

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051922\
 Data File : VY008866.D
 Acq On : 19 May 2022 14:37
 Operator : KP/MD
 Sample : N2832-07RE
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB09

Quant Time: May 19 16:59:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 07:32:50 2022
 Response via : Initial Calibration

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

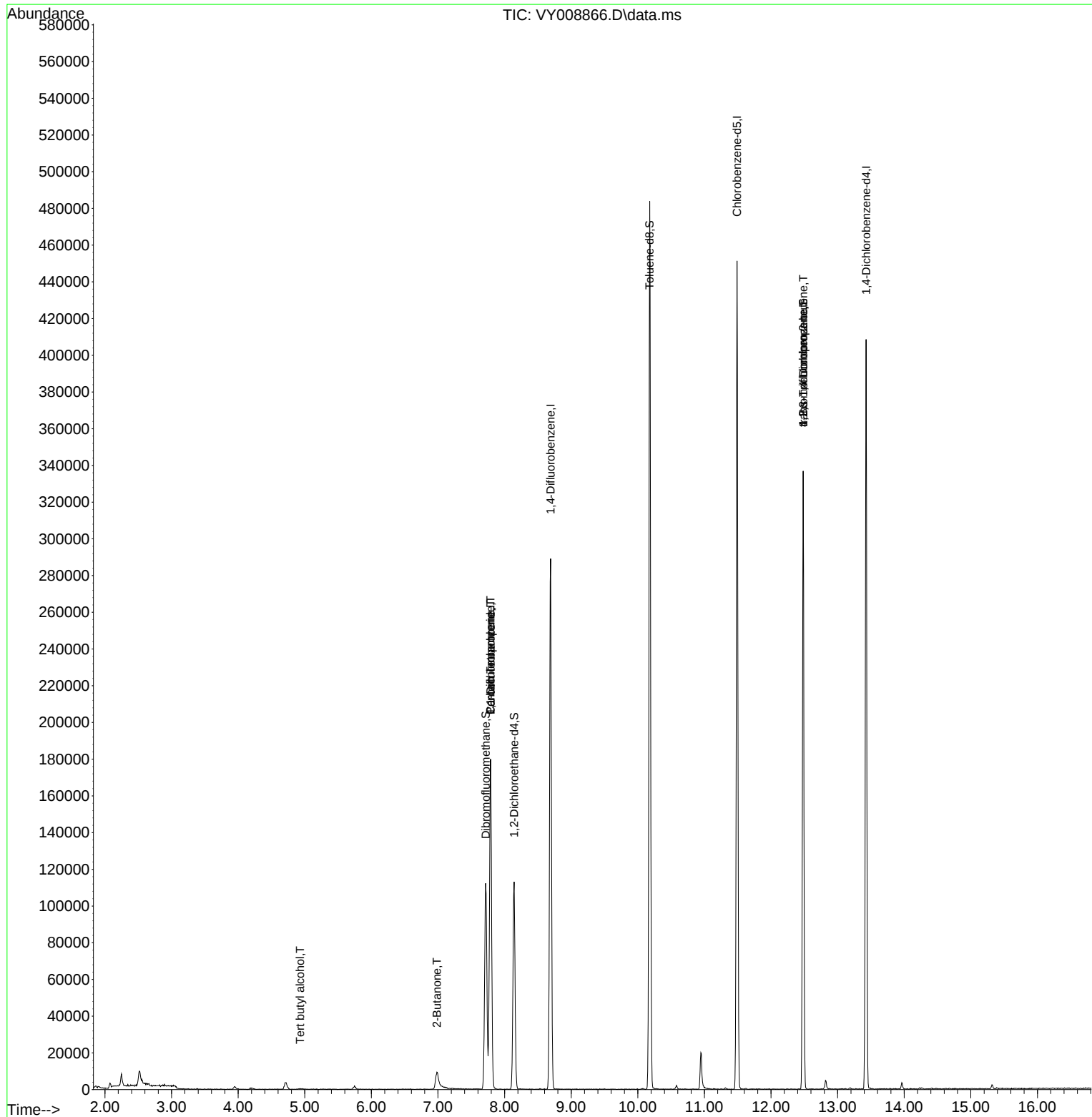
Internal Standards						
1) Pentafluorobenzene	7.789	168	135267	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	240768	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	232064	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	96612	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	84505	67.341	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	134.680%
35) Dibromofluoromethane	7.716	113	77631	55.184	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.360%
50) Toluene-d8	10.179	98	307826	49.278	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.560%
62) 4-Bromofluorobenzene	12.483	95	87255	39.862	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	79.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	610	Below Cal		94
3) Chloromethane	2.113	50	135	Below Cal	#	50
4) Vinyl Chloride	2.229	62	46	Below Cal	#	43
5) Bromomethane	2.662	94	89	Below Cal	#	33
6) Chloroethane	2.778	64	28	Below Cal	#	43
7) Trichlorofluoromethane	3.125	101	82	Below Cal	#	69
11) Tert butyl alcohol	4.930	59	327	2.358 ug/l	#	77
16) Acetone	3.948	43	2630	Below Cal		97
18) Methyl Acetate	4.478	43	59	Below Cal	#	56
20) Methylene Chloride	4.722	84	2717	Below Cal	#	84
25) 2-Butanone	6.984	43	647	1.229 ug/l	#	54
31) Cyclohexane	7.789	56	3141	Below Cal	#	17
36) 1,1-Dichloropropene	7.789	75	11611	5.153 ug/l	#	50
38) Carbon Tetrachloride	7.789	117	14062	5.824 ug/l	#	16
76) 1,2,3-Trichloropropane	12.483	75	49543	44.393 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	49543	97.100 ug/l	#	7

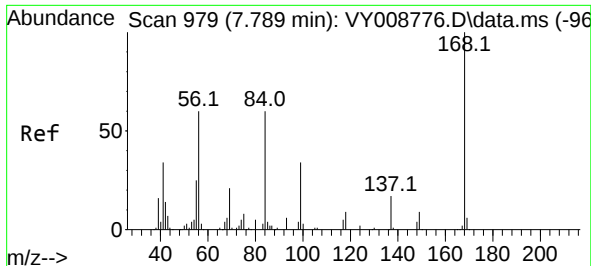
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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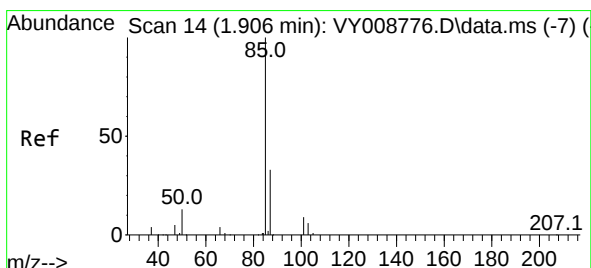
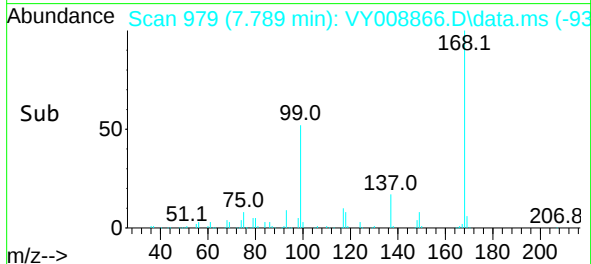
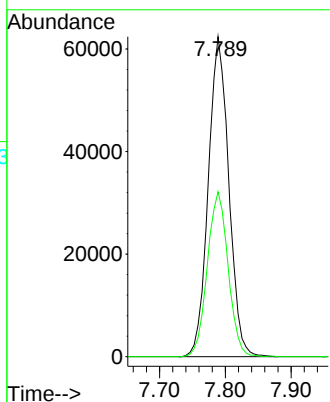
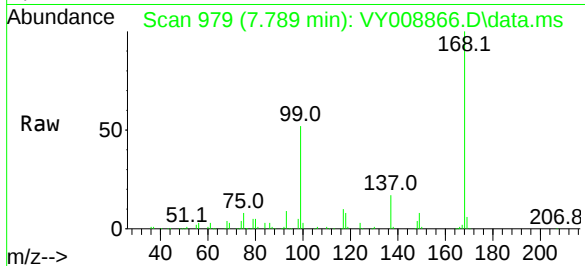




