

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031722\
 Data File : VY007883.D
 Acq On : 17 Mar 2022 18:39
 Operator : SY/MD
 Sample : N1864-02RE
 Misc : 5.37g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MB-B2-030922-0-1

Quant Time: Mar 18 08:56:06 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)

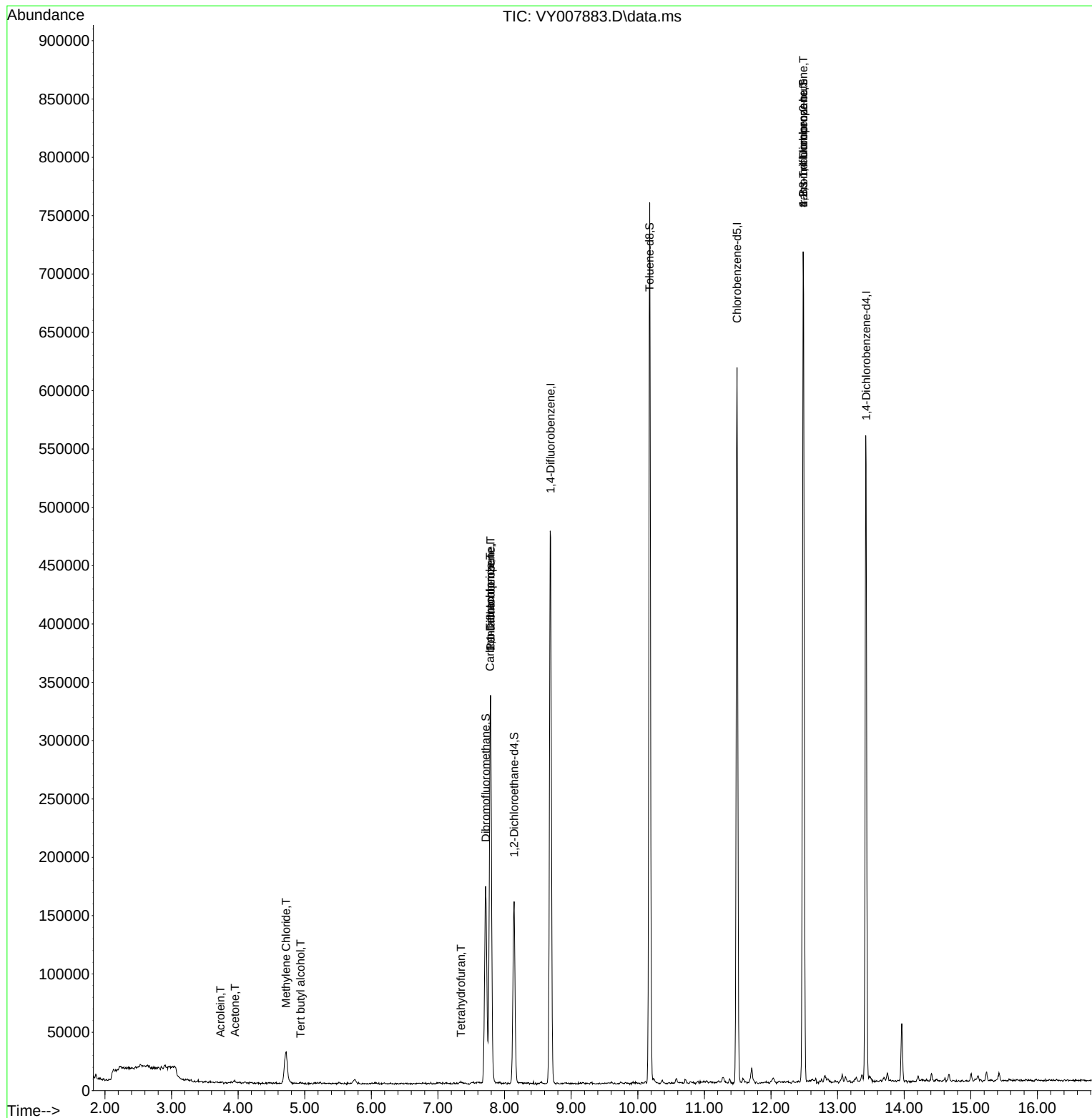
Internal Standards						
1) Pentafluorobenzene	7.789	168	262132	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	426340	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	345947	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	140655	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	115145	38.526	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	77.060%
35) Dibromofluoromethane	7.716	113	119926	40.053	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	80.100%
50) Toluene-d8	10.179	98	492666	55.103	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	110.200%
62) 4-Bromofluorobenzene	12.483	95	151932	35.356	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	70.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	220	Below Cal		76
3) Chloromethane	2.113	50	1212	Below Cal	#	86
4) Vinyl Chloride	2.247	62	234	Below Cal	#	43
5) Bromomethane	2.668	94	1145	Below Cal	#	43
11) Tert butyl alcohol	4.936	59	499	1.433 ug/l	#	1
13) Acrolein	3.735	56	211	1.006 ug/l	#	77
16) Acetone	3.954	43	4566	5.759 ug/l		93
17) Carbon Disulfide	4.180	76	546	Below Cal	#	75
18) Methyl Acetate	4.466	43	256	Below Cal	#	72
20) Methylene Chloride	4.716	84	21981	2.782 ug/l	#	77
29) Tetrahydrofuran	7.344	42	1155	1.419 ug/l	#	87
31) Cyclohexane	7.789	56	5784	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	19843	4.468 ug/l	#	51
38) Carbon Tetrachloride	7.783	117	25227	5.316 ug/l	#	15
39) Methylcyclohexane	9.173	83	364	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.483	75	79822	39.815 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	79822	83.628 ug/l	#	8

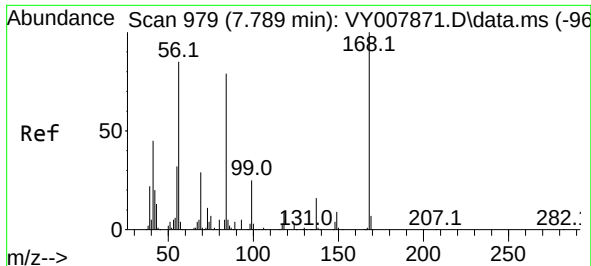
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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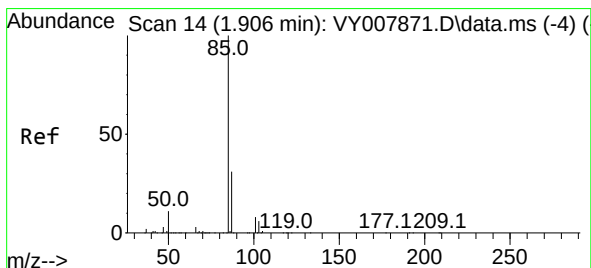
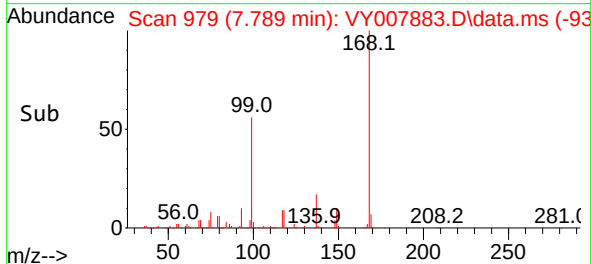
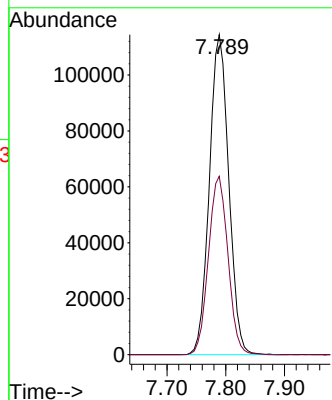
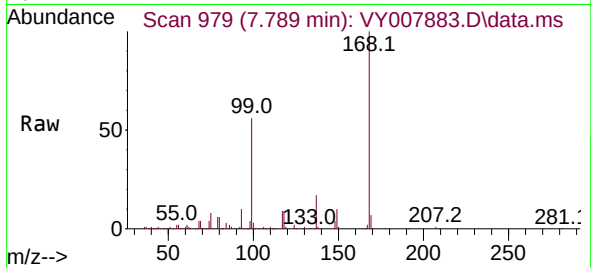




