

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031822\
 Data File : VY007906.D
 Acq On : 18 Mar 2022 16:44
 Operator : SY/MD
 Sample : N1951-08
 Misc : 5.56g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DB-13-(20-25)-3-12-22

Quant Time: Mar 19 01:37:18 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)

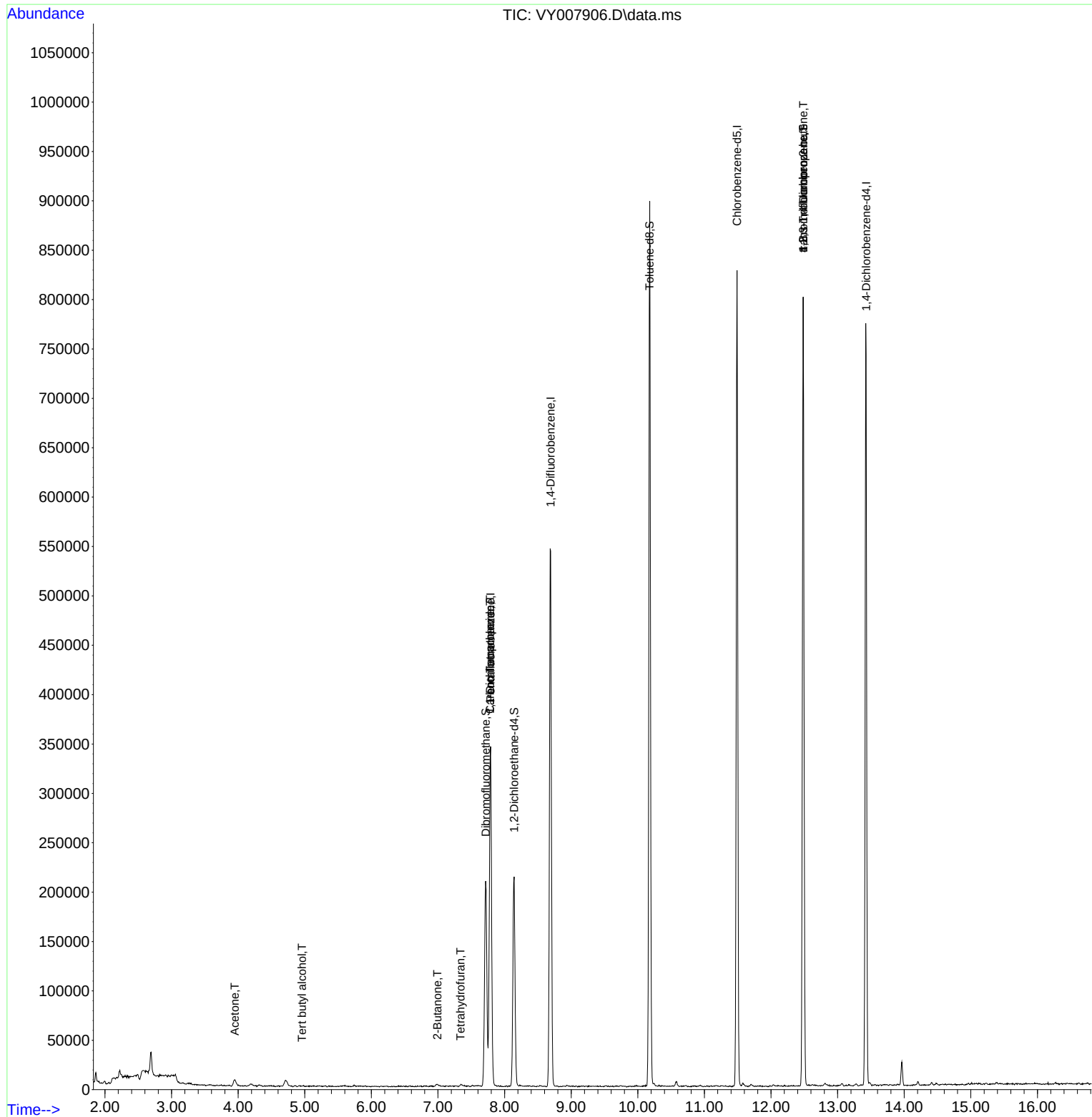
Internal Standards						
1) Pentafluorobenzene	7.789	168	265865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	483769	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	447704	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	191693	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	162312	53.544	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.080%			
35) Dibromofluoromethane	7.716	113	154367	45.436	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 90.880%			
50) Toluene-d8	10.179	98	581072	57.529	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 115.060%			
62) 4-Bromofluorobenzene	12.483	95	207614	42.579	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 85.160%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	181	Below Cal	#	43
3) Chloromethane	2.113	50	1264	Below Cal		96
4) Vinyl Chloride	2.253	62	291	Below Cal	#	43
5) Bromomethane	2.650	94	1039	Below Cal	#	66
11) Tert butyl alcohol	4.960	59	512	1.450 ug/l	#	91
16) Acetone	3.948	43	11425	14.207 ug/l	#	73
17) Carbon Disulfide	4.192	76	3914	Below Cal	#	92
18) Methyl Acetate	4.472	43	1300	Below Cal	#	71
20) Methylene Chloride	4.710	84	2738	Below Cal	#	84
25) 2-Butanone	6.990	43	2037	1.581 ug/l	#	79
29) Tetrahydrofuran	7.338	42	1049	1.271 ug/l	#	38
31) Cyclohexane	7.789	56	5793	Below Cal	#	8
36) 1,1-Dichloropropene	7.783	75	21265	4.220 ug/l	#	52
38) Carbon Tetrachloride	7.783	117	27090	5.031 ug/l	#	15
39) Methylcyclohexane	9.185	83	19	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.483	75	106300	38.905 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	106300	81.717 ug/l	#	8

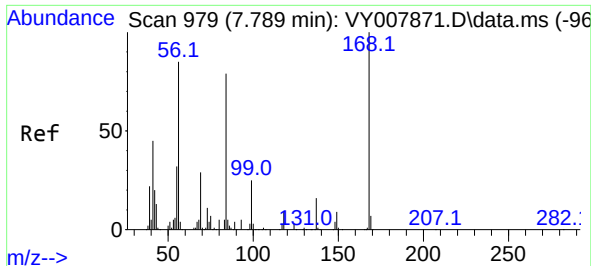
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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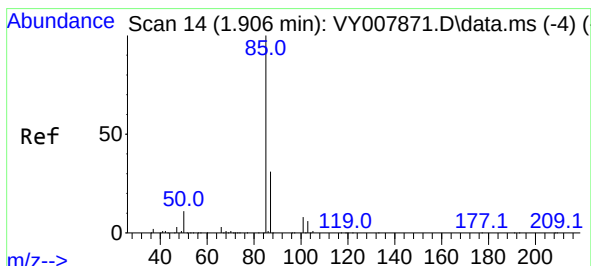
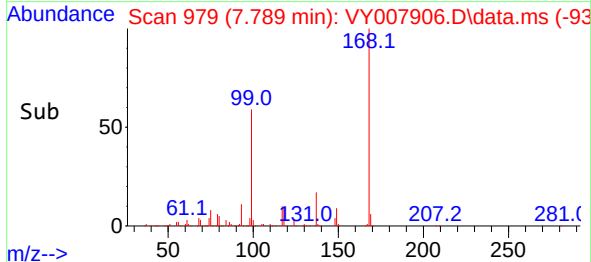
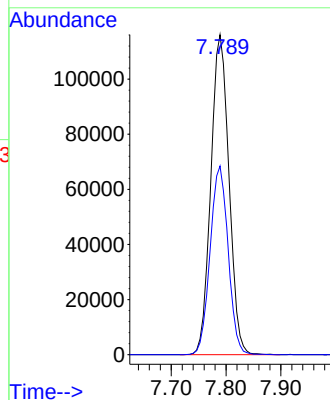
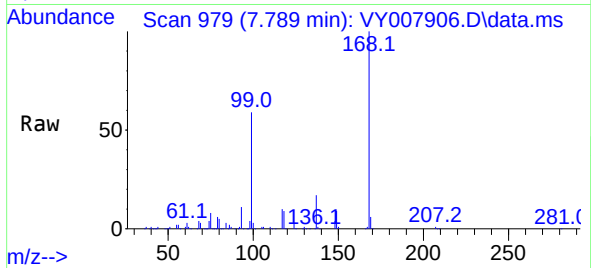




