

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032122\
 Data File : VY007963.D
 Acq On : 21 Mar 2022 18:33
 Operator : SY/MD
 Sample : N1974-06
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G-6-4-6-7

Quant Time: Mar 22 03:41:15 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)

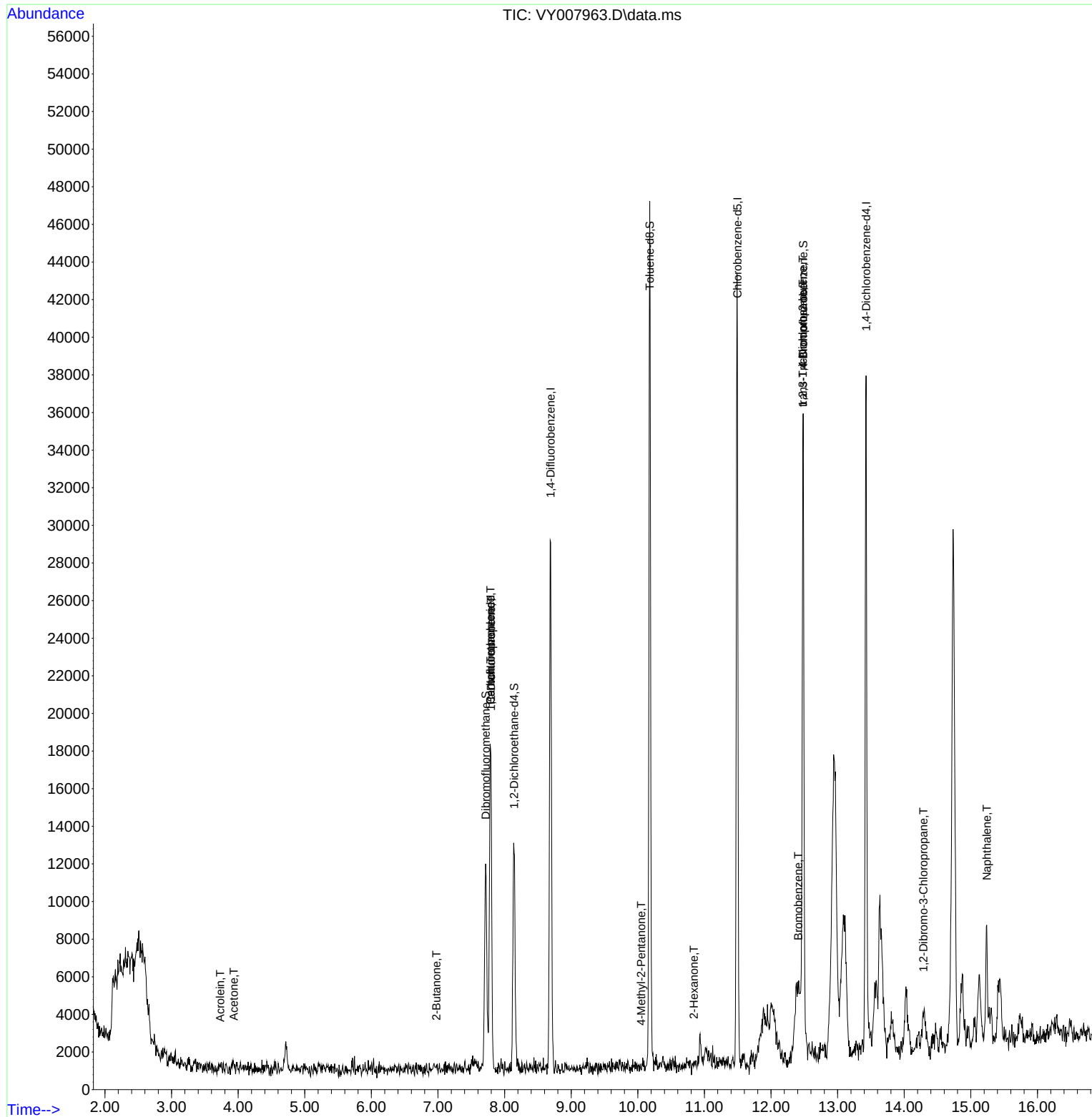
Internal Standards						
1) Pentafluorobenzene	7.789	168	12623	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	24377	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	22333	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	8372	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	9530	66.215	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	132.420%
35) Dibromofluoromethane	7.716	113	7682	44.872	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.740%
50) Toluene-d8	10.179	98	29239	57.440	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	114.880%
62) 4-Bromofluorobenzene	12.483	95	9999	40.696	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	81.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.113	85	44	Below Cal	#	43
3) Chloromethane	2.113	50	416	Below Cal	#	86
4) Vinyl Chloride	2.265	62	201	Below Cal	#	43
5) Bromomethane	2.662	94	187	Below Cal		98
13) Acrolein	3.729	56	20	1.980	ug/l #	6
16) Acetone	3.936	43	628	16.448	ug/l #	47
18) Methyl Acetate	4.448	43	80	Below Cal	#	56
25) 2-Butanone	6.978	43	198	3.238	ug/l #	54
31) Cyclohexane	7.777	56	276	Below Cal	#	49
36) 1,1-Dichloropropene	7.795	75	1150	4.529	ug/l #	44
38) Carbon Tetrachloride	7.789	117	1603	5.908	ug/l #	11
51) 4-Methyl-2-Pentanone	10.051	43	256	1.627	ug/l #	40
59) 2-Hexanone	10.843	43	271	2.408	ug/l #	28
76) 1,2,3-Trichloropropane	12.477	75	5478	45.907	ug/l #	100
77) Bromobenzene	12.410	156	937	5.564	ug/l #	8
81) trans-1,4-Dichloro-2-b...	12.477	75	5478	96.423	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.288	75	101	3.701	ug/l #	50
95) Naphthalene	15.239	128	4439	10.639	ug/l #	95

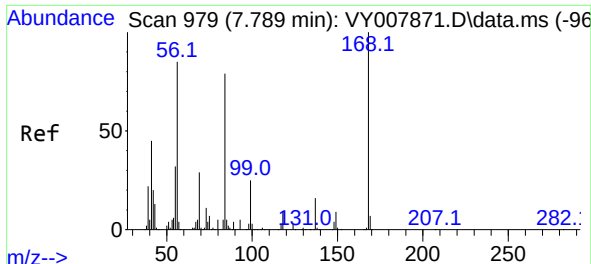
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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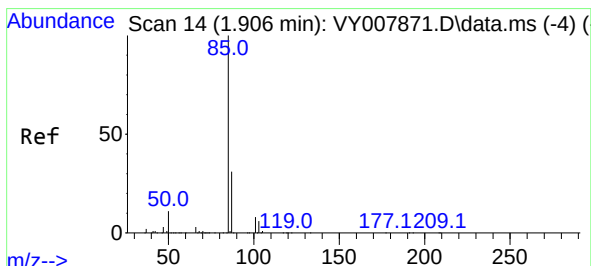
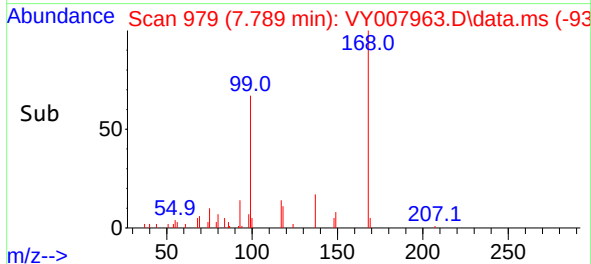
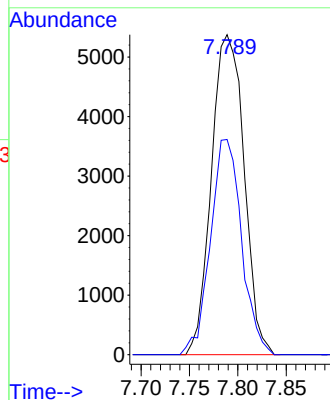
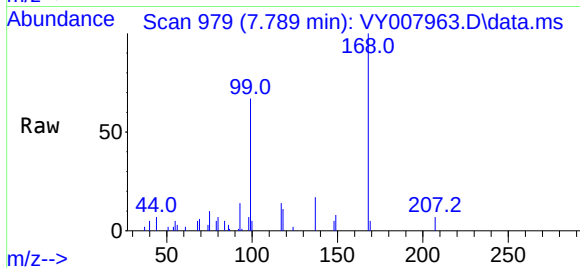




