

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082522\
 Data File : VY010203.D
 Acq On : 25 Aug 2022 13:26
 Operator : KP/MD
 Sample : N4303-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DRUM-1-9

Quant Time: Aug 26 06:46:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082422S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 26 06:12:05 2022
 Response via : Initial Calibration

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

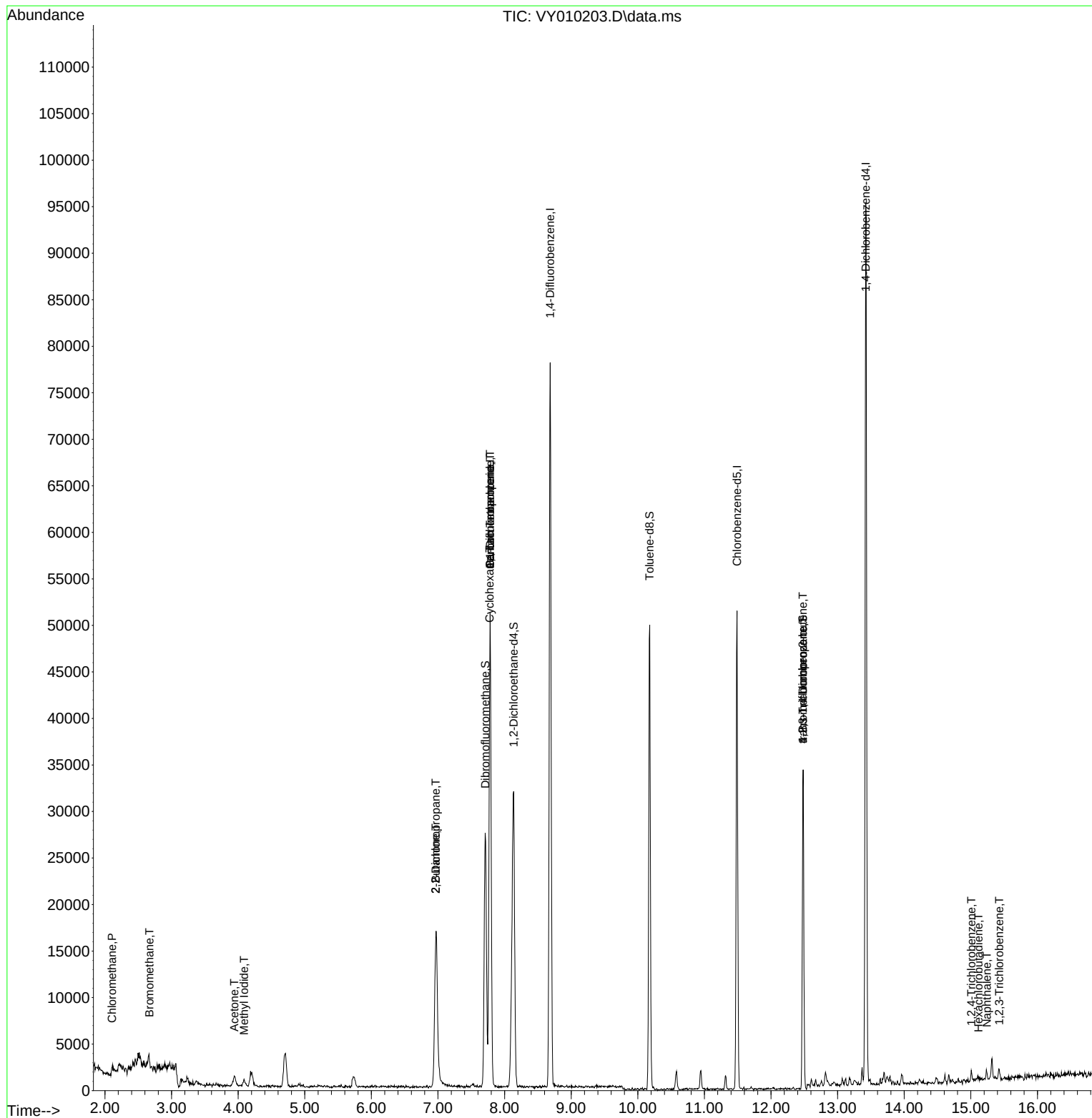
Internal Standards						
1) Pentafluorobenzene	7.783	168	39550	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	67709	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	26891	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	26095	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	20925	63.914	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	127.820%
35) Dibromofluoromethane	7.710	113	20327	45.788	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.580%
50) Toluene-d8	10.179	98	33713	21.883	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	43.760%#
62) 4-Bromofluorobenzene	12.477	95	9328	15.805	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	31.600%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	127	Below Cal	#	52
3) Chloromethane	2.107	50	464	1.390	ug/l	96
5) Bromomethane	2.668	94	491	1.674	ug/l	98
10) Methyl Iodide	4.088	142	1100	2.430	ug/l #	79
11) Tert butyl alcohol	4.930	59	230	Below Cal	#	77
16) Acetone	3.942	43	1900	17.694	ug/l	98
20) Methylene Chloride	4.698	84	2929	Below Cal	#	79
25) 2-Butanone	6.966	43	1146	6.428	ug/l #	54
26) 2,2-Dichloropropane	6.966	77	1341	1.765	ug/l #	55
31) Cyclohexane	7.777	56	819	1.215	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	3101	4.749	ug/l #	48
38) Carbon Tetrachloride	7.783	117	3726	5.388	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	4677	16.273	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	4677	34.601	ug/l #	7
93) 1,2,4-Trichlorobenzene	15.007	180	458	5.437	ug/l	89
94) Hexachlorobutadiene	15.117	225	244	1.077	ug/l #	58
95) Naphthalene	15.239	128	1038	6.834	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.428	180	420	5.515	ug/l	92

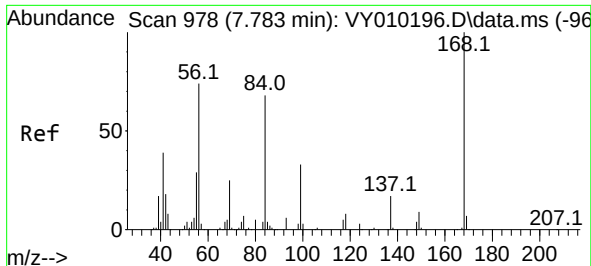
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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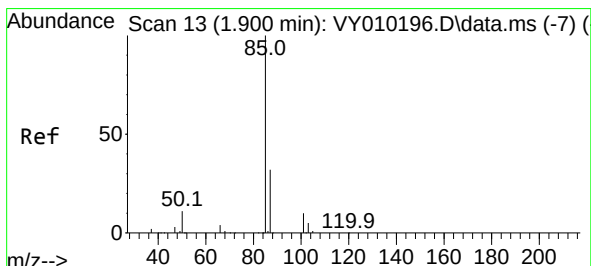
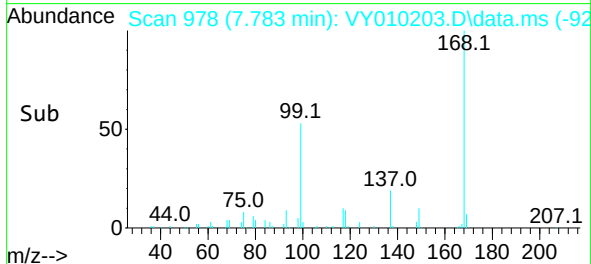
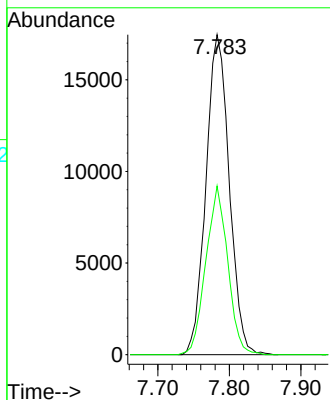
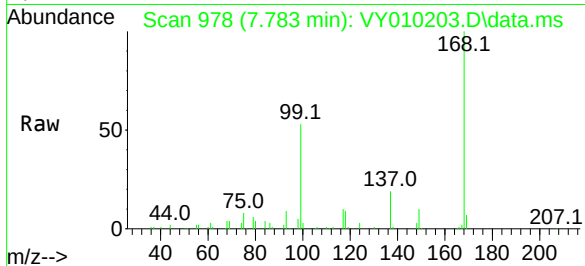