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007906.D
Acq: 18 Mar 2022 16:44

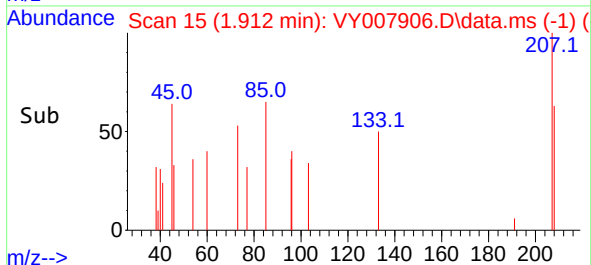
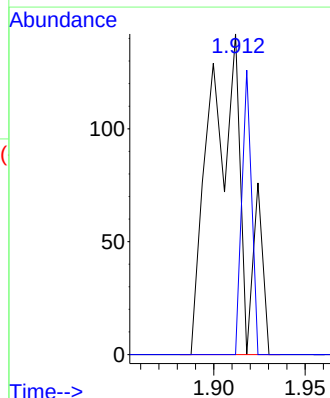
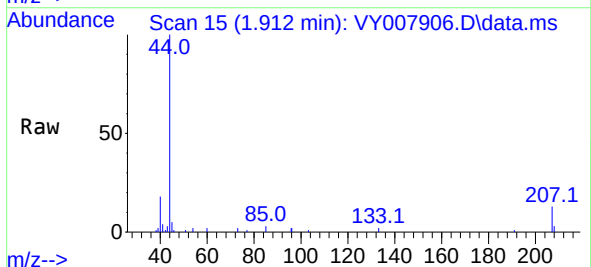
Instrument :
MSVOA_Y
ClientSampleId :
DB-13-(20-25)-3-12-22

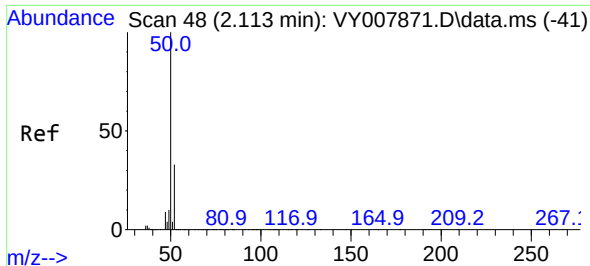
Tgt Ion:168 Resp: 265865
Ion Ratio Lower Upper
168 100
99 58.9 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY007906.D
Acq: 18 Mar 2022 16:44

Tgt Ion: 85 Resp: 181
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

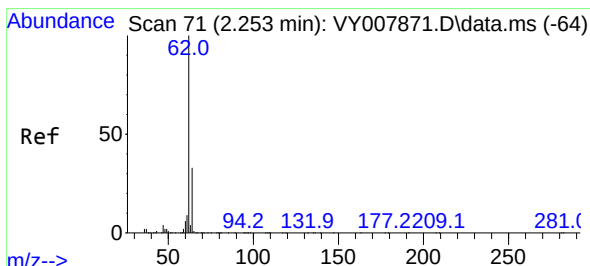
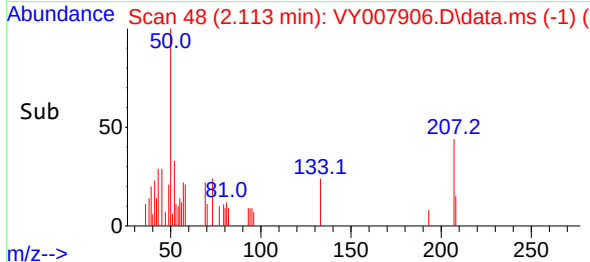
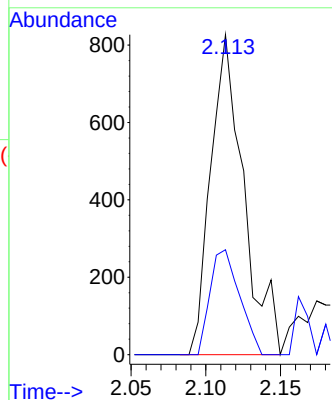
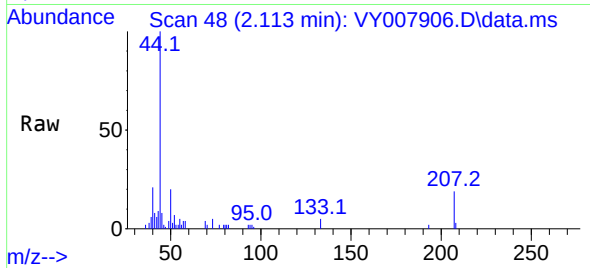




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY007906.D
Acq: 18 Mar 2022 16:44

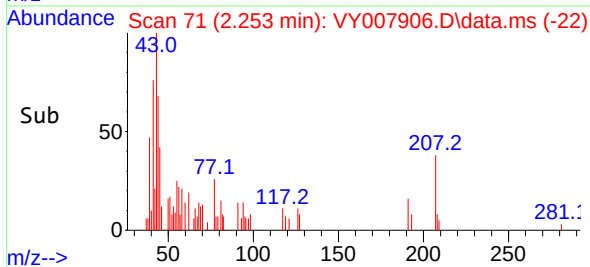
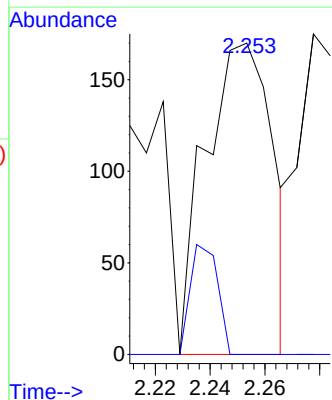
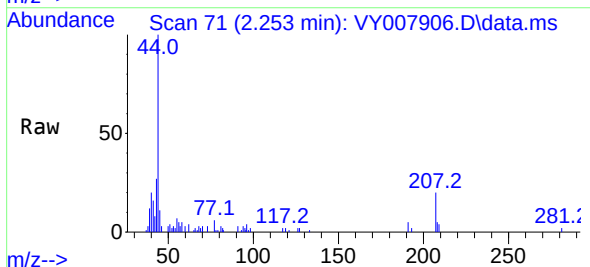
Instrument :
MSVOA_Y
ClientSampleId :
DB-13-(20-25)-3-12-22

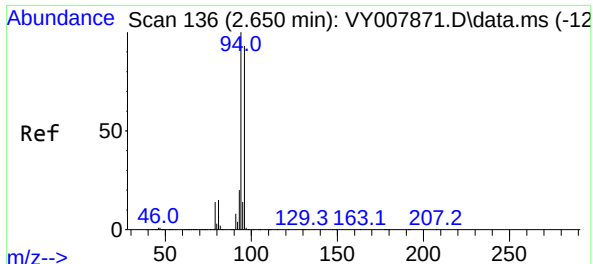
Tgt Ion: 50 Resp: 1264
Ion Ratio Lower Upper
50 100
52 32.8 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.253 min Scan# 71
Delta R.T. -0.000 min
Lab File: VY007906.D
Acq: 18 Mar 2022 16:44