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007963.D
Acq: 21 Mar 2022 18:33

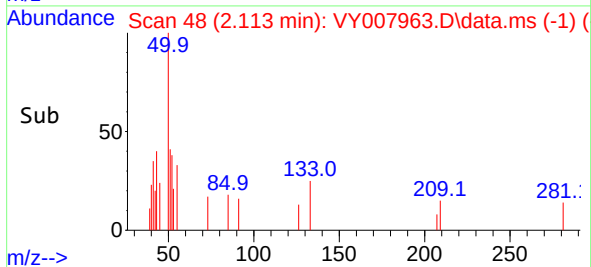
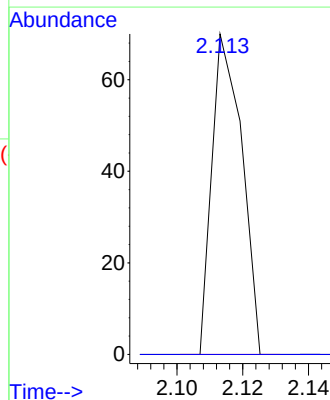
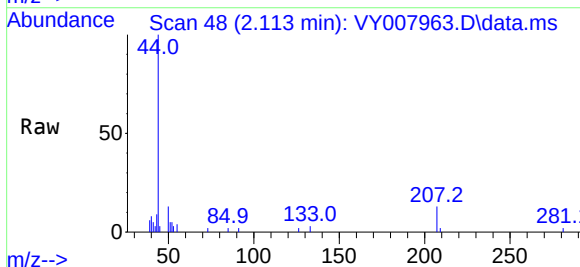
Instrument :
MSVOA_Y
ClientSampleId :
G-6-4-6-7

Tgt Ion:168 Resp: 12623
Ion Ratio Lower Upper
168 100
99 67.3 46.9 70.3

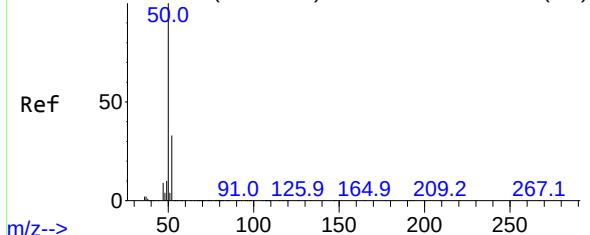


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.207 min
Lab File: VY007963.D
Acq: 21 Mar 2022 18:33

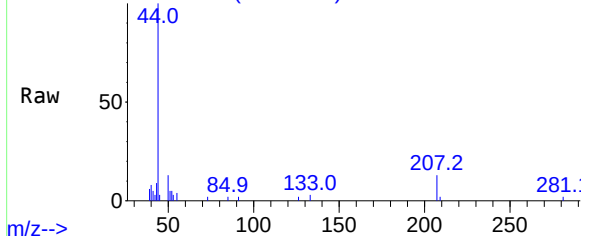
Tgt Ion: 85 Resp: 44
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#



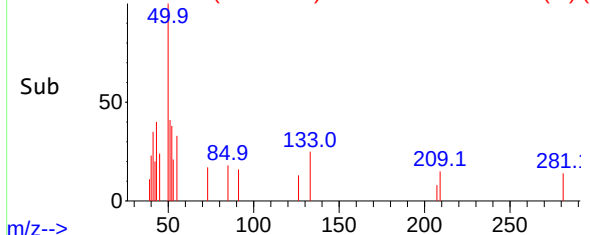
Abundance Scan 48 (2.113 min): VY007871.D\data.ms (-41)



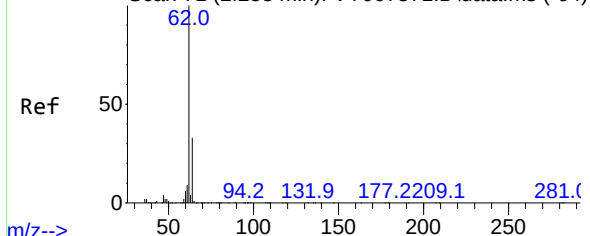
Abundance Scan 48 (2.113 min): VY007963.D\data.ms



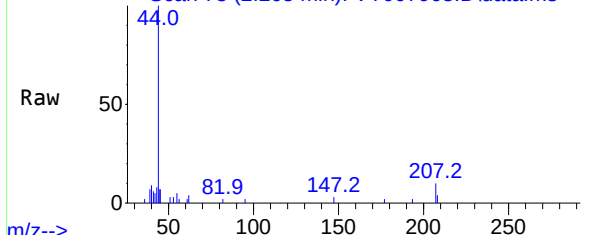
Abundance Scan 48 (2.113 min): VY007963.D\data.ms (-1)



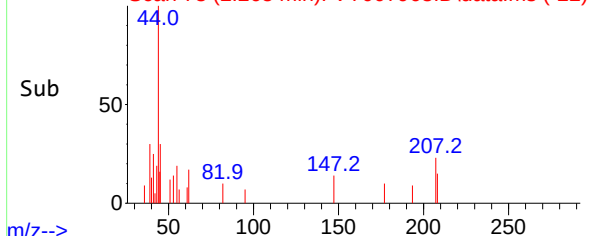
Abundance Scan 71 (2.253 min): VY007871.D\data.ms (-64)



Abundance Scan 73 (2.265 min): VY007963.D\data.ms



Abundance Scan 73 (2.265 min): VY007963.D\data.ms (-22)



#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 41

Delta R.T. -0.000 min

Lab File: VY007963.D

Acq: 21 Mar 2022 18:33

Instrument :

MSVOA_Y

ClientSampleId :

