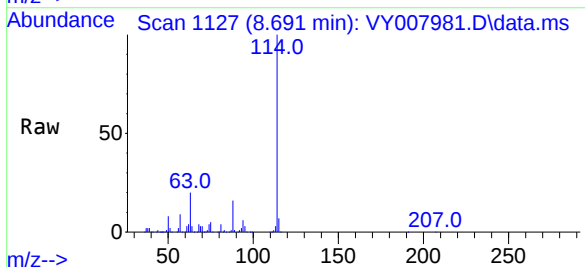
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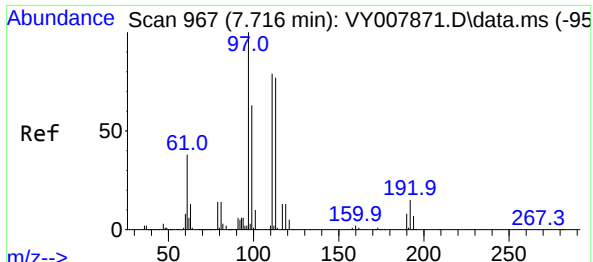
Tgt Ion: 65 Resp: 151650
Ion Ratio Lower Upper
65 100
67 53.6 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY007981.D
Acq: 22 Mar 2022 03:03

Tgt Ion: 114 Resp: 423009
Ion Ratio Lower Upper
114 100
63 19.7 0.0 43.2
88 15.6 0.0 31.8

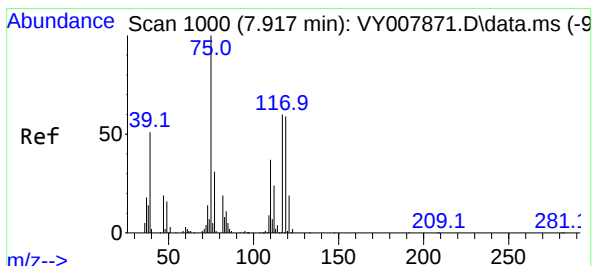
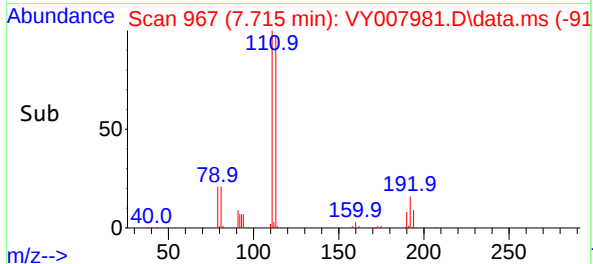
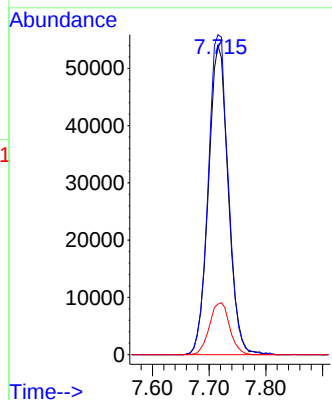
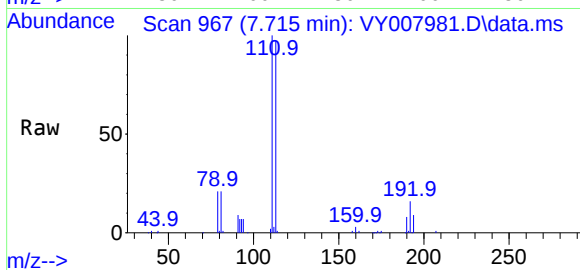




#35
Dibromofluoromethane
Concen: 44.001 ug/l
RT: 7.715 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007981.D
Acq: 22 Mar 2022 03:03

