

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031722\
 Data File : VY007884.D
 Acq On : 17 Mar 2022 19:03
 Operator : SY/MD
 Sample : N1864-04RE
 Misc : 4.69g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MB-B2-030922-2-3

Quant Time: Mar 18 08:56:27 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)

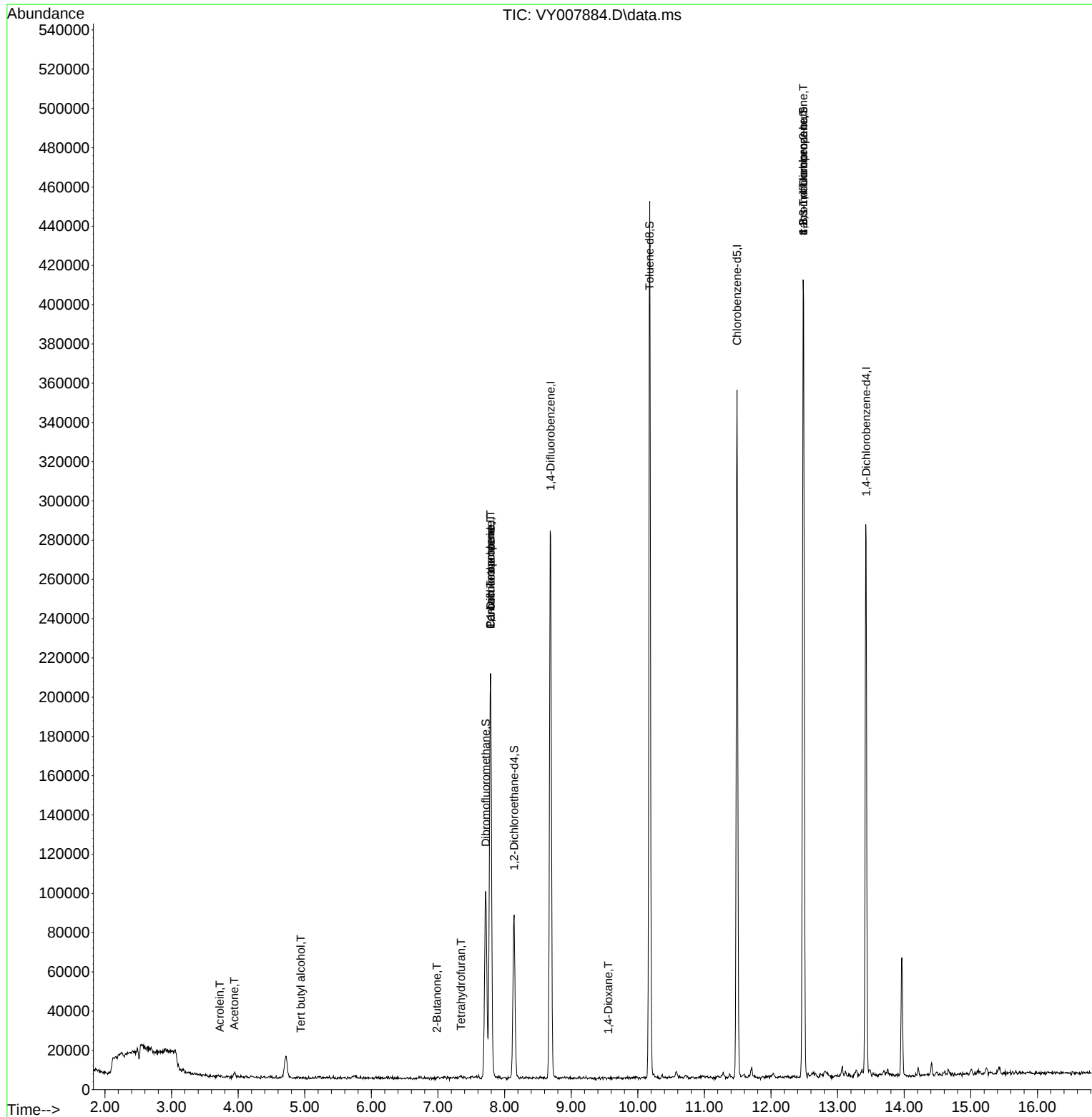
Internal Standards						
1) Pentafluorobenzene	7.789	168	162419	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	252686	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	188492	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	70292	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	60726	32.792	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	65.580%		
35) Dibromofluoromethane	7.716	113	68224	38.445	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	76.880%		
50) Toluene-d8	10.179	98	289712	54.621	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	109.240%		
62) 4-Bromofluorobenzene	12.483	95	81604	32.041	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	64.080%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	238	Below Cal	#	43
3) Chloromethane	2.107	50	1150	Below Cal		94
4) Vinyl Chloride	2.241	62	312	Below Cal	#	77
5) Bromomethane	2.668	94	562	Below Cal		84
11) Tert butyl alcohol	4.942	59	470	2.179 ug/l	#	77
13) Acrolein	3.723	56	164	1.262 ug/l		85
16) Acetone	3.942	43	3753	7.639 ug/l		94
17) Carbon Disulfide	4.192	76	248	Below Cal	#	75
18) Methyl Acetate	4.472	43	398	Below Cal		100
20) Methylene Chloride	4.710	84	8505	Below Cal	#	73
25) 2-Butanone	6.984	43	1015	1.290 ug/l	#	54
29) Tetrahydrofuran	7.344	42	921	1.827 ug/l	#	62
31) Cyclohexane	7.783	56	3681	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	12876	4.892 ug/l	#	51
38) Carbon Tetrachloride	7.789	117	16030	5.699 ug/l	#	17
49) 1,4-Dioxane	9.557	88	22	1.333 ug/l	#	1
76) 1,2,3-Trichloropropane	12.483	75	42329	42.249 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	42329	88.740 ug/l	#	9

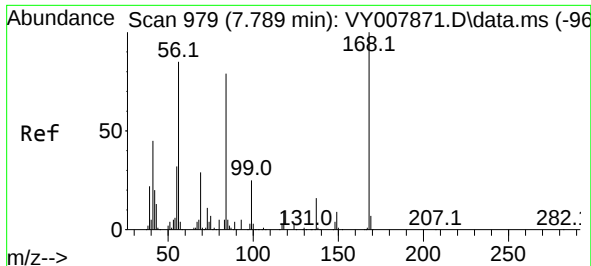
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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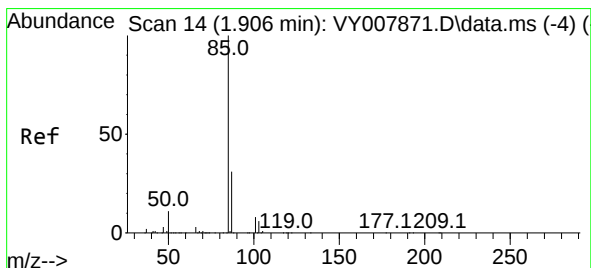
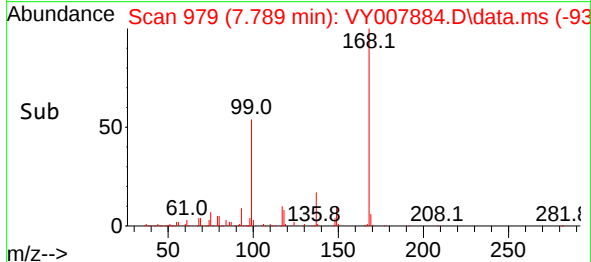
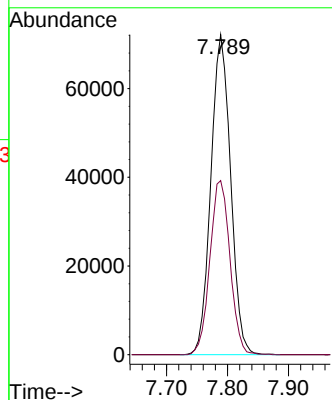
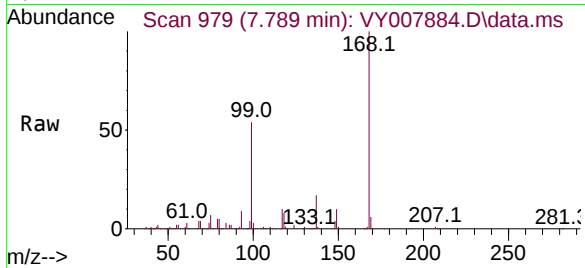




