

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032122\
 Data File : VY007955.D
 Acq On : 21 Mar 2022 15:25
 Operator : SY/MD
 Sample : N1983-07RE
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 124055

Quant Time: Mar 21 16:05:40 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)

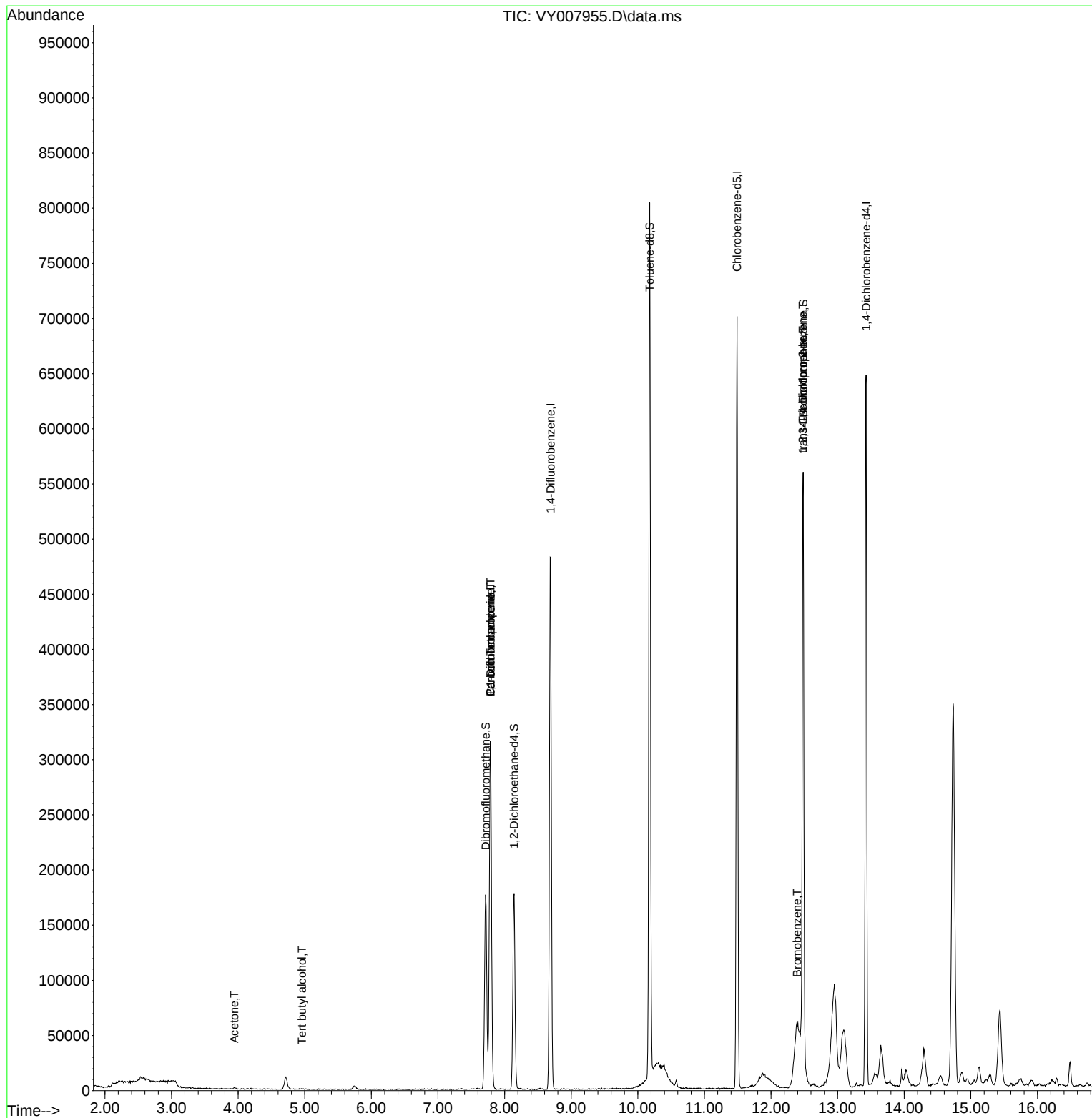
Internal Standards						
1) Pentafluorobenzene	7.789	168	234831	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	417450	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	367918	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	157232	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	137133	51.217	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.440%	
35) Dibromofluoromethane	7.716	113	125437	42.786	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 85.580%	
50) Toluene-d8	10.179	98	508523	58.436	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 116.880%	
62) 4-Bromofluorobenzene	12.483	95	170916	40.621	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 81.240%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	119	Below Cal	#	43
3) Chloromethane	2.113	50	735	Below Cal		96
4) Vinyl Chloride	2.266	62	83	Below Cal	#	9
5) Bromomethane	2.656	94	427	Below Cal	#	36
11) Tert butyl alcohol	4.960	59	452	1.449	ug/l #	77
16) Acetone	3.942	43	1661	2.338	ug/l	99
17) Carbon Disulfide	4.192	76	174	Below Cal	#	75
18) Methyl Acetate	4.473	43	369	Below Cal	#	90
20) Methylene Chloride	4.716	84	8293	Below Cal		93
31) Cyclohexane	7.783	56	5511	Below Cal	#	5
36) 1,1-Dichloropropene	7.789	75	20389	4.689	ug/l #	50
38) Carbon Tetrachloride	7.789	117	24230	5.215	ug/l #	16
39) Methylcyclohexane	9.374	83	50	Below Cal	#	16
76) 1,2,3-Trichloropropane	12.477	75	91893	41.004	ug/l #	100
77) Bromobenzene	12.392	156	52861	16.714	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.477	75	91893	86.125	ug/l #	7

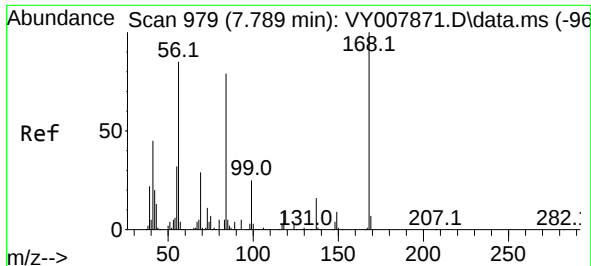
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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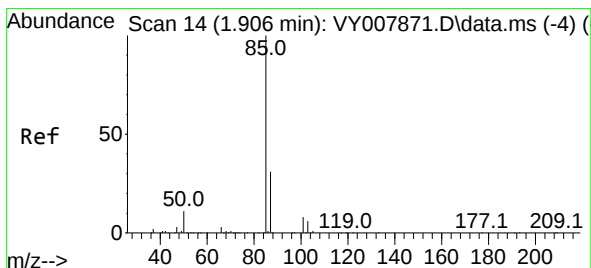
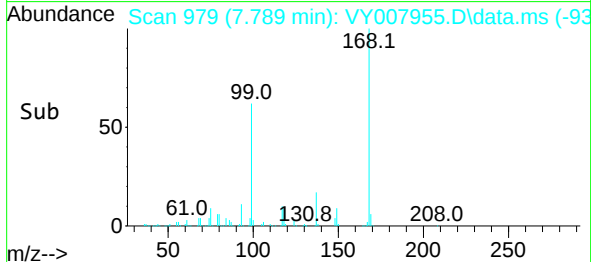
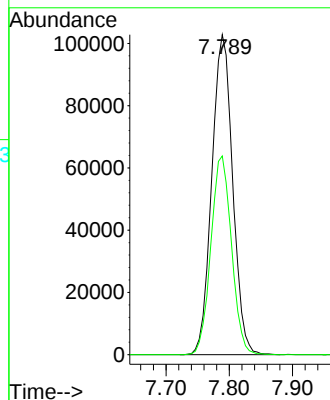
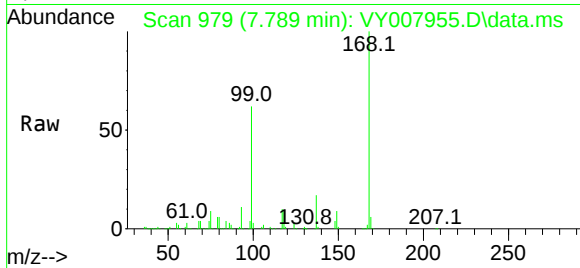