G-6-4-6-7

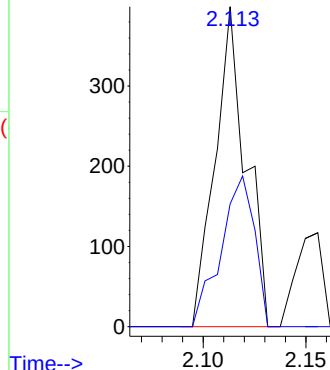
Tgt Ion: 50 Resp: 416

Ion Ratio Lower Upper

50 100

52 38.3 24.6 37.0#

Abundance



#4

Vinyl Chloride

Concen: Below Cal

RT: 2.265 min Scan# 73

Delta R.T. 0.012 min

Lab File: VY007963.D

Acq: 21 Mar 2022 18:33

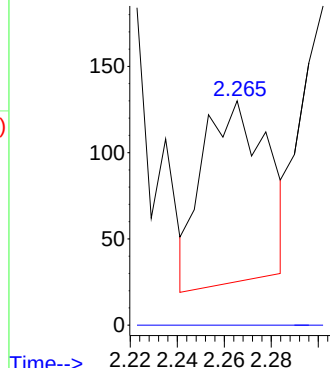
Tgt Ion: 62 Resp: 201

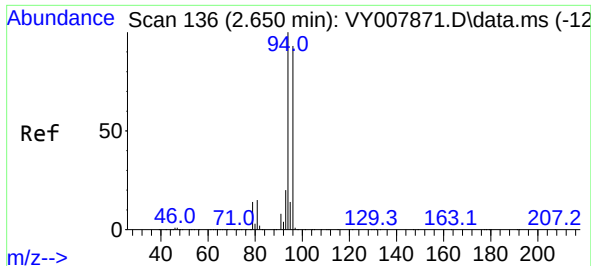
Ion Ratio Lower Upper

62 100

64 0.0 25.0 37.6#

Abundance

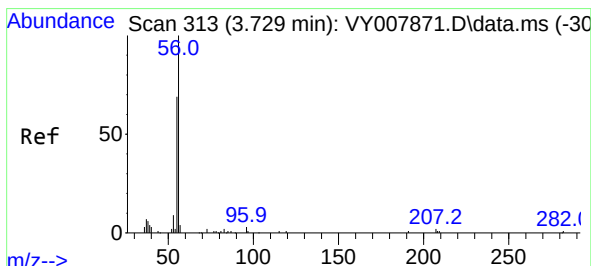
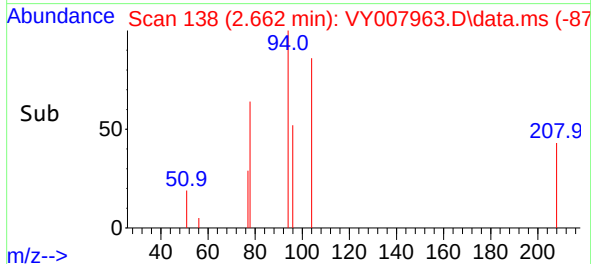
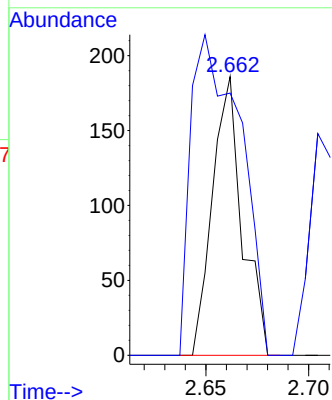
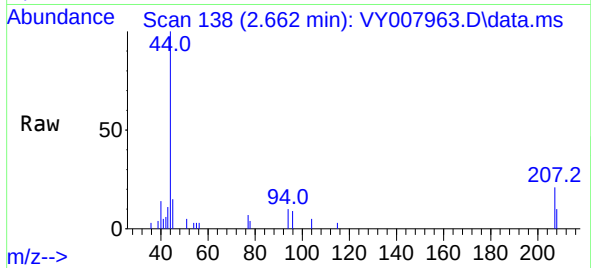




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY007963.D
Acq: 21 Mar 2022 18:33

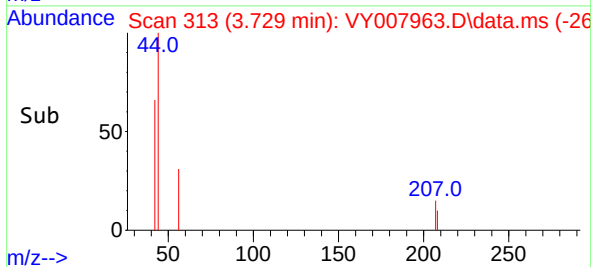
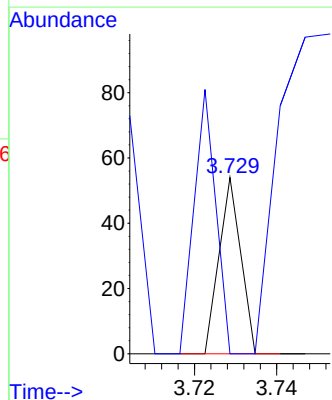
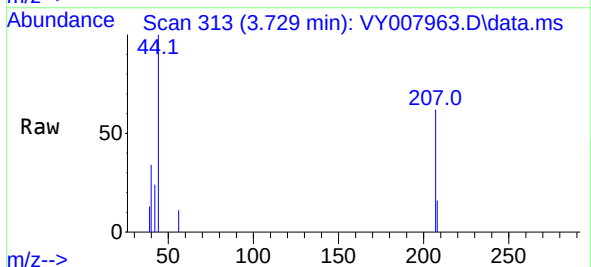
Instrument :
MSVOA_Y
ClientSampleId :
G-6-4-6-7

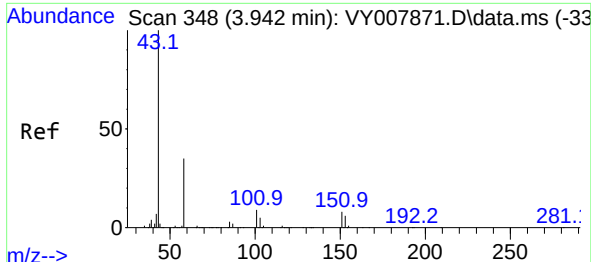
Tgt Ion: 94 Resp: 187
Ion Ratio Lower Upper
94 100
96 94.1 73.5 110.3



#13
Acrolein
Concen: 1.980 ug/l
RT: 3.729 min Scan# 313
Delta R.T. -0.000 min
Lab File: VY007963.D
Acq: 21 Mar 2022 18:33

Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 150.0 57.6 86.4#





#16

Acetone

Concen: 16.448 ug/l

RT: 3.936 min Scan# 34

Delta R.T. -0.006 min

Lab File: VY007963.D

Acq: 21 Mar 2022 18:33

Instrument :

MSVOA_Y

ClientSampleId :

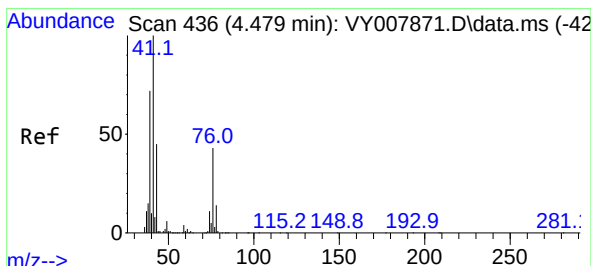
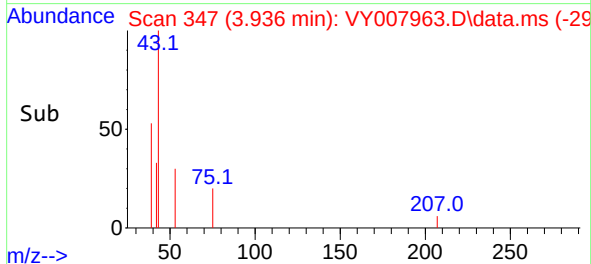
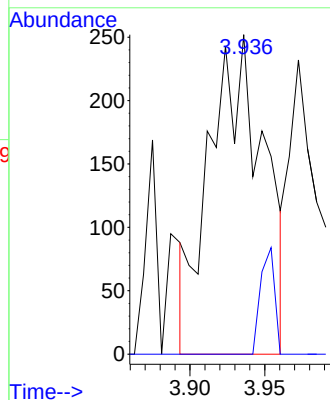
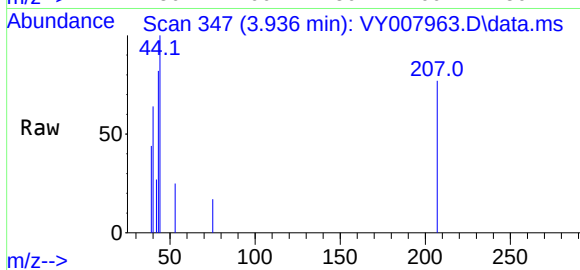
G-6-4-6-7

Tgt Ion: 43 Resp: 628

Ion Ratio Lower Upper

43 100

58 0.0 22.0 33.0#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.448 min Scan# 431

Delta R.T. -0.025 min

Lab File: VY007963.D

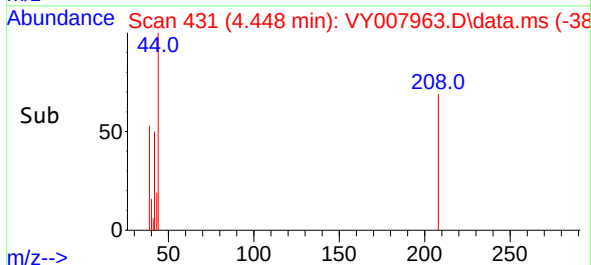
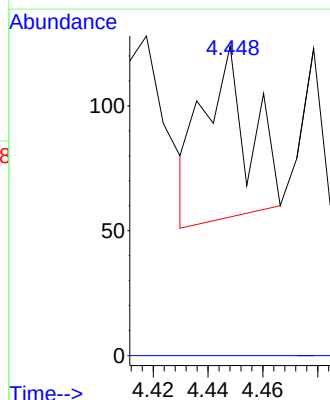
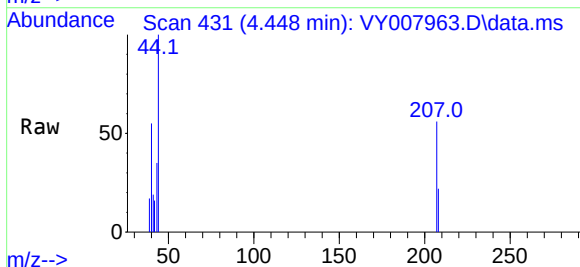
Acq: 21 Mar 2022 18:33