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010203.D
Acq: 25 Aug 2022 13:26

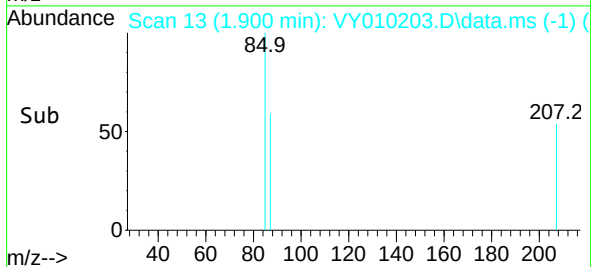
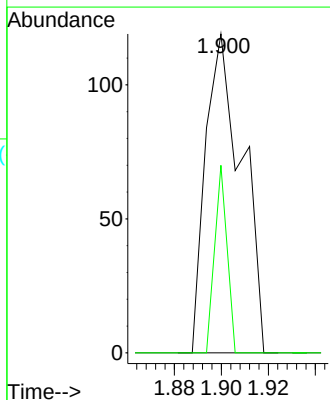
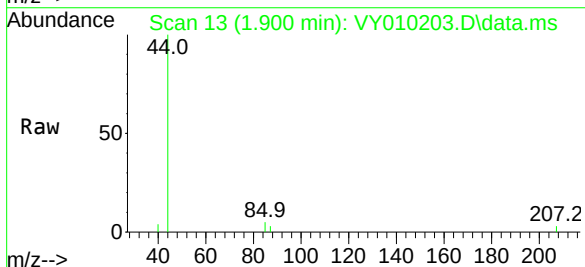
Instrument :
MSVOA_Y
ClientSampleId :
DRUM-1-9

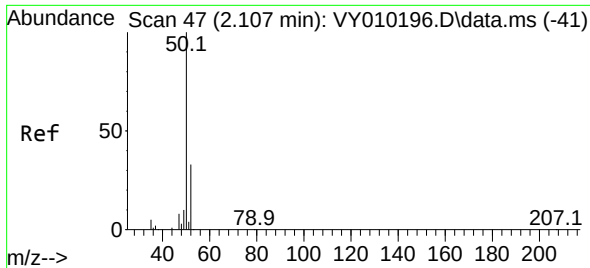
Tgt Ion:168 Resp: 39550
Ion Ratio Lower Upper
168 100
99 52.7 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010203.D
Acq: 25 Aug 2022 13:26

Tgt Ion: 85 Resp: 127
Ion Ratio Lower Upper
85 100
87 58.8 16.1 48.2#

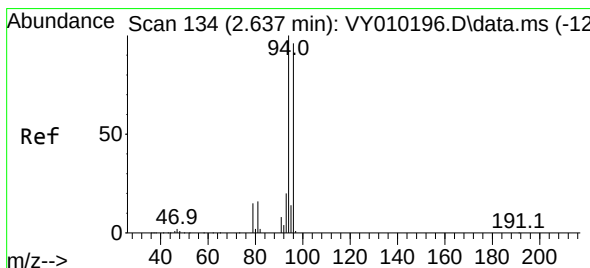
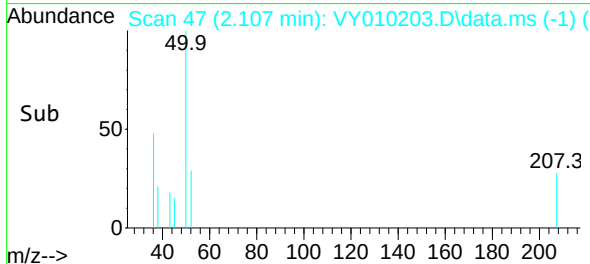
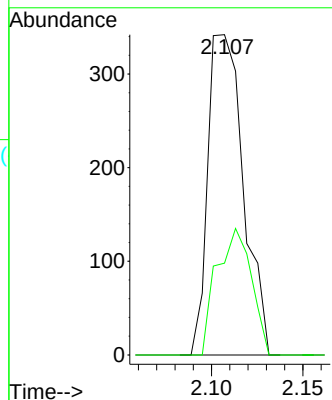
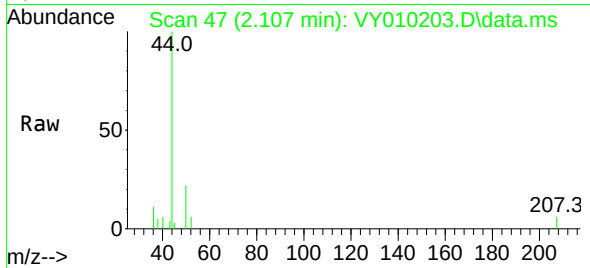




#3
Chloromethane
Concen: 1.390 ug/l
RT: 2.107 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010203.D
Acq: 25 Aug 2022 13:26

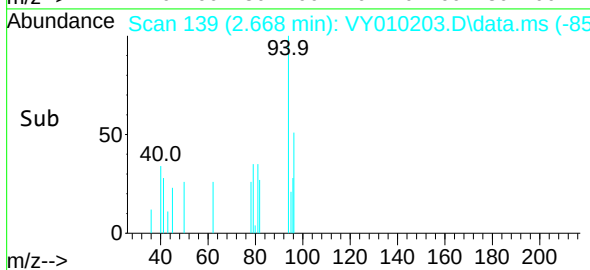
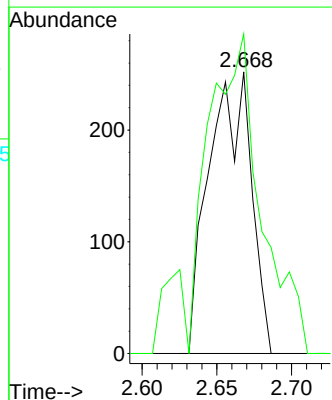
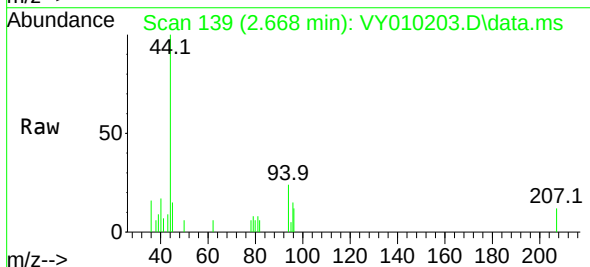
Instrument :
MSVOA_Y
ClientSampleId :
DRUM-1-9

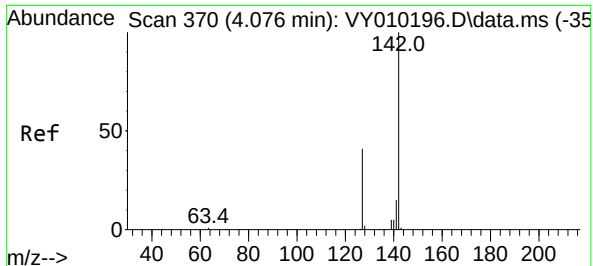
Tgt Ion: 50 Resp: 464
Ion Ratio Lower Upper
50 100
52 28.7 24.6 37.0



#5
Bromomethane
Concen: 1.674 ug/l
RT: 2.668 min Scan# 139
Delta R.T. 0.031 min
Lab File: VY010203.D
Acq: 25 Aug 2022 13:26