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007884.D
Acq: 17 Mar 2022 19:03

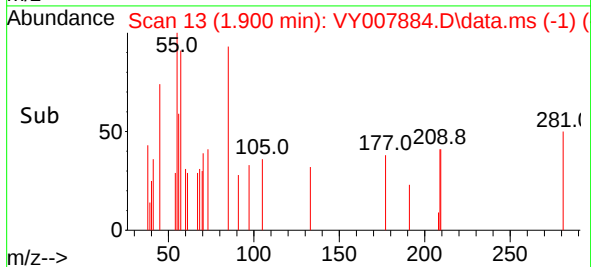
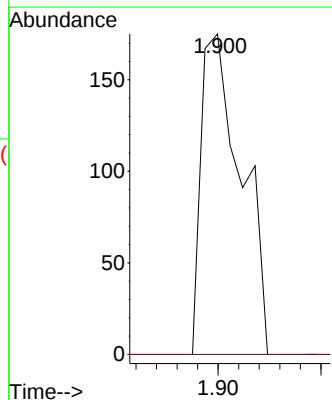
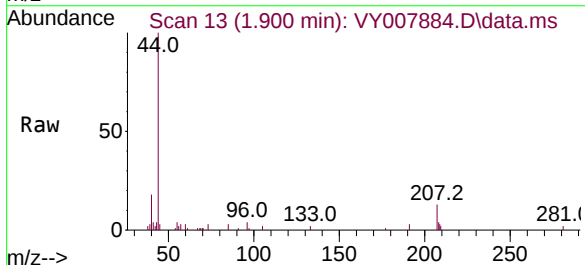
Instrument :
MSVOA_Y
ClientSampleId :
MB-B2-030922-2-3

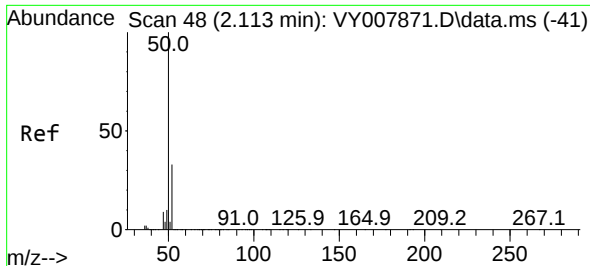
Tgt Ion:168 Resp: 162419
Ion Ratio Lower Upper
168 100
99 54.4 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY007884.D
Acq: 17 Mar 2022 19:03

Tgt Ion: 85 Resp: 238
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

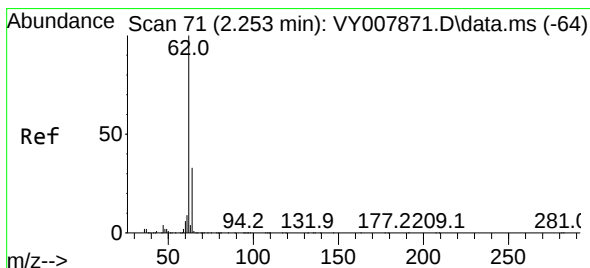
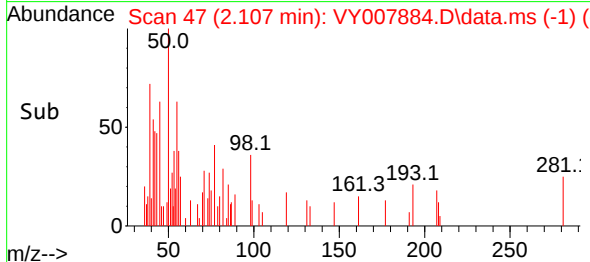
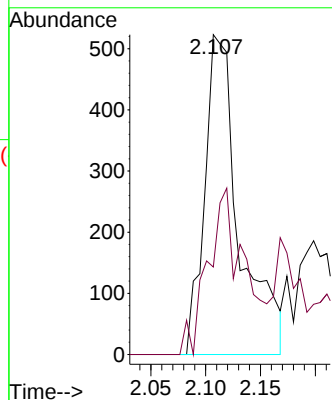
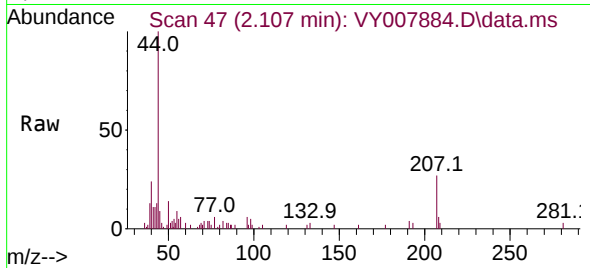




#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY007884.D
Acq: 17 Mar 2022 19:03

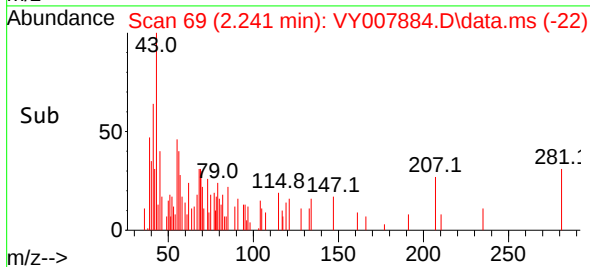
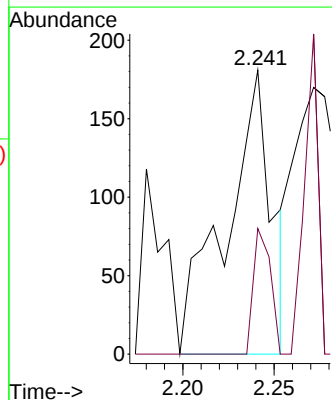
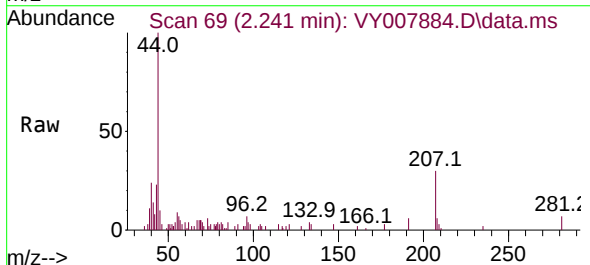
Instrument :
MSVOA_Y
ClientSampleId :
MB-B2-030922-2-3

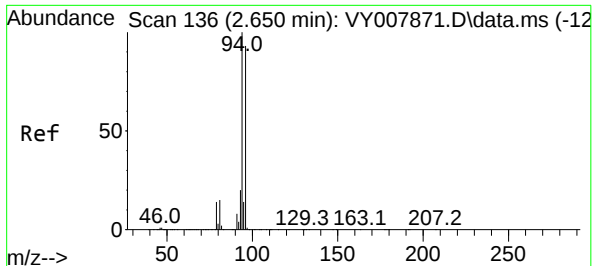
Tgt Ion: 50 Resp: 1150
Ion Ratio Lower Upper
50 100
52 27.3 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.241 min Scan# 69
Delta R.T. -0.012 min
Lab File: VY007884.D
Acq: 17 Mar 2022 19:03