Tgt Ion: 62 Resp: 291
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

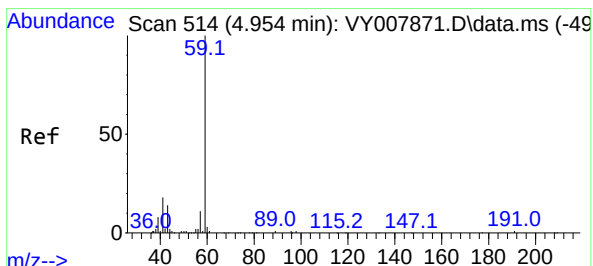
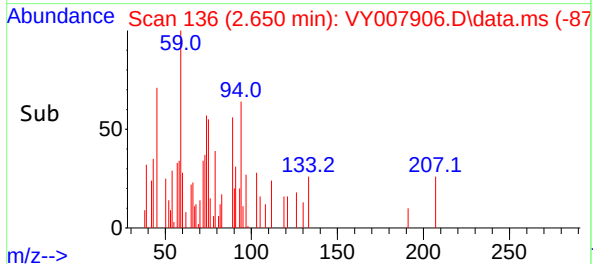
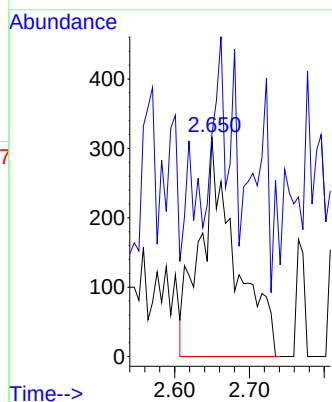
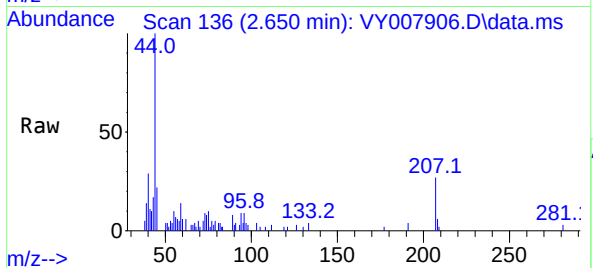




#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007906.D
Acq: 18 Mar 2022 16:44

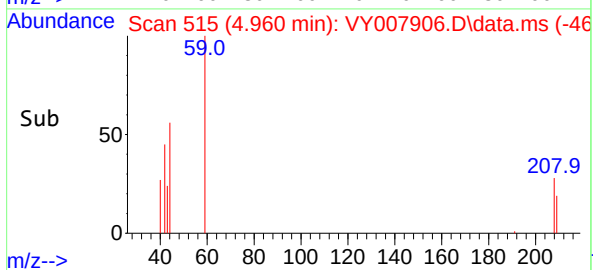
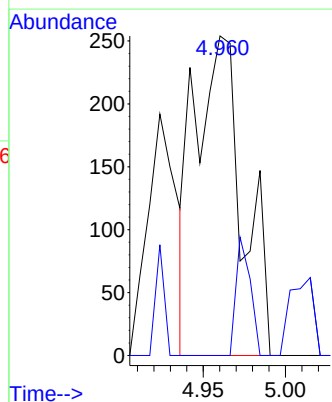
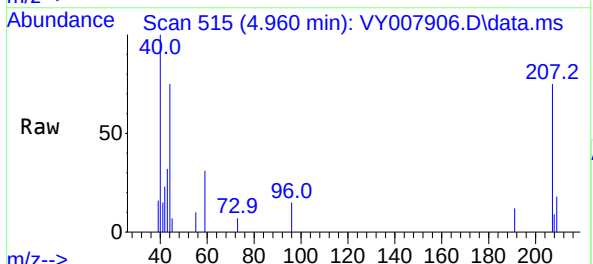
Instrument :
MSVOA_Y
ClientSampleId :
DB-13-(20-25)-3-12-22

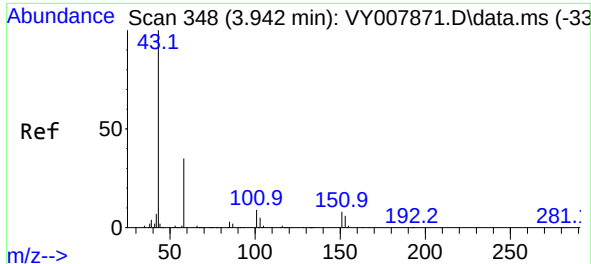
Tgt Ion: 94 Resp: 1039
Ion Ratio Lower Upper
94 100
96 59.3 73.5 110.3#



#11
Tert butyl alcohol
Concen: 1.450 ug/l
RT: 4.960 min Scan# 515
Delta R.T. 0.006 min
Lab File: VY007906.D
Acq: 18 Mar 2022 16:44

Tgt Ion: 59 Resp: 512
Ion Ratio Lower Upper
59 100
57 11.1 6.4 9.6#





#16

Acetone

Concen: 14.207 ug/l

RT: 3.948 min Scan# 348

Delta R.T. 0.006 min

Lab File: VY007906.D

Acq: 18 Mar 2022 16:44

Instrument :

MSVOA_Y

ClientSampleId :

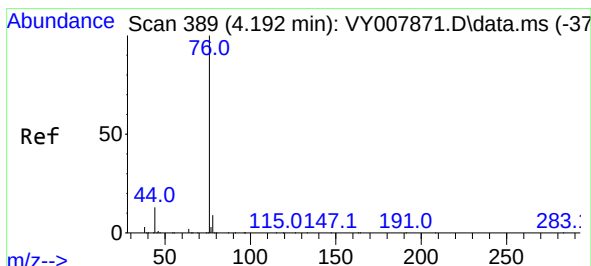
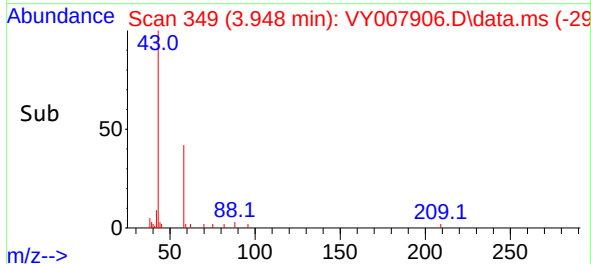
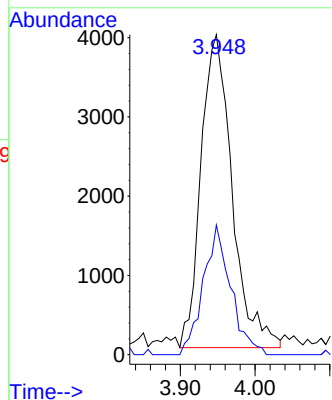
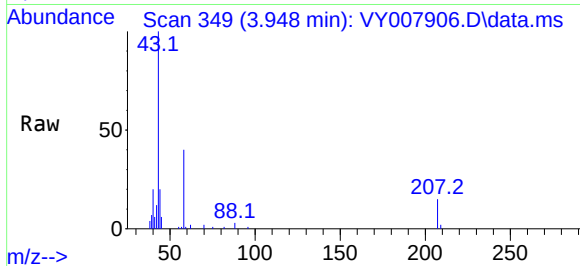
DB-13-(20-25)-3-12-22

Tgt Ion: 43 Resp: 11425

Ion Ratio Lower Upper

43 100

58 41.4 22.0 33.0#



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.192 min Scan# 389

Delta R.T. 0.000 min

Lab File: VY007906.D

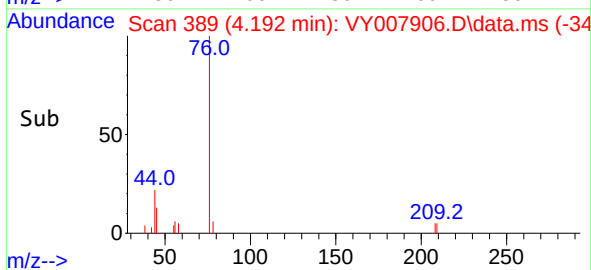
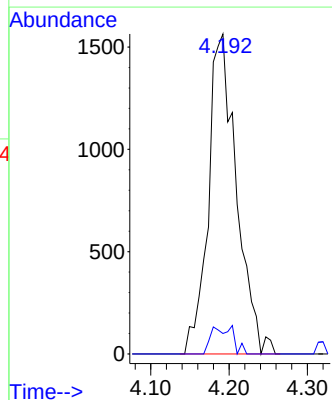
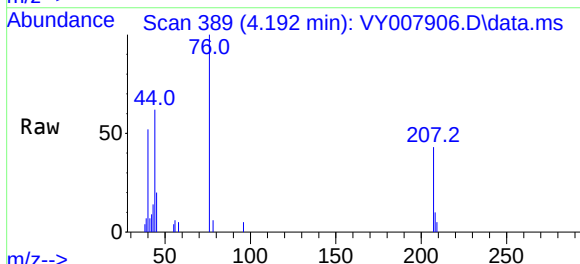
Acq: 18 Mar 2022 16:44