Tgt Ion: 94 Resp: 491
Ion Ratio Lower Upper
94 100
96 90.1 73.5 110.3

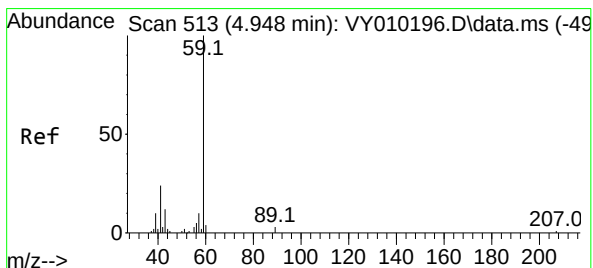
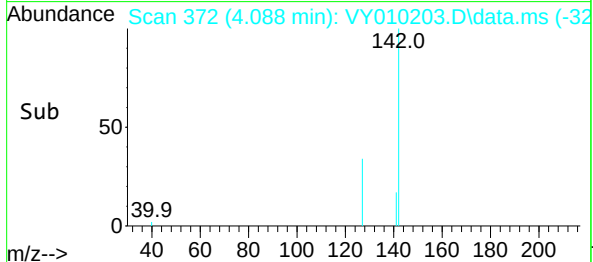
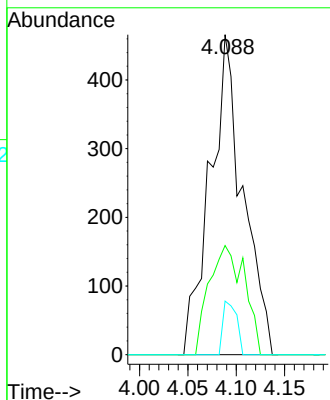
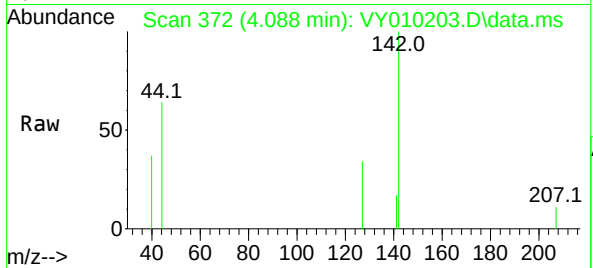




#10
Methyl Iodide
Concen: 2.430 ug/l
RT: 4.088 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY010203.D
Acq: 25 Aug 2022 13:26

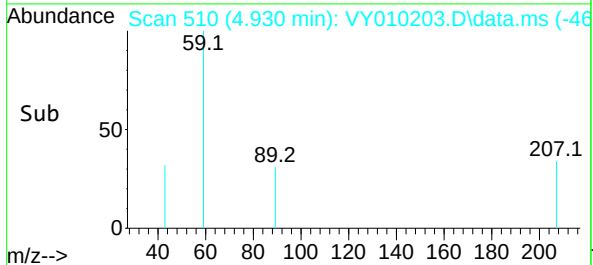
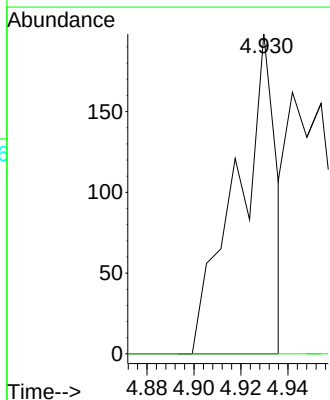
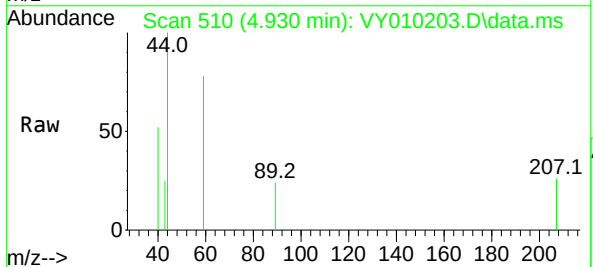
Instrument :
MSVOA_Y
ClientSampleId :
DRUM-1-9

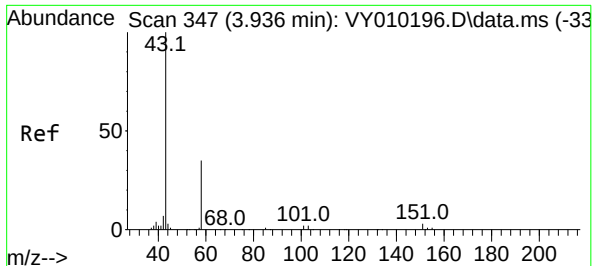
Tgt Ion:142 Resp: 1100
Ion Ratio Lower Upper
142 100
127 36.7 41.5 62.3#
141 6.9 11.9 17.9#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY010203.D
Acq: 25 Aug 2022 13:26

Tgt Ion: 59 Resp: 230
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

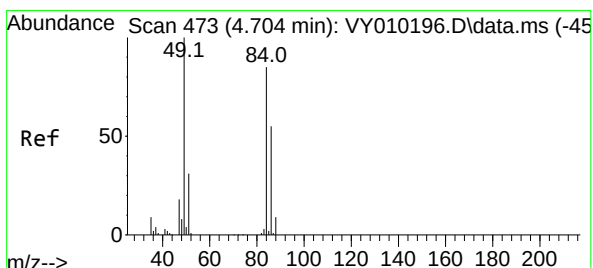
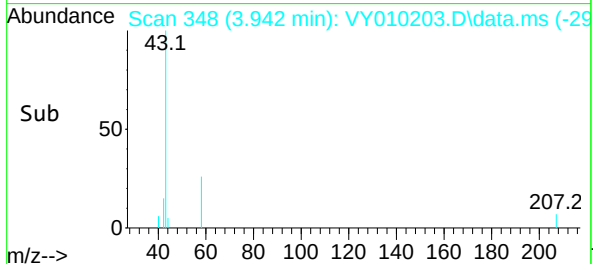
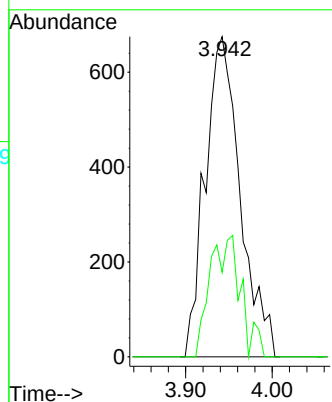
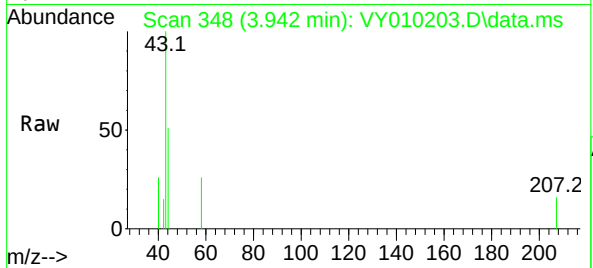




#16
Acetone
Concen: 17.694 ug/l
RT: 3.942 min Scan# 347
Delta R.T. 0.006 min
Lab File: VY010203.D
Acq: 25 Aug 2022 13:26

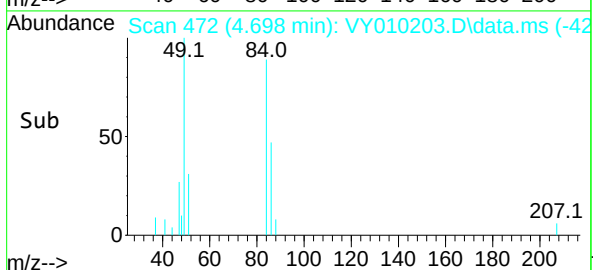
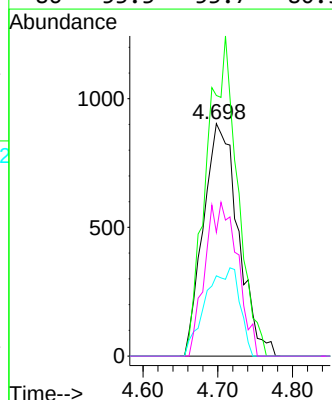
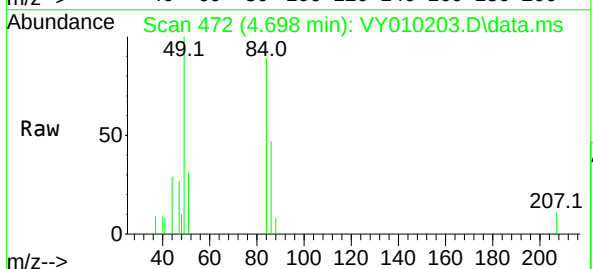
Instrument :
MSVOA_Y
ClientSampleId :
DRUM-1-9