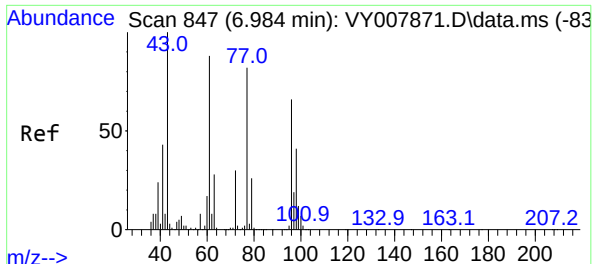
Tgt Ion: 43 Resp: 80

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#





#25

2-Butanone

Concen: 3.238 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY007963.D

Acq: 21 Mar 2022 18:33

Instrument :

MSVOA_Y

ClientSampleId :

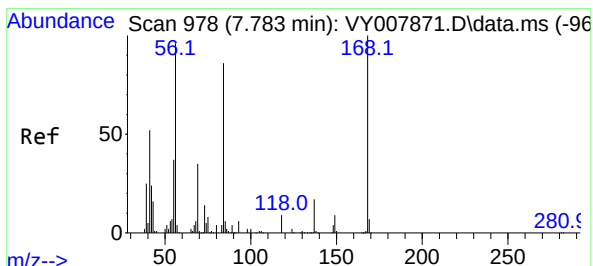
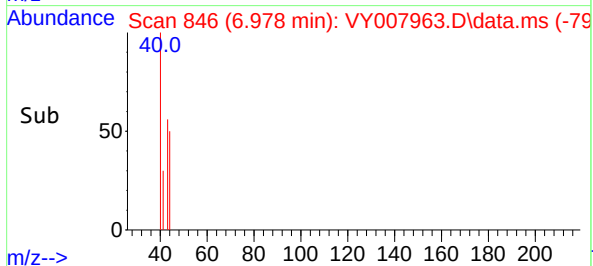
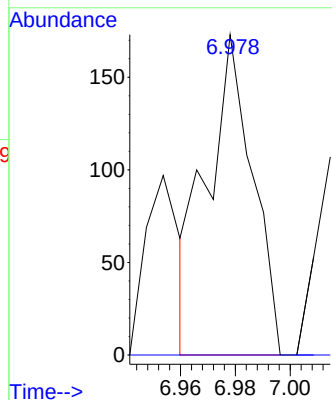
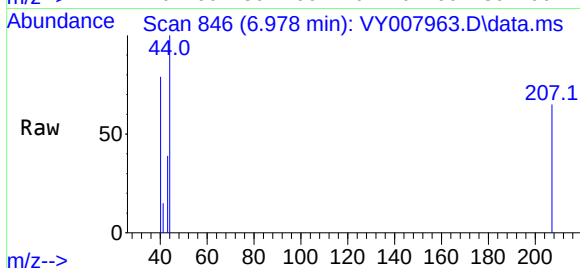
G-6-4-6-7

Tgt Ion: 43 Resp: 198

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#31

Cyclohexane

Concen: Below Cal

RT: 7.777 min Scan# 977

Delta R.T. -0.006 min

Lab File: VY007963.D

Acq: 21 Mar 2022 18:33

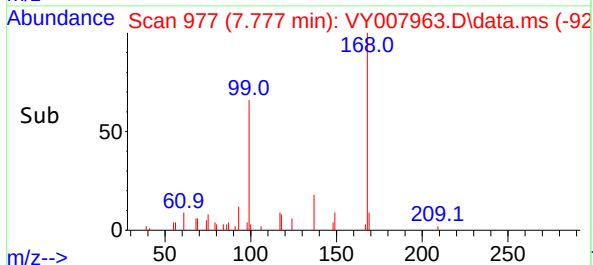
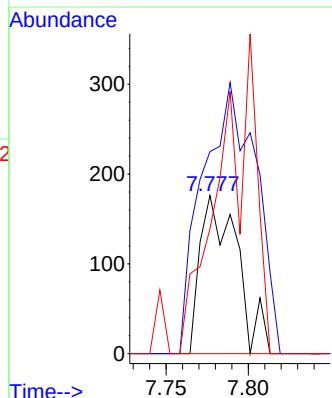
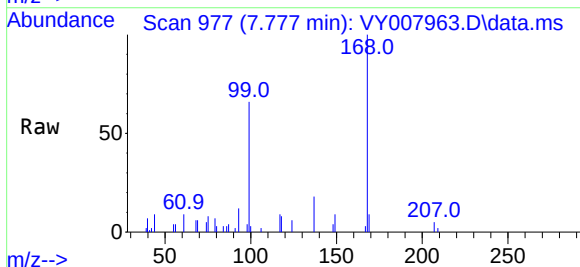
Tgt Ion: 56 Resp: 276

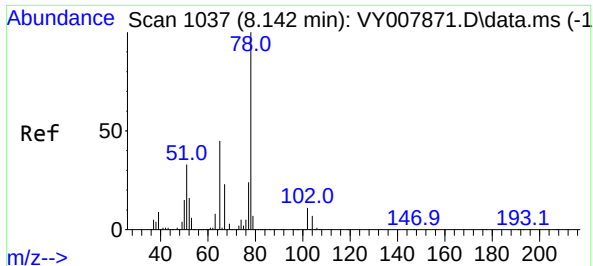
Ion Ratio Lower Upper

56 100

69 127.8 26.7 40.1#

84 79.0 67.2 100.8





#33

1,2-Dichloroethane-d4

Concen: 66.215 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VY007963.D

Acq: 21 Mar 2022 18:33

Instrument :

MSVOA_Y

ClientSampleId :

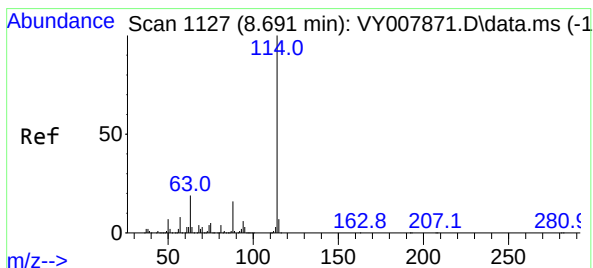
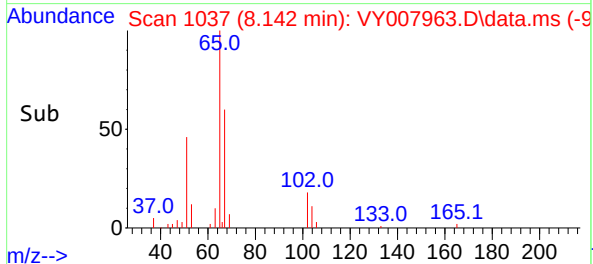
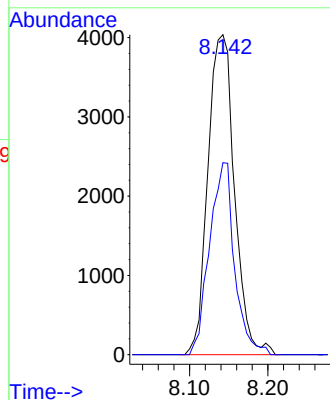
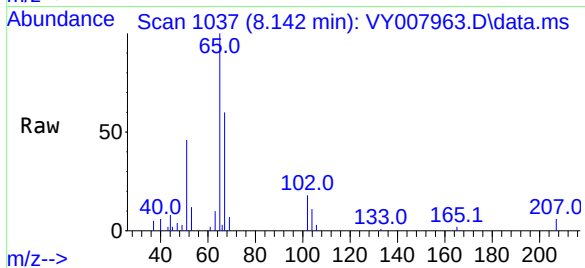
G-6-4-6-7