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007883.D
Acq: 17 Mar 2022 18:39

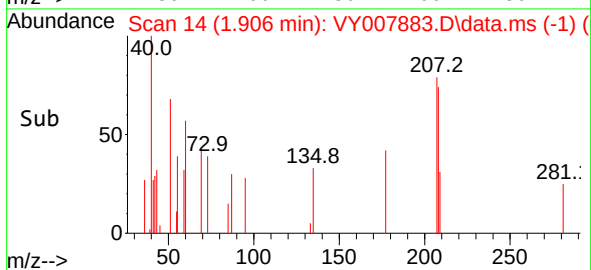
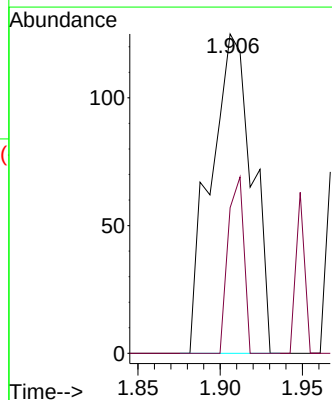
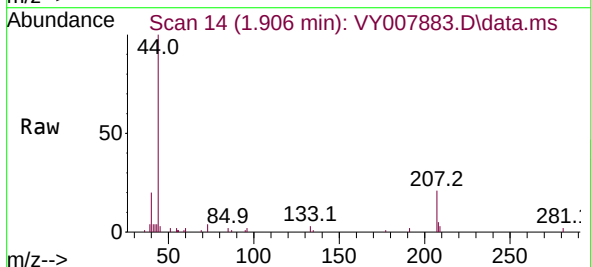
Instrument :
MSVOA_Y
ClientSampleId :
MB-B2-030922-0-1

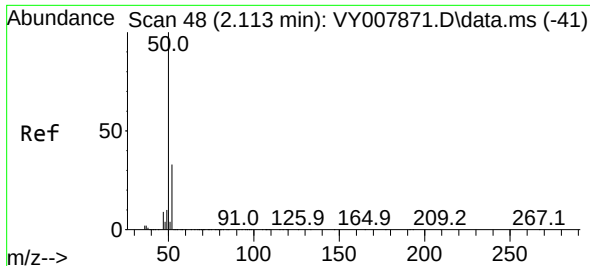
Tgt Ion:168 Resp: 262132
Ion Ratio Lower Upper
168 100
99 55.8 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY007883.D
Acq: 17 Mar 2022 18:39

Tgt Ion: 85 Resp: 220
Ion Ratio Lower Upper
85 100
87 45.6 16.1 48.2

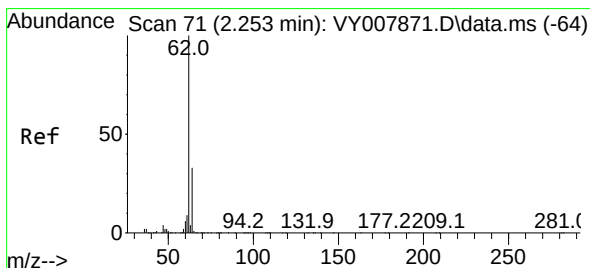
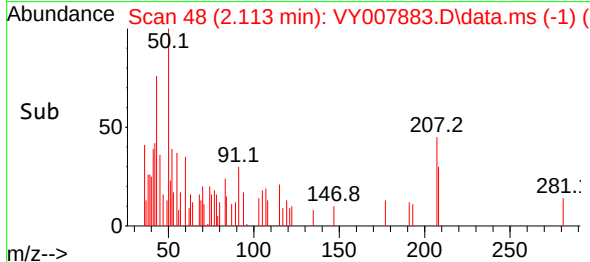
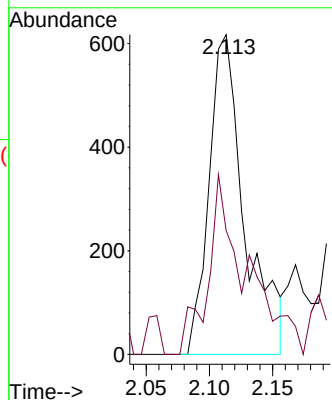
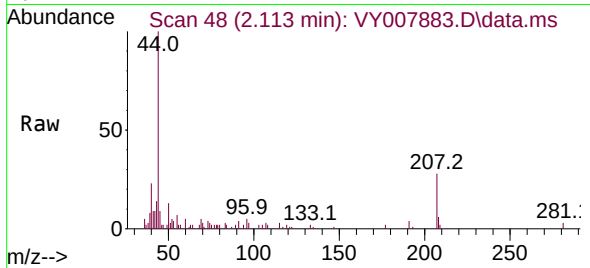




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY007883.D
Acq: 17 Mar 2022 18:39

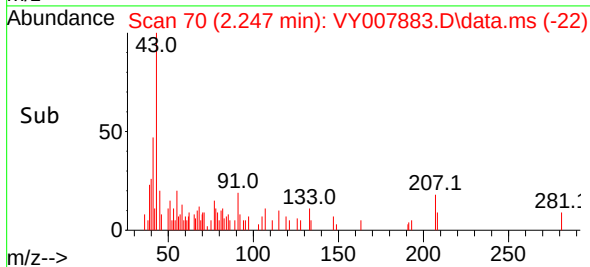
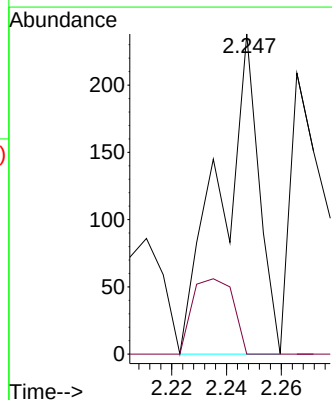
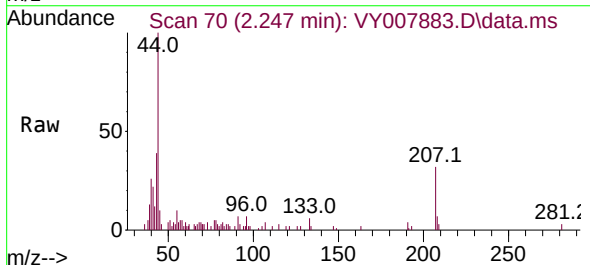
Instrument :
MSVOA_Y
ClientSampleId :
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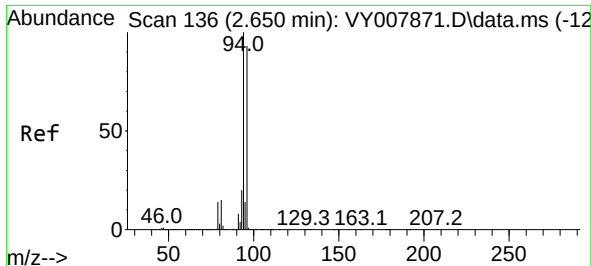
Tgt Ion: 50 Resp: 1212
Ion Ratio Lower Upper
50 100
52 38.7 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.247 min Scan# 70
Delta R.T. -0.006 min
Lab File: VY007883.D
Acq: 17 Mar 2022 18:39