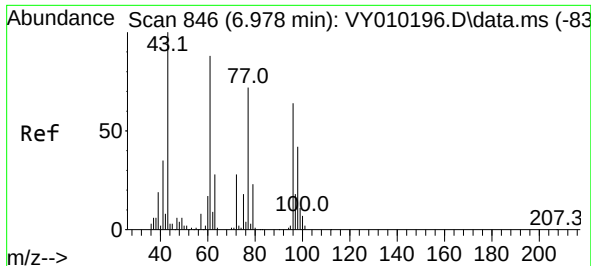
Tgt Ion: 43 Resp: 1900
Ion Ratio Lower Upper
43 100
58 26.4 22.0 33.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.698 min Scan# 472
Delta R.T. -0.006 min
Lab File: VY010203.D
Acq: 25 Aug 2022 13:26

Tgt Ion: 84 Resp: 2929
Ion Ratio Lower Upper
84 100
49 112.2 114.4 171.6#
51 34.6 35.3 52.9#
86 53.3 53.7 80.5#

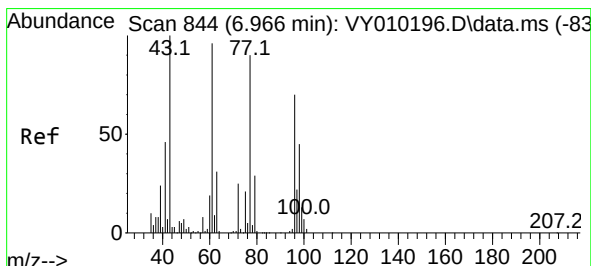
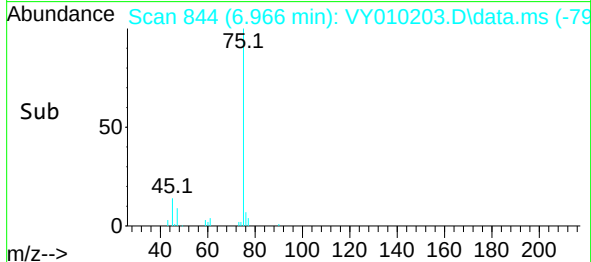
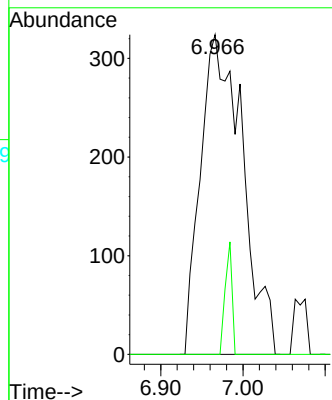
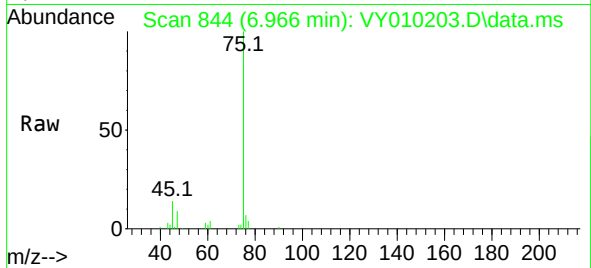




#25
2-Butanone
Concen: 6.428 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.012 min
Lab File: VY010203.D
Acq: 25 Aug 2022 13:26

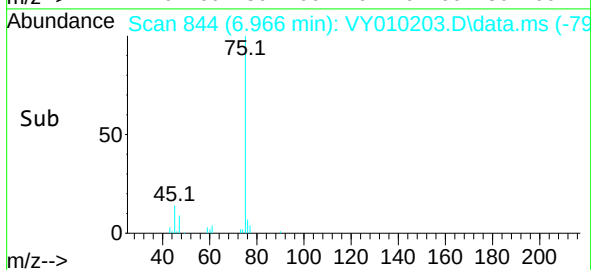
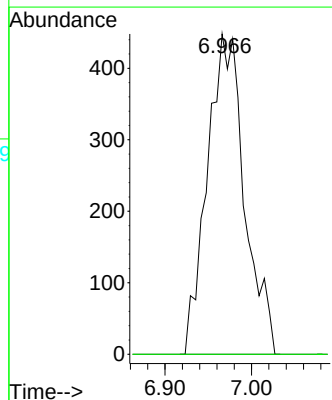
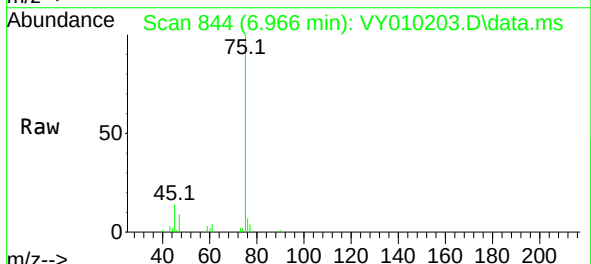
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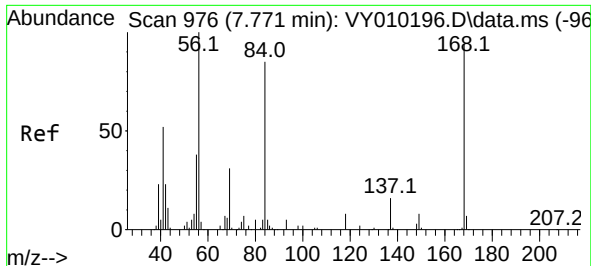
Tgt Ion: 43 Resp: 1146
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#26
2,2-Dichloropropane
Concen: 1.765 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.000 min
Lab File: VY010203.D
Acq: 25 Aug 2022 13:26

Tgt Ion: 77 Resp: 1341
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#

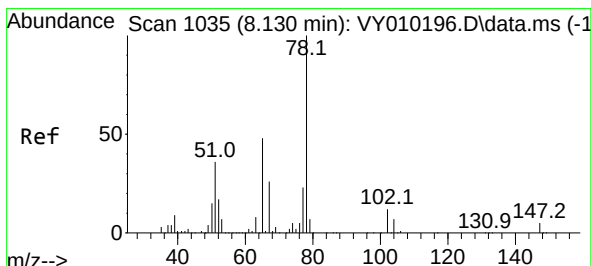
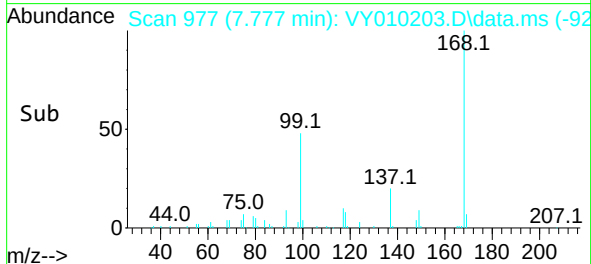
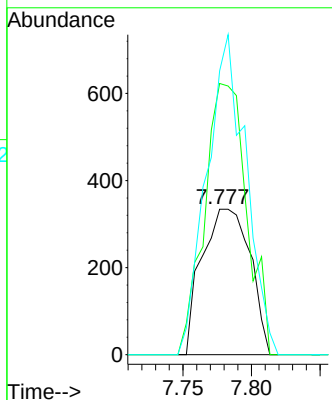
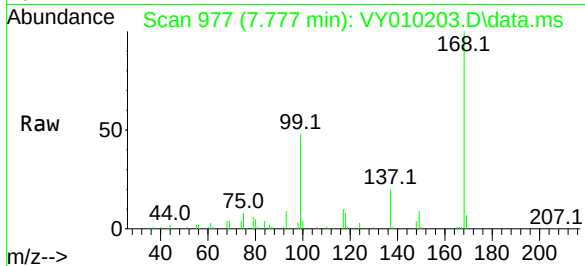




#31
Cyclohexane
Concen: 1.215 ug/l
RT: 7.777 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010203.D
Acq: 25 Aug 2022 13:26