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008866.D
Acq: 19 May 2022 14:37

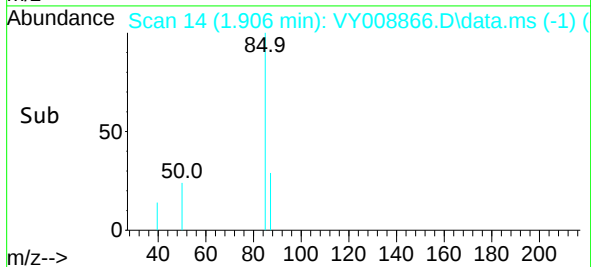
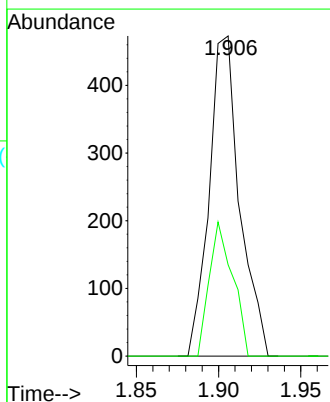
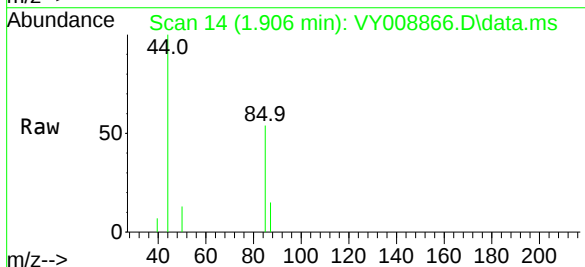
Instrument :
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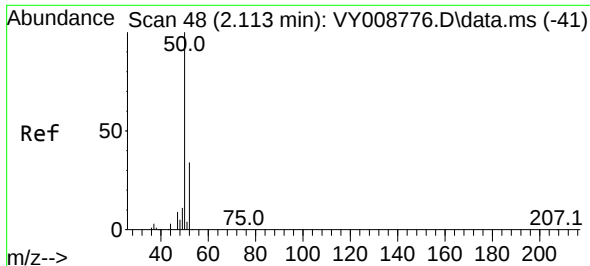
Tgt Ion:168 Resp: 135267
Ion Ratio Lower Upper
168 100
99 51.5 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY008866.D
Acq: 19 May 2022 14:37

Tgt Ion: 85 Resp: 610
Ion Ratio Lower Upper
85 100
87 28.5 16.1 48.2

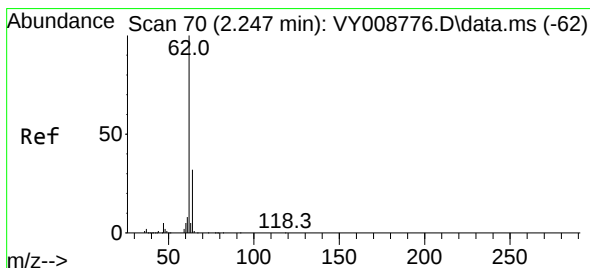
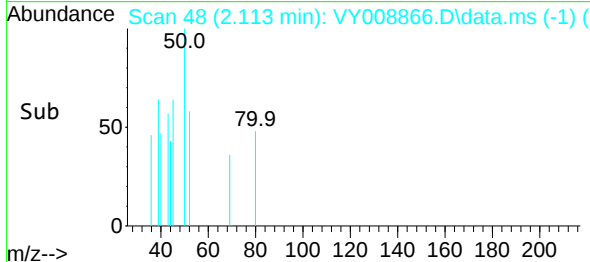
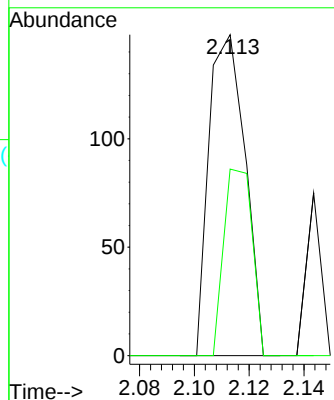
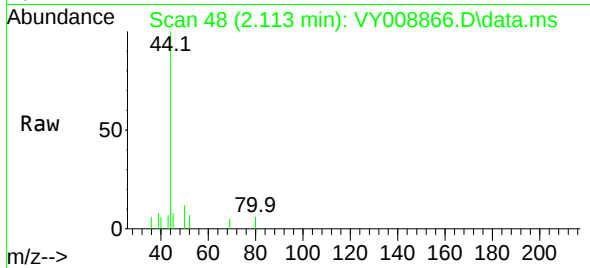




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY008866.D
Acq: 19 May 2022 14:37

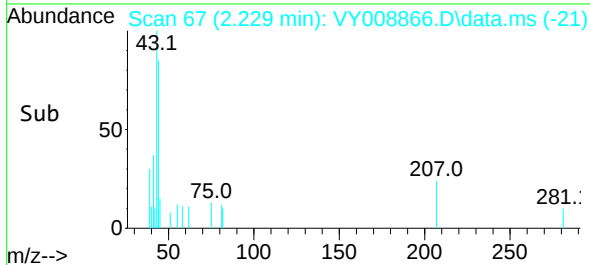
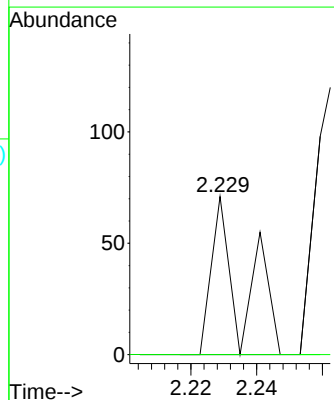
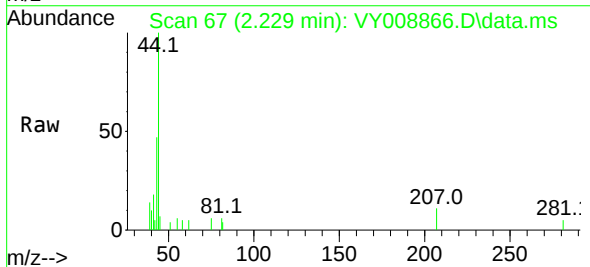
Instrument :
MSVOA_Y
ClientSampleId :
SB09

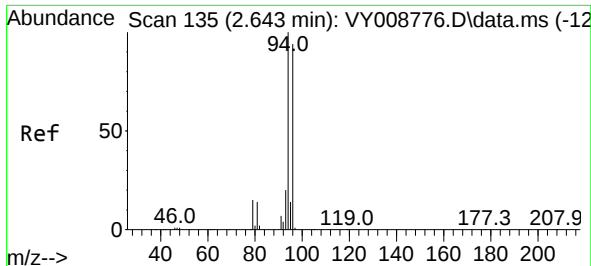
Tgt Ion: 50 Resp: 135
Ion Ratio Lower Upper
50 100
52 58.1 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.229 min Scan# 67
Delta R.T. -0.018 min
Lab File: VY008866.D
Acq: 19 May 2022 14:37