Tgt Ion: 65 Resp: 9530

Ion Ratio Lower Upper

65 100

67 56.5 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: VY007963.D

Acq: 21 Mar 2022 18:33

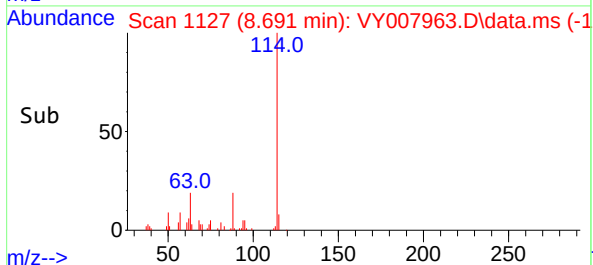
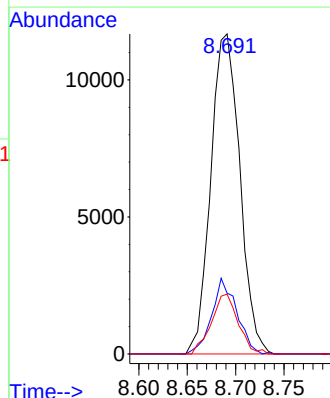
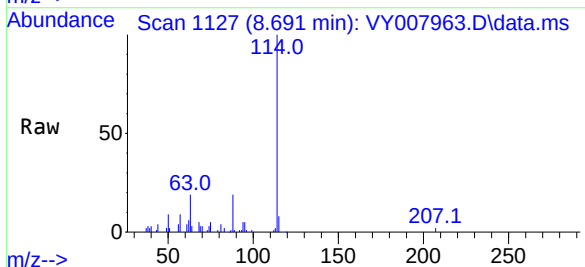
Tgt Ion: 114 Resp: 24377

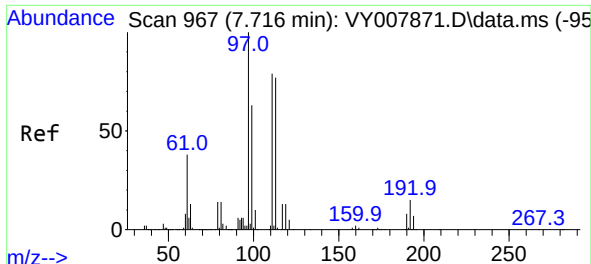
Ion Ratio Lower Upper

114 100

63 19.0 0.0 43.2

88 18.7 0.0 31.8

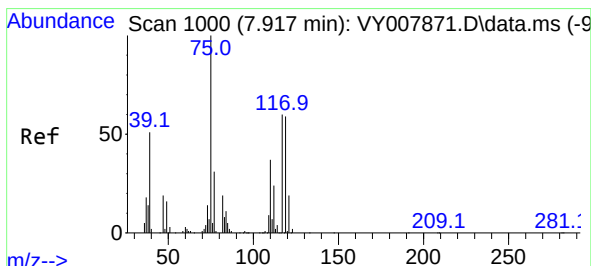
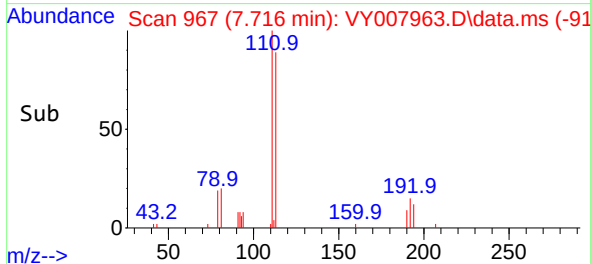
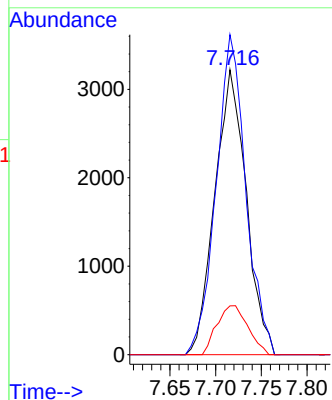
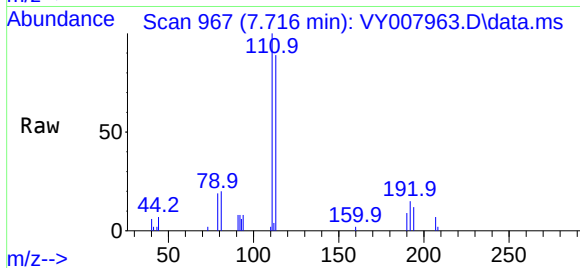




#35
Dibromofluoromethane
Concen: 44.872 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007963.D
Acq: 21 Mar 2022 18:33

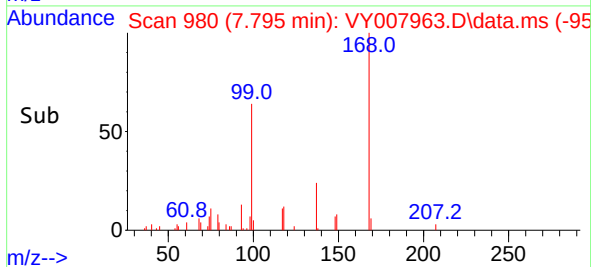
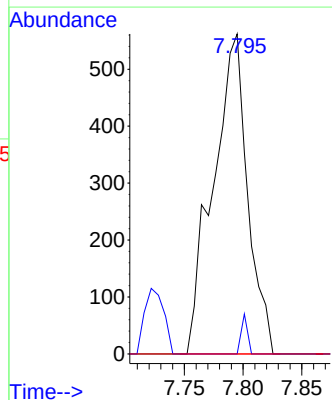
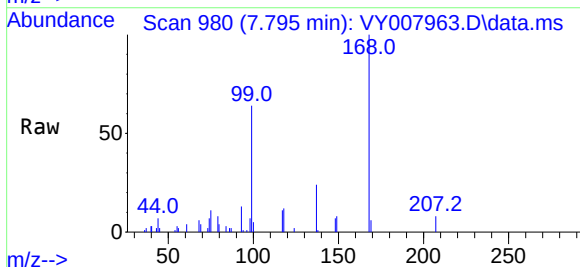
Instrument :
MSVOA_Y
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G-6-4-6-7

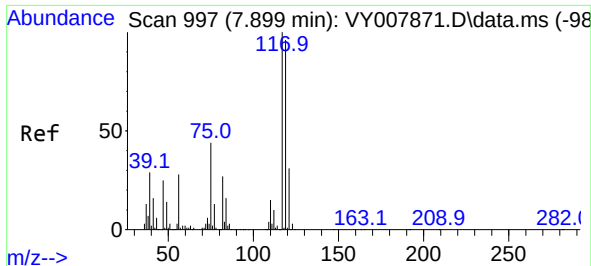
Tgt Ion:113 Resp: 7682
Ion Ratio Lower Upper
113 100
111 106.2 82.6 124.0
192 17.0 17.6 26.4#



#36
1,1-Dichloropropene
Concen: 4.529 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY007963.D
Acq: 21 Mar 2022 18:33

Tgt Ion: 75 Resp: 1150
Ion Ratio Lower Upper
75 100
110 2.3 17.1 51.2#
77 0.0 24.4 36.6#

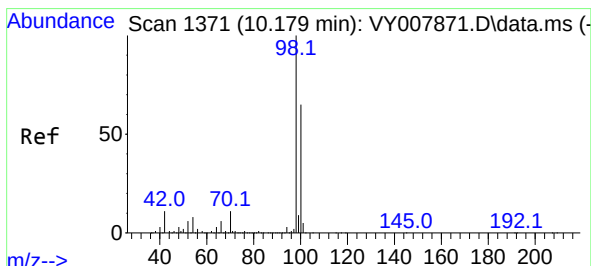
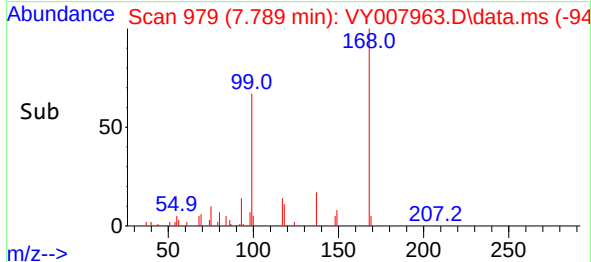
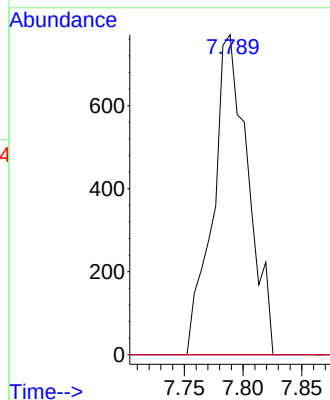
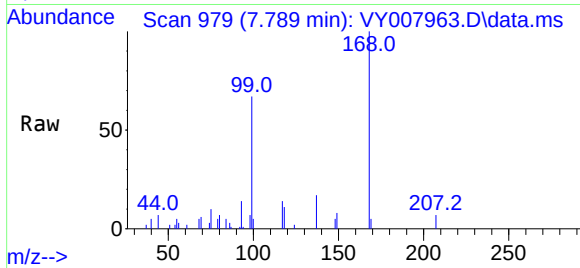