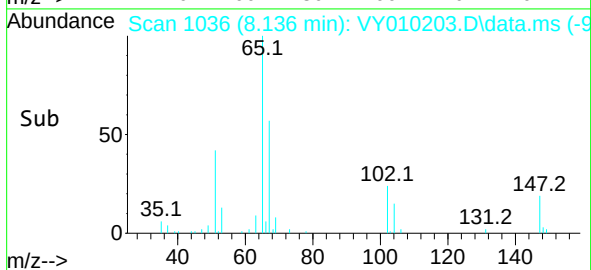
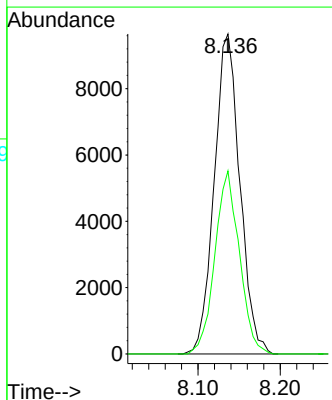
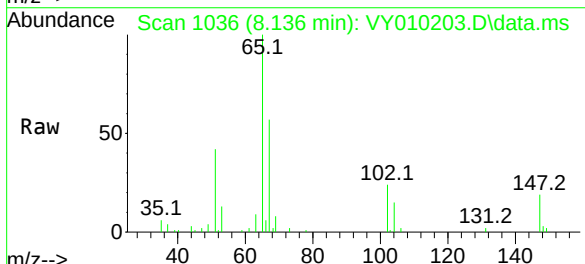
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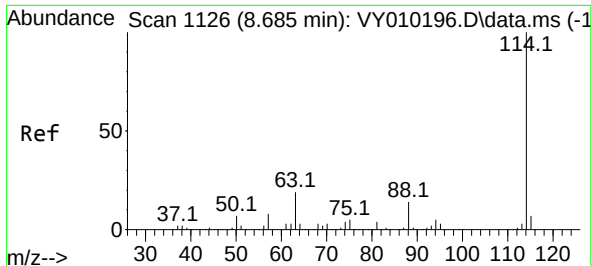
Tgt Ion: 56 Resp: 819
Ion Ratio Lower Upper
56 100
69 186.5 26.7 40.1#
84 195.2 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 63.914 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VY010203.D
Acq: 25 Aug 2022 13:26

Tgt Ion: 65 Resp: 20925
Ion Ratio Lower Upper
65 100
67 54.7 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: VY010203.D

Acq: 25 Aug 2022 13:26

Instrument :

MSVOA_Y

ClientSampleId :

DRUM-1-9

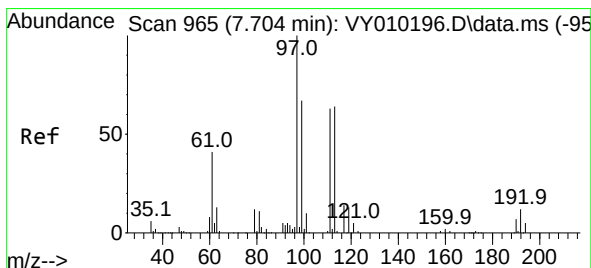
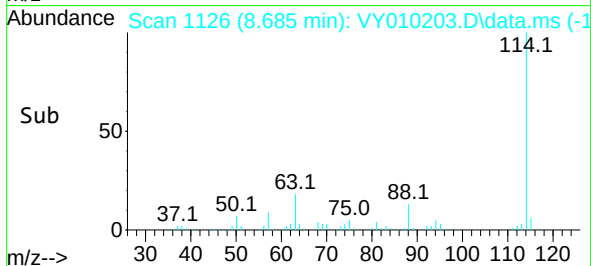
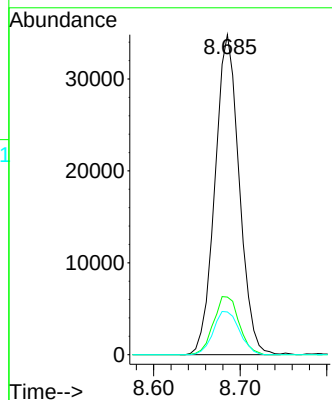
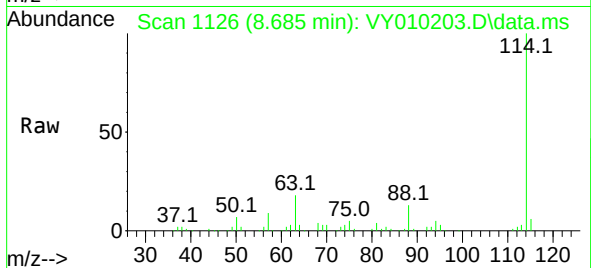
Tgt Ion:114 Resp: 67709

Ion Ratio Lower Upper

114 100

63 18.0 0.0 43.2

88 13.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 45.788 ug/l

RT: 7.710 min Scan# 966

Delta R.T. 0.006 min

Lab File: VY010203.D

Acq: 25 Aug 2022 13:26

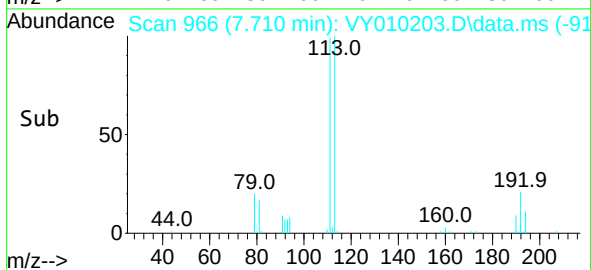
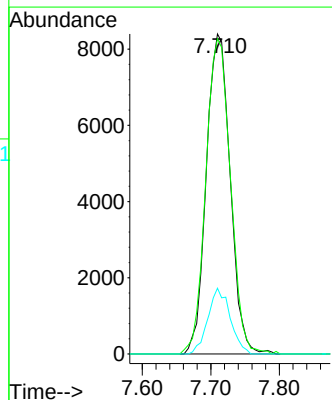
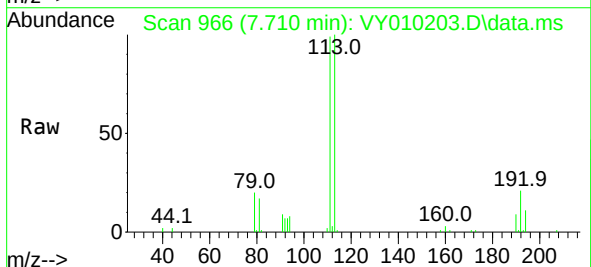
Tgt Ion:113 Resp: 20327

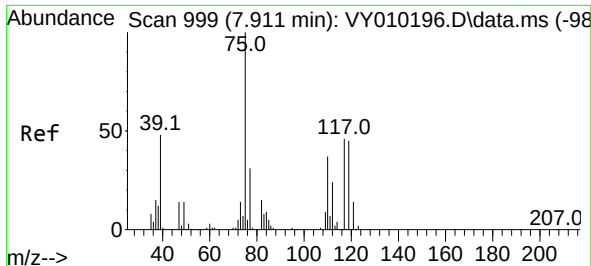
Ion Ratio Lower Upper

113 100

111 101.6 82.6 124.0

192 19.2 17.6 26.4

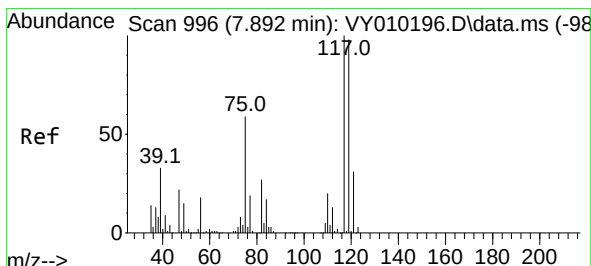
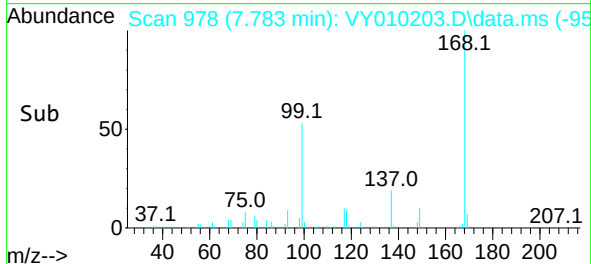
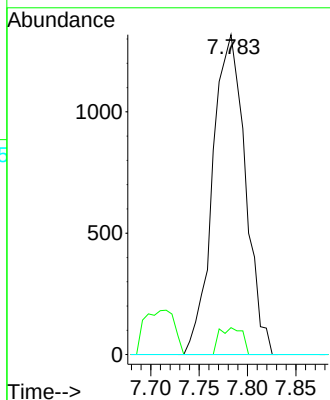
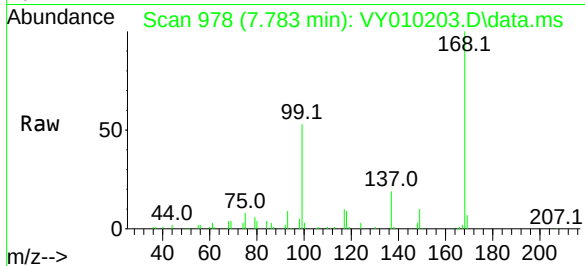