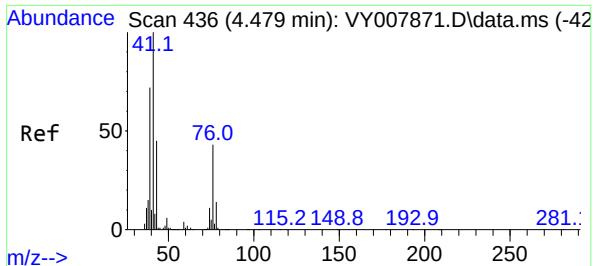
Tgt Ion: 76 Resp: 3914

Ion Ratio Lower Upper

76 100

78 6.4 7.4 11.0#

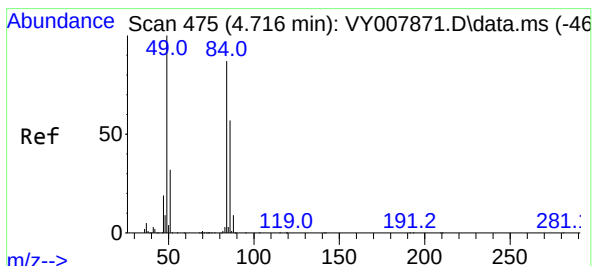
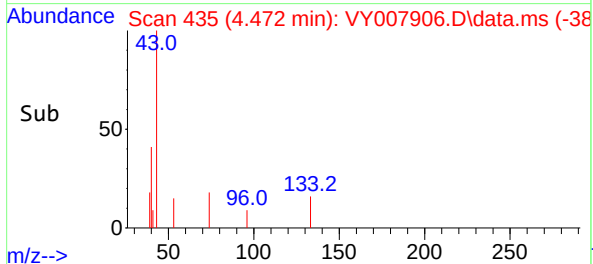
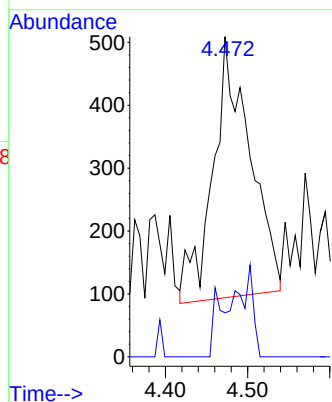
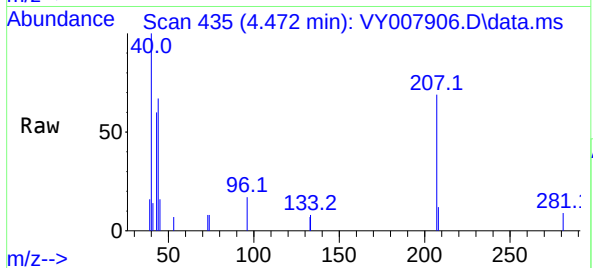




#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 41
Delta R.T. -0.001 min
Lab File: VY007906.D
Acq: 18 Mar 2022 16:44

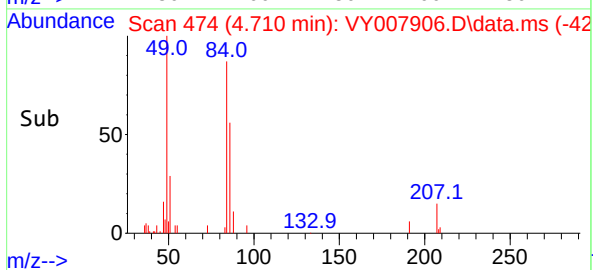
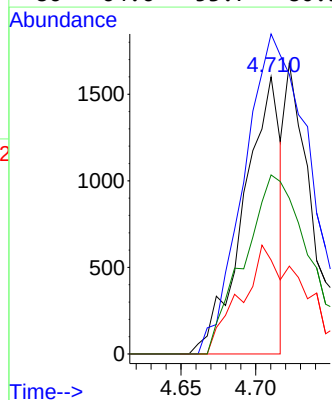
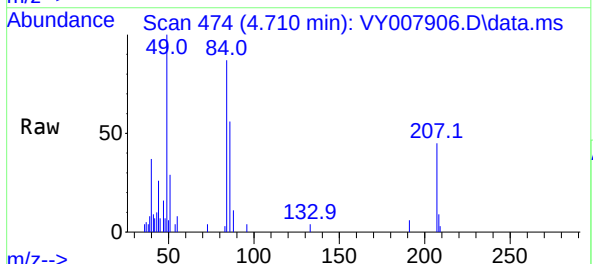
Instrument :
MSVOA_Y
ClientSampleId :
DB-13-(20-25)-3-12-22

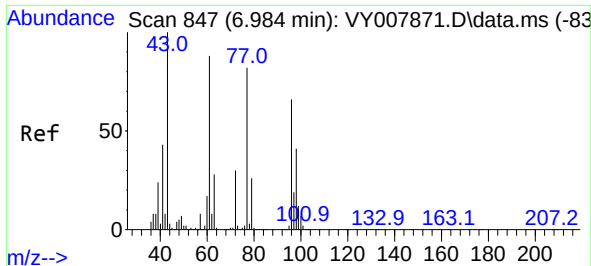
Tgt Ion: 43 Resp: 1300
Ion Ratio Lower Upper
43 100
74 7.2 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY007906.D
Acq: 18 Mar 2022 16:44

Tgt Ion: 84 Resp: 2738
Ion Ratio Lower Upper
84 100
49 115.5 114.4 171.6
51 33.9 35.3 52.9#
86 64.6 53.7 80.5

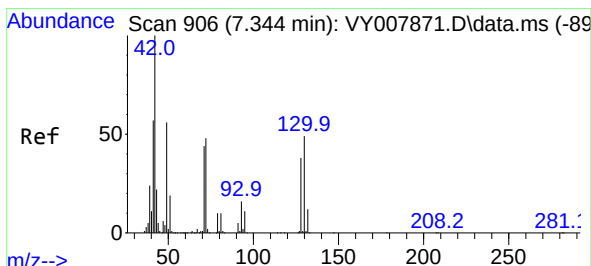
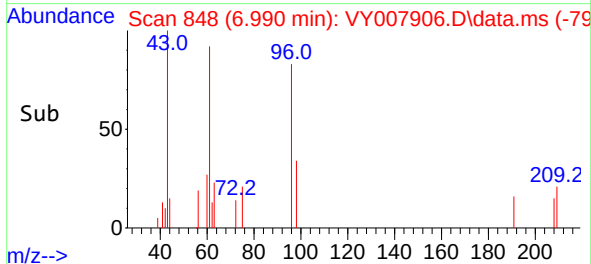
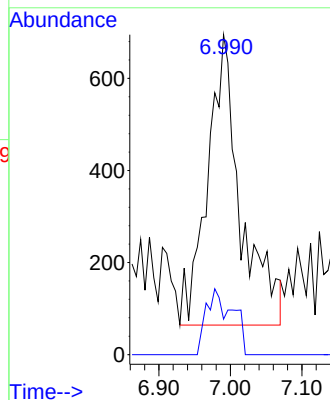
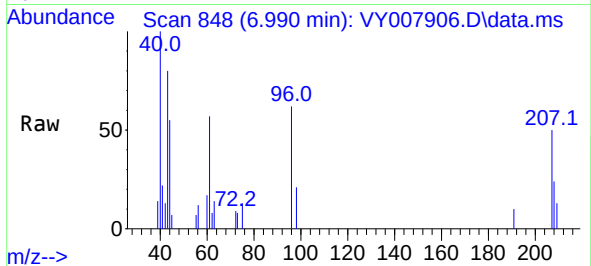