Tgt Ion: 62 Resp: 312
Ion Ratio Lower Upper
62 100
64 44.2 25.0 37.6#

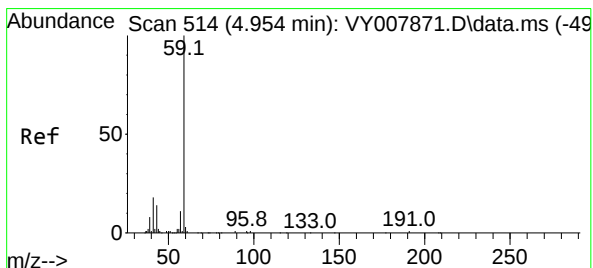
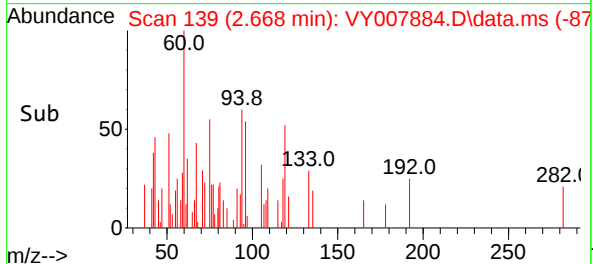
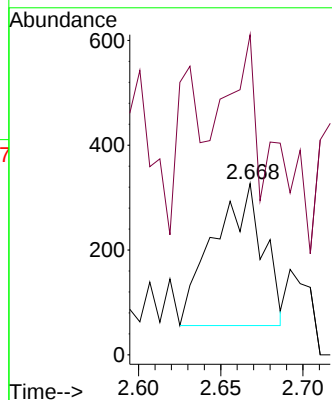
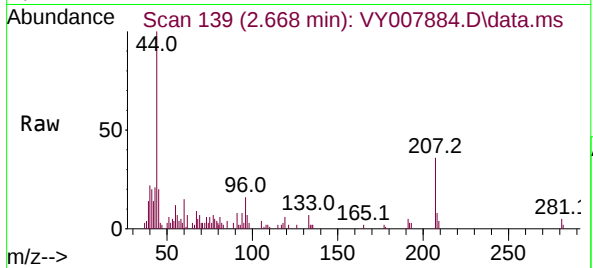




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY007884.D
Acq: 17 Mar 2022 19:03

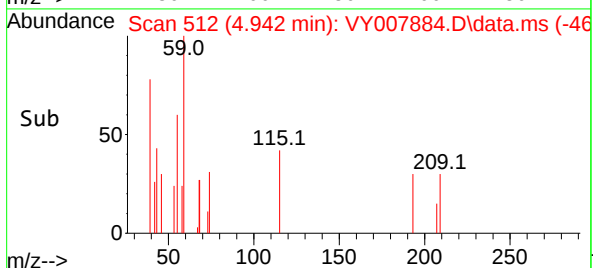
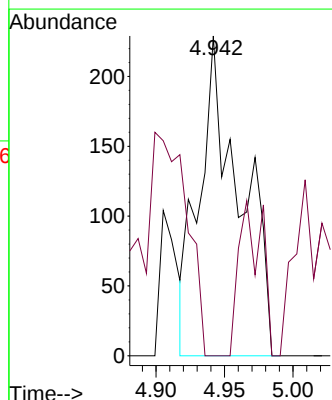
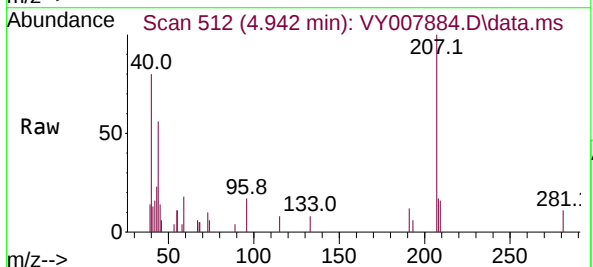
Instrument :
MSVOA_Y
ClientSampleId :
MB-B2-030922-2-3

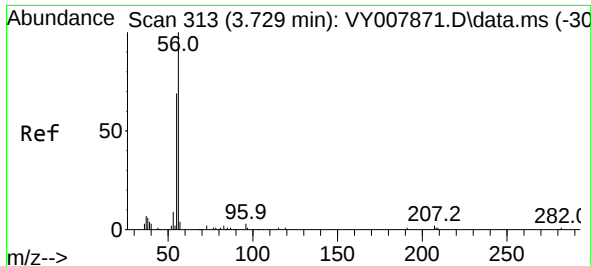
Tgt Ion: 94 Resp: 562
Ion Ratio Lower Upper
94 100
96 76.4 73.5 110.3



#11
Tert butyl alcohol
Concen: 2.179 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY007884.D
Acq: 17 Mar 2022 19:03

Tgt Ion: 59 Resp: 470
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

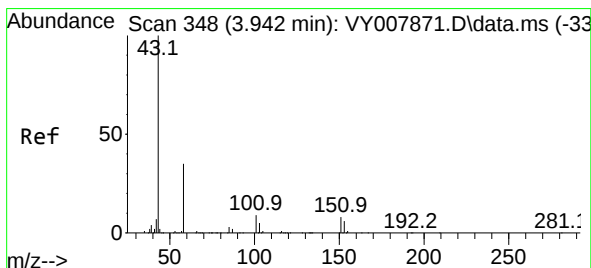
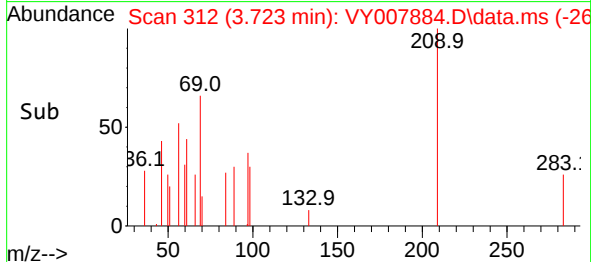
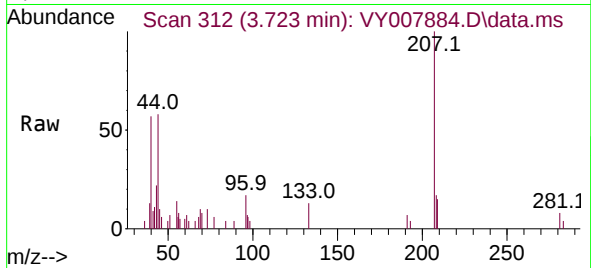




#13
Acrolein
Concen: 1.262 ug/l
RT: 3.723 min Scan# 313
Delta R.T. -0.006 min
Lab File: VY007884.D
Acq: 17 Mar 2022 19:03

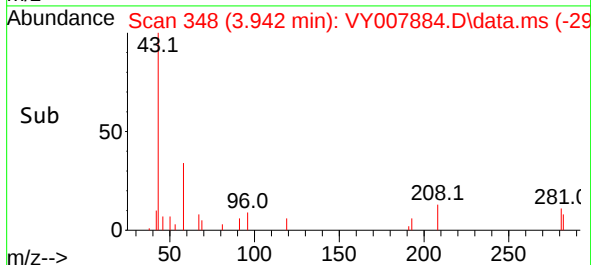
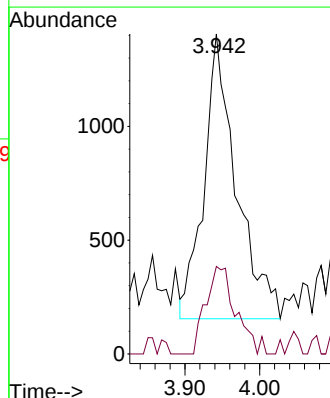
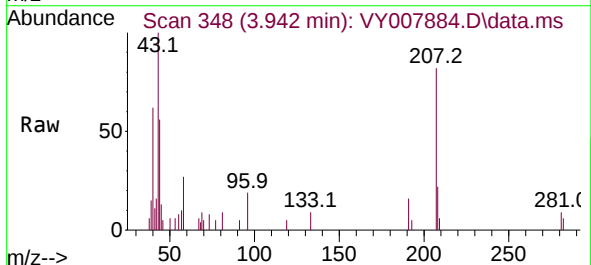
Instrument :
MSVOA_Y
ClientSampleId :
MB-B2-030922-2-3