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007955.D
Acq: 21 Mar 2022 15:25

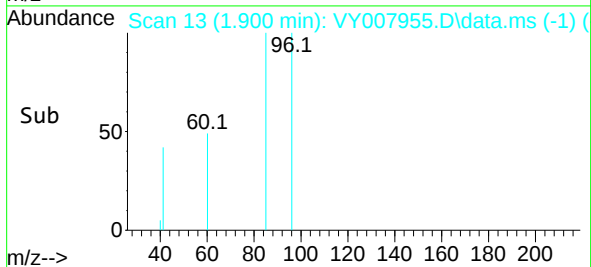
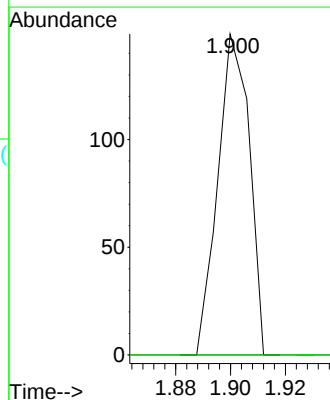
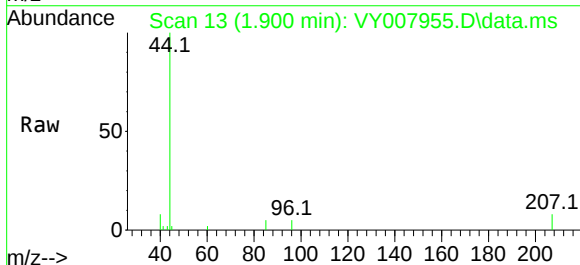
Instrument :
MSVOA_Y
ClientSampleId :
124055

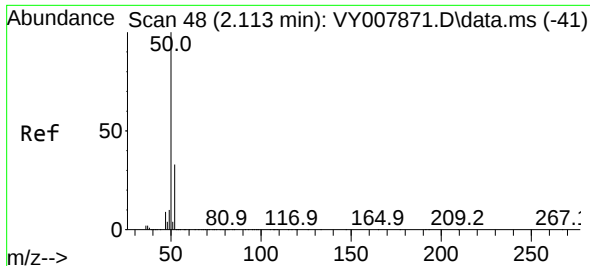
Tgt Ion:168 Resp: 234831
Ion Ratio Lower Upper
168 100
99 62.1 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY007955.D
Acq: 21 Mar 2022 15:25

Tgt Ion: 85 Resp: 119
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

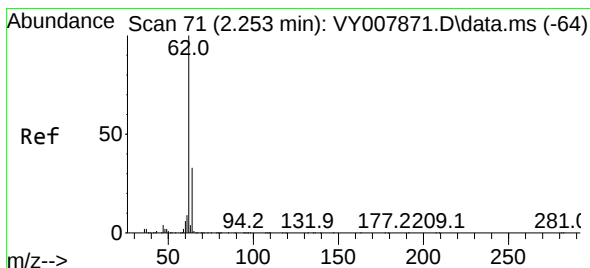
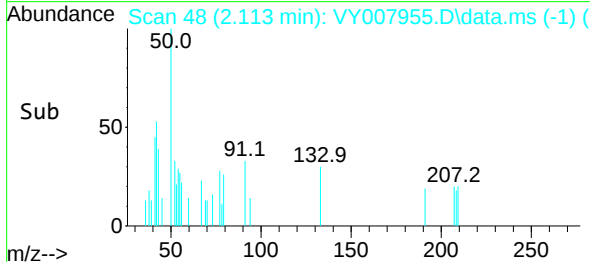
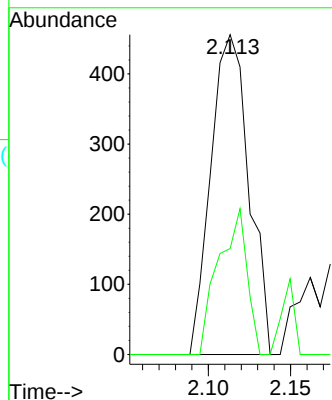
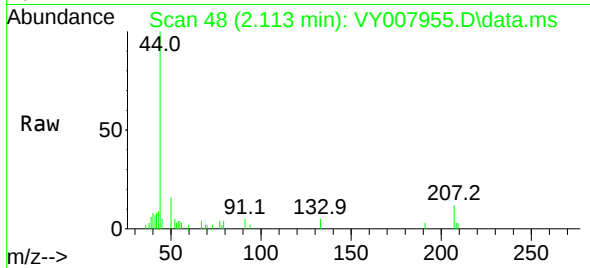




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY007955.D
Acq: 21 Mar 2022 15:25

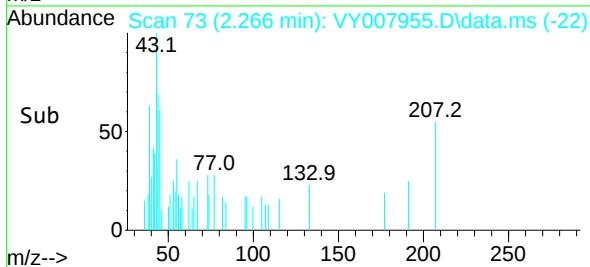
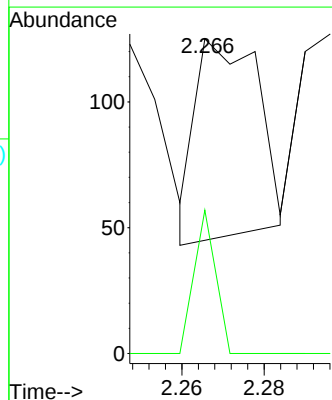
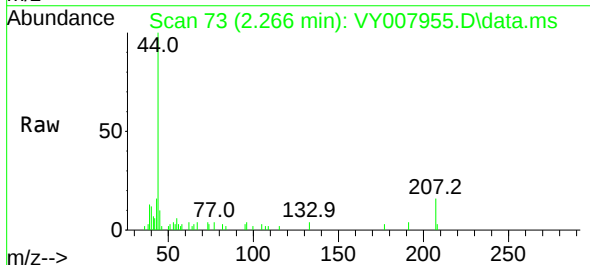
Instrument :
MSVOA_Y
ClientSampleId :
124055

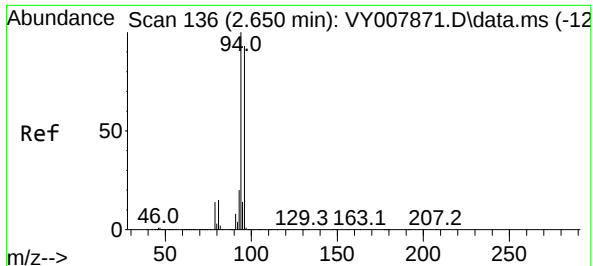
Tgt Ion: 50 Resp: 735
Ion Ratio Lower Upper
50 100
52 33.1 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.266 min Scan# 73
Delta R.T. 0.012 min
Lab File: VY007955.D
Acq: 21 Mar 2022 15:25