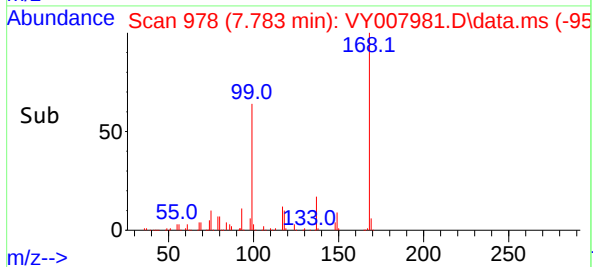
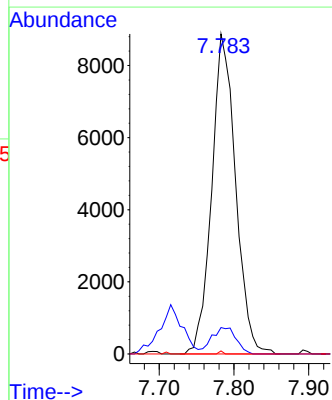
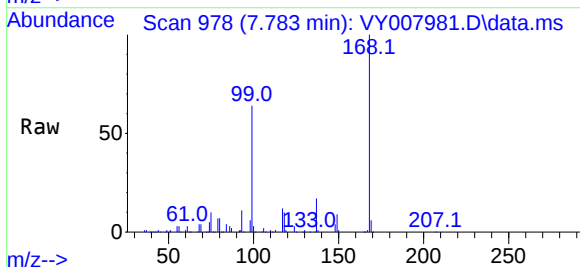
Instrument :
MSVOA_Y
ClientSampleId :
CMP-B2-031822-2-5

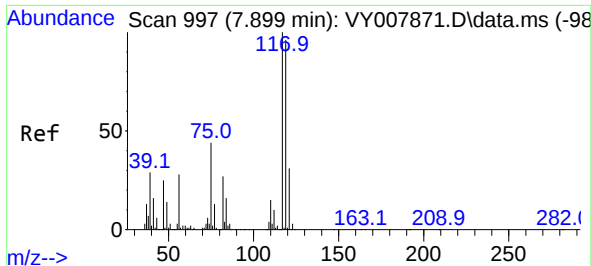
Tgt Ion:113 Resp: 130717
Ion Ratio Lower Upper
113 100
111 104.8 82.6 124.0
192 17.1 17.6 26.4#



#36
1,1-Dichloropropene
Concen: 4.471 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.135 min
Lab File: VY007981.D
Acq: 22 Mar 2022 03:03

Tgt Ion: 75 Resp: 19702
Ion Ratio Lower Upper
75 100
110 8.5 17.1 51.2#
77 0.2 24.4 36.6#

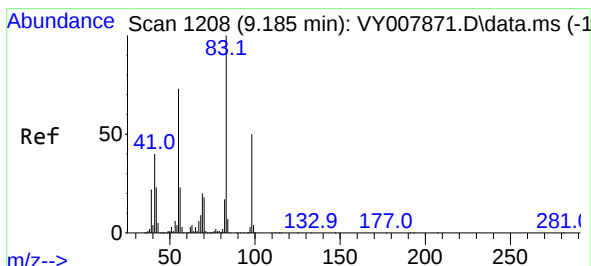
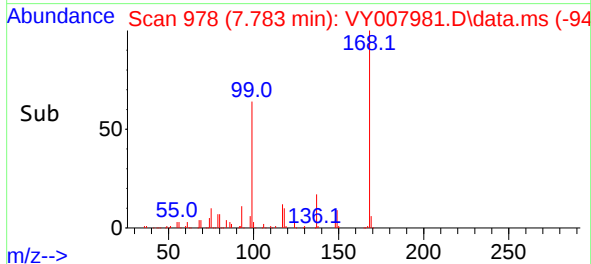
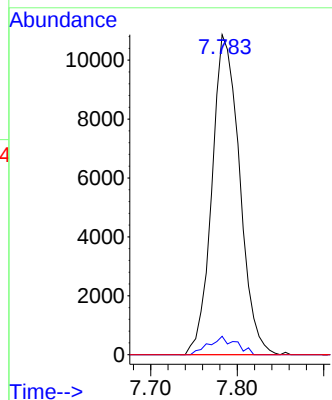
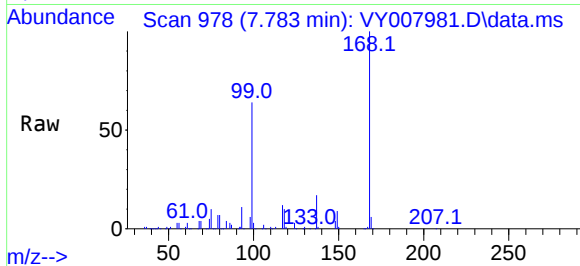