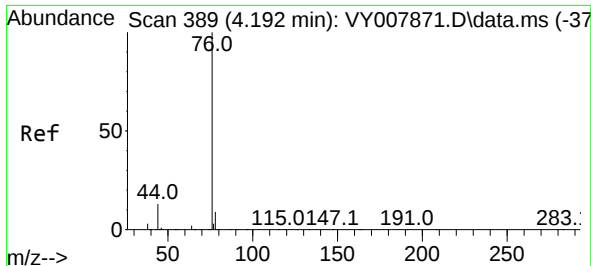
Tgt Ion: 56 Resp: 164
Ion Ratio Lower Upper
56 100
55 84.1 57.6 86.4



#16
Acetone
Concen: 7.639 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY007884.D
Acq: 17 Mar 2022 19:03

Tgt Ion: 43 Resp: 3753
Ion Ratio Lower Upper
43 100
58 30.8 22.0 33.0

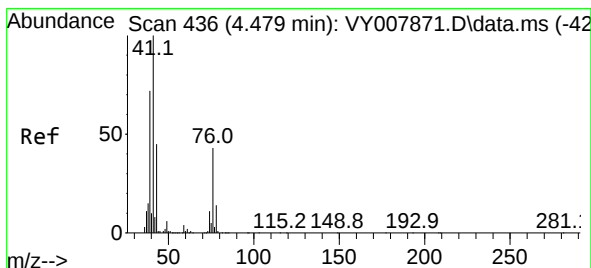
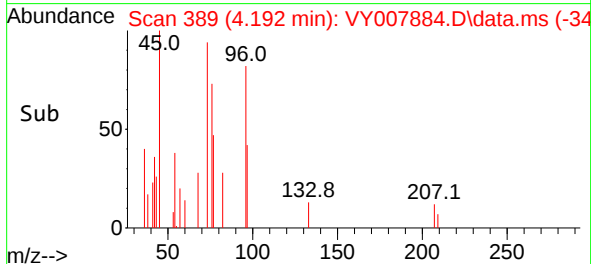
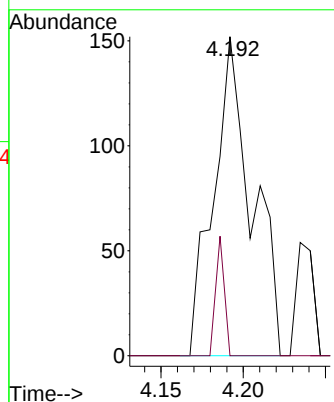
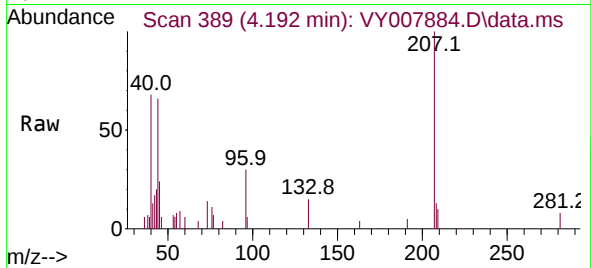




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 389
Delta R.T. -0.000 min
Lab File: VY007884.D
Acq: 17 Mar 2022 19:03

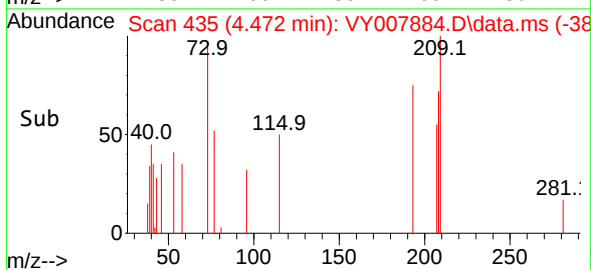
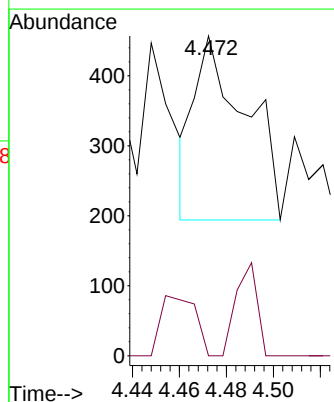
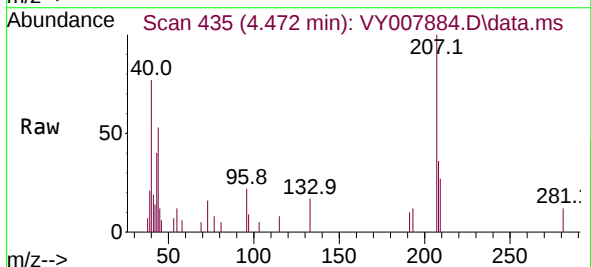
Instrument :
MSVOA_Y
ClientSampleId :
MB-B2-030922-2-3

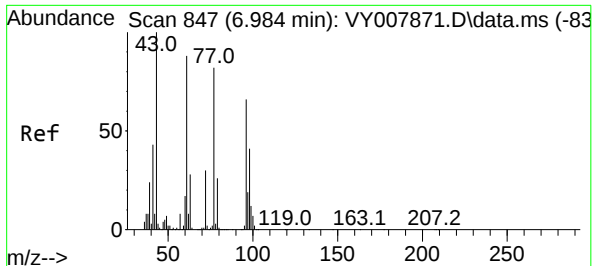
Tgt Ion: 76 Resp: 248
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 435
Delta R.T. -0.000 min
Lab File: VY007884.D
Acq: 17 Mar 2022 19:03

Tgt Ion: 43 Resp: 398
Ion Ratio Lower Upper
43 100
74 20.9 16.6 24.8





#25

2-Butanone

Concen: 1.290 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY007884.D

Acq: 17 Mar 2022 19:03

Instrument :

MSVOA_Y

ClientSampleId :

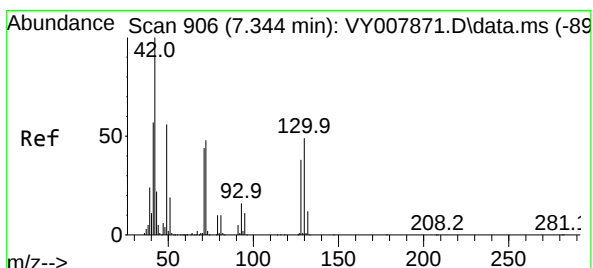
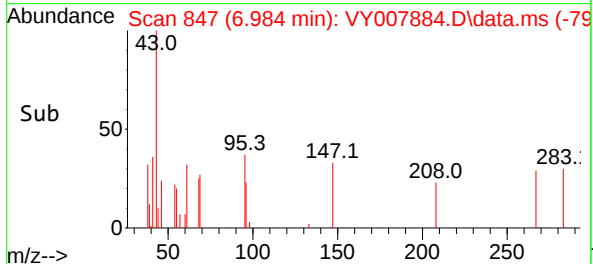
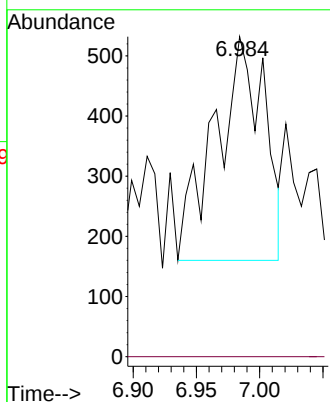
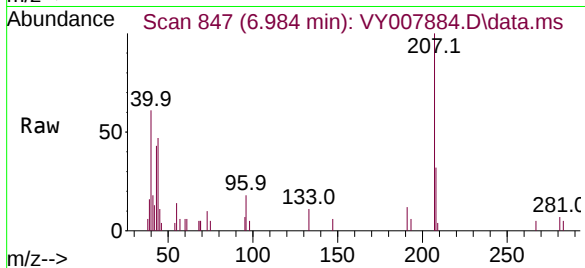
MB-B2-030922-2-3