Tgt Ion: 62 Resp: 83
Ion Ratio Lower Upper
62 100
64 81.4 25.0 37.6

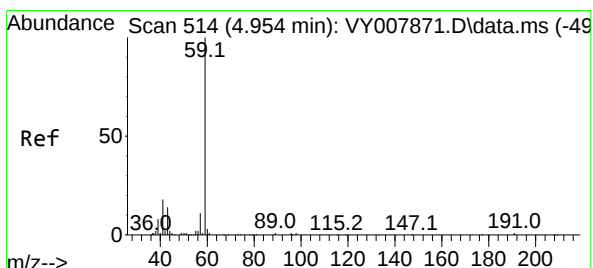
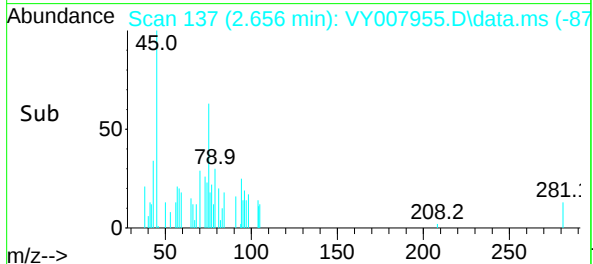
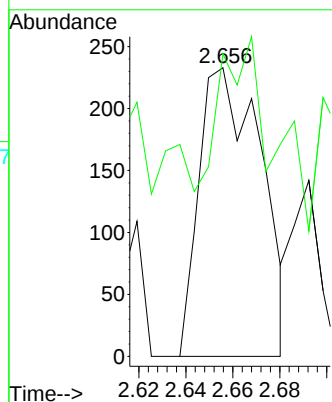
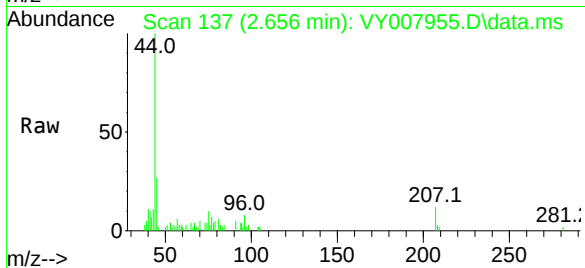




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY007955.D
Acq: 21 Mar 2022 15:25

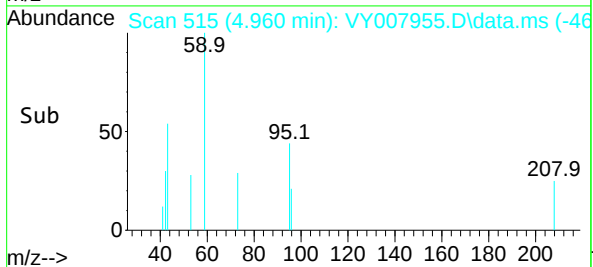
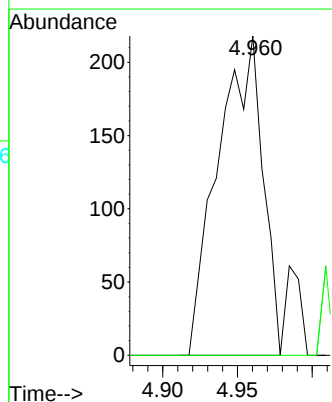
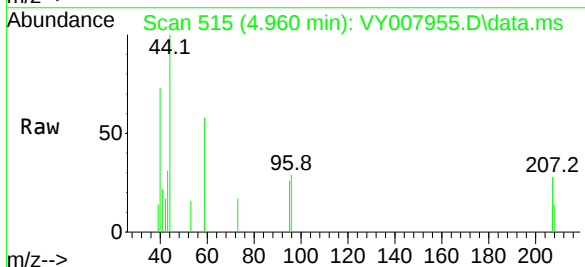
Instrument :
MSVOA_Y
ClientSampleId :
124055

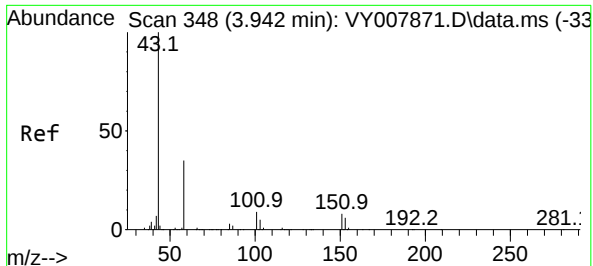
Tgt Ion: 94 Resp: 427
Ion Ratio Lower Upper
94 100
96 31.3 73.5 110.3#



#11
Tert butyl alcohol
Concen: 1.449 ug/l
RT: 4.960 min Scan# 515
Delta R.T. 0.006 min
Lab File: VY007955.D
Acq: 21 Mar 2022 15:25

Tgt Ion: 59 Resp: 452
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

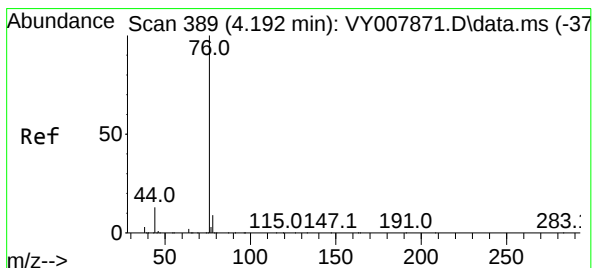
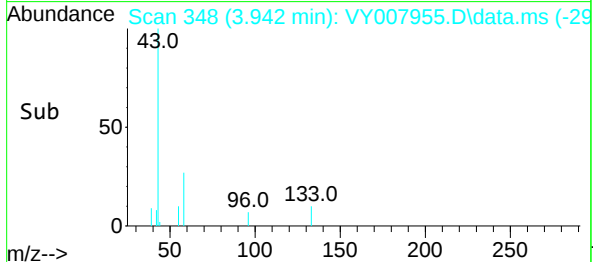
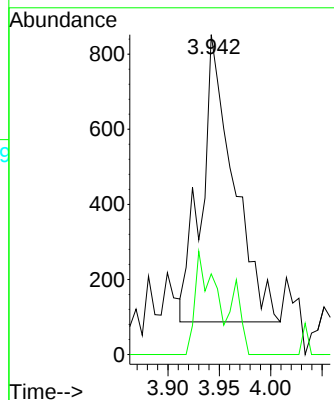
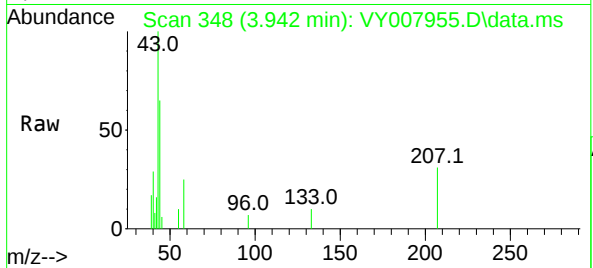




#16
Acetone
Concen: 2.338 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY007955.D
Acq: 21 Mar 2022 15:25