Tgt Ion: 62 Resp: 234
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

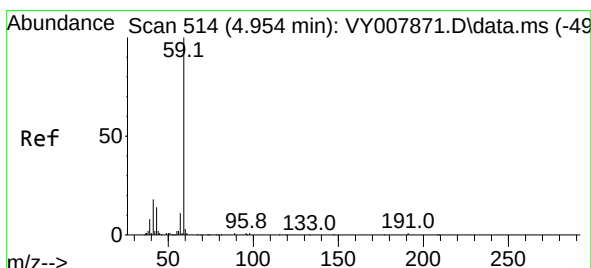
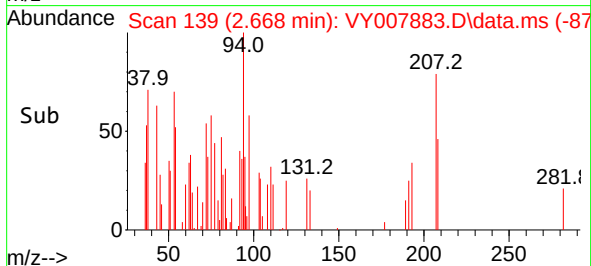
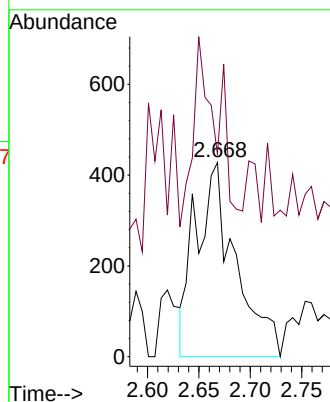
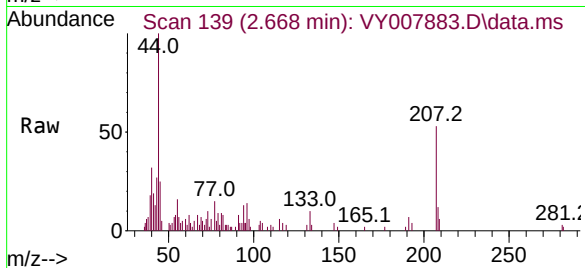




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY007883.D
Acq: 17 Mar 2022 18:39

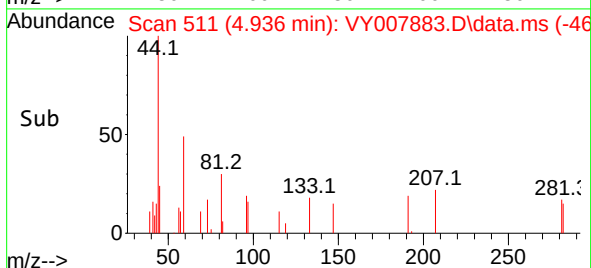
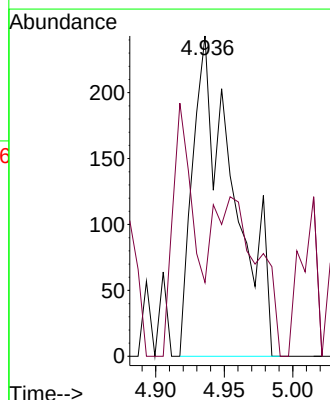
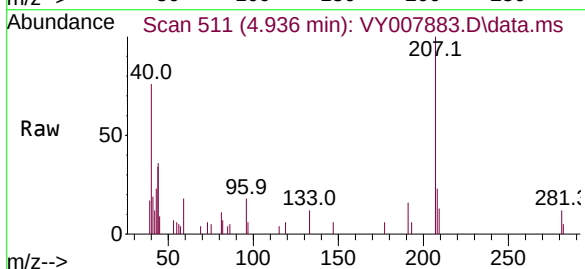
Instrument :
MSVOA_Y
ClientSampleId :
MB-B2-030922-0-1

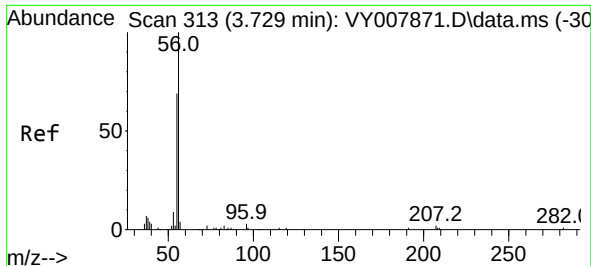
Tgt Ion: 94 Resp: 1145
Ion Ratio Lower Upper
94 100
96 37.1 73.5 110.3#



#11
Tert butyl alcohol
Concen: 1.433 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.018 min
Lab File: VY007883.D
Acq: 17 Mar 2022 18:39

Tgt Ion: 59 Resp: 499
Ion Ratio Lower Upper
59 100
57 54.9 6.4 9.6#

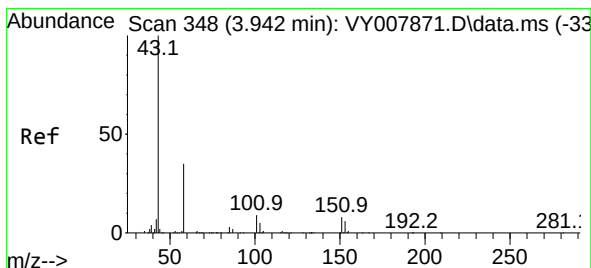
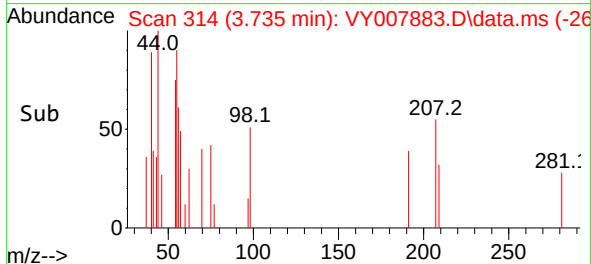
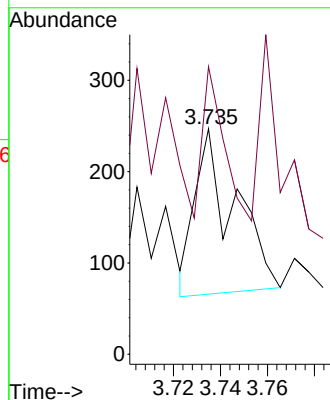
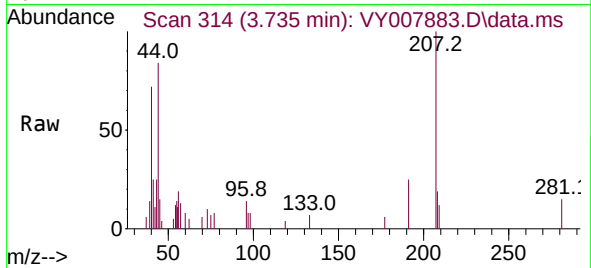




#13
Acrolein
Concen: 1.006 ug/l
RT: 3.735 min Scan# 313
Delta R.T. 0.006 min
Lab File: VY007883.D
Acq: 17 Mar 2022 18:39

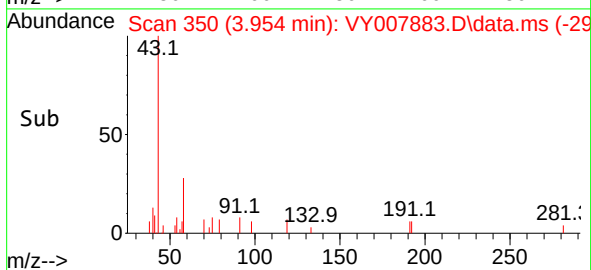
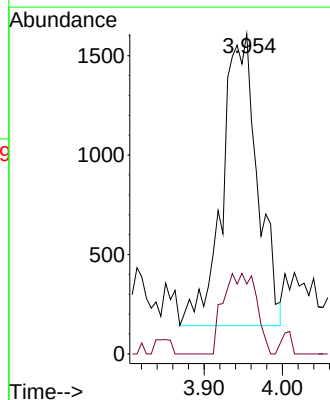
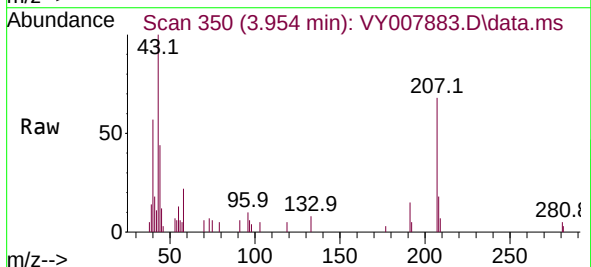
Instrument :
MSVOA_Y
ClientSampleId :
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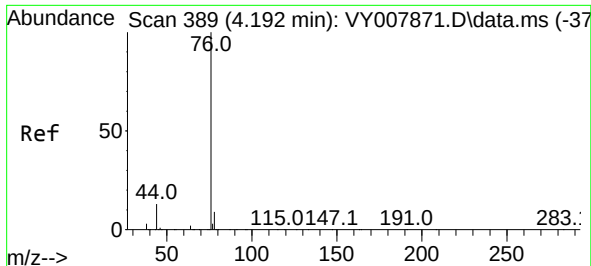
Tgt Ion: 56 Resp: 211
Ion Ratio Lower Upper
56 100
55 53.1 57.6 86.4#