#38
Carbon Tetrachloride
Concen: 5.116 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY007981.D
Acq: 22 Mar 2022 03:03

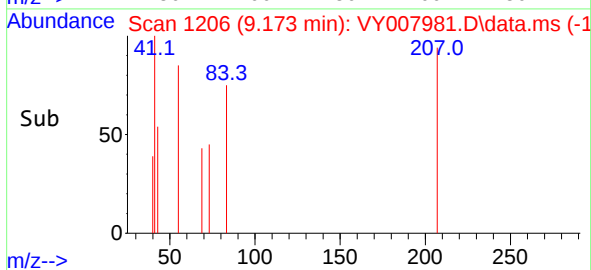
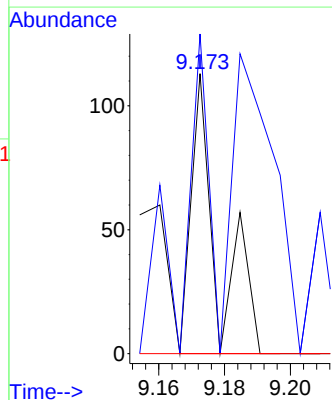
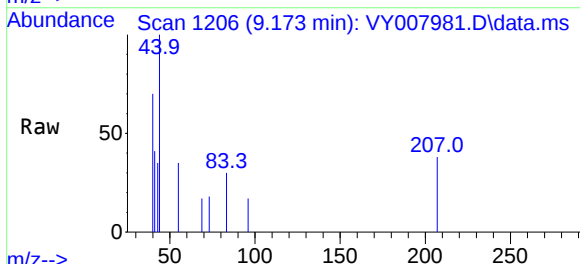
Instrument :
MSVOA_Y
ClientSampleId :
CMP-B2-031822-2-5

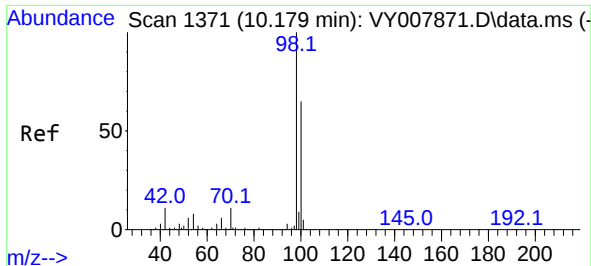
Tgt Ion:117 Resp: 24088
Ion Ratio Lower Upper
117 100
119 5.7 77.9 116.9#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: Below Cal
RT: 9.173 min Scan# 1206
Delta R.T. -0.013 min
Lab File: VY007981.D
Acq: 22 Mar 2022 03:03

Tgt Ion: 83 Resp: 62
Ion Ratio Lower Upper
83 100
55 114.2 66.5 99.7#
98 0.0 37.9 56.9#