Tgt Ion: 62 Resp: 46
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

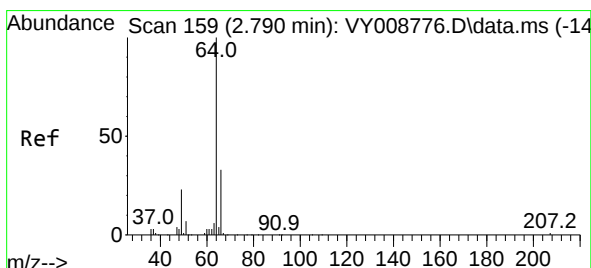
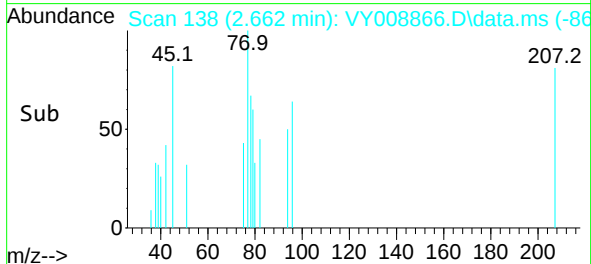
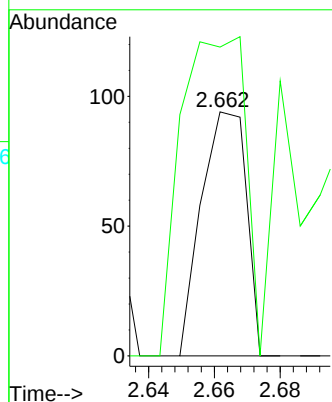
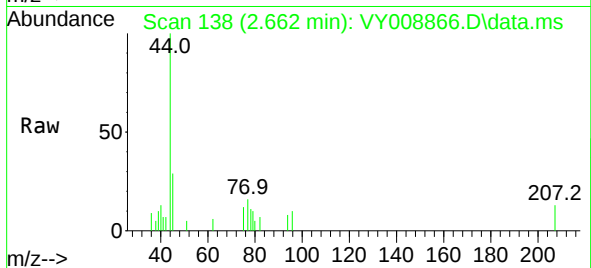




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.019 min
Lab File: VY008866.D
Acq: 19 May 2022 14:37

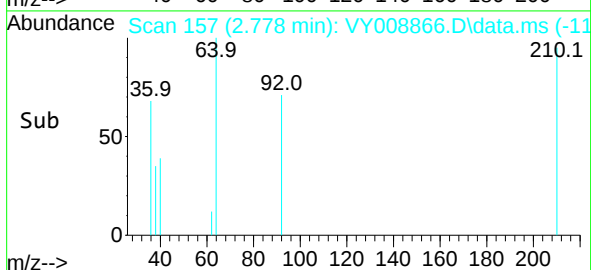
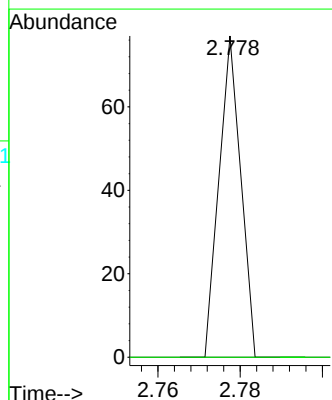
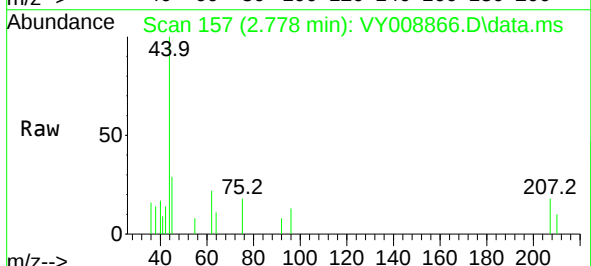
Instrument :
MSVOA_Y
ClientSampleId :
SB09

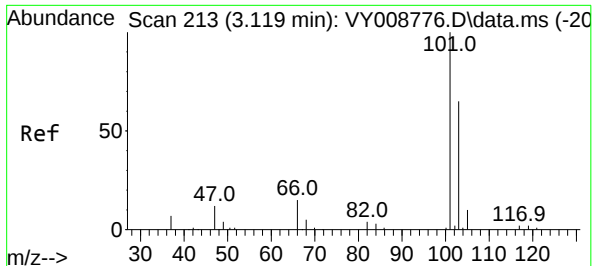
Tgt Ion: 94 Resp: 89
Ion Ratio Lower Upper
94 100
96 27.7 73.5 110.3#



#6
Chloroethane
Concen: Below Cal
RT: 2.778 min Scan# 157
Delta R.T. -0.012 min
Lab File: VY008866.D
Acq: 19 May 2022 14:37

Tgt Ion: 64 Resp: 28
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

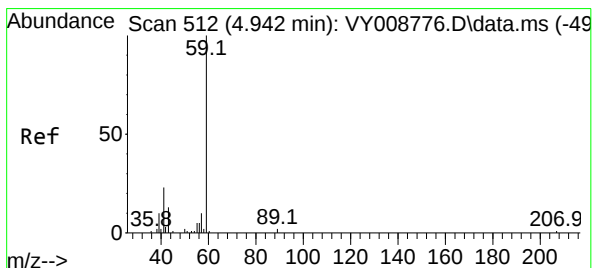
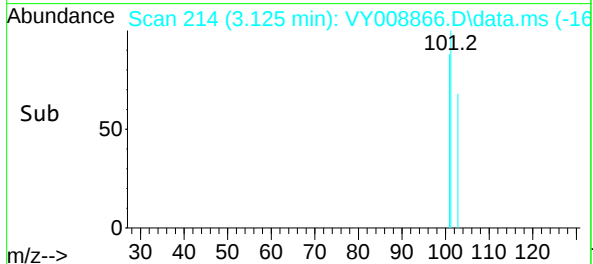
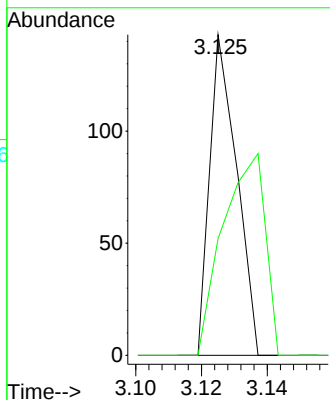
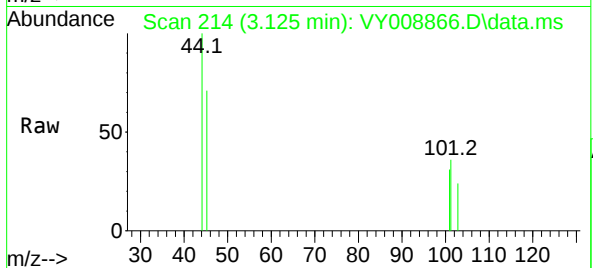




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.125 min Scan# 213
Delta R.T. 0.006 min
Lab File: VY008866.D
Acq: 19 May 2022 14:37