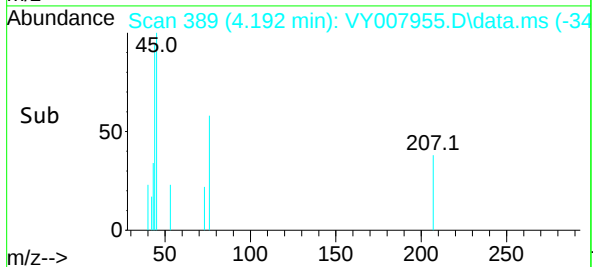
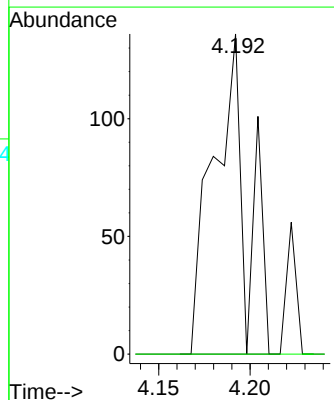
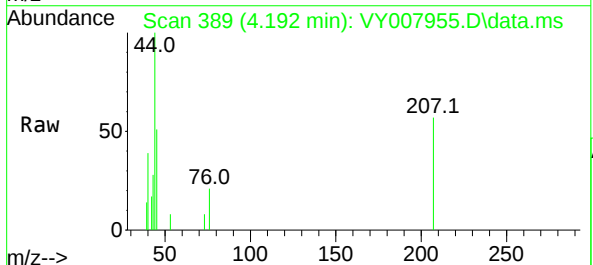
Instrument :
MSVOA_Y
ClientSampleId :
124055

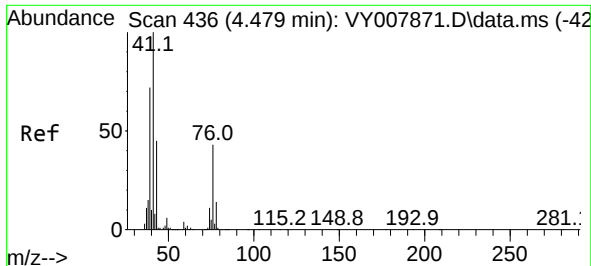
Tgt Ion: 43 Resp: 1661
Ion Ratio Lower Upper
43 100
58 28.1 22.0 33.0



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 389
Delta R.T. -0.000 min
Lab File: VY007955.D
Acq: 21 Mar 2022 15:25

Tgt Ion: 76 Resp: 174
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

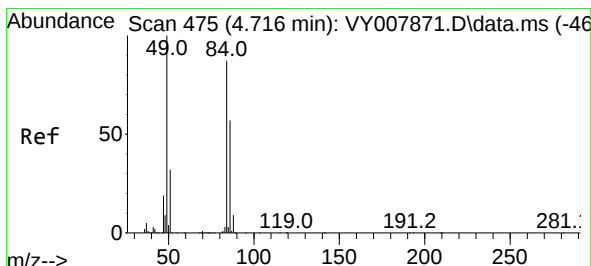
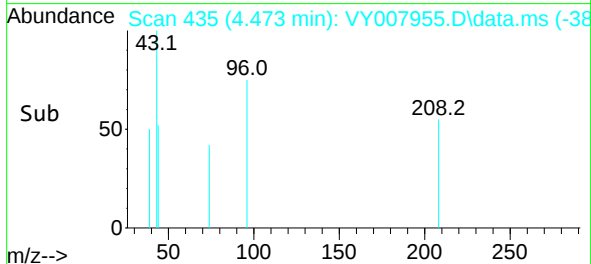
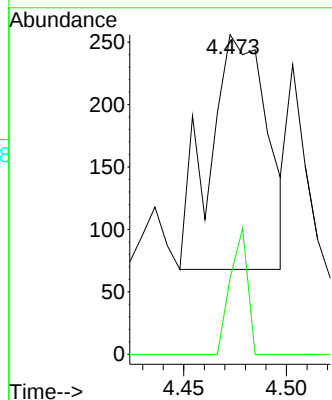
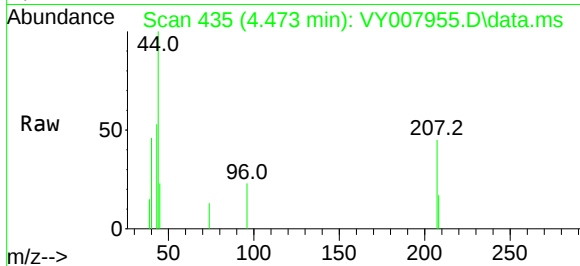




#18
Methyl Acetate
Concen: Below Cal
RT: 4.473 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY007955.D
Acq: 21 Mar 2022 15:25

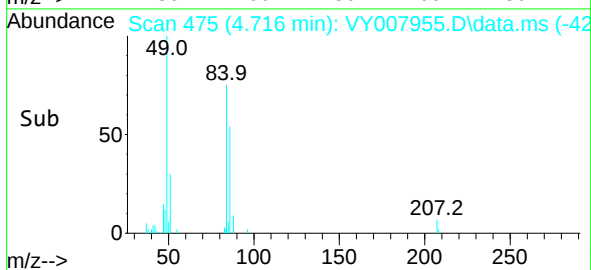
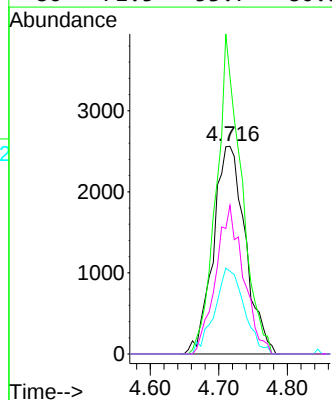
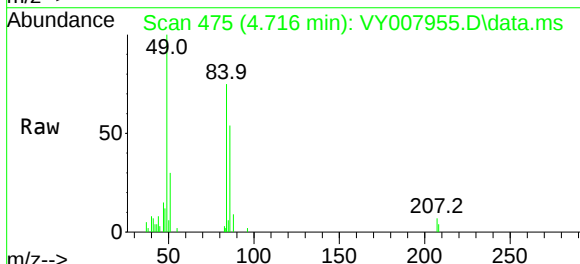
Instrument :
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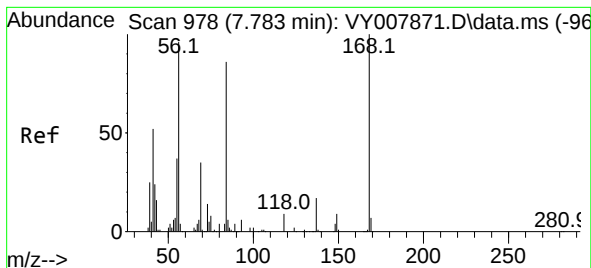
Tgt Ion: 43 Resp: 369
Ion Ratio Lower Upper
43 100
74 16.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY007955.D
Acq: 21 Mar 2022 15:25

Tgt Ion: 84 Resp: 8293
Ion Ratio Lower Upper
84 100
49 133.5 114.4 171.6
51 39.9 35.3 52.9
86 71.5 53.7 80.5





#31

Cyclohexane

Concen: Below Cal

RT: 7.783 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY007955.D

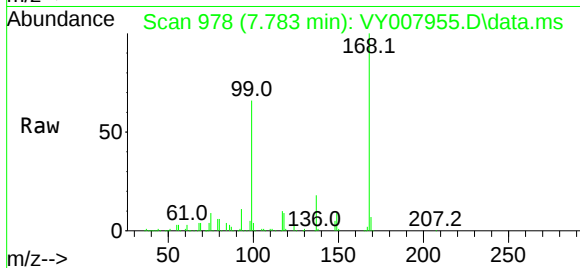
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Instrument :