#25
2-Butanone
Concen: 1.581 ug/l
RT: 6.990 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY007906.D
Acq: 18 Mar 2022 16:44

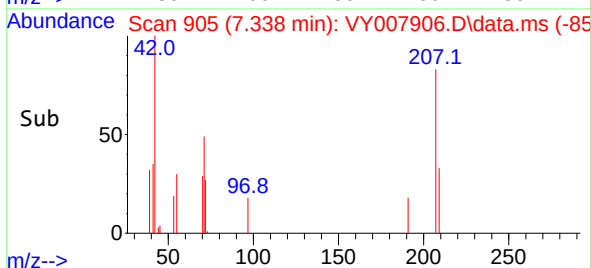
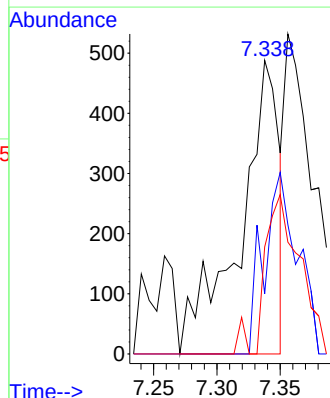
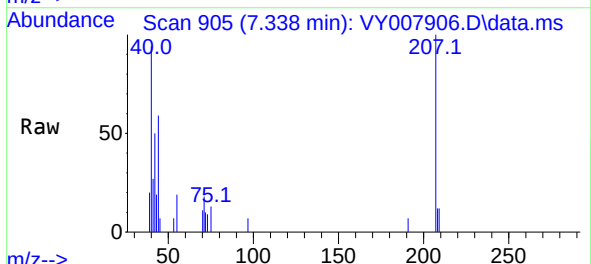
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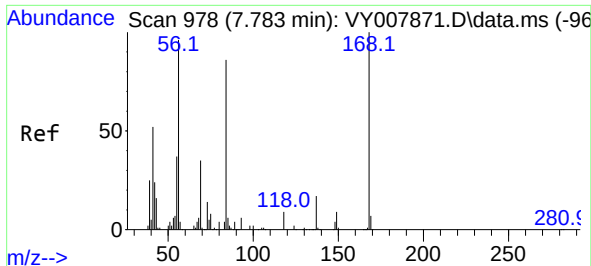
Tgt Ion: 43 Resp: 2037
Ion Ratio Lower Upper
43 100
72 12.2 17.7 26.5#



#29
Tetrahydrofuran
Concen: 1.271 ug/l
RT: 7.338 min Scan# 905
Delta R.T. -0.006 min
Lab File: VY007906.D
Acq: 18 Mar 2022 16:44

Tgt Ion: 42 Resp: 1049
Ion Ratio Lower Upper
42 100
72 0.0 30.3 45.5#
71 0.0 29.0 43.4#

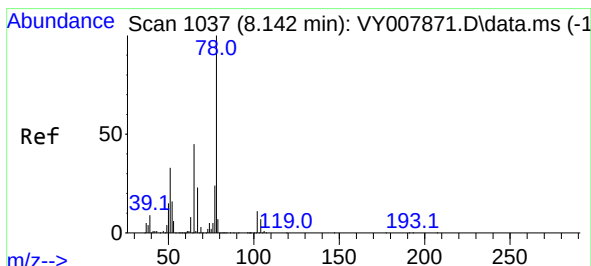
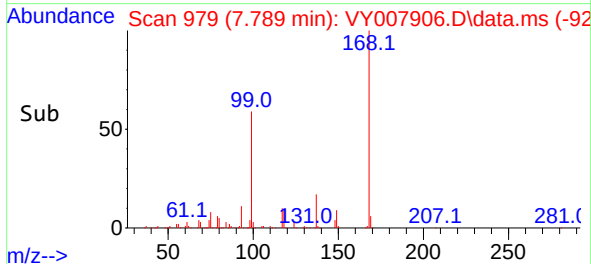
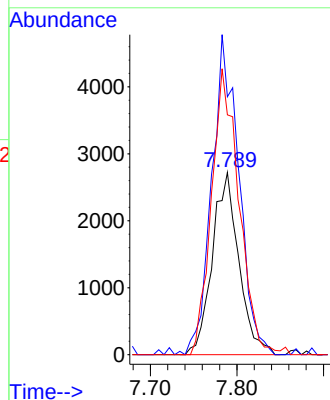
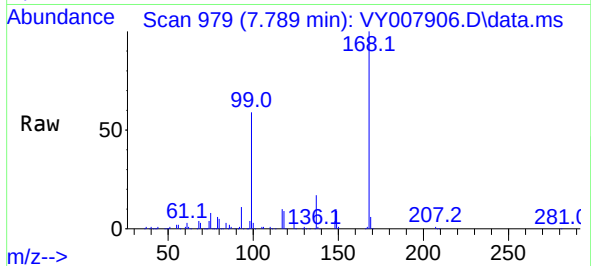




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007906.D
Acq: 18 Mar 2022 16:44

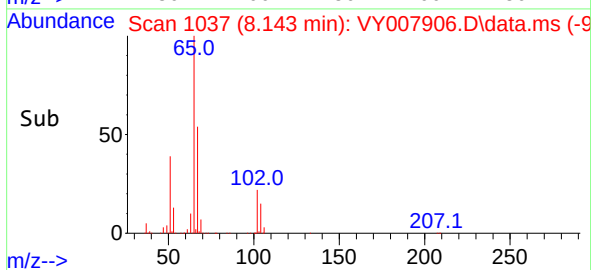
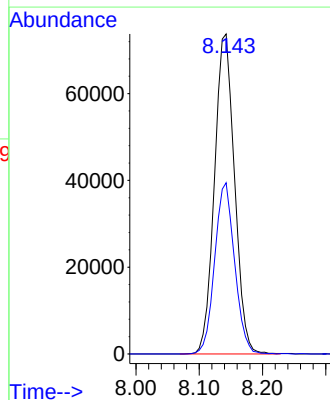
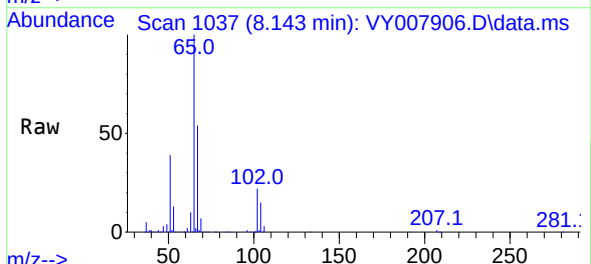
Instrument :
MSVOA_Y
ClientSampleId :
DB-13-(20-25)-3-12-22

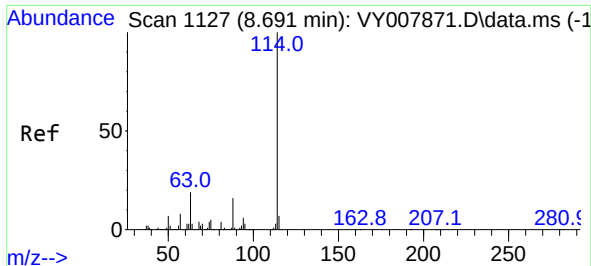
Tgt Ion: 56 Resp: 5793
Ion Ratio Lower Upper
56 100
69 141.5 26.7 40.1#
84 131.6 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 53.544 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY007906.D
Acq: 18 Mar 2022 16:44

Tgt Ion: 65 Resp: 162312
Ion Ratio Lower Upper
65 100
67 53.0 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: VY007906.D

Acq: 18 Mar 2022 16:44

Instrument :

MSVOA_Y

ClientSampleId :