Tgt Ion: 43 Resp: 1015

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#29

Tetrahydrofuran

Concen: 1.827 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY007884.D

Acq: 17 Mar 2022 19:03

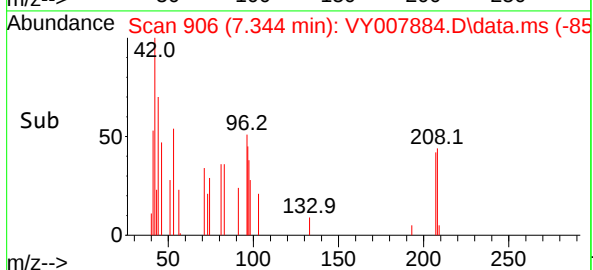
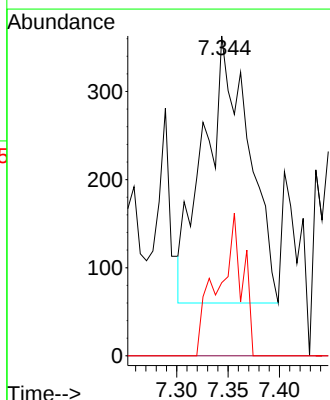
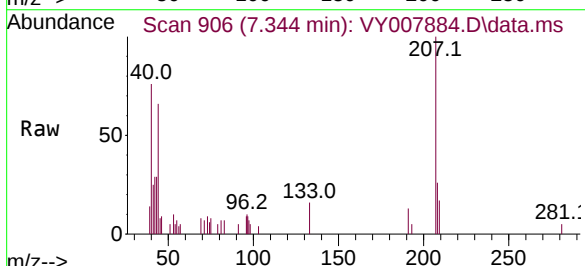
Tgt Ion: 42 Resp: 921

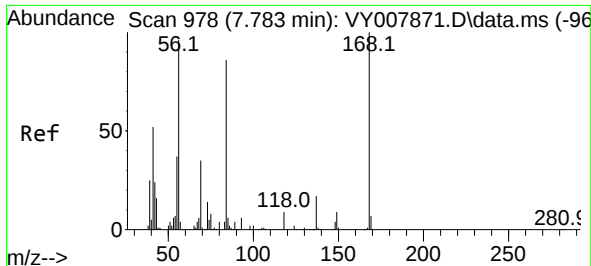
Ion Ratio Lower Upper

42 100

72 0.0 30.3 45.5#

71 29.4 29.0 43.4

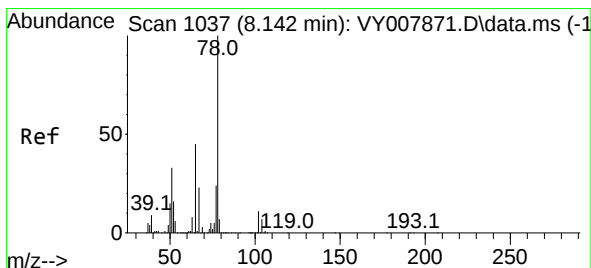
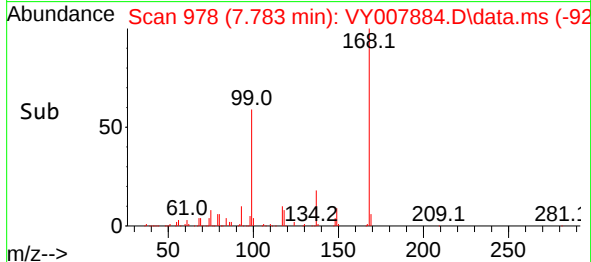
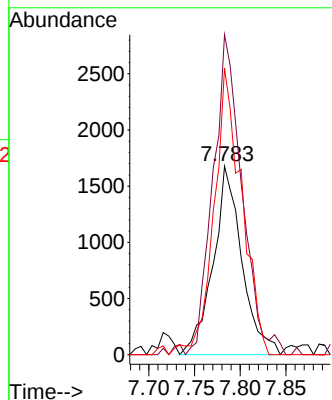
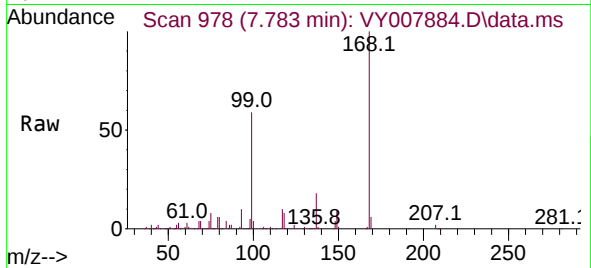




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007884.D
Acq: 17 Mar 2022 19:03

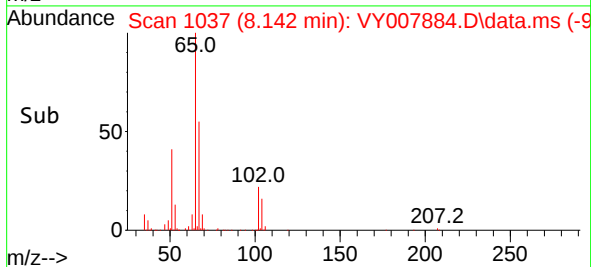
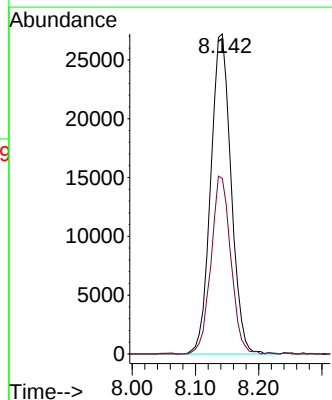
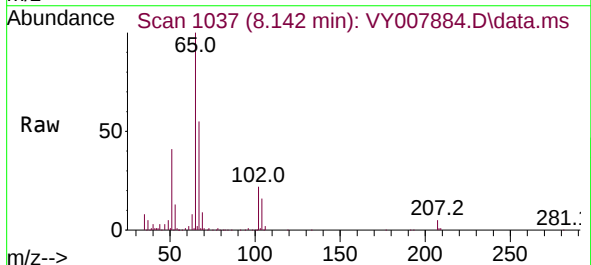
Instrument :
MSVOA_Y
ClientSampleId :
MB-B2-030922-2-3

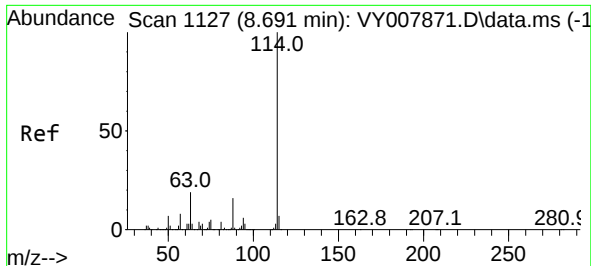
Tgt Ion: 56 Resp: 3681
Ion Ratio Lower Upper
56 100
69 164.4 26.7 40.1#
84 152.1 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 32.792 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY007884.D
Acq: 17 Mar 2022 19:03