#16
Acetone
Concen: 5.759 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY007883.D
Acq: 17 Mar 2022 18:39

Tgt Ion: 43 Resp: 4566
Ion Ratio Lower Upper
43 100
58 24.0 22.0 33.0

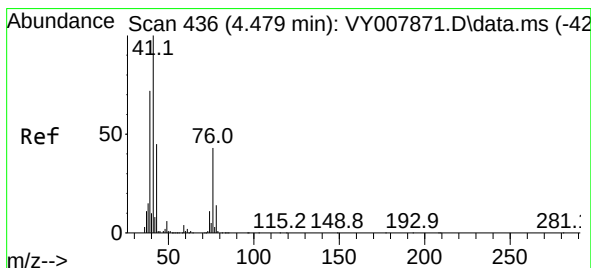
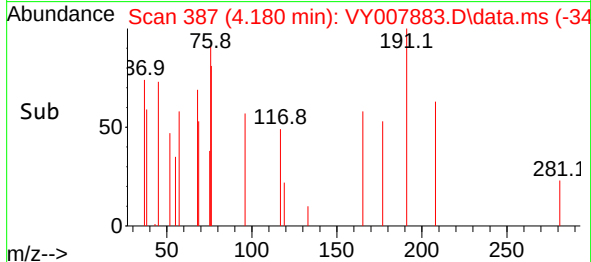
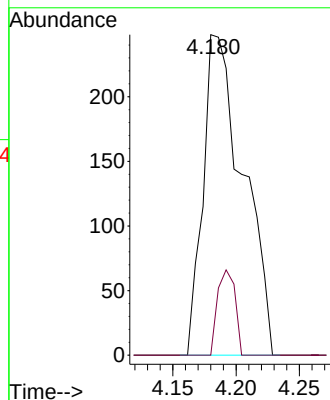
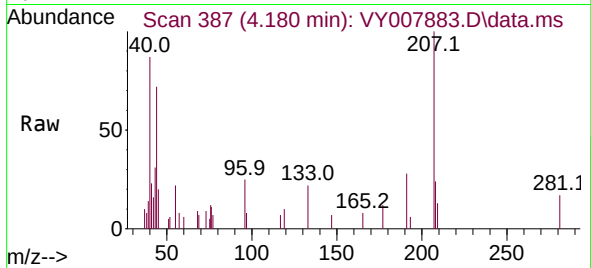




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.180 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY007883.D
Acq: 17 Mar 2022 18:39

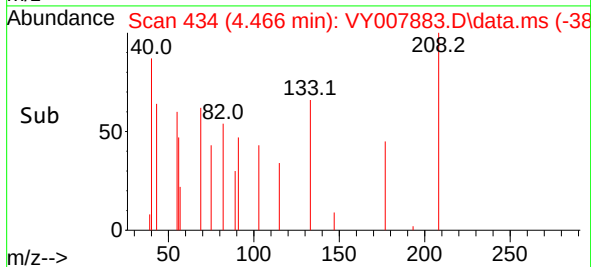
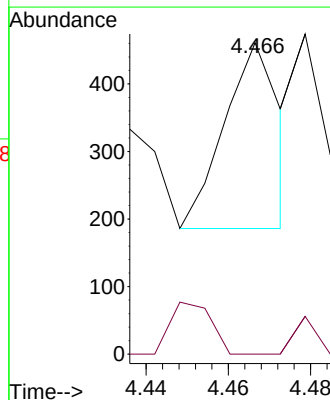
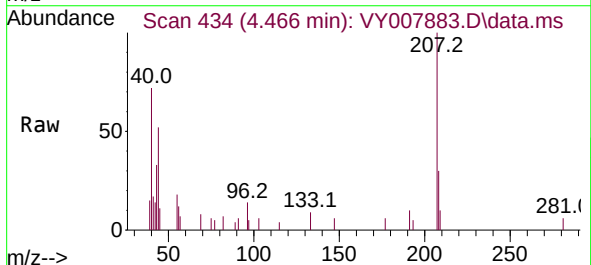
Instrument :
MSVOA_Y
ClientSampleId :
MB-B2-030922-0-1

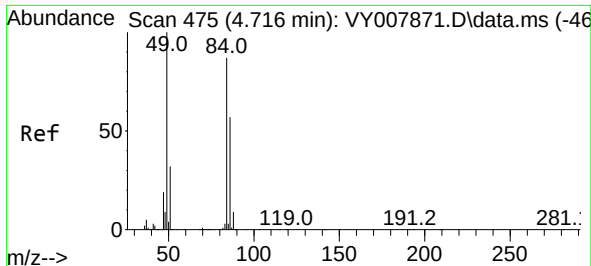
Tgt Ion: 76 Resp: 546
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.466 min Scan# 434
Delta R.T. -0.006 min
Lab File: VY007883.D
Acq: 17 Mar 2022 18:39

Tgt Ion: 43 Resp: 256
Ion Ratio Lower Upper
43 100
74 7.8 16.6 24.8#

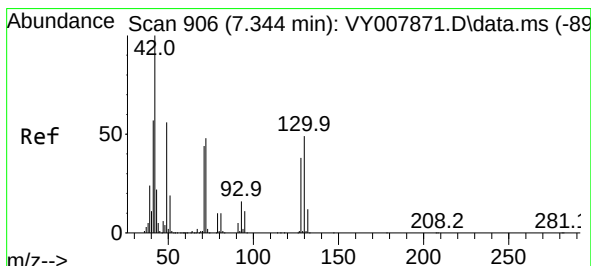
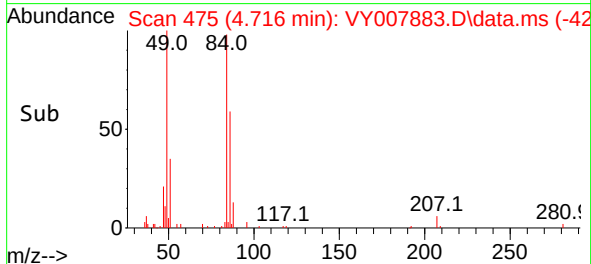
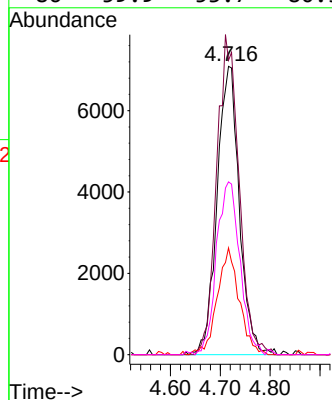
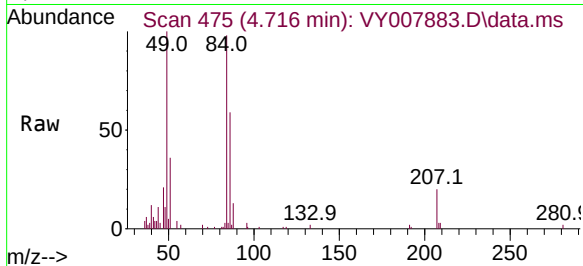




#20
Methylene Chloride
Concen: 2.782 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY007883.D
Acq: 17 Mar 2022 18:39