MSVOA_Y

ClientSampleId :

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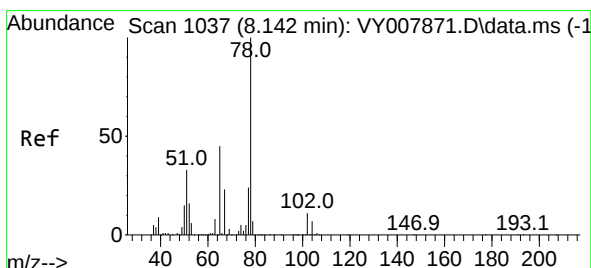
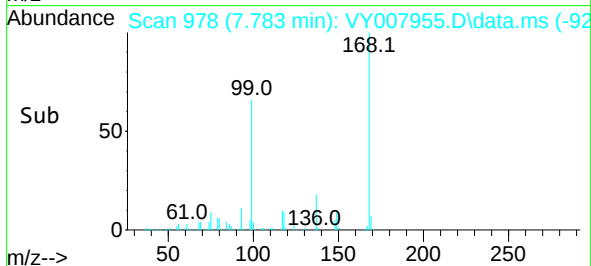
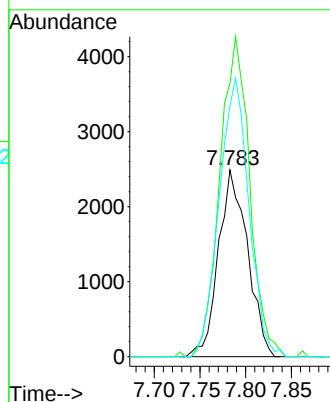
Tgt Ion: 56 Resp: 5511

Ion Ratio Lower Upper

56 100

69 143.9 26.7 40.1#

84 134.5 67.2 100.8#



#33

1,2-Dichloroethane-d4

Concen: 51.217 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VY007955.D

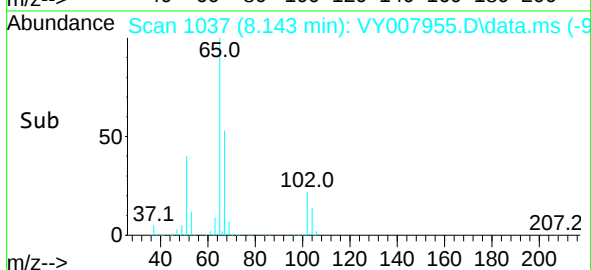
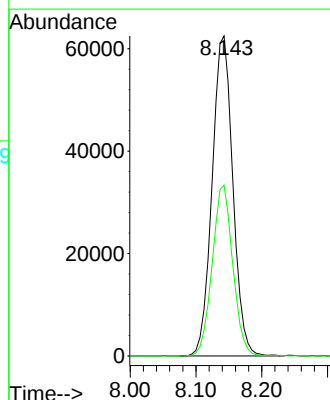
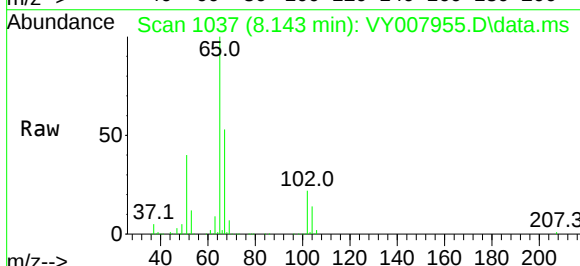
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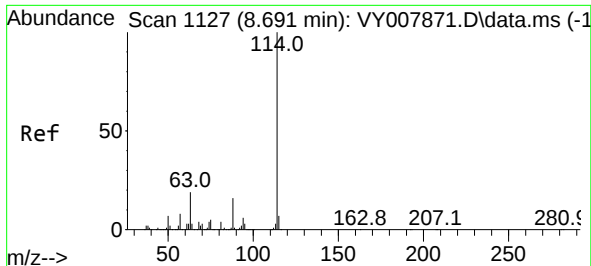
Tgt Ion: 65 Resp: 137133

Ion Ratio Lower Upper

65 100

67 53.0 0.0 99.4

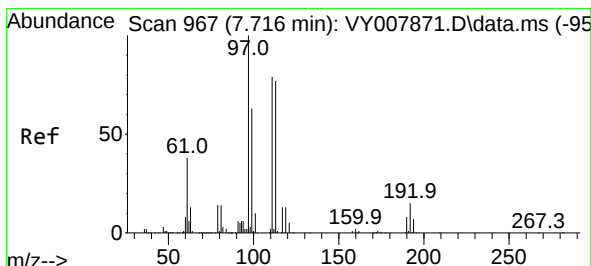
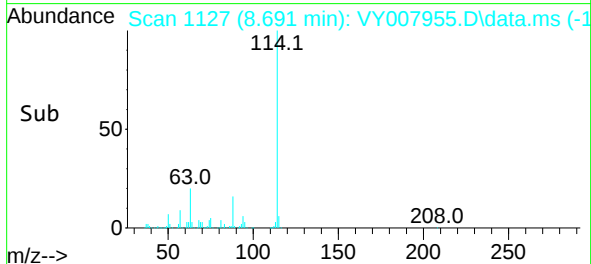
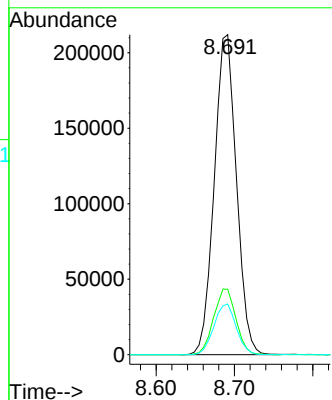
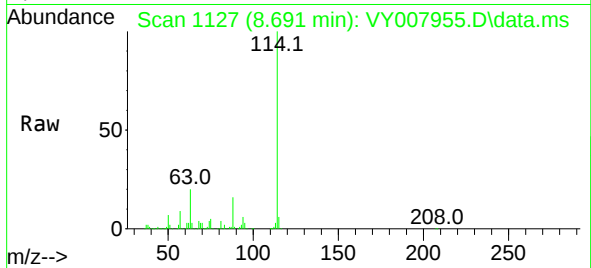




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY007955.D
Acq: 21 Mar 2022 15:25