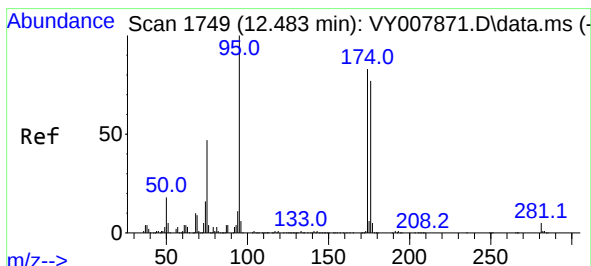
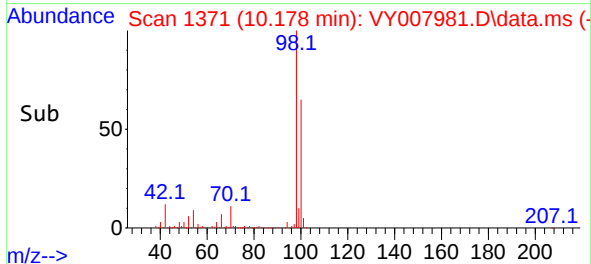
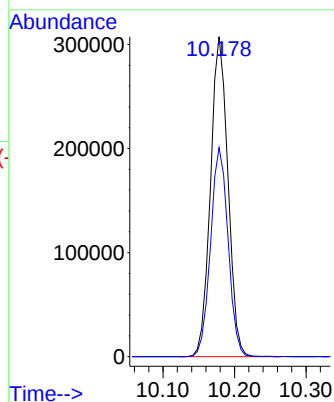
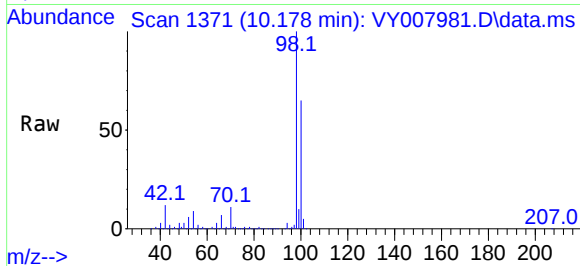




#50
Toluene-d8
Concen: 59.111 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007981.D
Acq: 22 Mar 2022 03:03

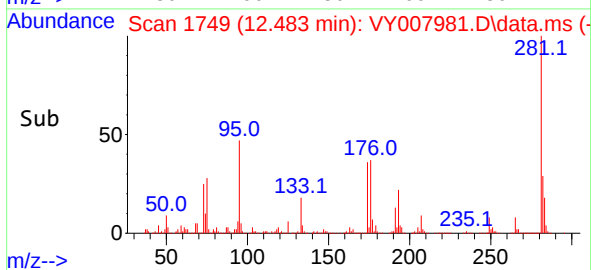
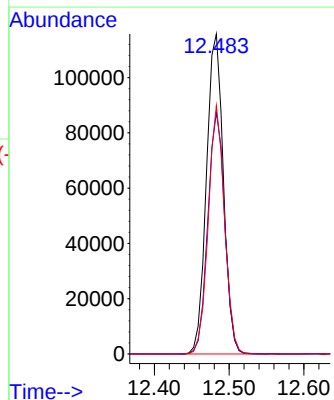
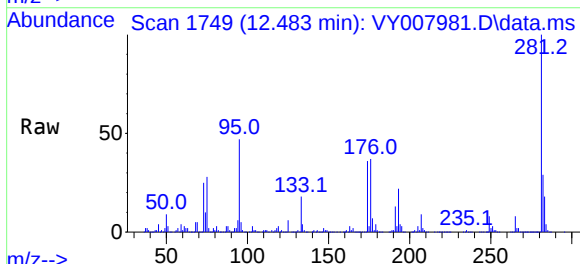
Instrument :
MSVOA_Y
ClientSampleId :
CMP-B2-031822-2-5

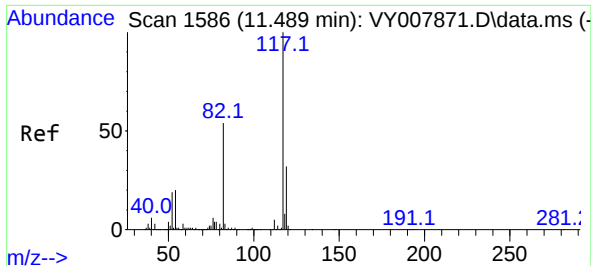
Tgt Ion: 98 Resp: 520655
Ion Ratio Lower Upper
98 100
100 65.6 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 42.632 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY007981.D
Acq: 22 Mar 2022 03:03