DB-13-(20-25)-3-12-22

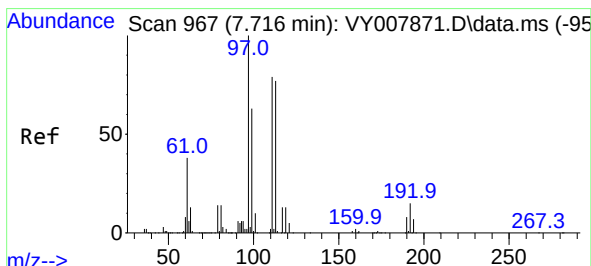
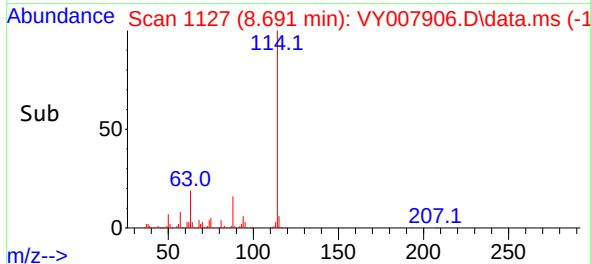
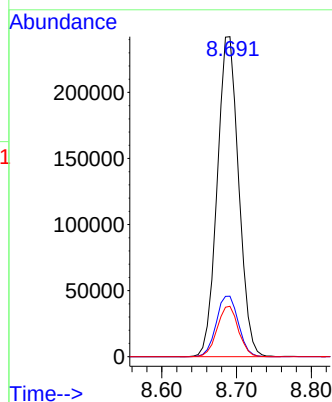
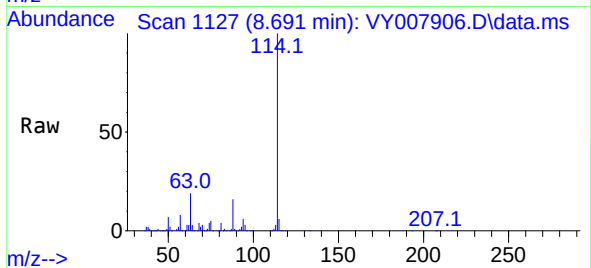
Tgt Ion:114 Resp: 483769

Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.2

88 15.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 45.436 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY007906.D

Acq: 18 Mar 2022 16:44

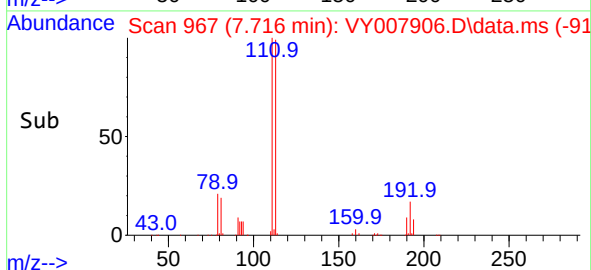
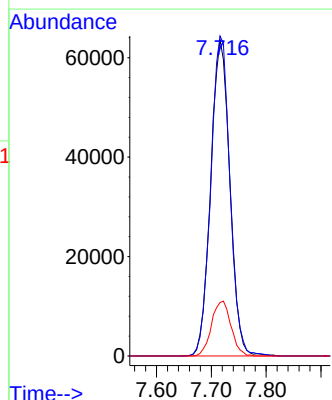
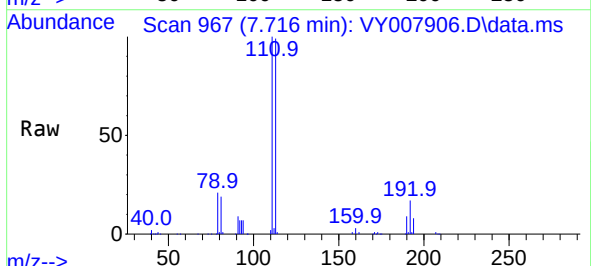
Tgt Ion:113 Resp: 154367

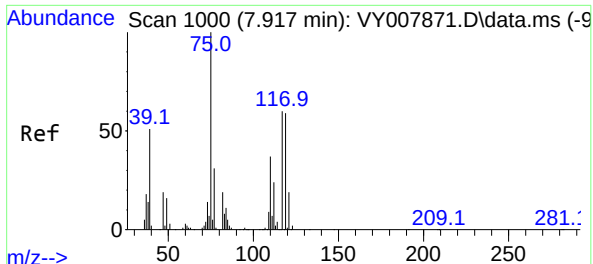
Ion Ratio Lower Upper

113 100

111 100.9 82.6 124.0

192 17.6 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.220 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY007906.D

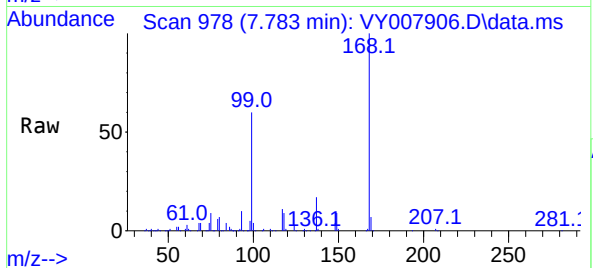
Acq: 18 Mar 2022 16:44

Instrument :

MSVOA_Y

ClientSampleId :

DB-13-(20-25)-3-12-22



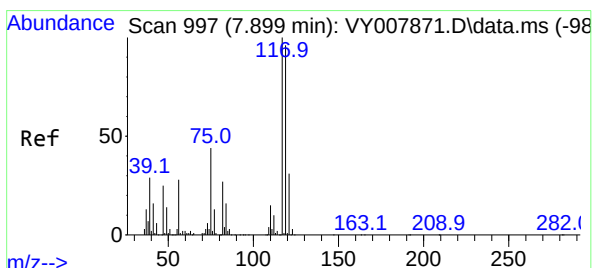
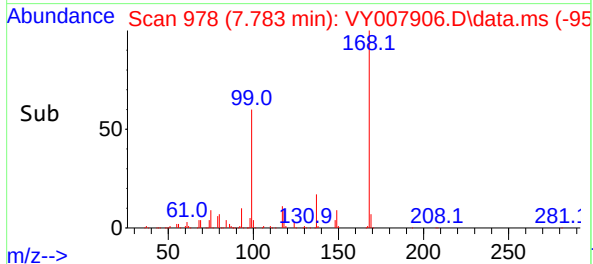
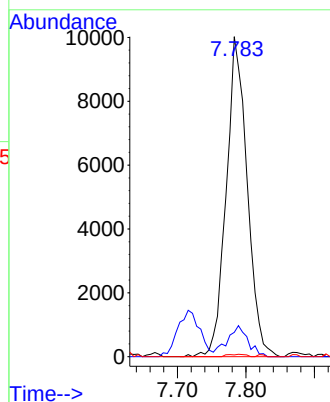
Tgt Ion: 75 Resp: 21265

Ion Ratio Lower Upper

75 100

110 9.6 17.1 51.2#

77 0.7 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.031 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY007906.D

Acq: 18 Mar 2022 16:44

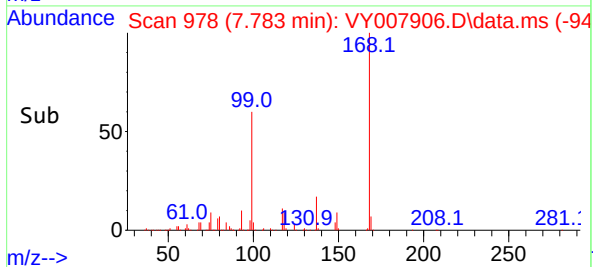
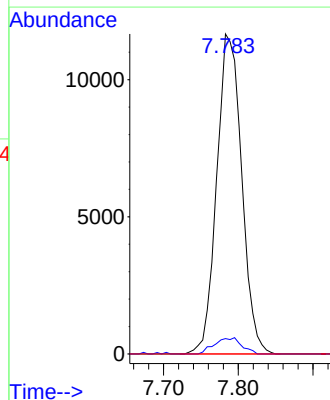
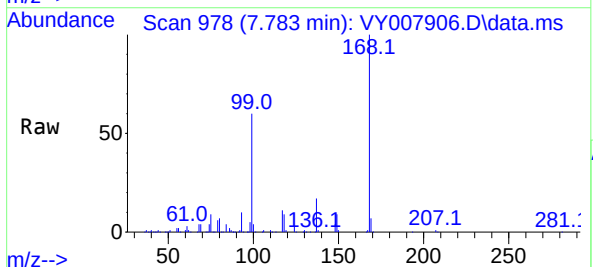
Tgt Ion: 117 Resp: 27090