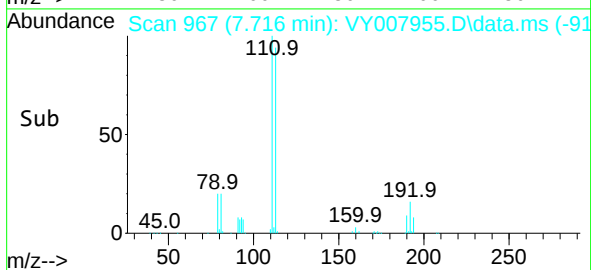
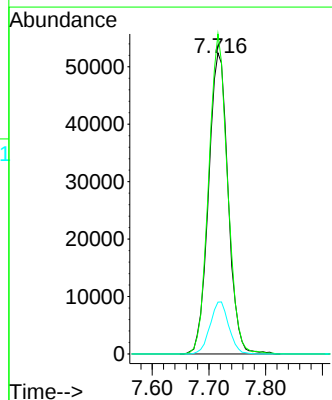
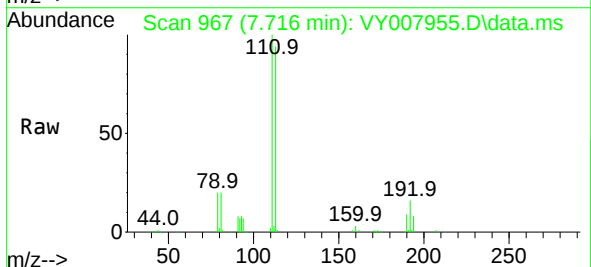
Instrument :
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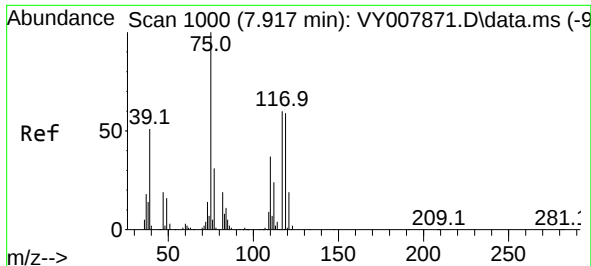
Tgt Ion:114 Resp: 417450
Ion Ratio Lower Upper
114 100
63 20.4 0.0 43.2
88 15.8 0.0 31.8



#35
Dibromofluoromethane
Concen: 42.786 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY007955.D
Acq: 21 Mar 2022 15:25

Tgt Ion:113 Resp: 125437
Ion Ratio Lower Upper
113 100
111 102.8 82.6 124.0
192 16.6 17.6 26.4#





#36

1,1-Dichloropropene

Concen: 4.689 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY007955.D

Acq: 21 Mar 2022 15:25

Instrument :

MSVOA_Y

ClientSampleId :

124055

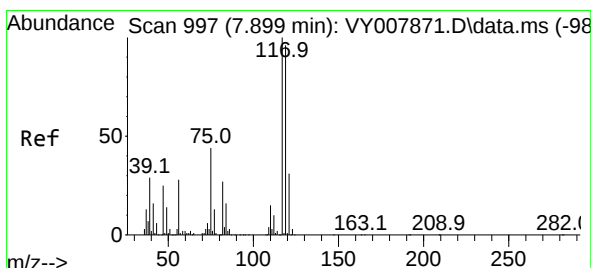
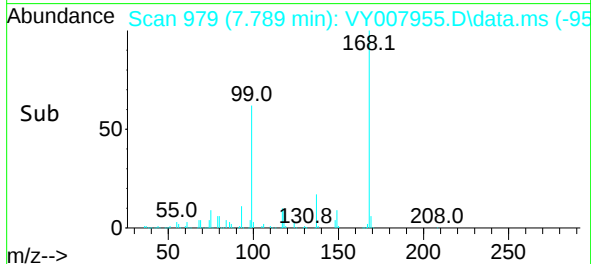
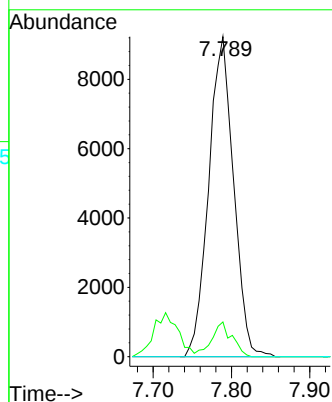
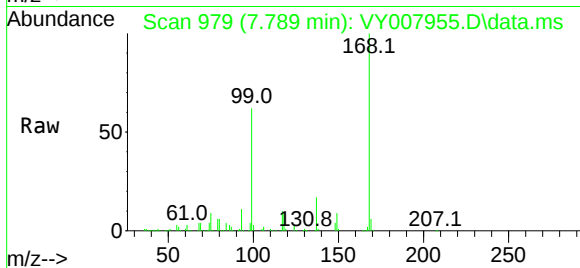
Tgt Ion: 75 Resp: 20389

Ion Ratio Lower Upper

75 100

110 8.9 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.215 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY007955.D

Acq: 21 Mar 2022 15:25

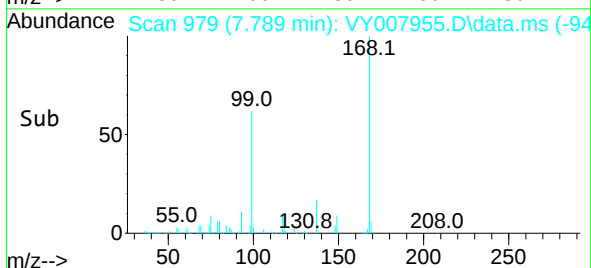
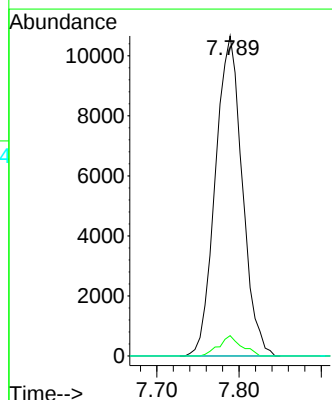
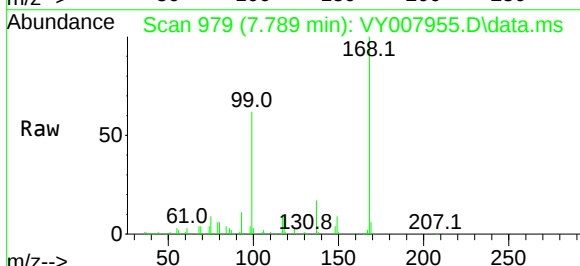
Tgt Ion: 117 Resp: 24230

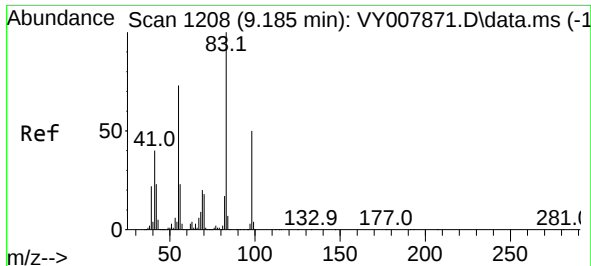
Ion Ratio Lower Upper

117 100

119 6.3 77.9 116.9#

121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: Below Cal

RT: 9.374 min Scan# 11

Delta R.T. 0.189 min

Lab File: VY007955.D

Acq: 21 Mar 2022 15:25

Instrument :

MSVOA_Y

ClientSampleId :