Tgt Ion: 95 Resp: 181764
Ion Ratio Lower Upper
95 100
174 75.2 0.0 177.0
176 74.5 0.0 175.8

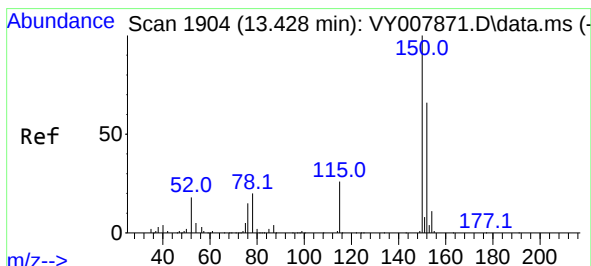
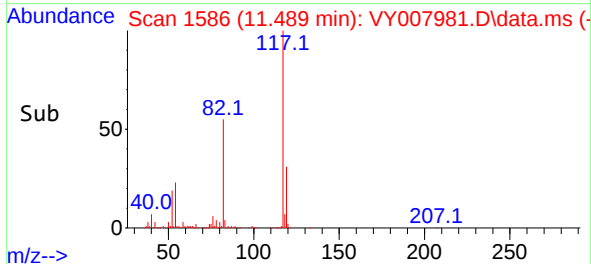
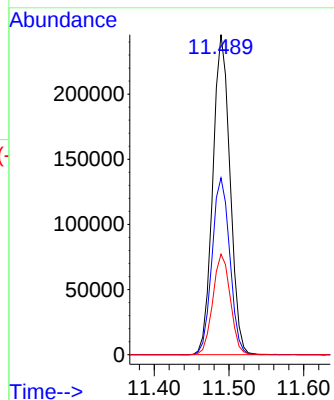
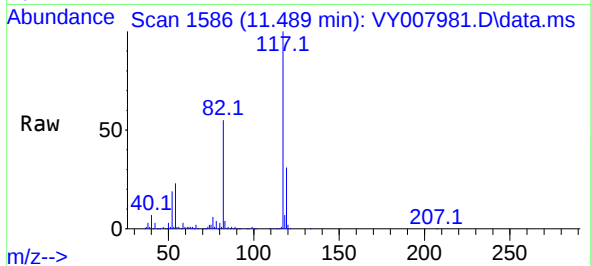




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY007981.D
Acq: 22 Mar 2022 03:03

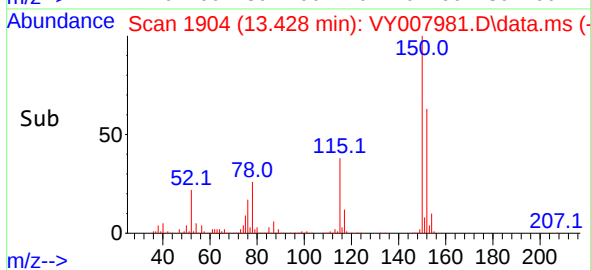
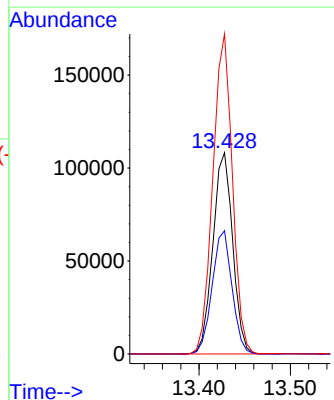
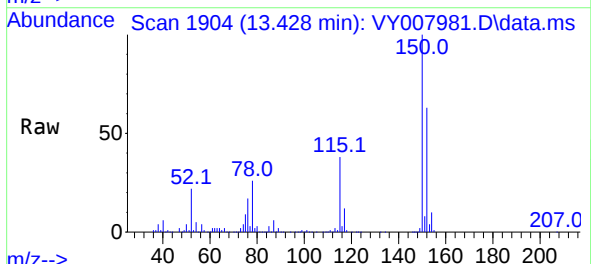
Instrument :
MSVOA_Y
ClientSampleId :
CMP-B2-031822-2-5