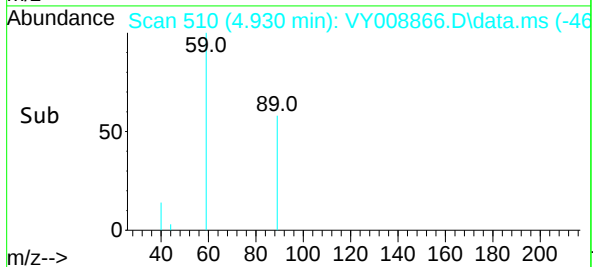
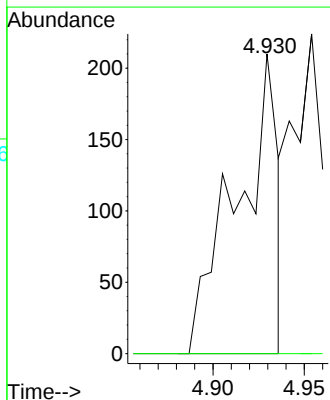
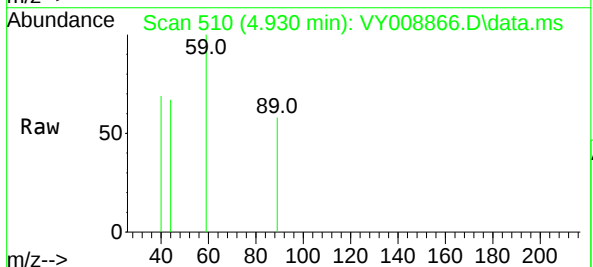
Instrument :
MSVOA_Y
ClientSampleId :
SB09

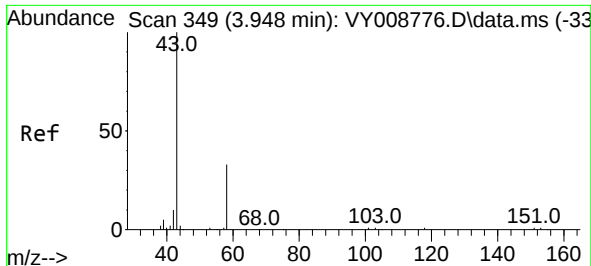
Tgt Ion:101 Resp: 82
Ion Ratio Lower Upper
101 100
103 36.4 48.0 72.0#



#11
Tert butyl alcohol
Concen: 2.358 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.012 min
Lab File: VY008866.D
Acq: 19 May 2022 14:37

Tgt Ion: 59 Resp: 327
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

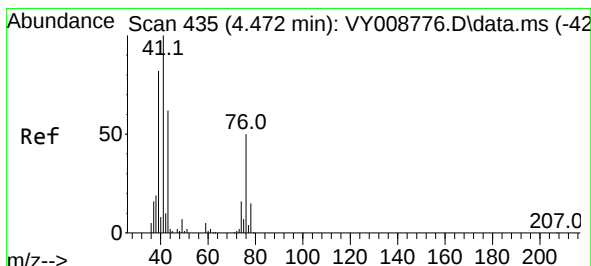
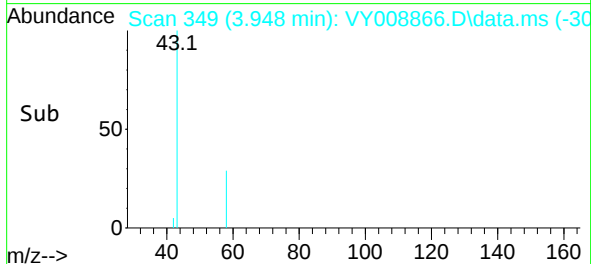
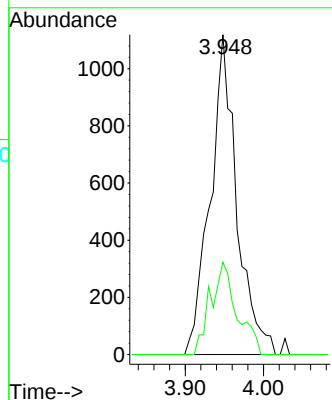
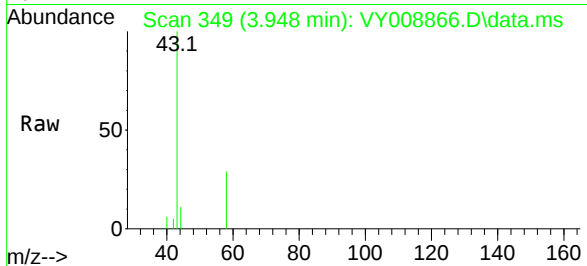




#16
Acetone
Concen: Below Cal
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY008866.D
Acq: 19 May 2022 14:37

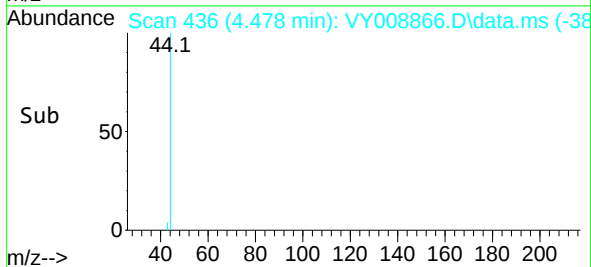
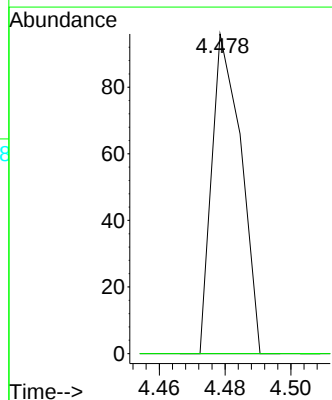
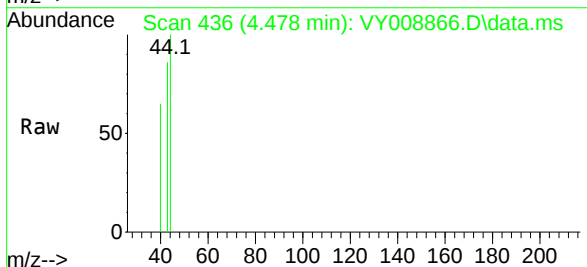
Instrument :
MSVOA_Y
ClientSampleId :
SB09

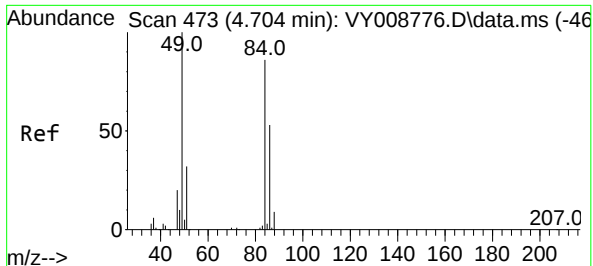
Tgt Ion: 43 Resp: 2630
Ion Ratio Lower Upper
43 100
58 28.9 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.478 min Scan# 436
Delta R.T. 0.006 min
Lab File: VY008866.D
Acq: 19 May 2022 14:37

Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.722 min Scan# 41

Delta R.T. 0.018 min

Lab File: VY008866.D

Acq: 19 May 2022 14:37

Instrument :

MSVOA_Y

ClientSampleId :