124055

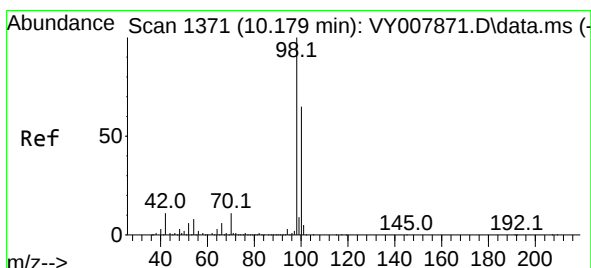
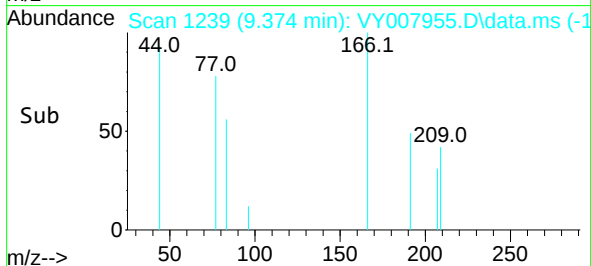
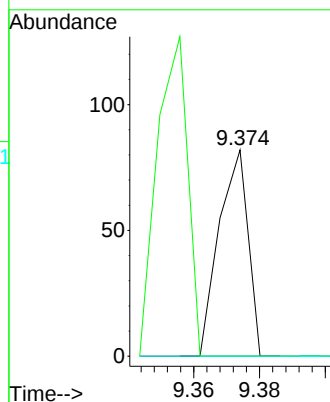
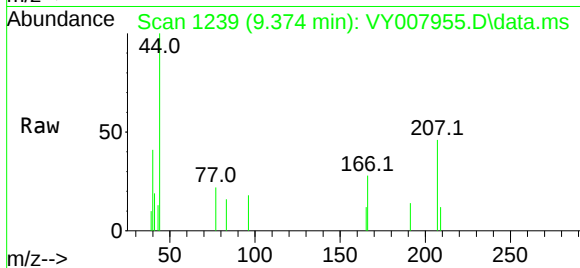
Tgt Ion: 83 Resp: 50

Ion Ratio Lower Upper

83 100

55 0.0 66.5 99.7#

98 0.0 37.9 56.9#



#50

Toluene-d8

Concen: 58.436 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY007955.D

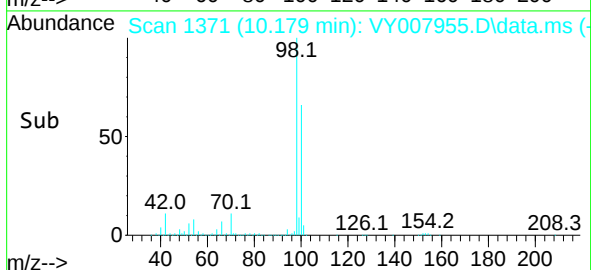
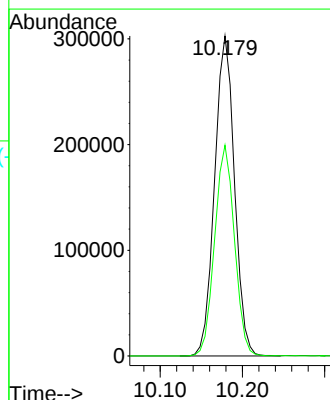
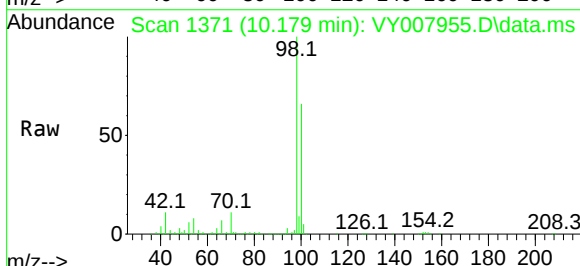
Acq: 21 Mar 2022 15:25

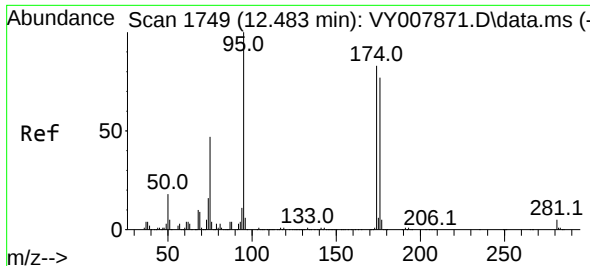
Tgt Ion: 98 Resp: 508523

Ion Ratio Lower Upper

98 100

100 65.8 50.2 75.2

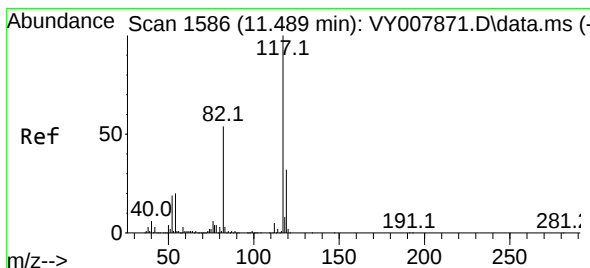
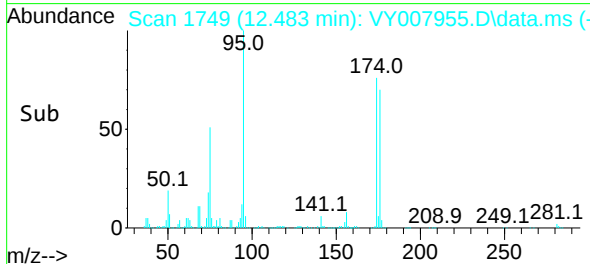
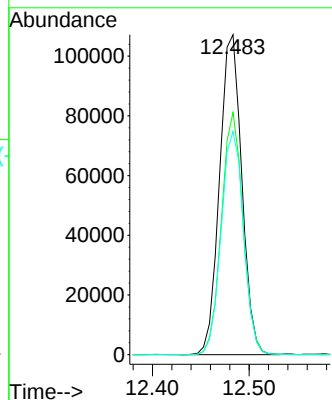
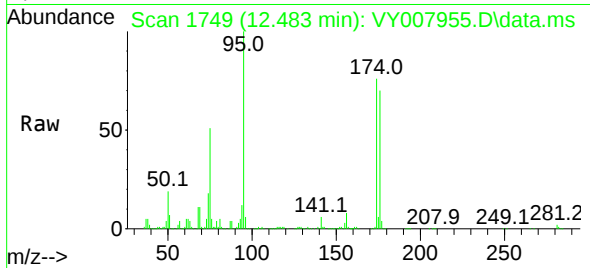




#62
4-Bromofluorobenzene
Concen: 40.621 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY007955.D
Acq: 21 Mar 2022 15:25

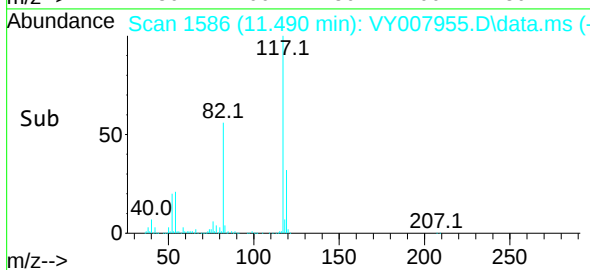
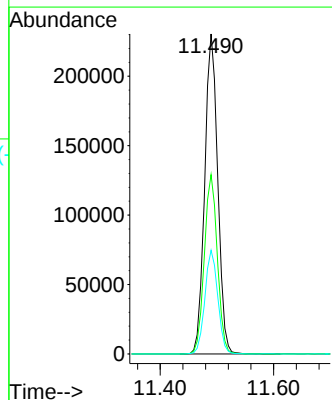
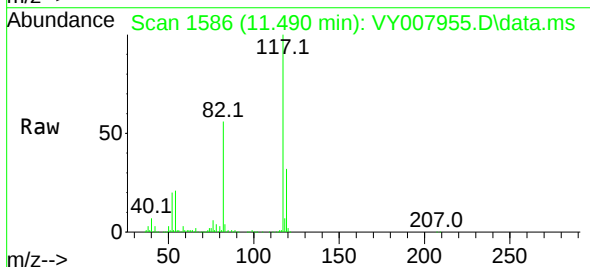
Instrument :
MSVOA_Y
ClientSampleId :
124055