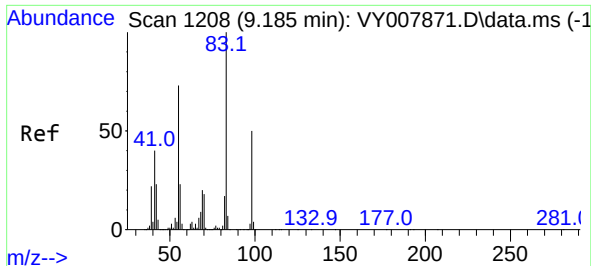
Ion Ratio Lower Upper

117 100

119 4.8 77.9 116.9#

121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: Below Cal

RT: 9.185 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY007906.D

Acq: 18 Mar 2022 16:44

Instrument :

MSVOA_Y

ClientSampleId :

DB-13-(20-25)-3-12-22

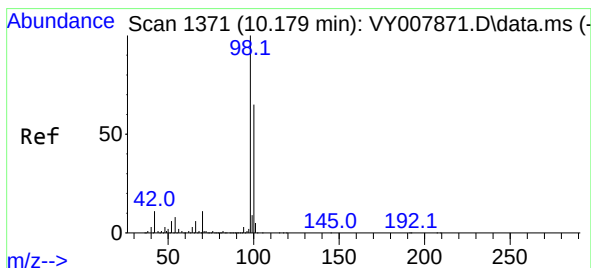
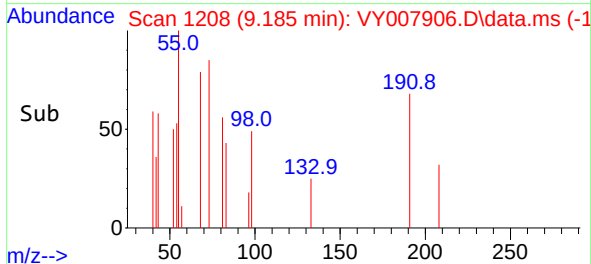
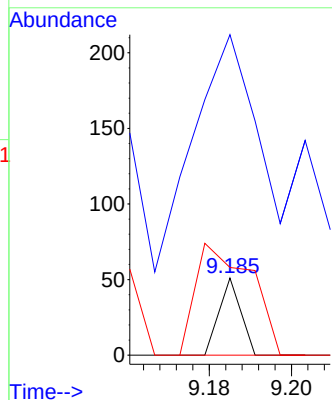
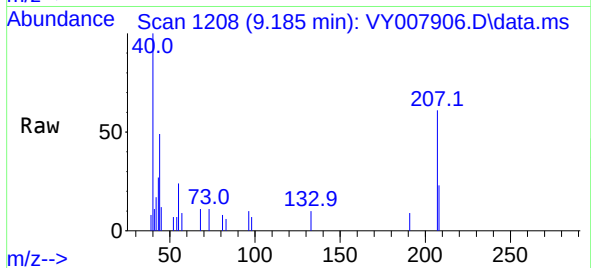
Tgt Ion: 83 Resp: 19

Ion Ratio Lower Upper

83 100

55 245.1 66.5 99.7#

98 113.7 37.9 56.9#



#50

Toluene-d8

Concen: 57.529 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY007906.D

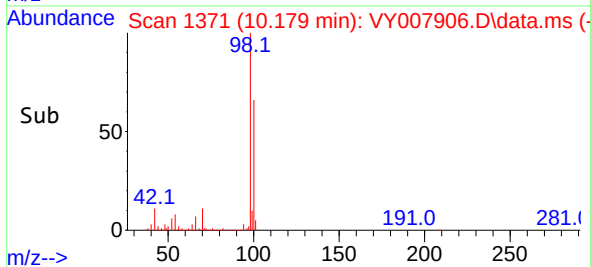
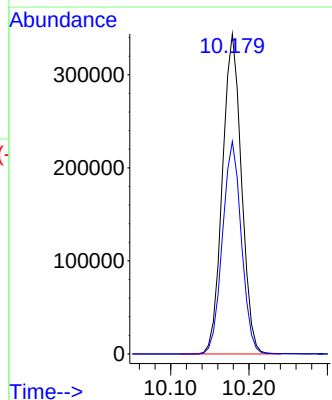
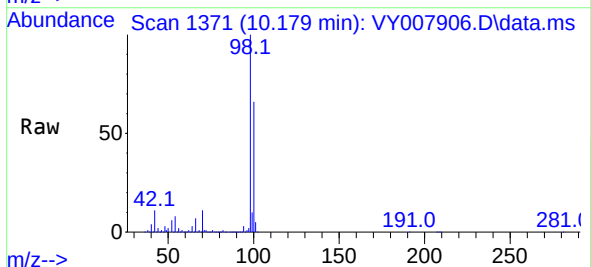
Acq: 18 Mar 2022 16:44

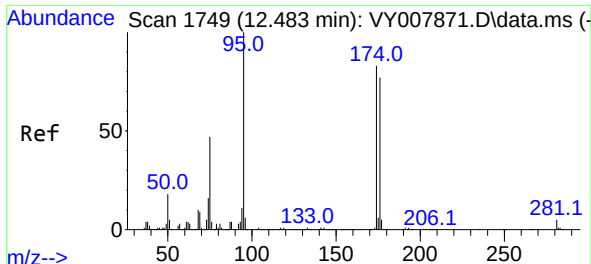
Tgt Ion: 98 Resp: 581072

Ion Ratio Lower Upper

98 100

100 65.9 50.2 75.2

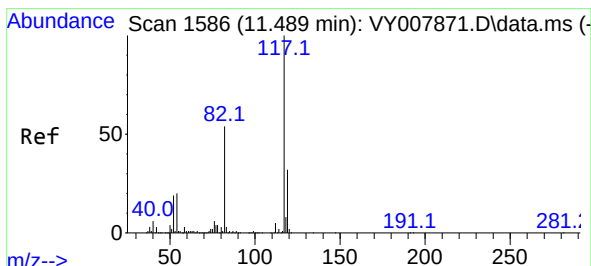
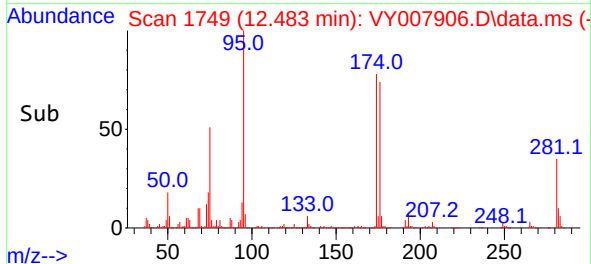
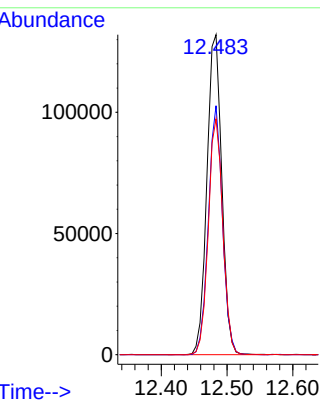
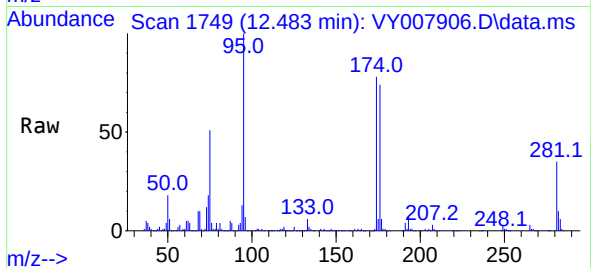




#62
4-Bromofluorobenzene
Concen: 42.579 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY007906.D
Acq: 18 Mar 2022 16:44