SB09

Tgt Ion: 84 Resp: 2717

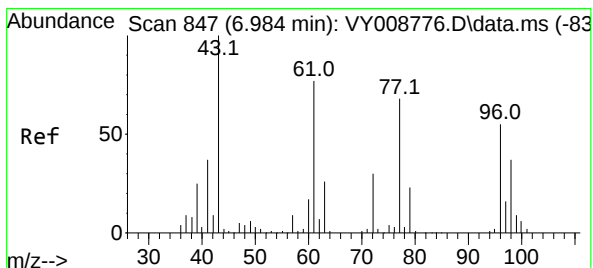
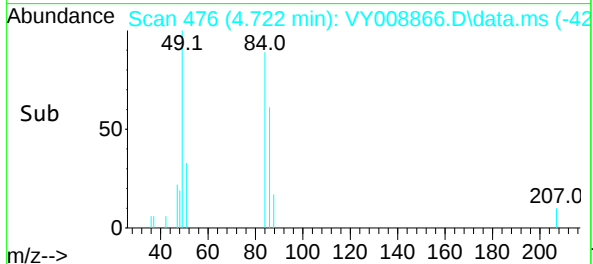
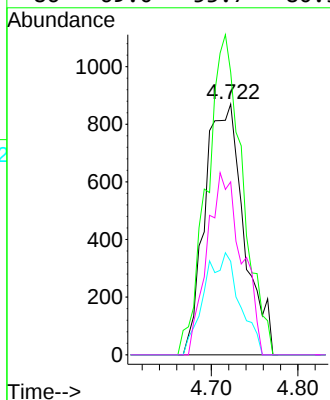
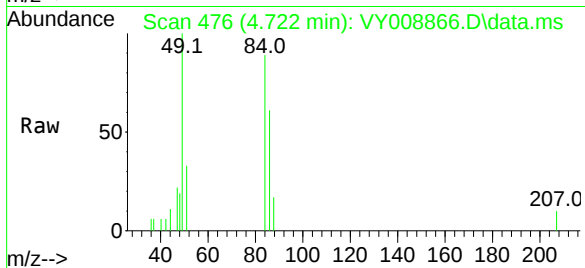
Ion Ratio Lower Upper

84 100

49 112.8 114.4 171.6#

51 37.2 35.3 52.9

86 69.0 53.7 80.5



#25

2-Butanone

Concen: 1.229 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY008866.D

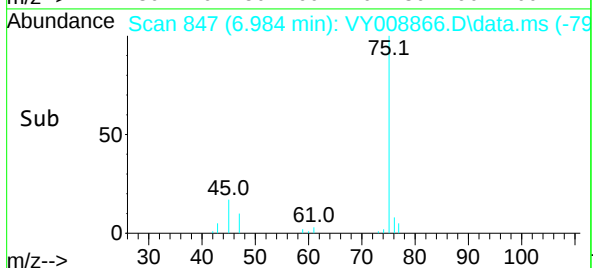
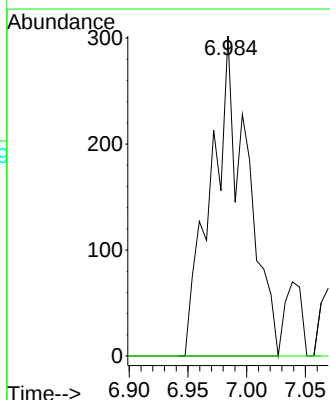
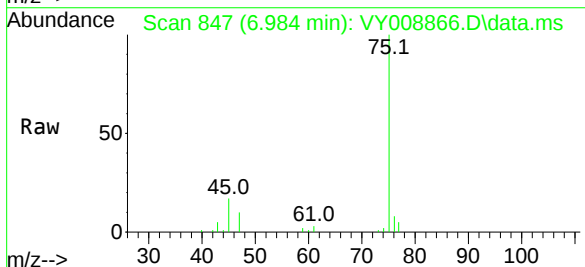
Acq: 19 May 2022 14:37

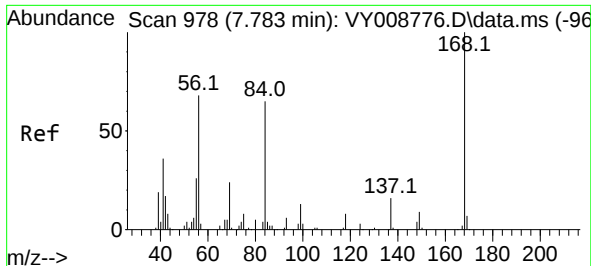
Tgt Ion: 43 Resp: 647

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#

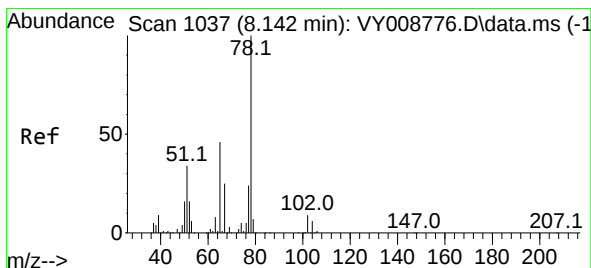
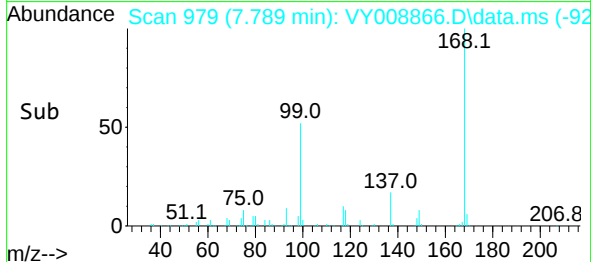
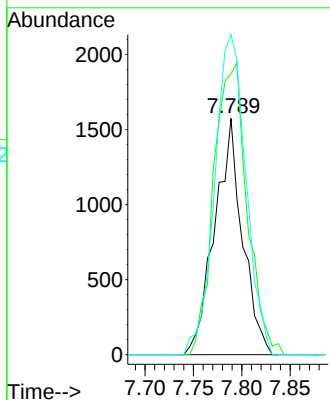
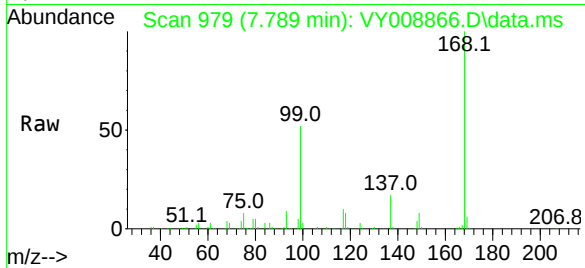




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008866.D
Acq: 19 May 2022 14:37

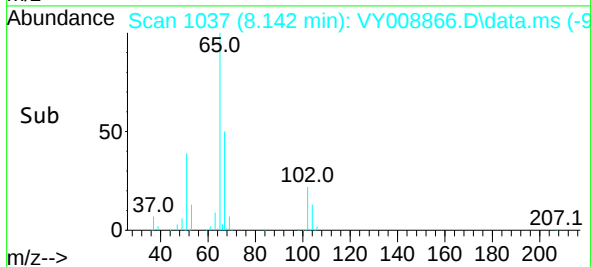
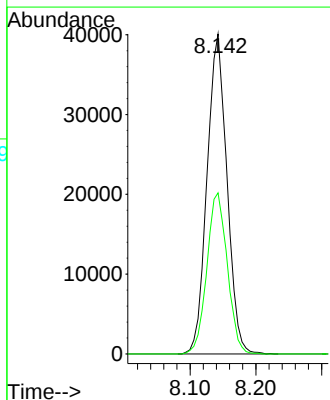
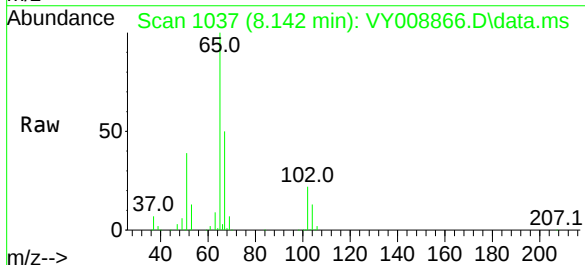
Instrument :
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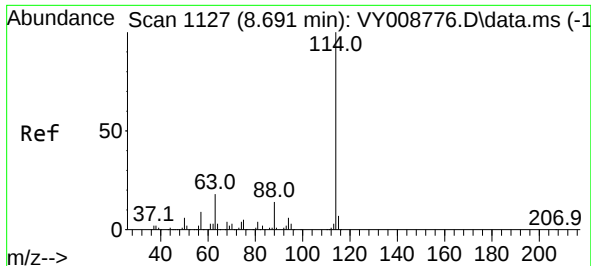
Tgt Ion: 56 Resp: 3141
Ion Ratio Lower Upper
56 100
69 118.8 26.7 40.1#
84 135.4 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 67.341 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY008866.D
Acq: 19 May 2022 14:37