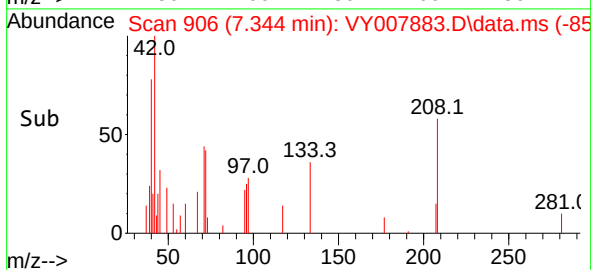
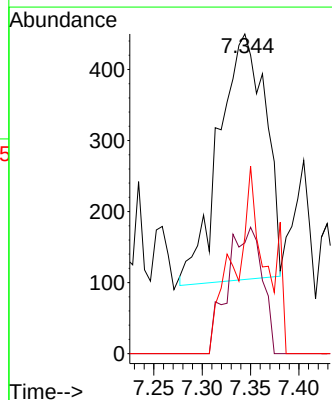
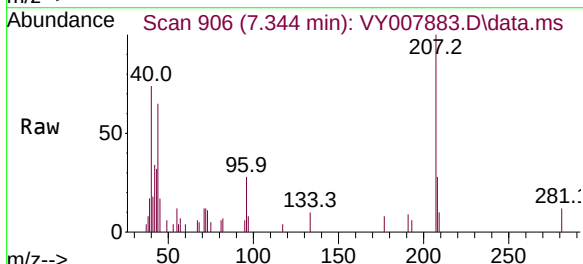
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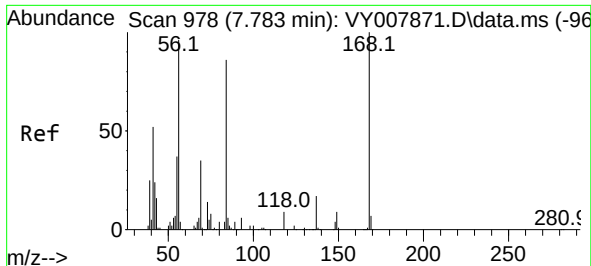
Tgt Ion:	84	Resp:	21981
Ion	Ratio	Lower	Upper
84	100		
49	102.1	114.4	171.6#
51	37.0	35.3	52.9
86	59.9	53.7	80.5



#29
Tetrahydrofuran
Concen: 1.419 ug/l
RT: 7.344 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY007883.D
Acq: 17 Mar 2022 18:39

Tgt Ion:	42	Resp:	1155
Ion	Ratio	Lower	Upper
42	100		
72	38.3	30.3	45.5
71	51.7	29.0	43.4#

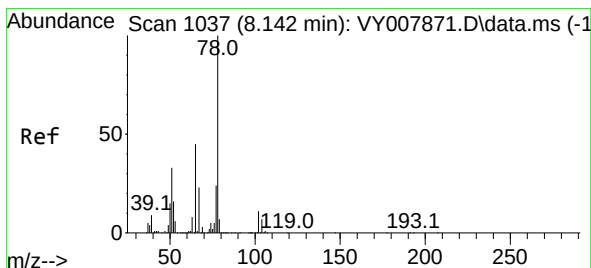
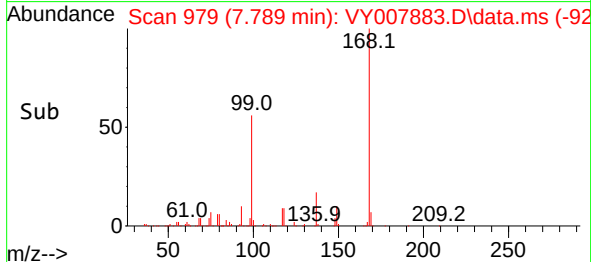
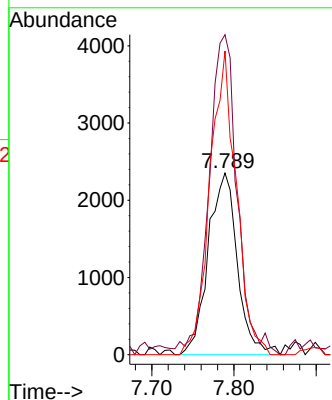
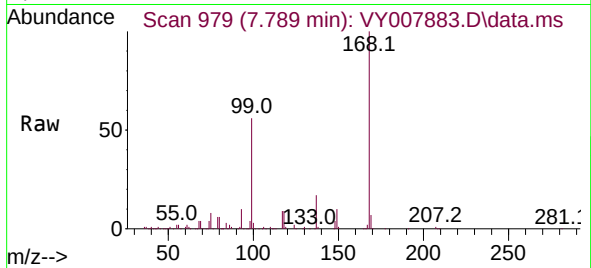




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007883.D
Acq: 17 Mar 2022 18:39

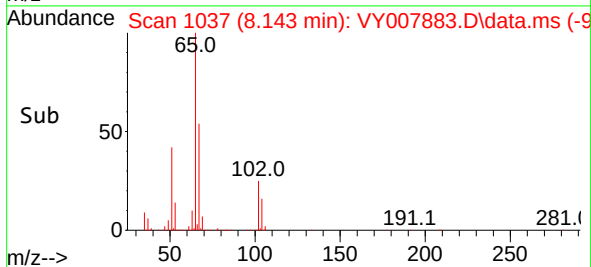
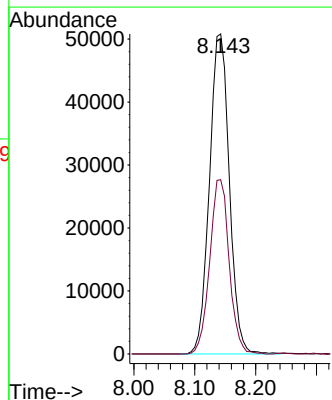
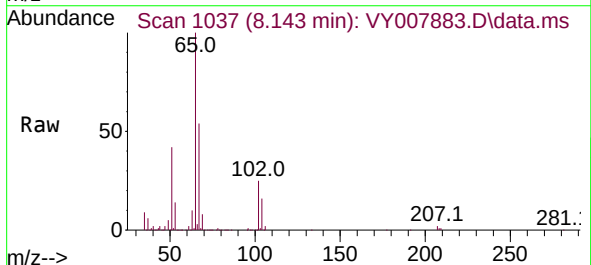
Instrument :
MSVOA_Y
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MB-B2-030922-0-1

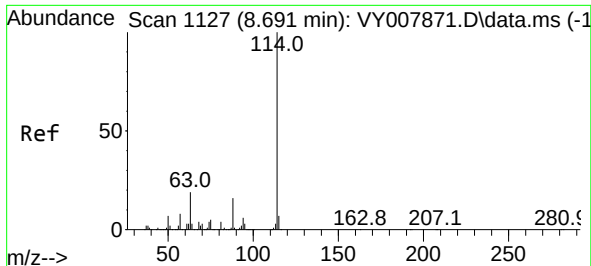
Tgt Ion: 56 Resp: 5784
Ion Ratio Lower Upper
56 100
69 176.3 26.7 40.1#
84 167.2 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 38.526 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY007883.D
Acq: 17 Mar 2022 18:39