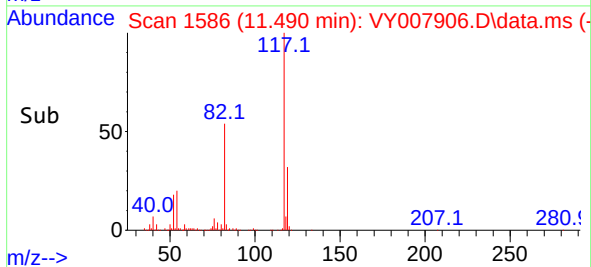
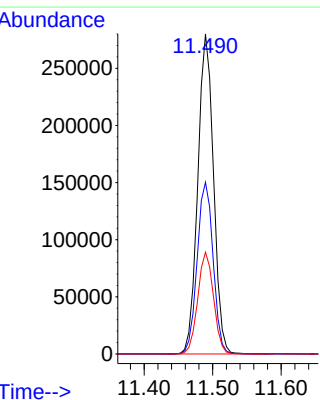
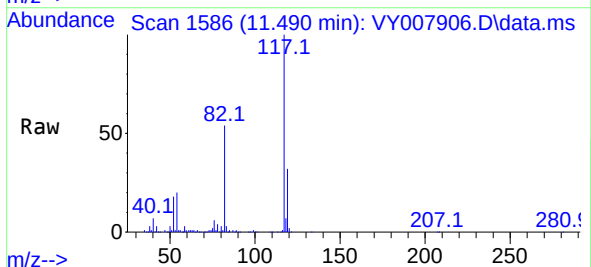
Instrument :
MSVOA_Y
ClientSampleId :
DB-13-(20-25)-3-12-22

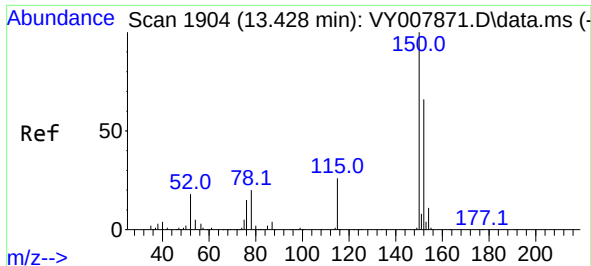
Tgt Ion: 95 Resp: 207614
Ion Ratio Lower Upper
95 100
174 73.8 0.0 177.0
176 71.8 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY007906.D
Acq: 18 Mar 2022 16:44

Tgt Ion: 117 Resp: 447704
Ion Ratio Lower Upper
117 100
82 53.7 43.0 64.4
119 31.8 25.4 38.0

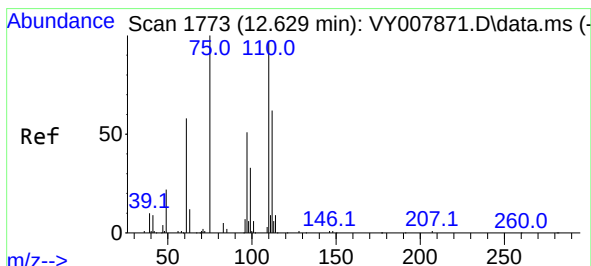
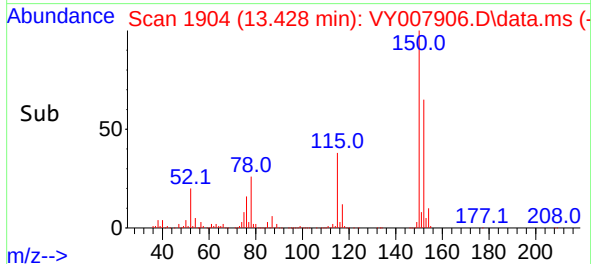
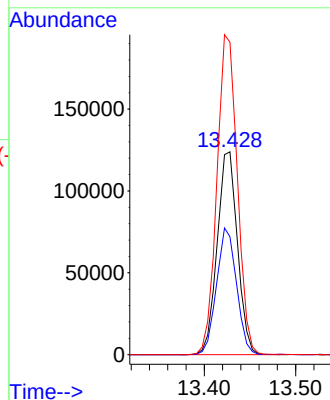
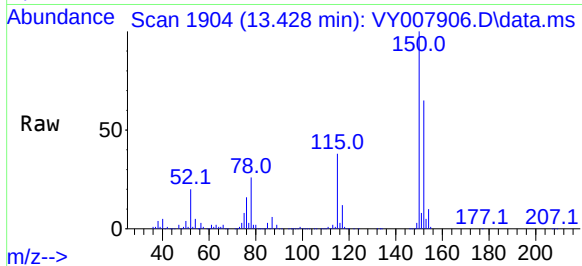




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY007906.D
Acq: 18 Mar 2022 16:44

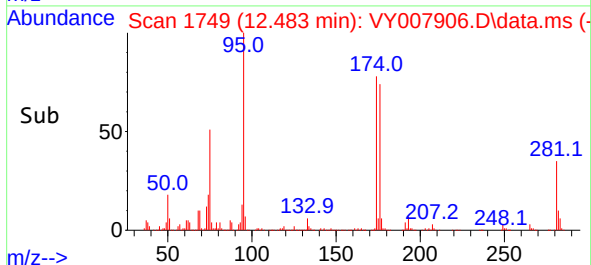
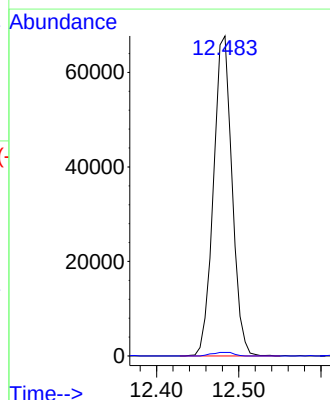
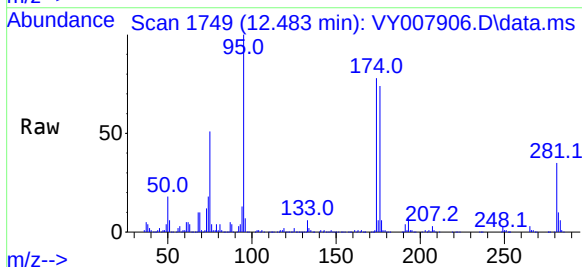
Instrument :
MSVOA_Y
ClientSampleId :
DB-13-(20-25)-3-12-22

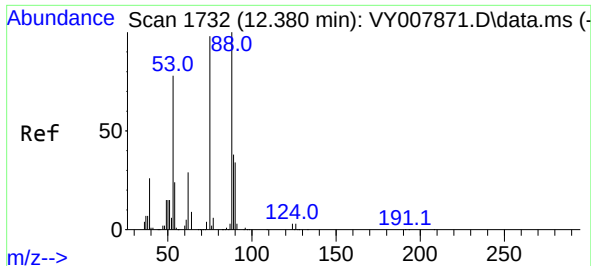
Tgt Ion:152 Resp: 191693
Ion Ratio Lower Upper
152 100
115 61.5 28.2 84.7
150 158.6 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 38.905 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY007906.D
Acq: 18 Mar 2022 16:44

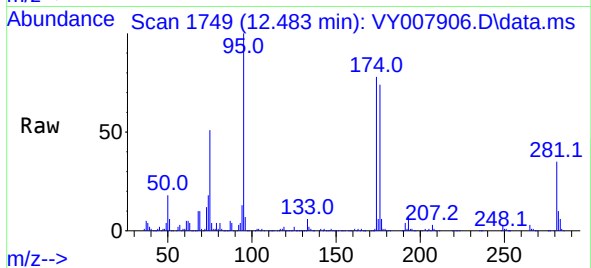
Tgt Ion: 75 Resp: 106300
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.717 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY007906.D
 Acq: 18 Mar 2022 16:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 DB-13-(20-25)-3-12-22



Tgt Ion: 75 Resp: 106300
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.3 127.9#
 89 0.8 37.0 55.4#