Tgt Ion: 65 Resp: 84505
Ion Ratio Lower Upper
65 100
67 51.7 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: VY008866.D

Acq: 19 May 2022 14:37

Instrument :

MSVOA_Y

ClientSampleId :

SB09

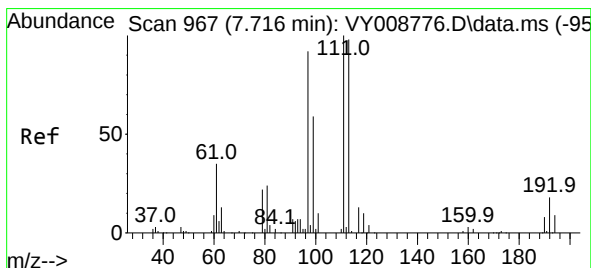
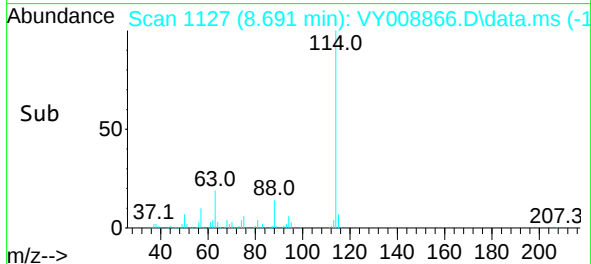
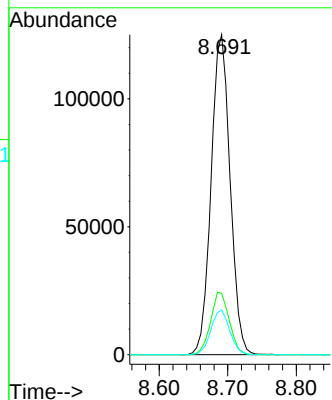
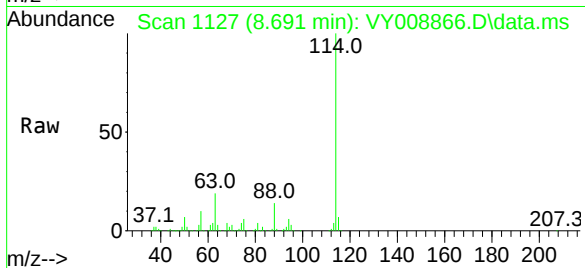
Tgt Ion:114 Resp: 240768

Ion Ratio Lower Upper

114 100

63 19.2 0.0 43.2

88 14.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 55.184 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY008866.D

Acq: 19 May 2022 14:37

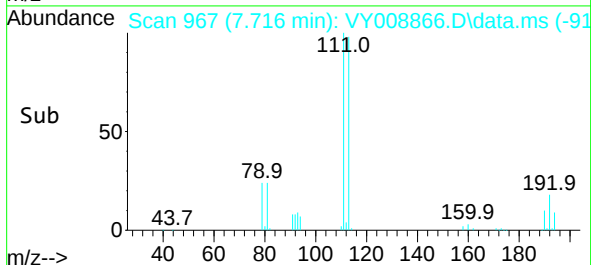
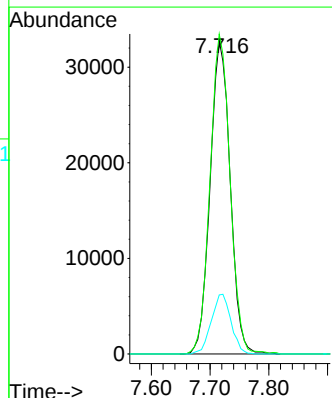
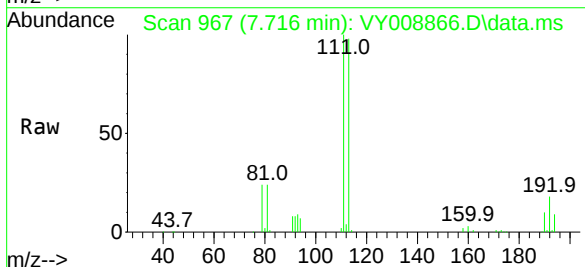
Tgt Ion:113 Resp: 77631

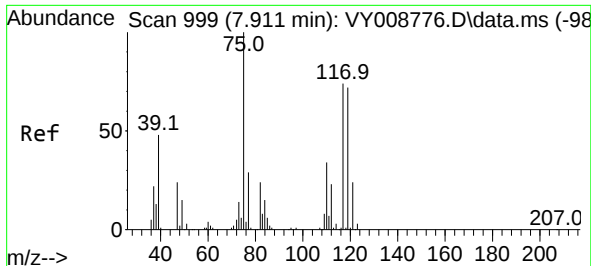
Ion Ratio Lower Upper

113 100

111 102.2 82.6 124.0

192 18.7 17.6 26.4

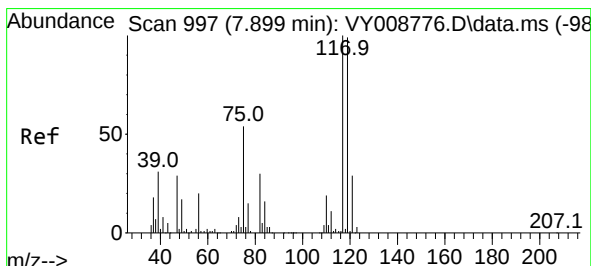
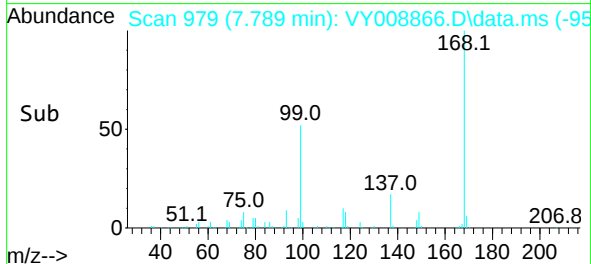
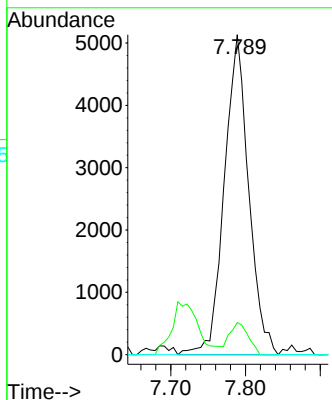
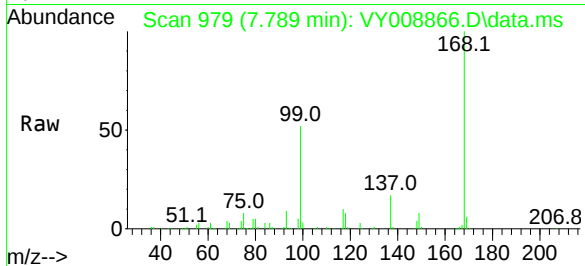