#38
Carbon Tetrachloride
Concen: 5.908 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY007963.D
Acq: 21 Mar 2022 18:33

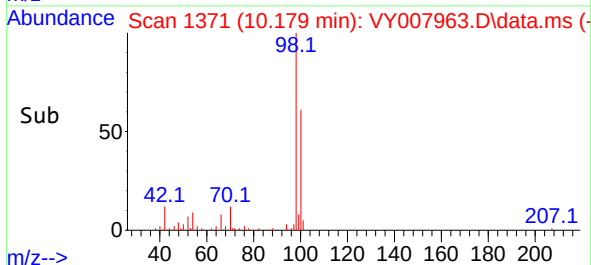
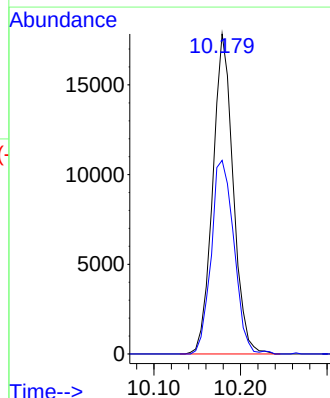
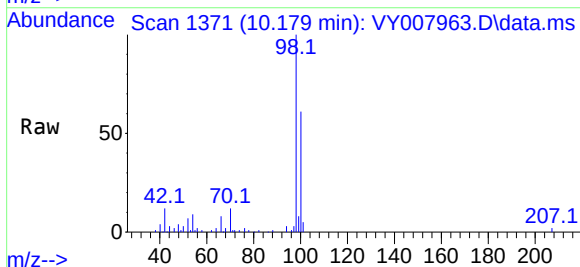
Instrument :
MSVOA_Y
ClientSampleId :
G-6-4-6-7

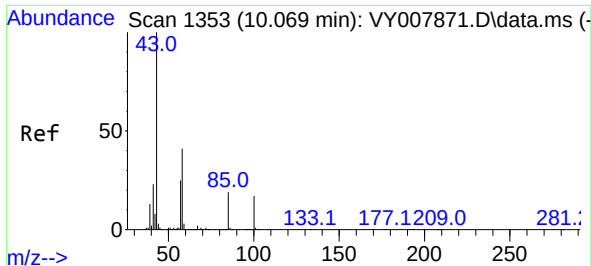
Tgt Ion:117 Resp: 1603
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 57.440 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007963.D
Acq: 21 Mar 2022 18:33

Tgt Ion: 98 Resp: 29239
Ion Ratio Lower Upper
98 100
100 67.5 50.2 75.2

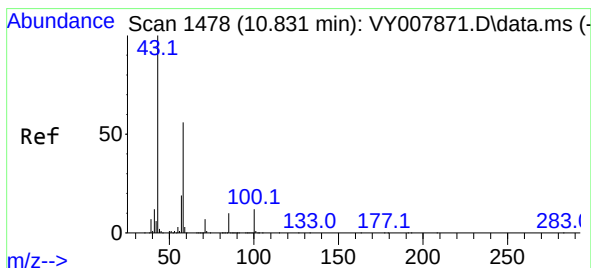
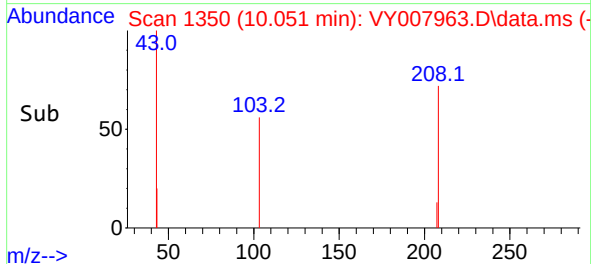
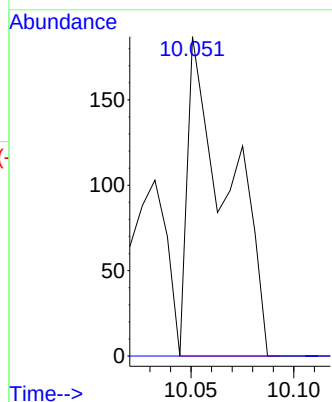
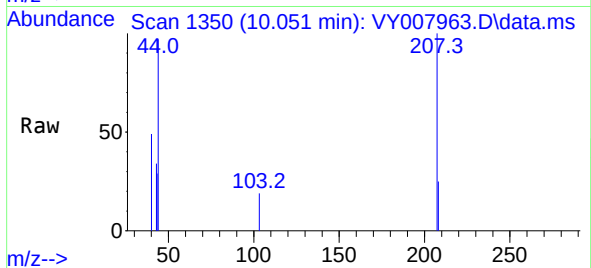




#51
4-Methyl-2-Pentanone
Concen: 1.627 ug/l
RT: 10.051 min Scan# 11
Delta R.T. -0.018 min
Lab File: VY007963.D
Acq: 21 Mar 2022 18:33

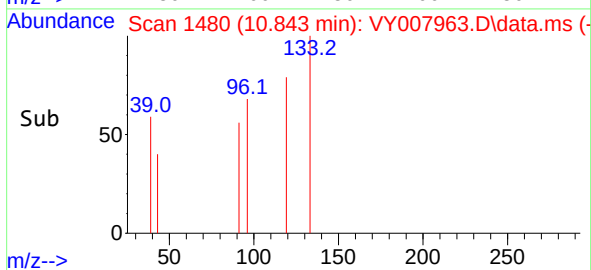
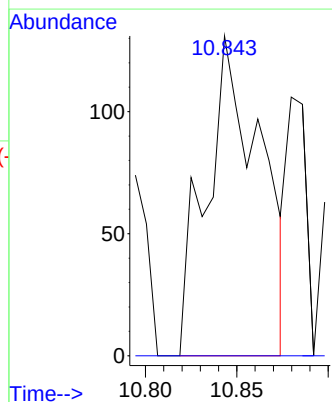
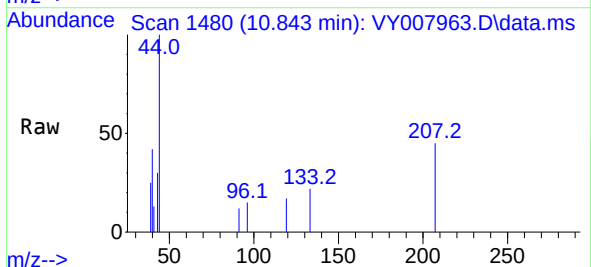
Instrument :
MSVOA_Y
ClientSampleId :
G-6-4-6-7

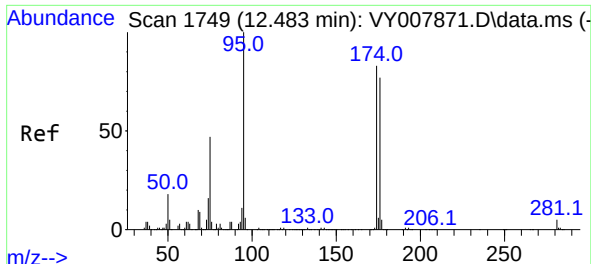
Tgt Ion: 43 Resp: 256
Ion Ratio Lower Upper
43 100
58 0.0 28.1 42.1#



#59
2-Hexanone
Concen: 2.408 ug/l
RT: 10.843 min Scan# 1480
Delta R.T. 0.012 min
Lab File: VY007963.D
Acq: 21 Mar 2022 18:33