Tgt Ion: 65 Resp: 60726
Ion Ratio Lower Upper
65 100
67 54.1 0.0 99.4

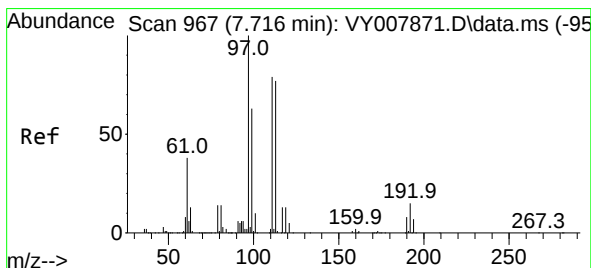
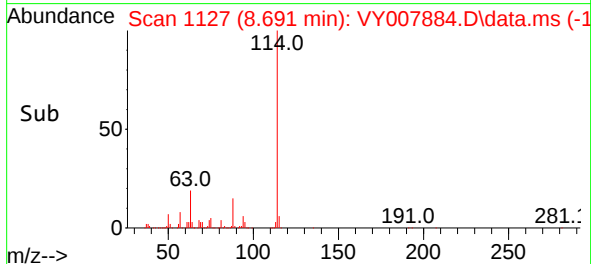
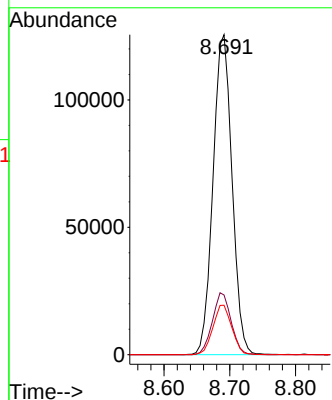
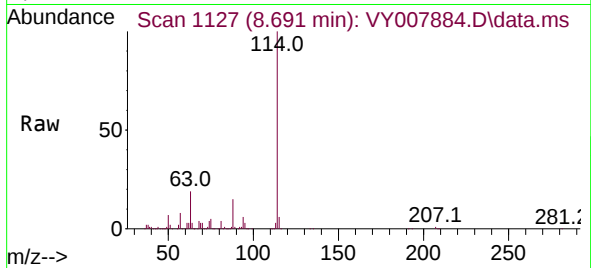




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY007884.D
Acq: 17 Mar 2022 19:03

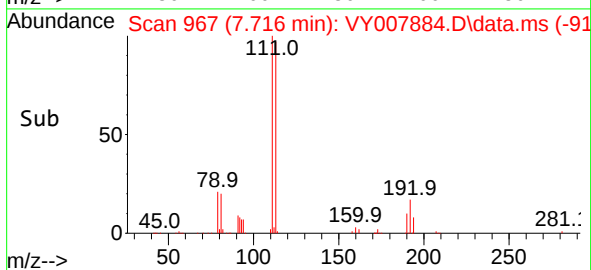
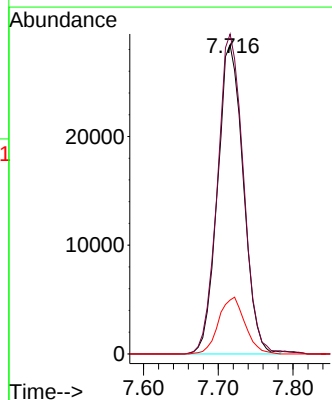
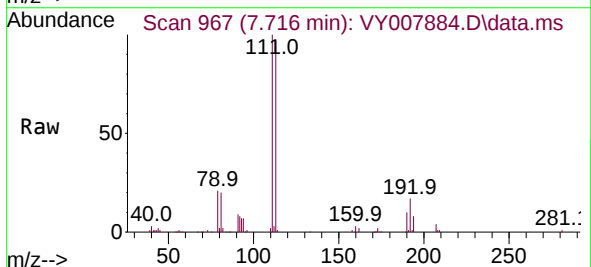
Instrument :
MSVOA_Y
ClientSampleId :
MB-B2-030922-2-3

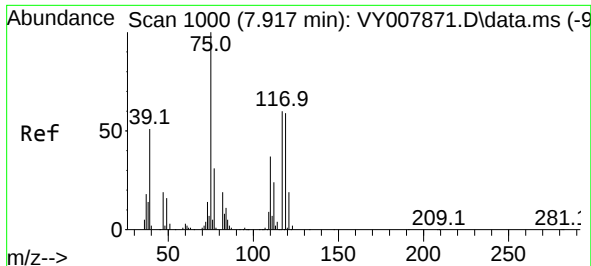
Tgt Ion:114 Resp: 252686
Ion Ratio Lower Upper
114 100
63 18.6 0.0 43.2
88 15.5 0.0 31.8



#35
Dibromofluoromethane
Concen: 38.445 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY007884.D
Acq: 17 Mar 2022 19:03

Tgt Ion:113 Resp: 68224
Ion Ratio Lower Upper
113 100
111 104.7 82.6 124.0
192 18.8 17.6 26.4

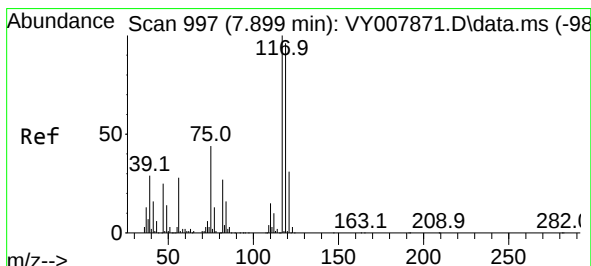
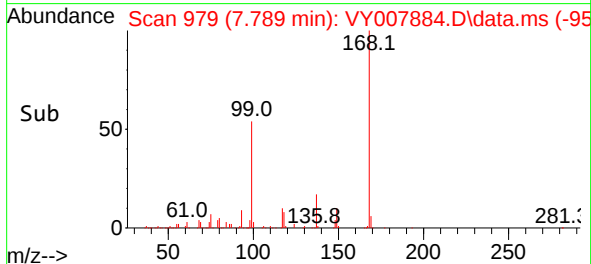
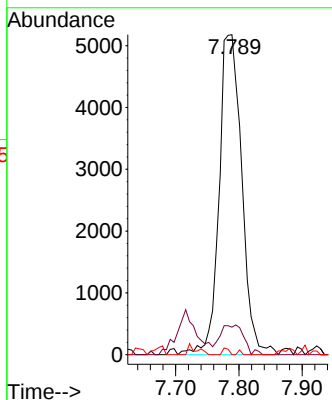
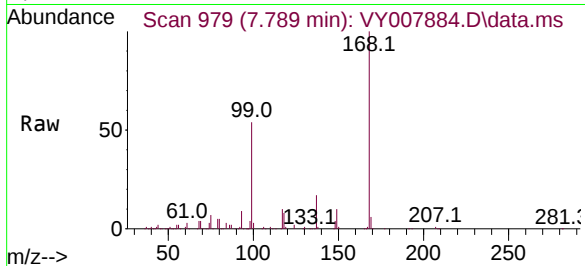




#36
 1,1-Dichloropropene
 Concen: 4.892 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY007884.D
 Acq: 17 Mar 2022 19:03

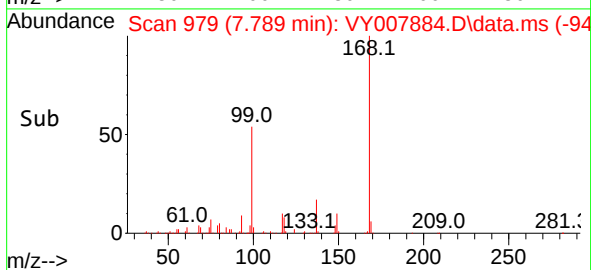
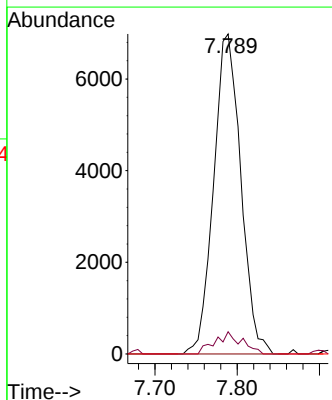
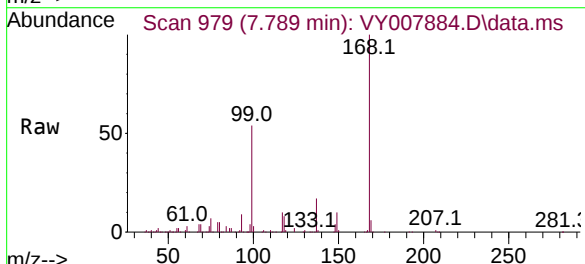
Instrument :
 MSVOA_Y
 ClientSampleId :
 MB-B2-030922-2-3