Tgt Ion: 65 Resp: 115145
Ion Ratio Lower Upper
65 100
67 53.2 0.0 99.4

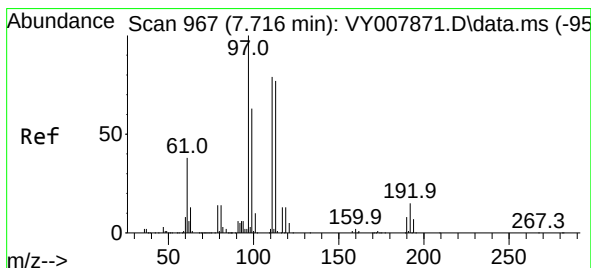
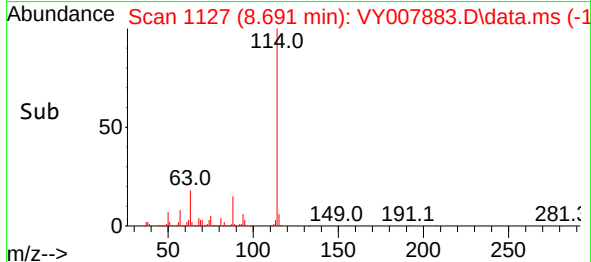
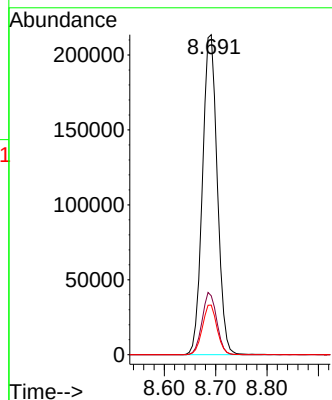
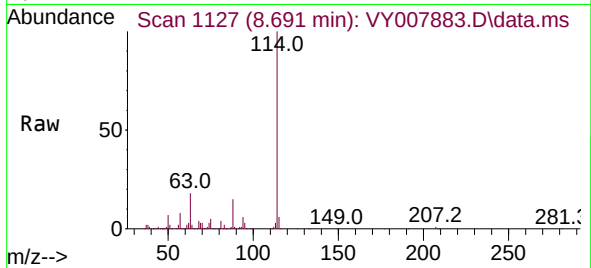




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY007883.D
Acq: 17 Mar 2022 18:39

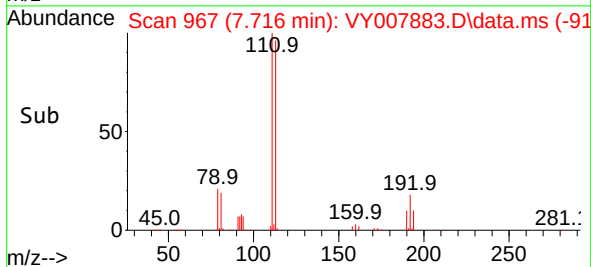
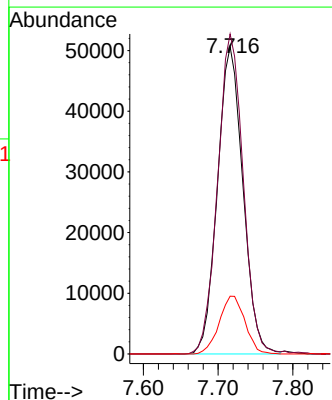
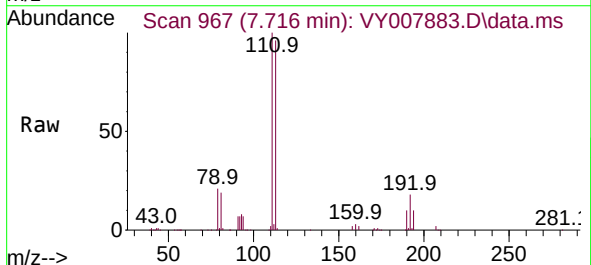
Instrument :
MSVOA_Y
ClientSampleId :
MB-B2-030922-0-1

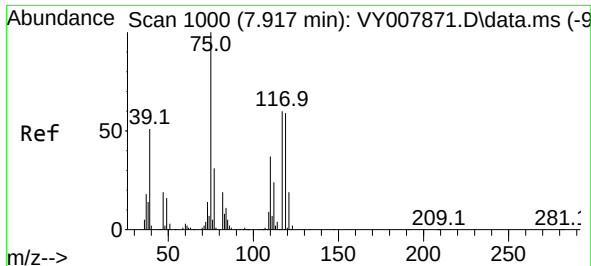
Tgt Ion:114 Resp: 426340
Ion Ratio Lower Upper
114 100
63 18.4 0.0 43.2
88 15.5 0.0 31.8



#35
Dibromofluoromethane
Concen: 40.053 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY007883.D
Acq: 17 Mar 2022 18:39

Tgt Ion:113 Resp: 119926
Ion Ratio Lower Upper
113 100
111 104.4 82.6 124.0
192 19.0 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.468 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY007883.D

Acq: 17 Mar 2022 18:39

Instrument :

MSVOA_Y

ClientSampleId :

MB-B2-030922-0-1

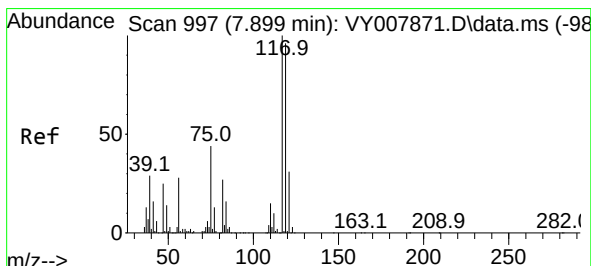
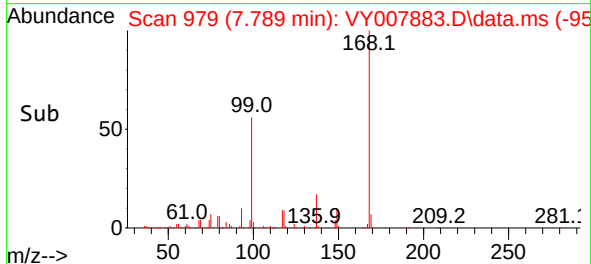
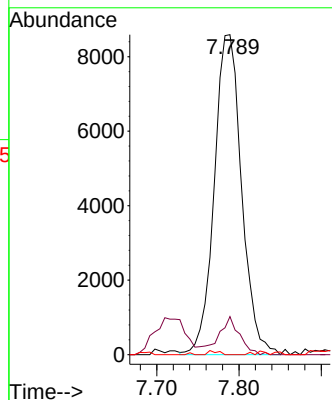
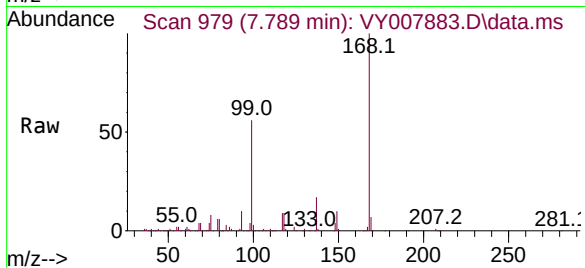
Tgt Ion: 75 Resp: 19843

Ion Ratio Lower Upper

75 100

110 9.2 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.316 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY007883.D

Acq: 17 Mar 2022 18:39

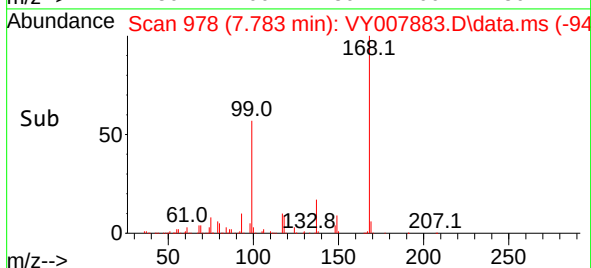
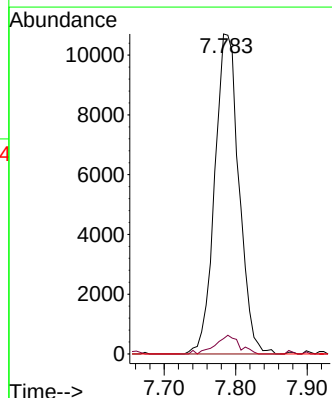
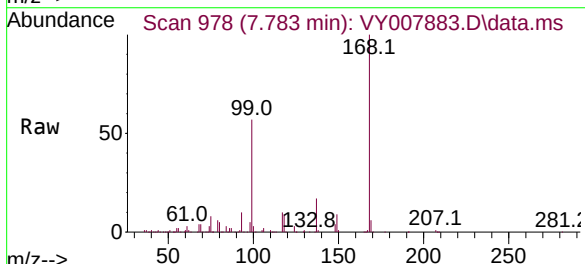
Tgt Ion: 117 Resp: 25227