Tgt Ion: 43 Resp: 271
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#

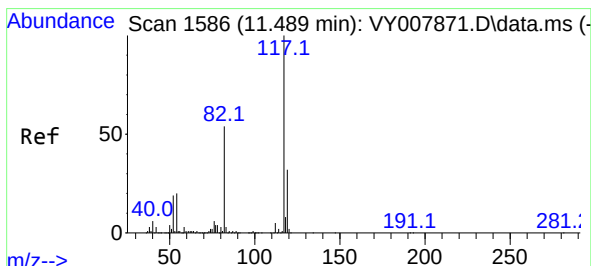
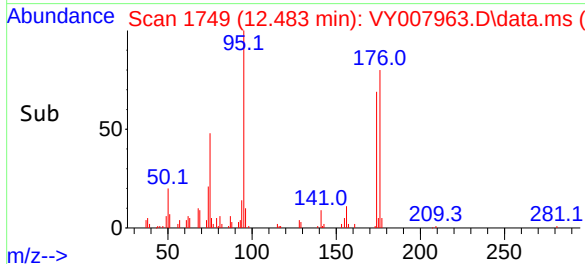
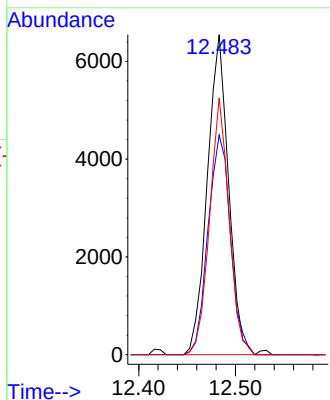
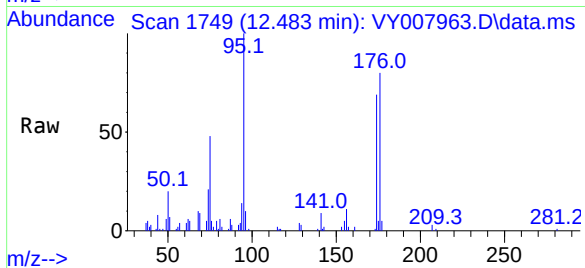




#62
4-Bromofluorobenzene
Concen: 40.696 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007963.D
Acq: 21 Mar 2022 18:33

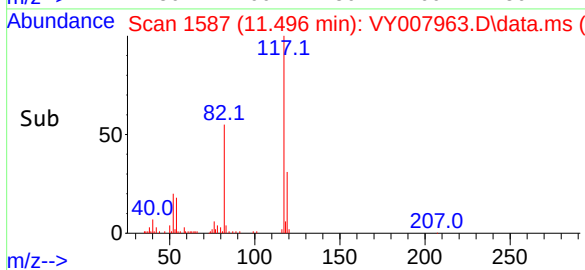
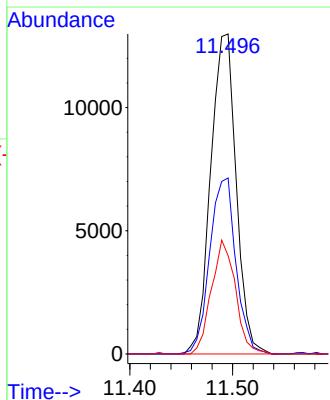
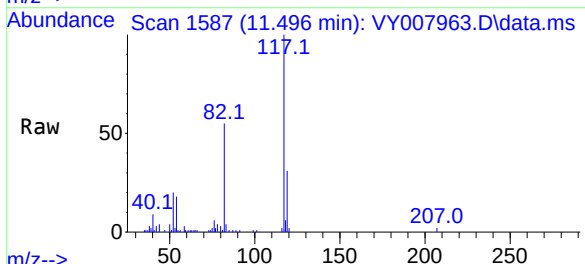
Instrument :
MSVOA_Y
ClientSampleId :
G-6-4-6-7

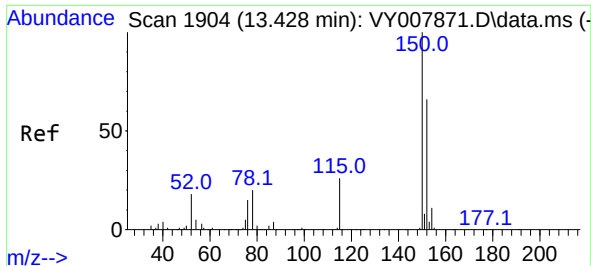
Tgt Ion: 95 Resp: 9999
Ion Ratio Lower Upper
95 100
174 72.2 0.0 177.0
176 73.7 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY007963.D
Acq: 21 Mar 2022 18:33

Tgt Ion: 117 Resp: 22333
Ion Ratio Lower Upper
117 100
82 55.0 43.0 64.4
119 30.7 25.4 38.0

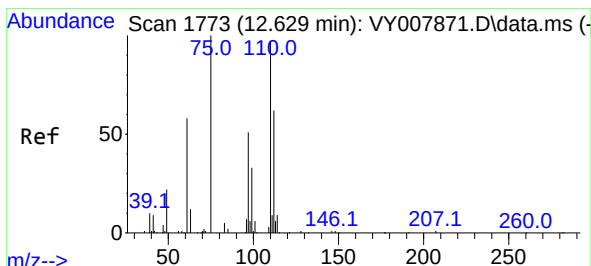
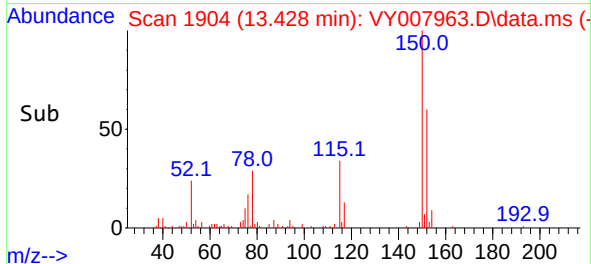
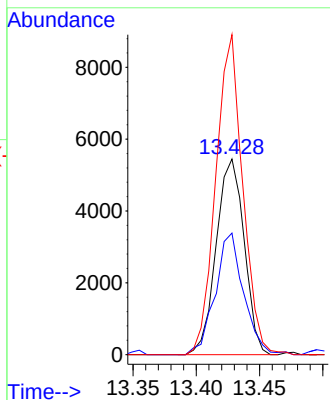
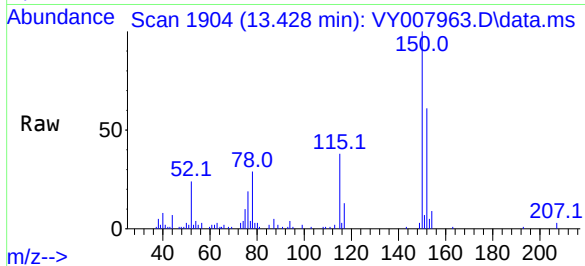




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY007963.D
Acq: 21 Mar 2022 18:33

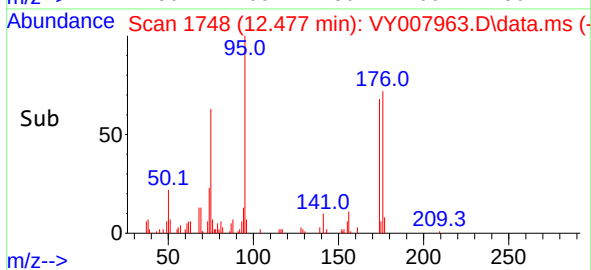
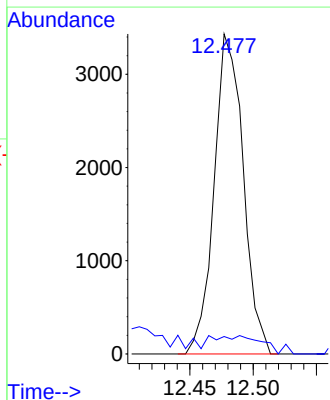
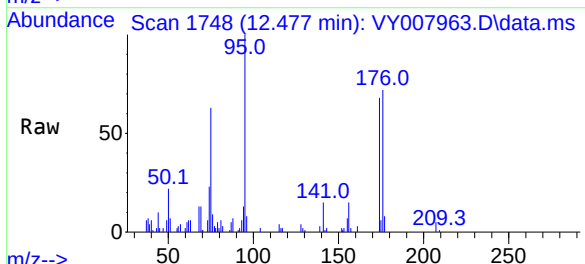
Instrument :
MSVOA_Y
ClientSampleId :
G-6-4-6-7