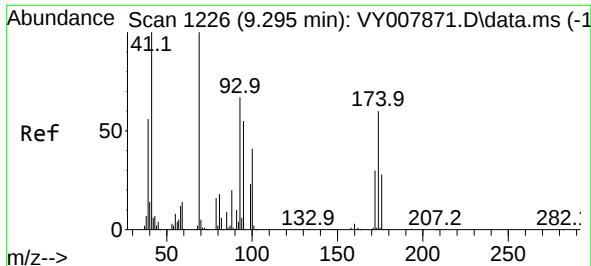
Tgt Ion: 75 Resp: 12876
 Ion Ratio Lower Upper
 75 100
 110 9.8 17.1 51.2#
 77 0.2 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.699 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.110 min
 Lab File: VY007884.D
 Acq: 17 Mar 2022 19:03

Tgt Ion: 117 Resp: 16030
 Ion Ratio Lower Upper
 117 100
 119 7.0 77.9 116.9#
 121 0.0 24.8 37.2#





#49

1,4-Dioxane

Concen: 1.333 ug/l

RT: 9.557 min Scan# 1269

Delta R.T. 0.262 min

Lab File: VY007884.D

Acq: 17 Mar 2022 19:03

Instrument :

MSVOA_Y

ClientSampleId :

MB-B2-030922-2-3

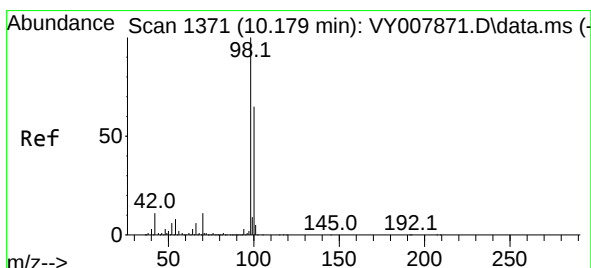
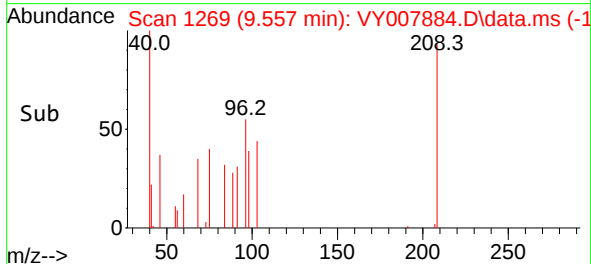
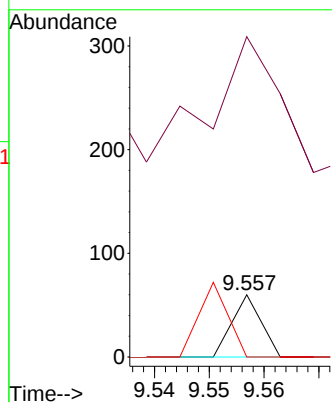
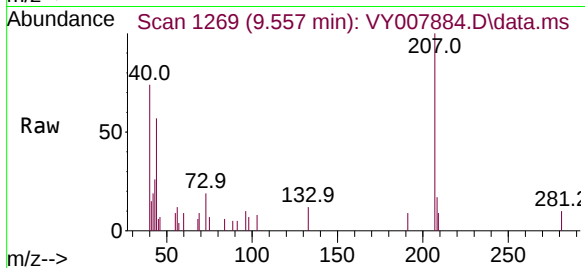
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 518.2 32.8 49.2#

58 118.2 59.8 89.6#



#50

Toluene-d8

Concen: 54.621 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY007884.D

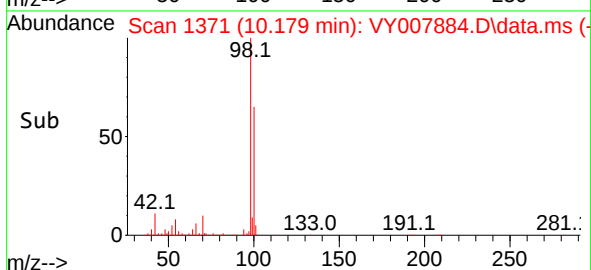
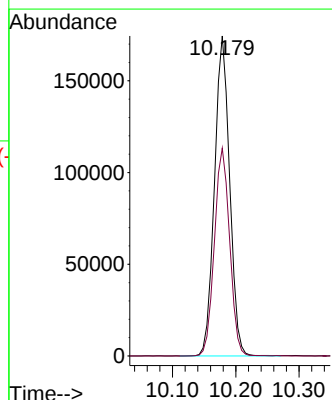
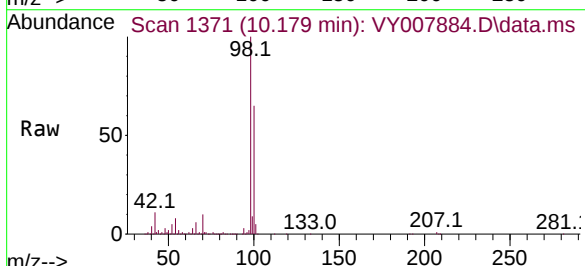
Acq: 17 Mar 2022 19:03

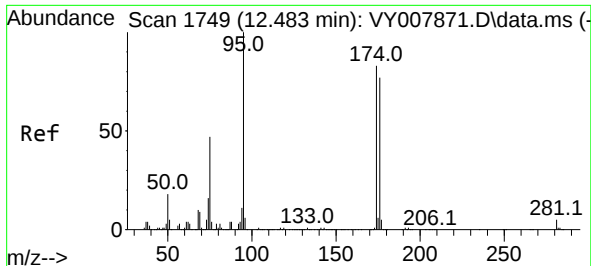
Tgt Ion: 98 Resp: 289712

Ion Ratio Lower Upper

98 100

100 65.4 50.2 75.2

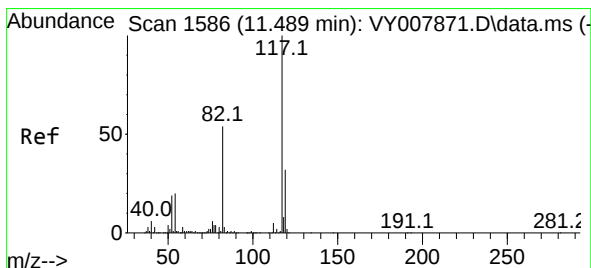
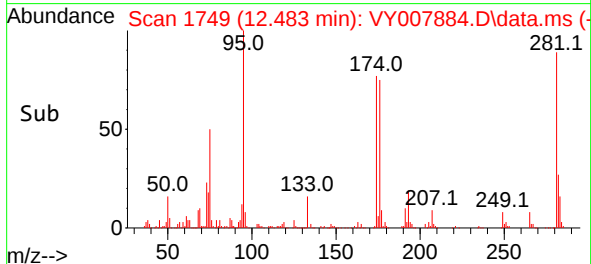
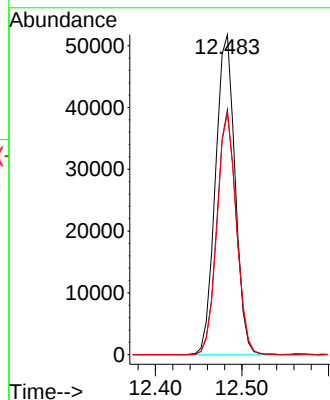
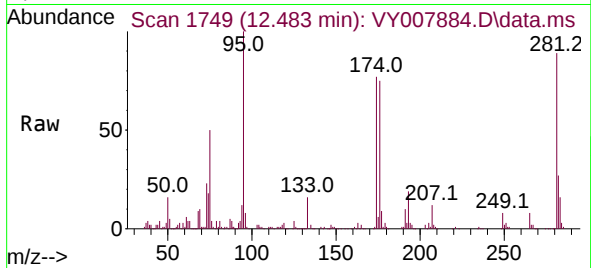




#62
4-Bromofluorobenzene
Concen: 32.041 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY007884.D
Acq: 17 Mar 2022 19:03