#36
 1,1-Dichloropropene
 Concen: 5.153 ug/l
 RT: 7.789 min Scan# 911
 Delta R.T. -0.122 min
 Lab File: VY008866.D
 Acq: 19 May 2022 14:37

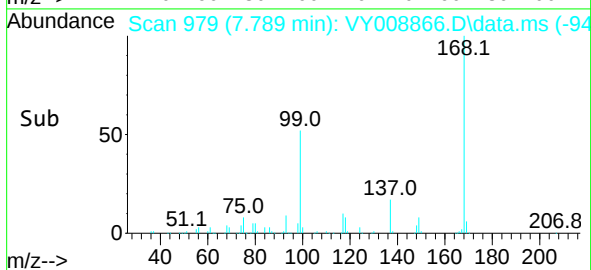
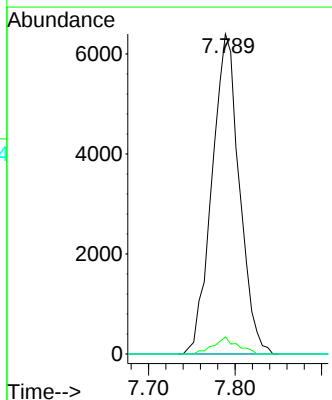
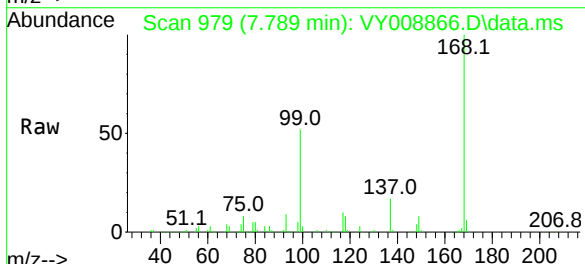
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB09

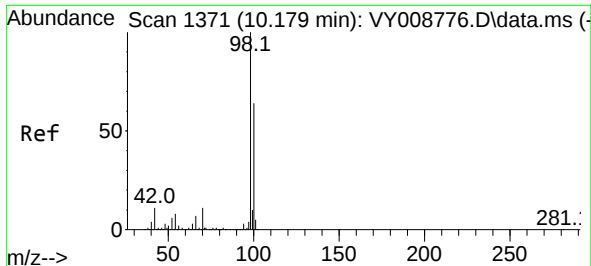
Tgt Ion: 75 Resp: 11611
 Ion Ratio Lower Upper
 75 100
 110 8.0 17.1 51.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.824 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.110 min
 Lab File: VY008866.D
 Acq: 19 May 2022 14:37

Tgt Ion: 117 Resp: 14062
 Ion Ratio Lower Upper
 117 100
 119 5.3 77.9 116.9#
 121 0.0 24.8 37.2#

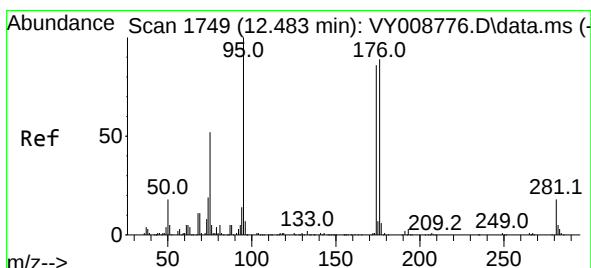
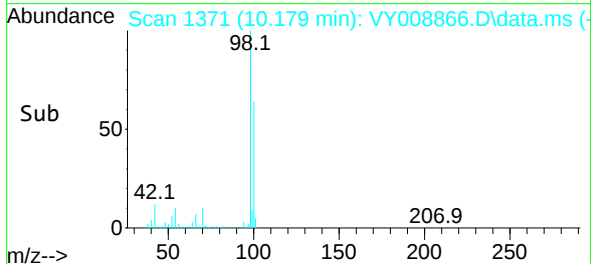
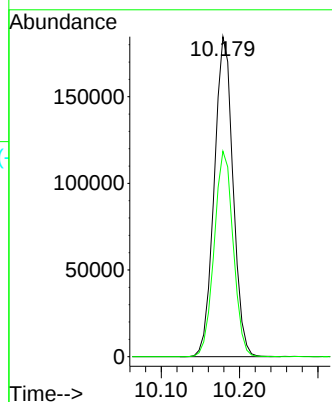
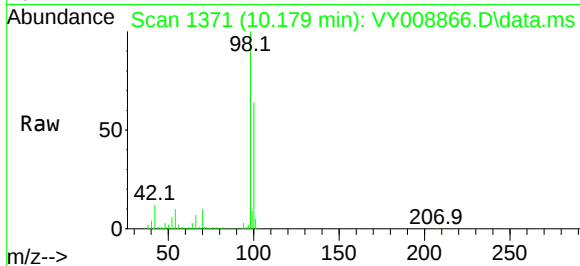




#50
Toluene-d8
Concen: 49.278 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008866.D
Acq: 19 May 2022 14:37

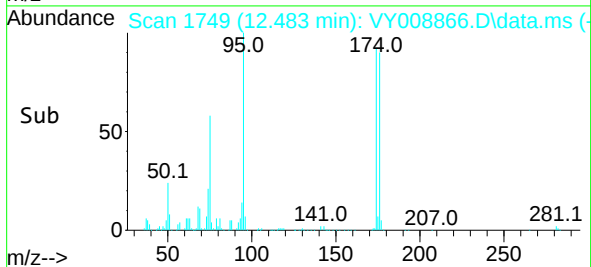
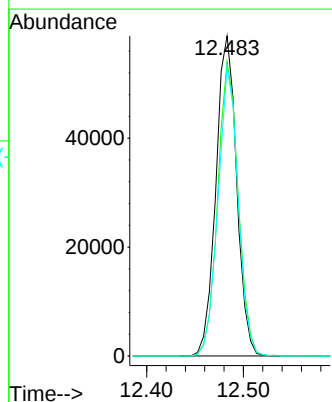
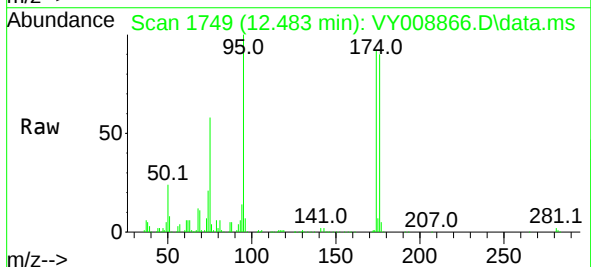
Instrument :
MSVOA_Y
ClientSampleId :
SB09

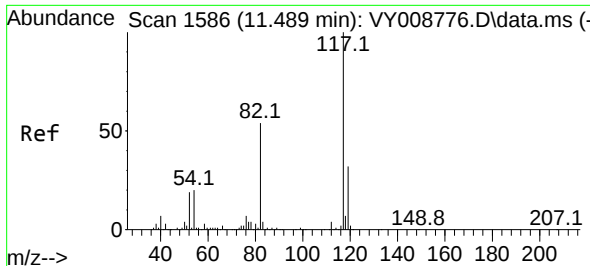
Tgt Ion: 98 Resp: 307826
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 39.862 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008866.D
Acq: 19 May 2022 14:37