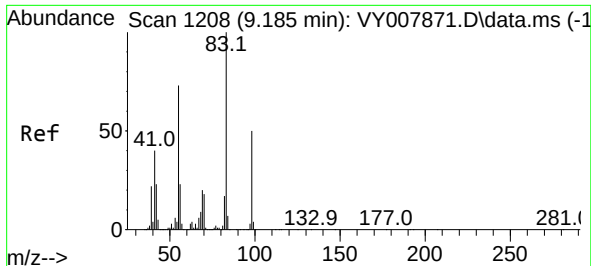
Ion Ratio Lower Upper

117 100

119 4.8 77.9 116.9#

121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: Below Cal

RT: 9.173 min Scan# 1

Delta R.T. -0.012 min

Lab File: VY007883.D

Acq: 17 Mar 2022 18:39

Instrument :

MSVOA_Y

ClientSampleId :

MB-B2-030922-0-1

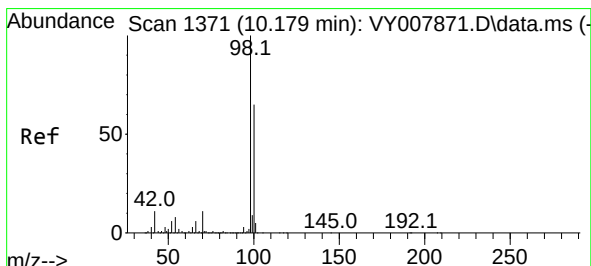
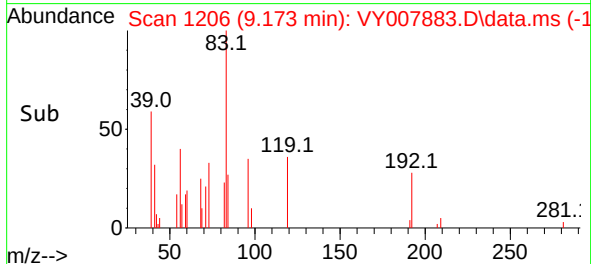
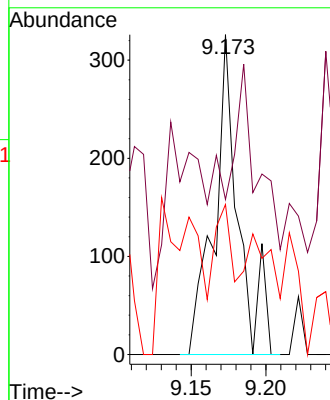
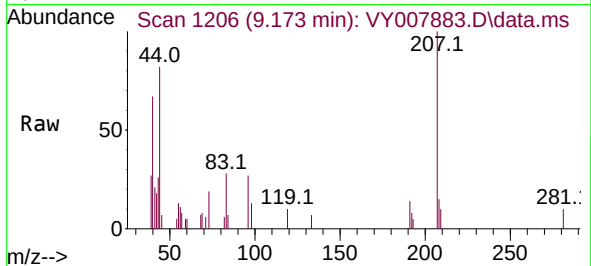
Tgt Ion: 83 Resp: 364

Ion Ratio Lower Upper

83 100

55 15.6 66.5 99.7#

98 29.4 37.9 56.9#



#50

Toluene-d8

Concen: 55.103 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY007883.D

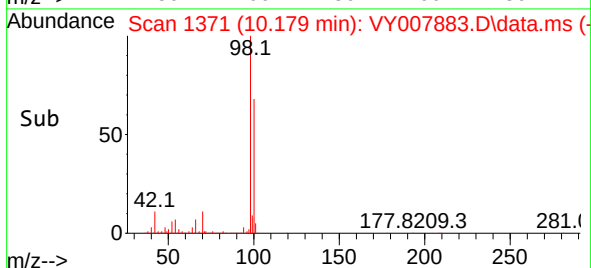
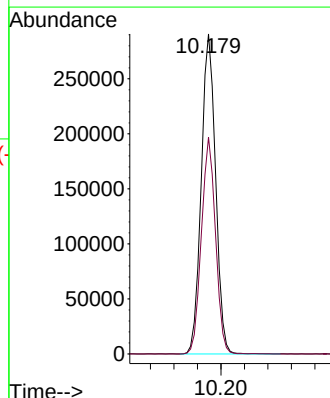
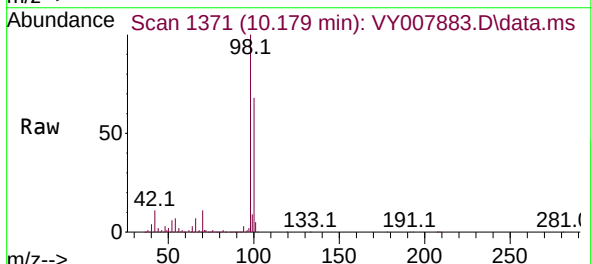
Acq: 17 Mar 2022 18:39

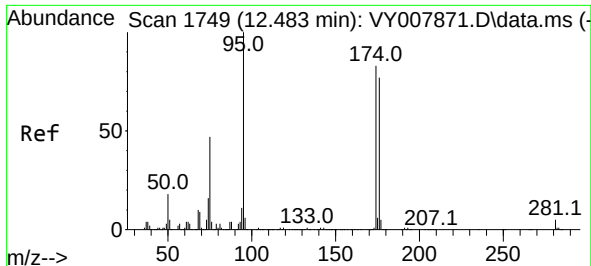
Tgt Ion: 98 Resp: 492666

Ion Ratio Lower Upper

98 100

100 66.7 50.2 75.2

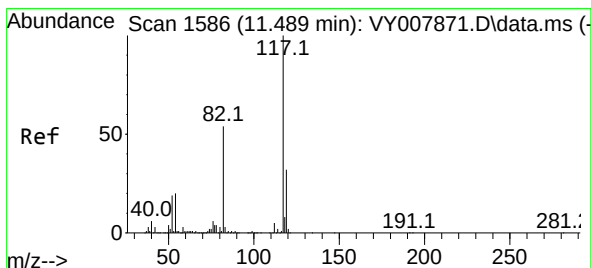
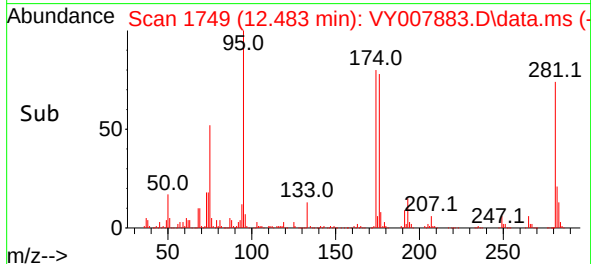
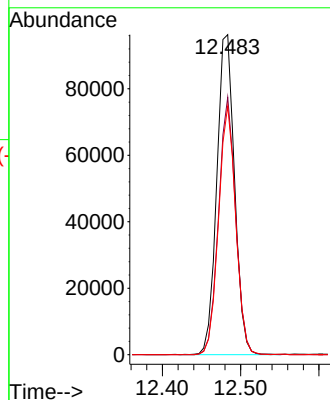
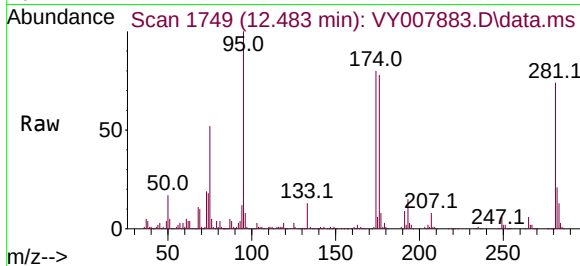




#62
4-Bromofluorobenzene
Concen: 35.356 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY007883.D
Acq: 17 Mar 2022 18:39