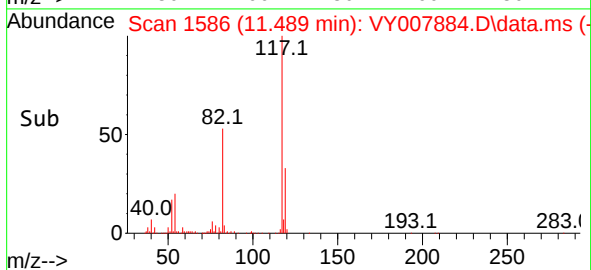
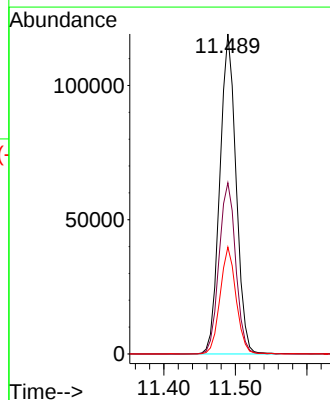
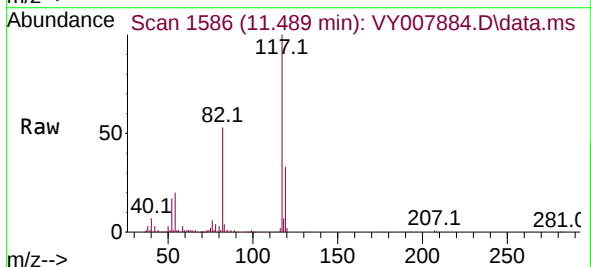
Instrument :
MSVOA_Y
ClientSampleId :
MB-B2-030922-2-3

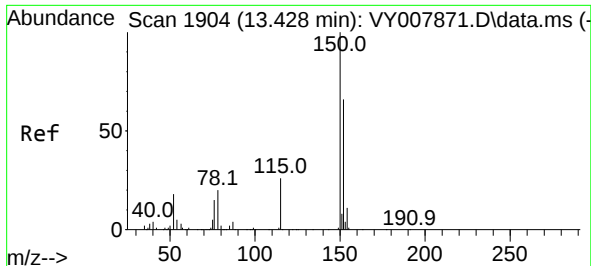
Tgt Ion: 95 Resp: 81604
Ion Ratio Lower Upper
95 100
174 74.9 0.0 177.0
176 74.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY007884.D
Acq: 17 Mar 2022 19:03

Tgt Ion: 117 Resp: 188492
Ion Ratio Lower Upper
117 100
82 53.5 43.0 64.4
119 33.4 25.4 38.0

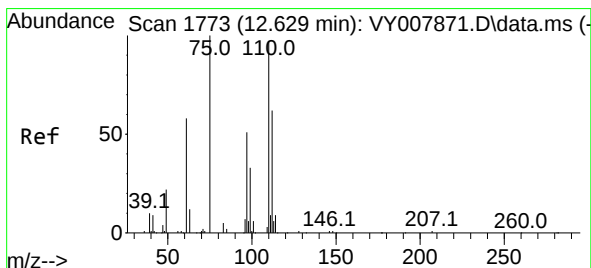
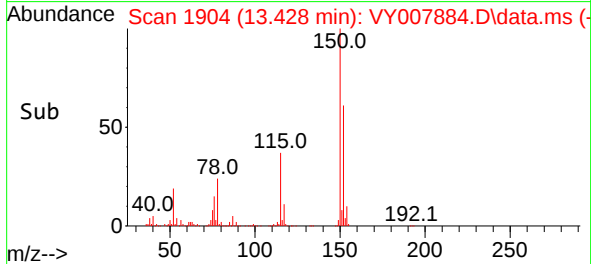
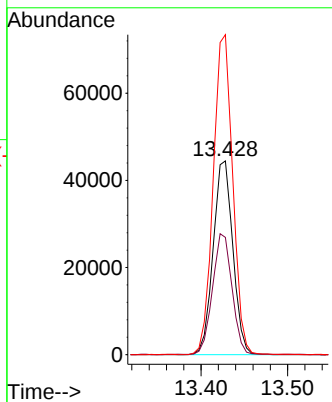
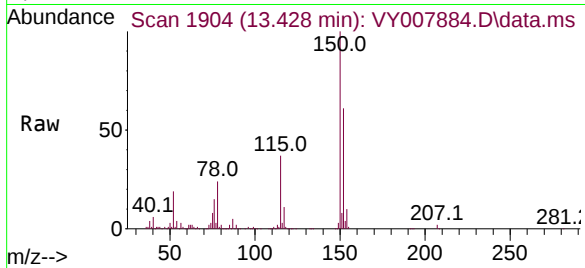




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY007884.D
 Acq: 17 Mar 2022 19:03

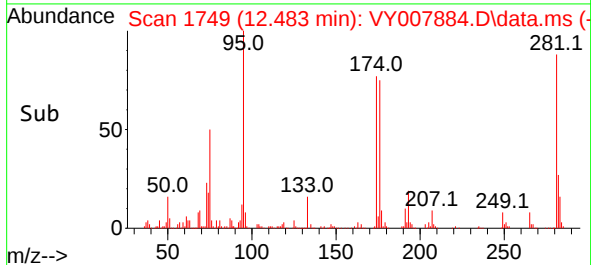
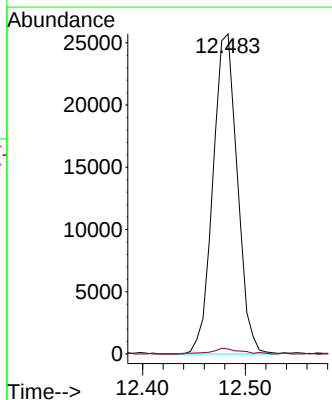
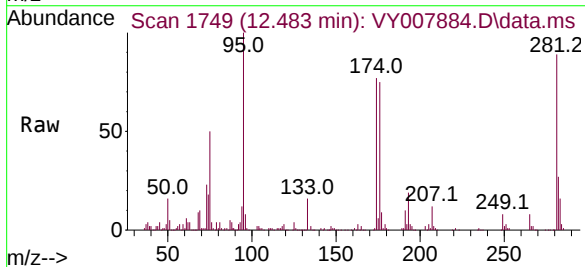
Instrument :
 MSVOA_Y
 ClientSampleId :
 MB-B2-030922-2-3

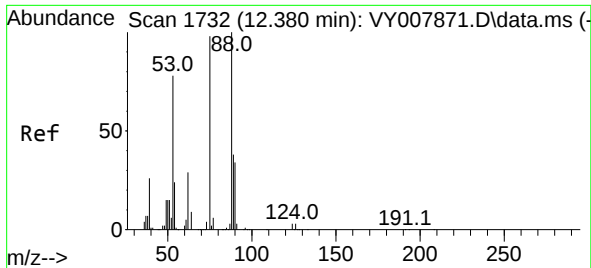
Tgt Ion:152 Resp: 70292
 Ion Ratio Lower Upper
 152 100
 115 61.4 28.2 84.7
 150 163.1 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 42.249 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY007884.D
 Acq: 17 Mar 2022 19:03

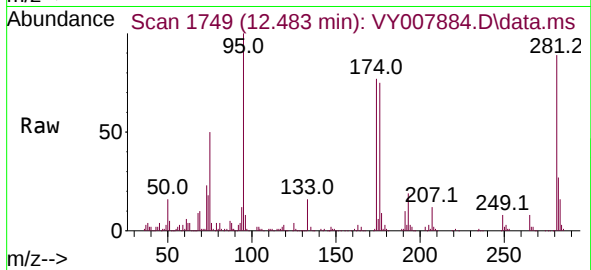
Tgt Ion: 75 Resp: 42329
 Ion Ratio Lower Upper
 75 100
 77 2.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.740 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY007884.D
 Acq: 17 Mar 2022 19:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 MB-B2-030922-2-3



Tgt Ion:	75	Resp:	42329
Ion	Ratio	Lower	Upper
75	100		
53	0.4	85.3	127.9#
89	2.5	37.0	55.4#