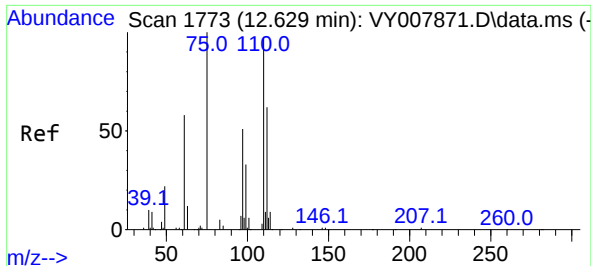
Tgt Ion:	117	Resp:	393706
Ion	Ratio	Lower	Upper
117	100		
82	55.2	43.0	64.4
119	31.4	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY007981.D
Acq: 22 Mar 2022 03:03

Tgt Ion:	152	Resp:	163052
Ion	Ratio	Lower	Upper
152	100		
115	61.4	28.2	84.7
150	156.8	0.0	347.6

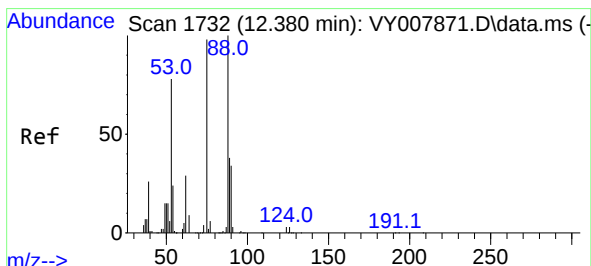
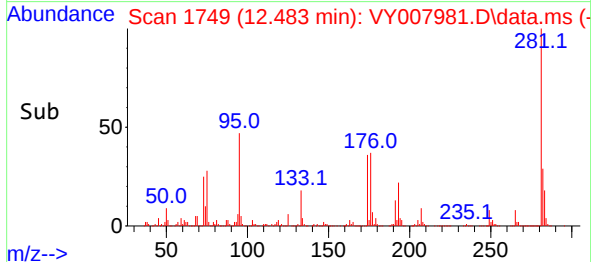
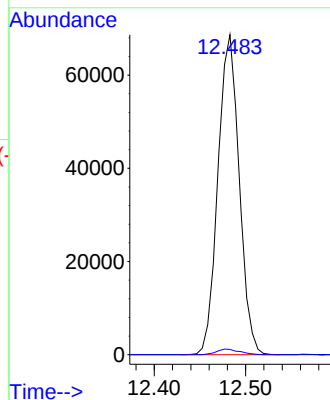
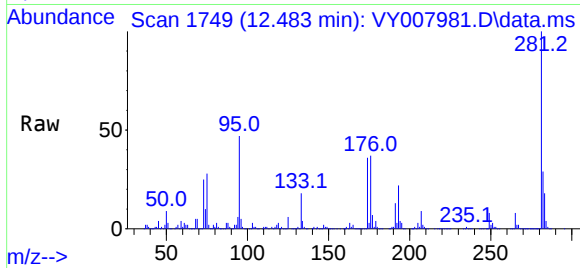




#76
1,2,3-Trichloropropane
Concen: 47.849 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY007981.D
Acq: 22 Mar 2022 03:03

Instrument :
MSVOA_Y
ClientSampleId :
CMP-B2-031822-2-5

Tgt Ion: 75 Resp: 111203
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.502 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY007981.D
Acq: 22 Mar 2022 03:03

Tgt Ion: 75 Resp: 111203
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 4.0 37.0 55.4#