#36
 1,1-Dichloropropene
 Concen: 4.749 ug/l
 RT: 7.783 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY010203.D
 Acq: 25 Aug 2022 13:26

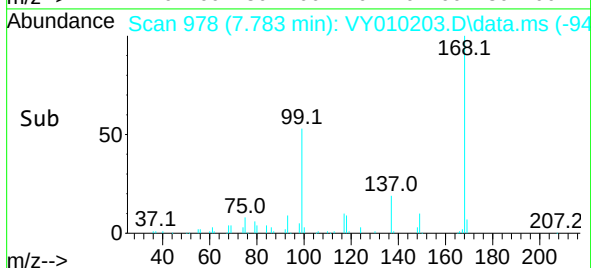
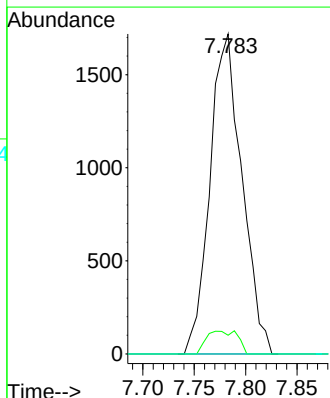
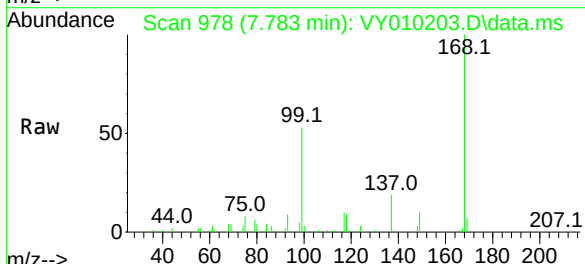
Instrument :
 MSVOA_Y
 ClientSampleId :
 DRUM-1-9

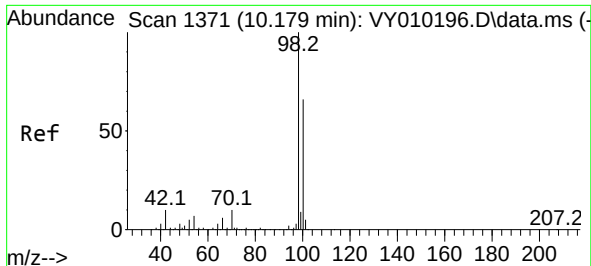
Tgt Ion: 75 Resp: 3101
 Ion Ratio Lower Upper
 75 100
 110 5.9 17.1 51.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.388 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.109 min
 Lab File: VY010203.D
 Acq: 25 Aug 2022 13:26

Tgt Ion: 117 Resp: 3726
 Ion Ratio Lower Upper
 117 100
 119 5.8 77.9 116.9#
 121 0.0 24.8 37.2#

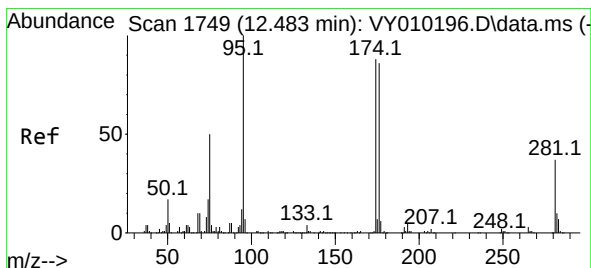
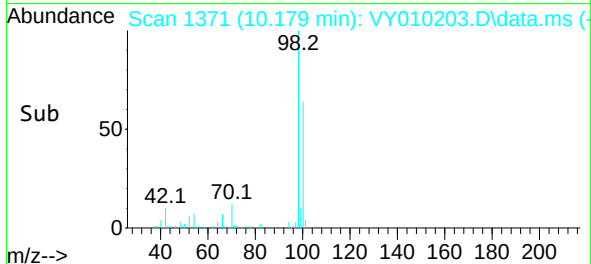
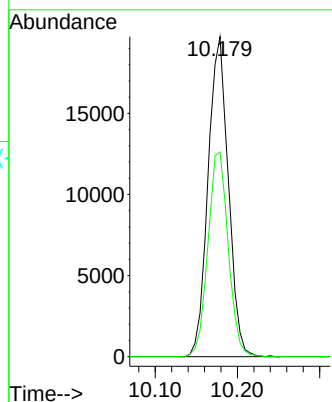
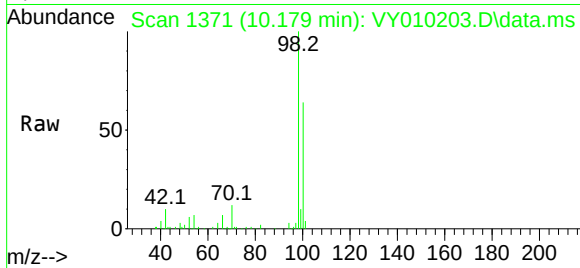




#50
Toluene-d8
Concen: 21.883 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010203.D
Acq: 25 Aug 2022 13:26

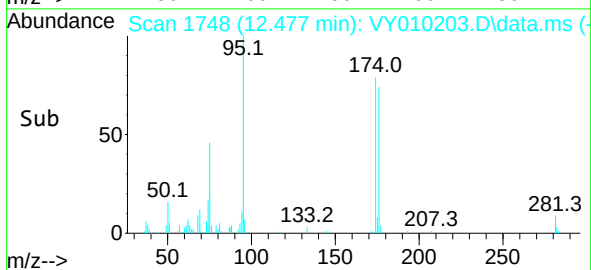
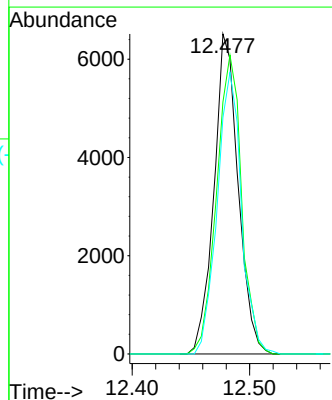
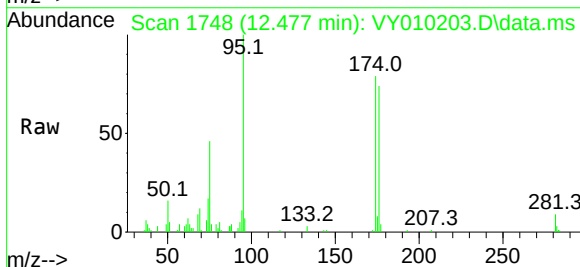
Instrument :
MSVOA_Y
ClientSampleId :
DRUM-1-9

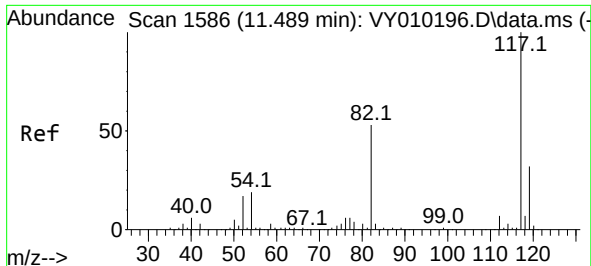
Tgt Ion: 98 Resp: 33713
Ion Ratio Lower Upper
98 100
100 64.2 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 15.805 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY010203.D
Acq: 25 Aug 2022 13:26

Tgt Ion: 95 Resp: 9328
Ion Ratio Lower Upper
95 100
174 96.2 0.0 177.0
176 88.2 0.0 175.8