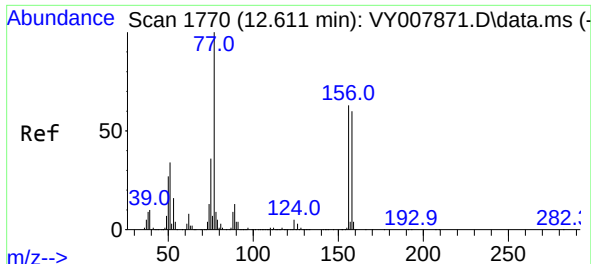
Tgt Ion:152 Resp: 8372
Ion Ratio Lower Upper
152 100
115 63.3 28.2 84.7
150 157.8 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 45.907 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY007963.D
Acq: 21 Mar 2022 18:33

Tgt Ion: 75 Resp: 5478
Ion Ratio Lower Upper
75 100
77 10.4 0.0 0.0#

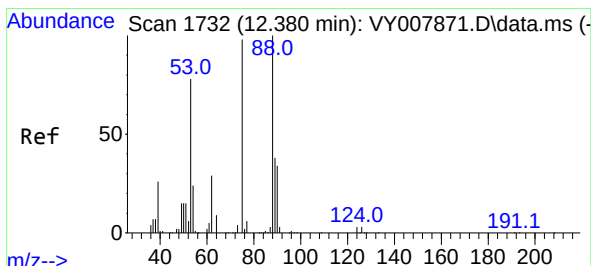
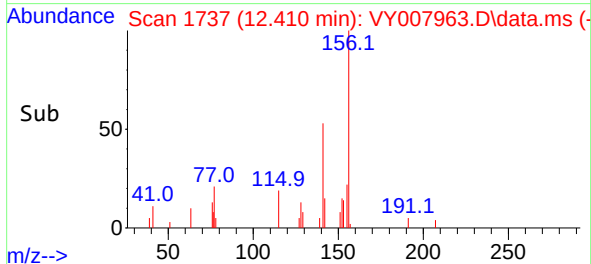
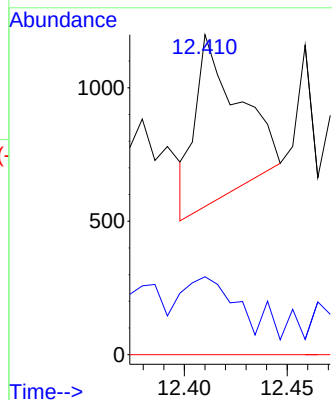
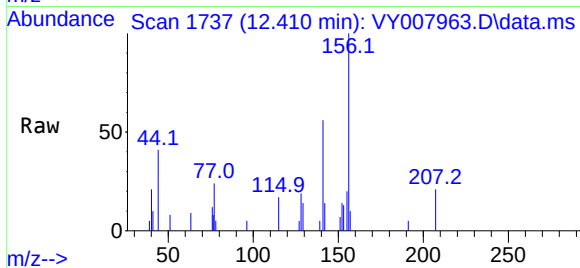




#77
Bromobenzene
Concen: 5.564 ug/l
RT: 12.410 min Scan# 11
Delta R.T. -0.201 min
Lab File: VY007963.D
Acq: 21 Mar 2022 18:33

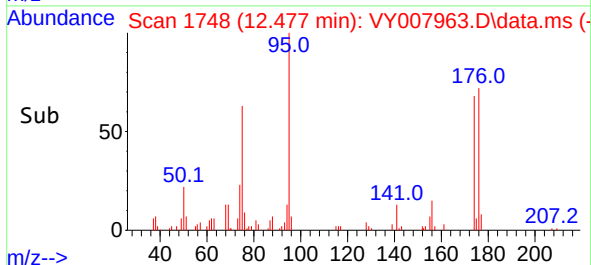
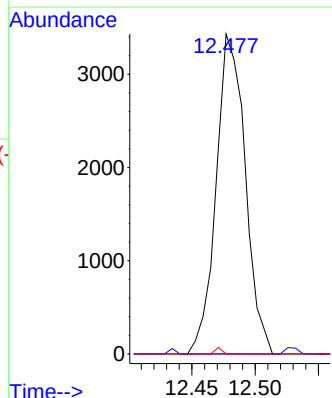
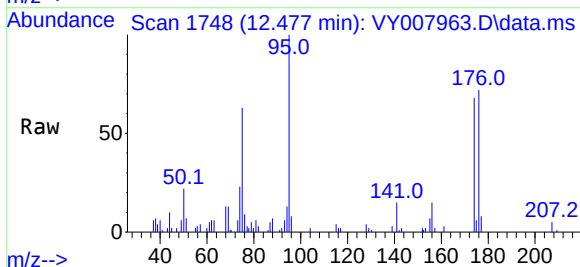
Instrument :
MSVOA_Y
ClientSampleId :
G-6-4-6-7

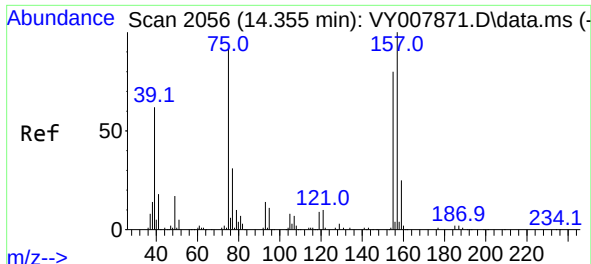
Tgt Ion:156 Resp: 937
Ion Ratio Lower Upper
156 100
77 59.4 95.5 286.4#
158 0.0 48.0 144.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.423 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY007963.D
Acq: 21 Mar 2022 18:33

Tgt Ion: 75 Resp: 5478
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.5 37.0 55.4#

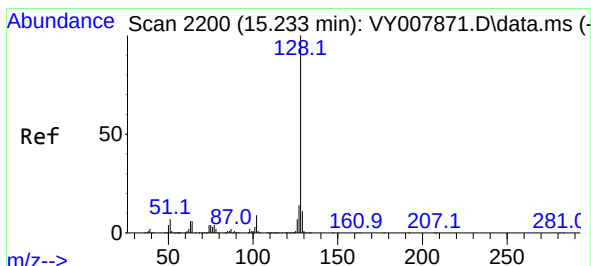
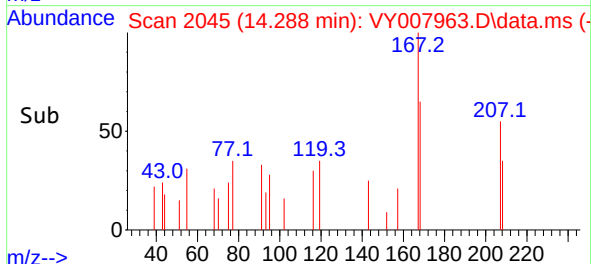
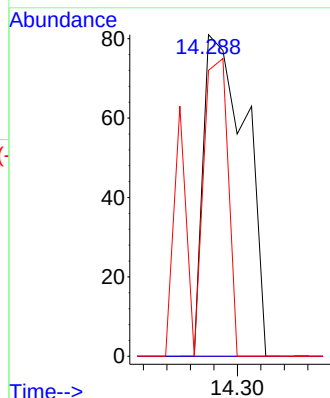
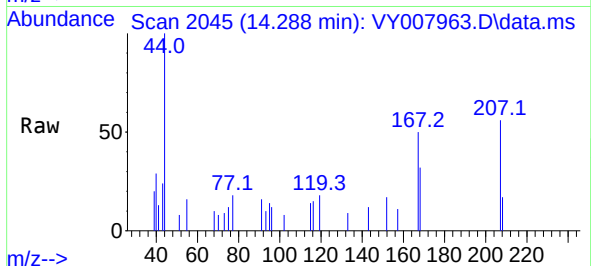




#92
1,2-Dibromo-3-Chloropropane
Concen: 3.701 ug/l
RT: 14.288 min Scan# 2056
Delta R.T. -0.067 min
Lab File: VY007963.D
Acq: 21 Mar 2022 18:33

Instrument :
MSVOA_Y
ClientSampleId :
G-6-4-6-7

Tgt Ion: 75 Resp: 101
Ion Ratio Lower Upper
75 100
155 0.0 38.0 113.9#
157 76.2 47.8 143.3



#95
Naphthalene
Concen: 10.639 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY007963.D
Acq: 21 Mar 2022 18:33

Tgt Ion: 128 Resp: 4439
Ion Ratio Lower Upper
128 100
127 14.0 11.0 16.4
129 14.8 8.4 12.6#