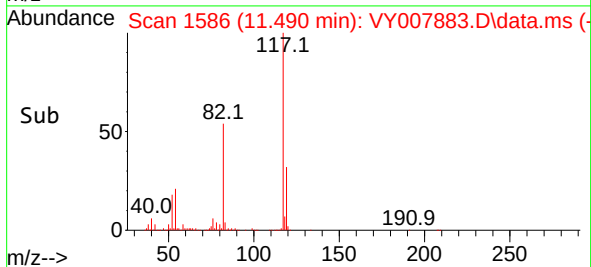
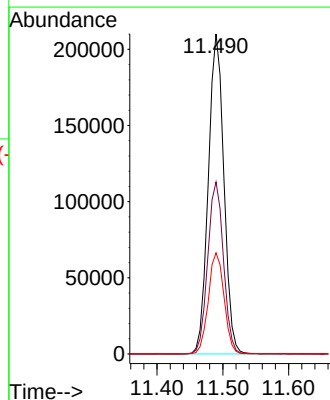
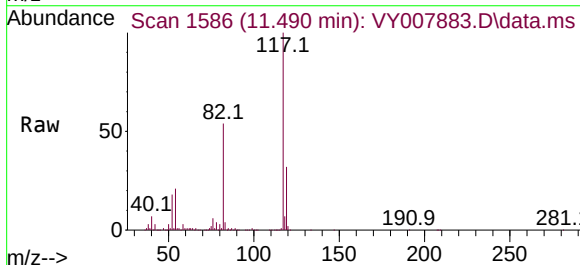
Instrument :
MSVOA_Y
ClientSampleId :
MB-B2-030922-0-1

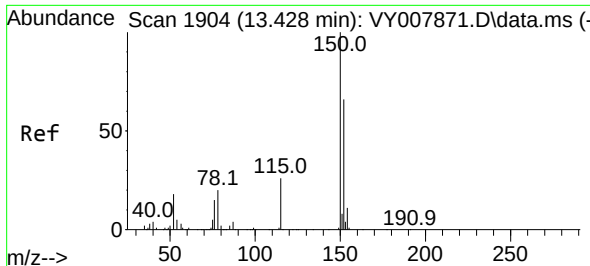
Tgt Ion: 95 Resp: 151932
Ion Ratio Lower Upper
95 100
174 77.3 0.0 177.0
176 75.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY007883.D
Acq: 17 Mar 2022 18:39

Tgt Ion: 117 Resp: 345947
Ion Ratio Lower Upper
117 100
82 53.8 43.0 64.4
119 31.6 25.4 38.0

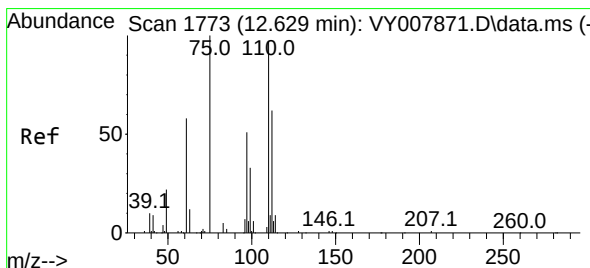
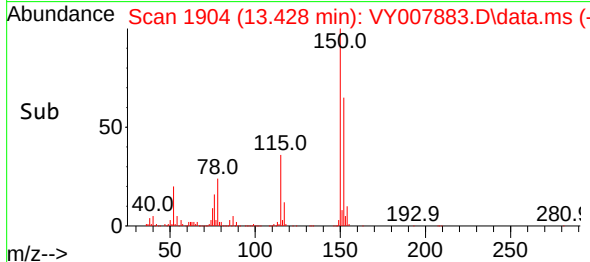
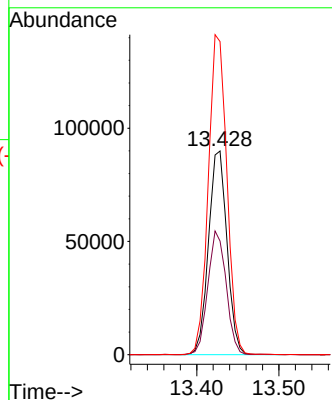
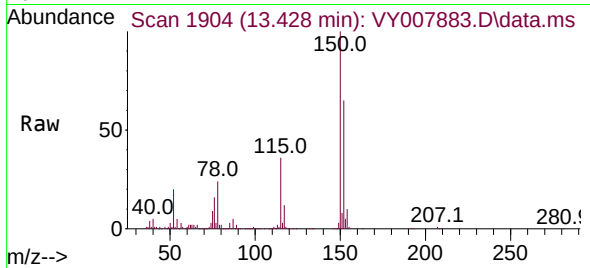




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY007883.D
 Acq: 17 Mar 2022 18:39

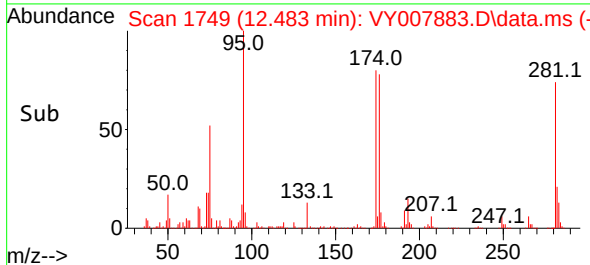
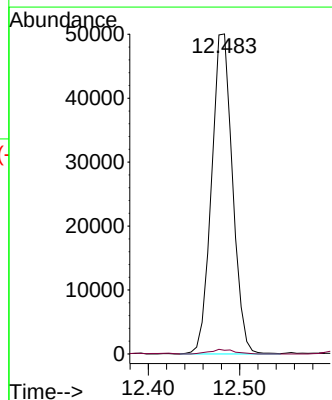
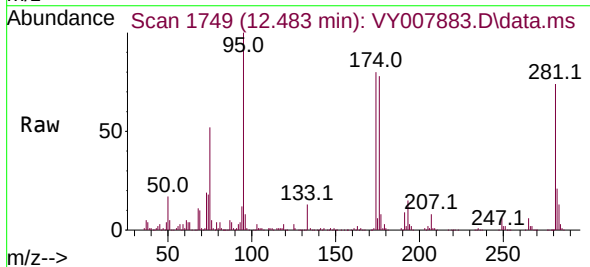
Instrument :
 MSVOA_Y
 ClientSampleId :
 MB-B2-030922-0-1

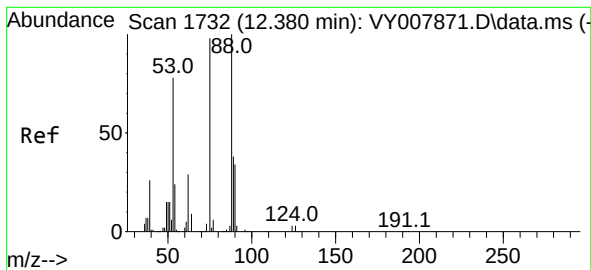
Tgt Ion:152 Resp: 140655
 Ion Ratio Lower Upper
 152 100
 115 59.7 28.2 84.7
 150 157.4 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 39.815 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY007883.D
 Acq: 17 Mar 2022 18:39

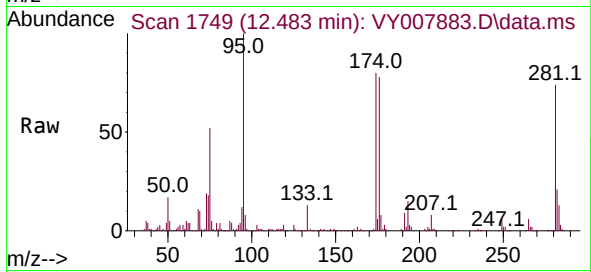
Tgt Ion: 75 Resp: 79822
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.628 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY007883.D
 Acq: 17 Mar 2022 18:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 MB-B2-030922-0-1



Tgt Ion: 75 Resp: 79822
 Ion Ratio Lower Upper
 75 100
 53 0.4 85.3 127.9#
 89 1.9 37.0 55.4#