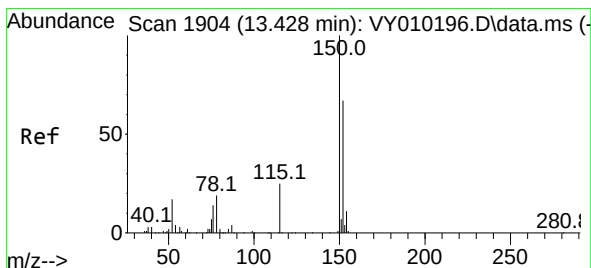
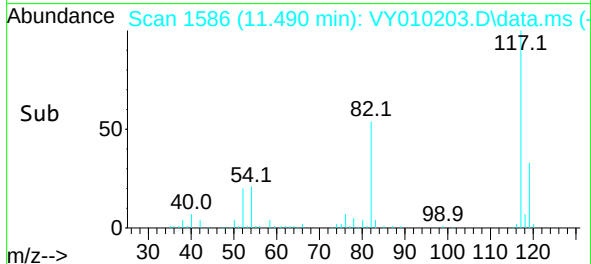
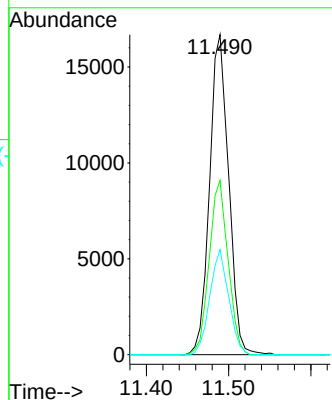
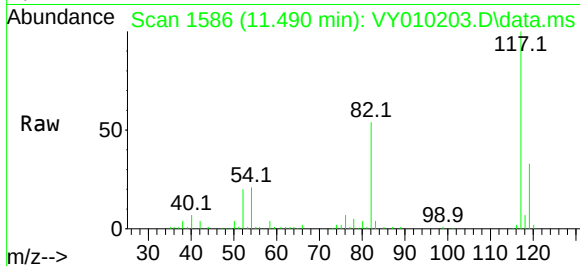




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY010203.D
Acq: 25 Aug 2022 13:26

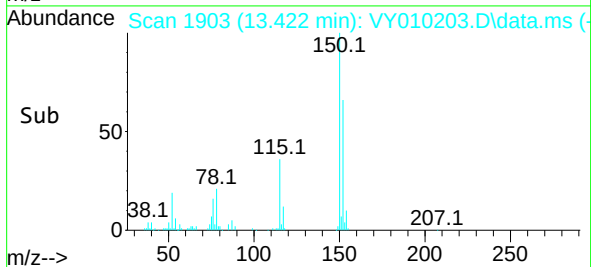
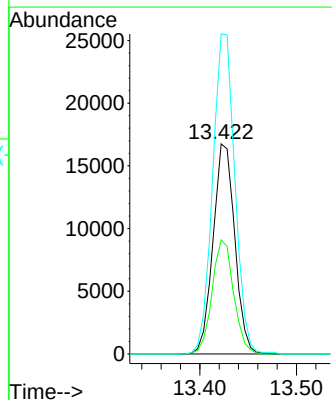
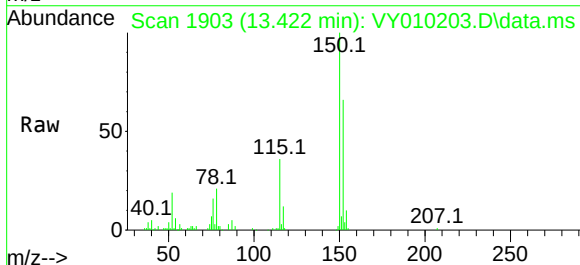
Instrument :
MSVOA_Y
ClientSampleId :
DRUM-1-9

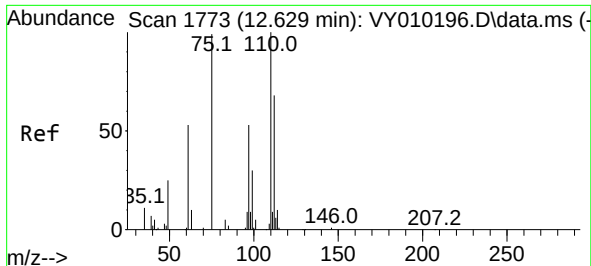
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.5	43.0	64.4
119	32.9	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY010203.D
Acq: 25 Aug 2022 13:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.0	28.2	84.7
150	156.4	0.0	347.6

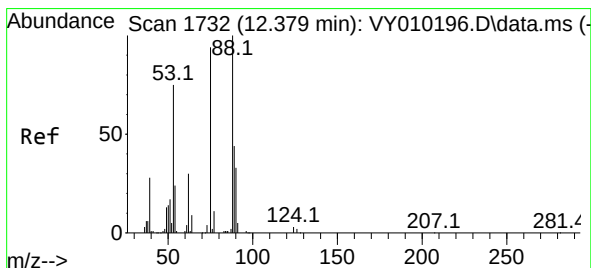
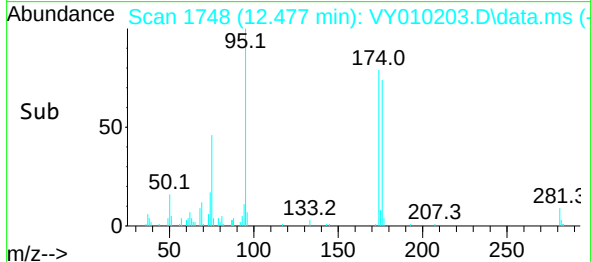
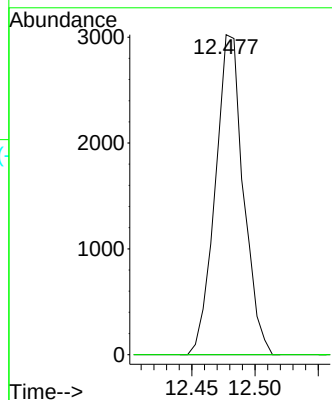
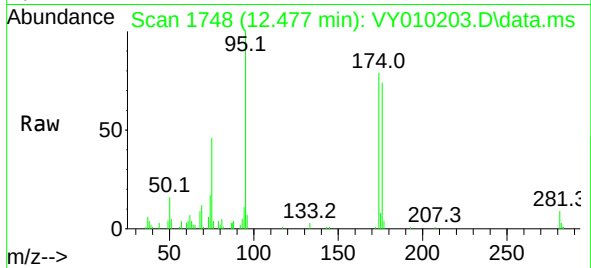




#76
1,2,3-Trichloropropane
Concen: 16.273 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010203.D
Acq: 25 Aug 2022 13:26

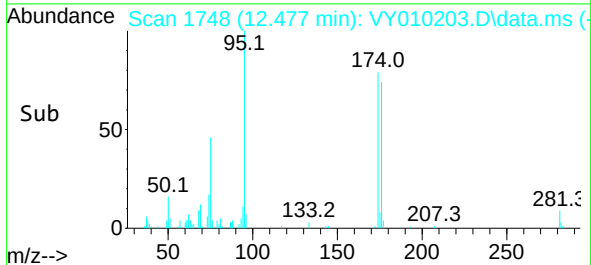
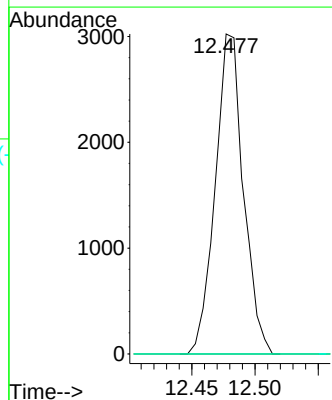
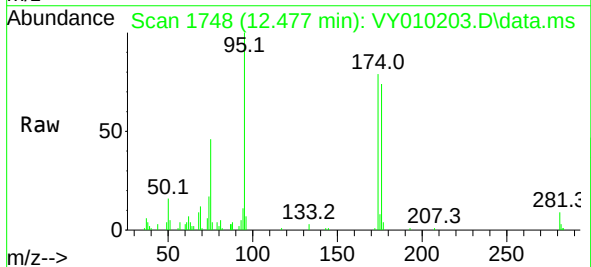
Instrument :
MSVOA_Y
ClientSampleId :
DRUM-1-9