Tgt Ion: 95 Resp: 87255
Ion Ratio Lower Upper
95 100
174 91.0 0.0 177.0
176 87.6 0.0 175.8

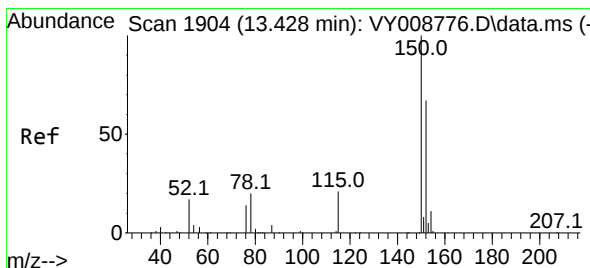
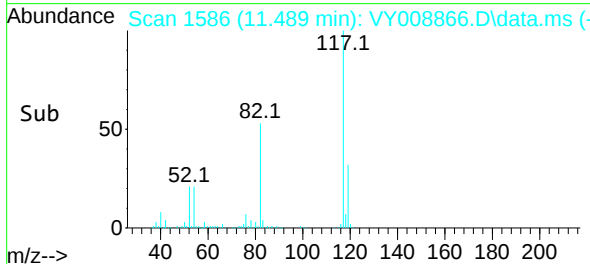
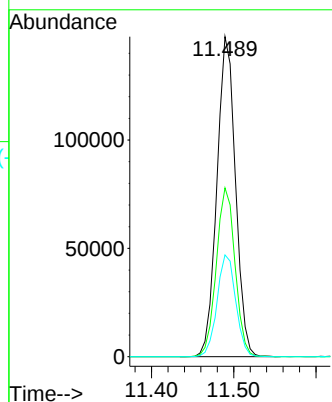
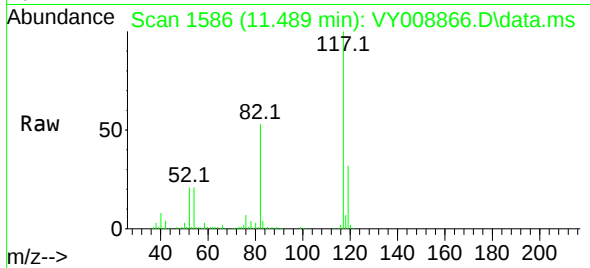




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY008866.D
Acq: 19 May 2022 14:37

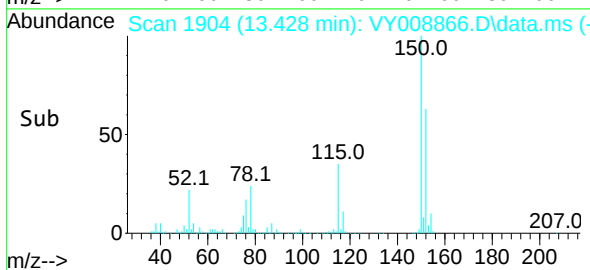
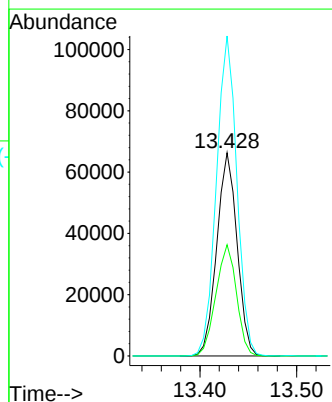
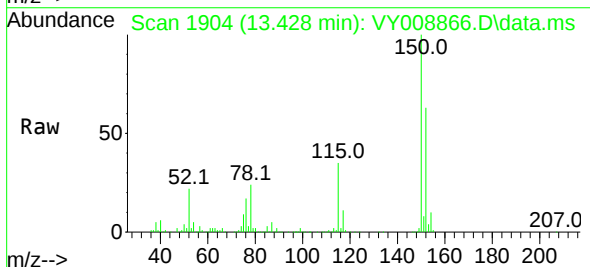
Instrument :
MSVOA_Y
ClientSampleId :
SB09

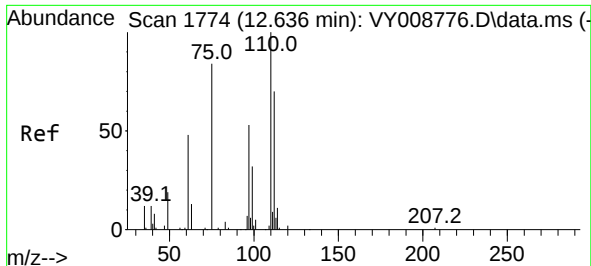
Tgt Ion:117 Resp: 232064
Ion Ratio Lower Upper
117 100
82 52.8 43.0 64.4
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY008866.D
Acq: 19 May 2022 14:37

Tgt Ion:152 Resp: 96612
Ion Ratio Lower Upper
152 100
115 55.5 28.2 84.7
150 158.5 0.0 347.6

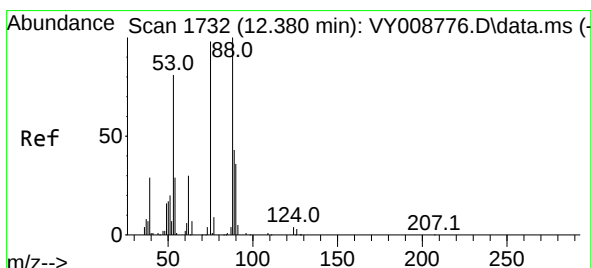
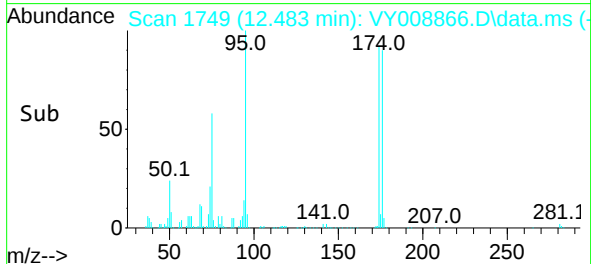
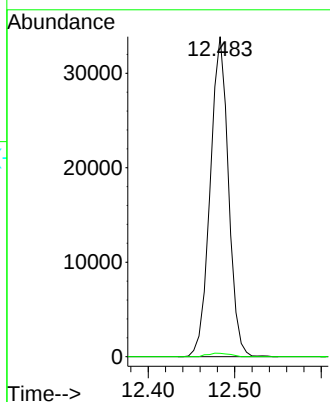
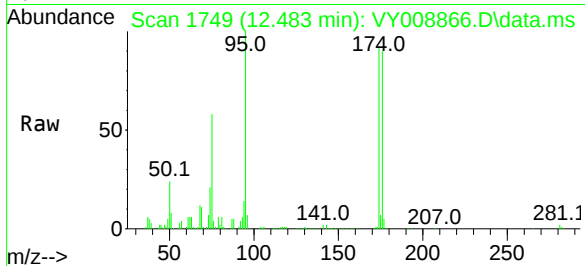




#76
1,2,3-Trichloropropane
Concen: 44.393 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY008866.D
Acq: 19 May 2022 14:37

Instrument :
MSVOA_Y
ClientSampleId :
SB09

Tgt Ion: 75 Resp: 49543
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.100 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008866.D
Acq: 19 May 2022 14:37

Tgt Ion: 75 Resp: 49543
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