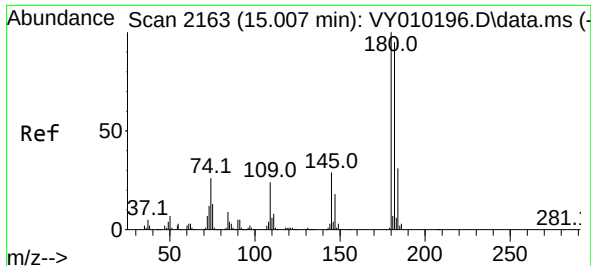
Tgt Ion: 75 Resp: 4677
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 34.601 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY010203.D
Acq: 25 Aug 2022 13:26

Tgt Ion: 75 Resp: 4677
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

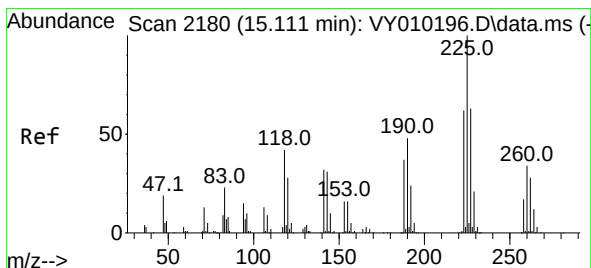
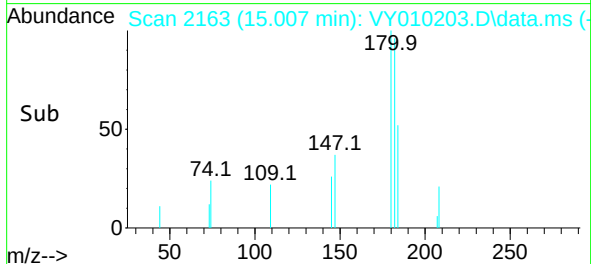
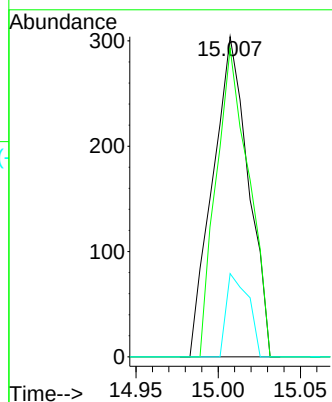
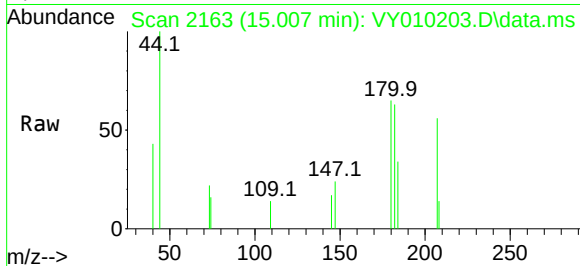




#93
1,2,4-Trichlorobenzene
Concen: 5.437 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. 0.000 min
Lab File: VY010203.D
Acq: 25 Aug 2022 13:26

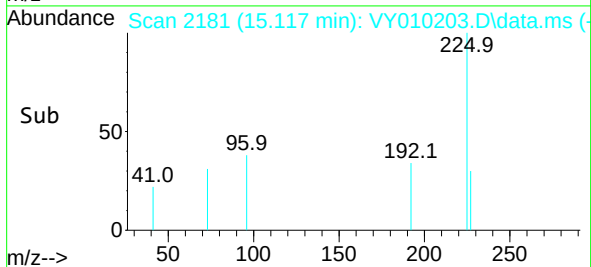
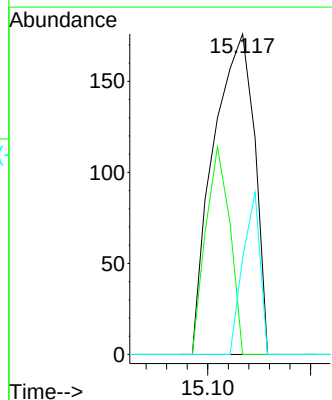
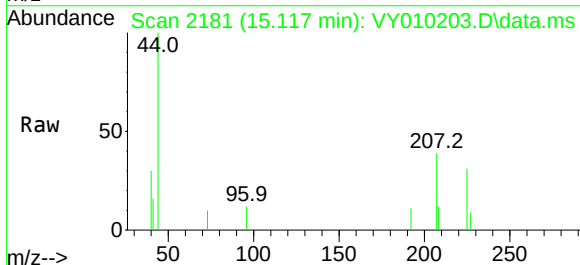
Instrument :
MSVOA_Y
ClientSampleId :
DRUM-1-9

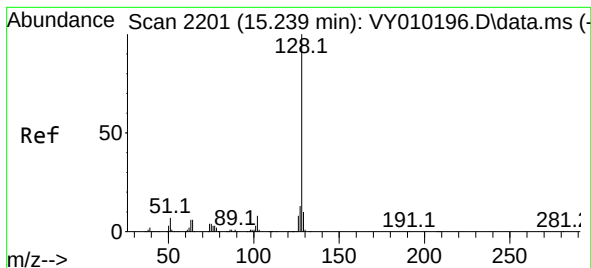
Tgt Ion:180 Resp: 458
Ion Ratio Lower Upper
180 100
182 88.0 47.3 141.9
145 16.2 14.6 43.8



#94
Hexachlorobutadiene
Concen: 1.077 ug/l
RT: 15.117 min Scan# 2181
Delta R.T. 0.006 min
Lab File: VY010203.D
Acq: 25 Aug 2022 13:26

Tgt Ion:225 Resp: 244
Ion Ratio Lower Upper
225 100
223 38.1 30.8 92.3
227 21.3 31.6 94.7#





#95

Naphthalene

Concen: 6.834 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY010203.D

Acq: 25 Aug 2022 13:26

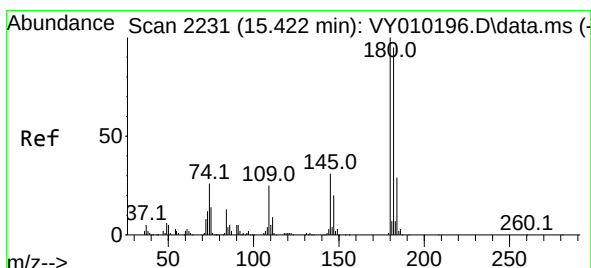
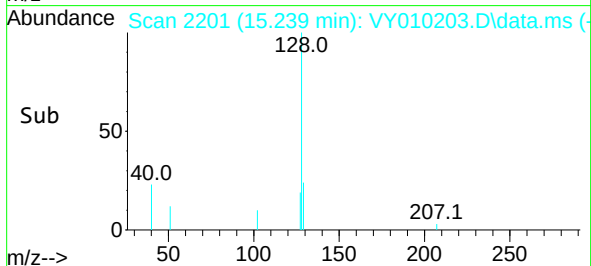
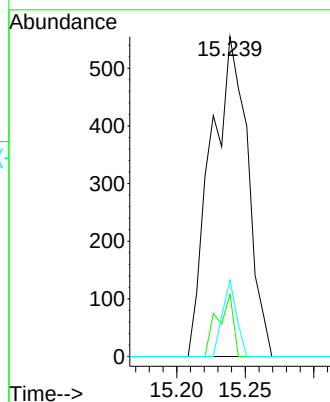
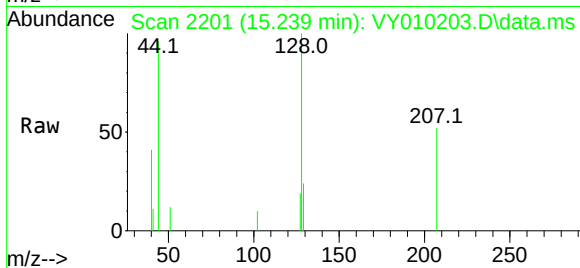
Instrument :

MSVOA_Y

ClientSampleId :

DRUM-1-9

Tgt Ion:128	Resp:	1038
Ion Ratio	Lower	Upper
128	100	
127	8.4	11.0 16.4#
129	9.1	8.4 12.6



#96

1,2,3-Trichlorobenzene

Concen: 5.515 ug/l

RT: 15.428 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY010203.D

Acq: 25 Aug 2022 13:26

Tgt Ion:180	Resp:	420
Ion Ratio	Lower	Upper
180	100	
182	100.2	47.3 141.9
145	21.9	15.3 45.9