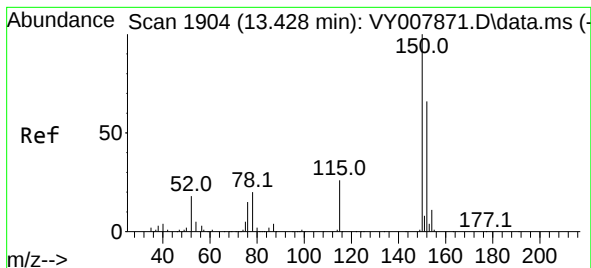
Tgt Ion: 95 Resp: 170916
Ion Ratio Lower Upper
95 100
174 73.3 0.0 177.0
176 70.3 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY007955.D
Acq: 21 Mar 2022 15:25

Tgt Ion: 117 Resp: 367918
Ion Ratio Lower Upper
117 100
82 56.1 43.0 64.4
119 32.4 25.4 38.0

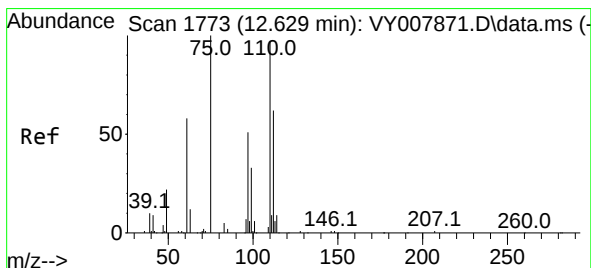
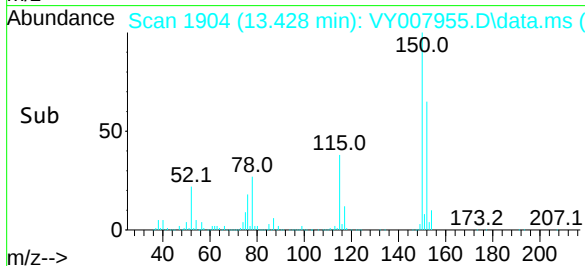
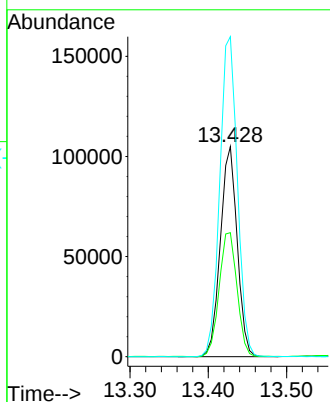
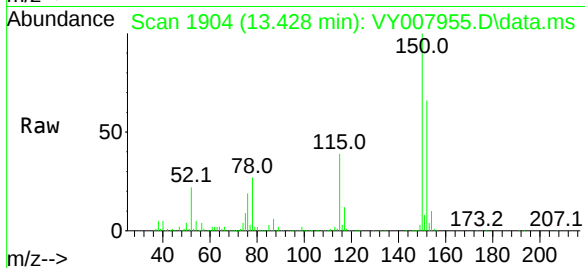




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY007955.D
 Acq: 21 Mar 2022 15:25

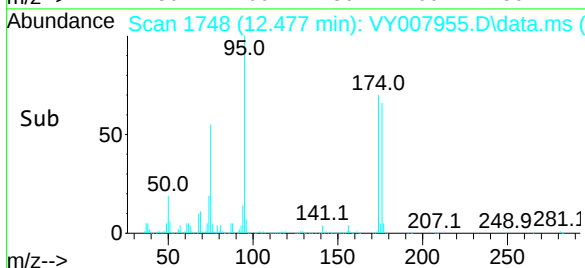
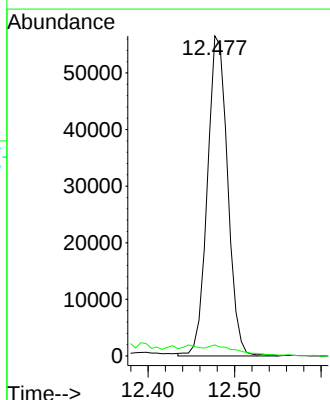
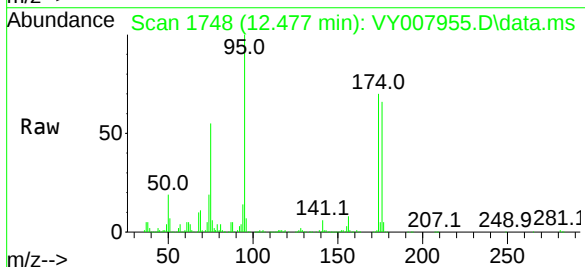
Instrument :
 MSVOA_Y
 ClientSampleId :
 124055

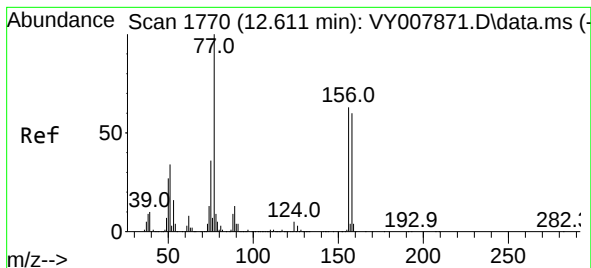
Tgt Ion:152 Resp: 157232
 Ion Ratio Lower Upper
 152 100
 115 62.6 28.2 84.7
 150 159.1 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 41.004 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.159 min
 Lab File: VY007955.D
 Acq: 21 Mar 2022 15:25

Tgt Ion: 75 Resp: 91893
 Ion Ratio Lower Upper
 75 100
 77 4.7 0.0 0.0#





#77

Bromobenzene

Concen: 16.714 ug/l

RT: 12.392 min Scan# 11

Delta R.T. -0.220 min

Lab File: VY007955.D

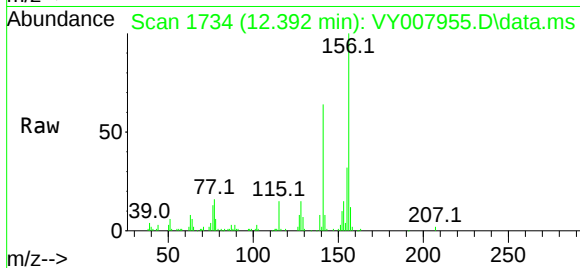
Acq: 21 Mar 2022 15:25

Instrument :

MSVOA_Y

ClientSampleId :

124055



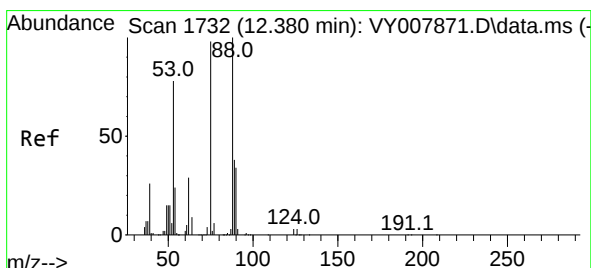
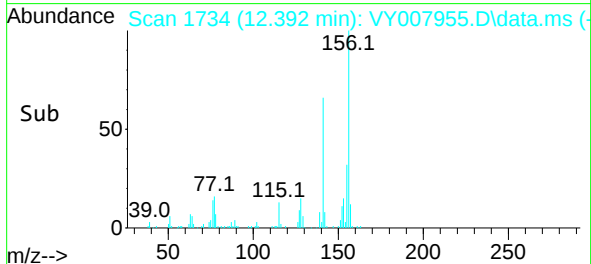
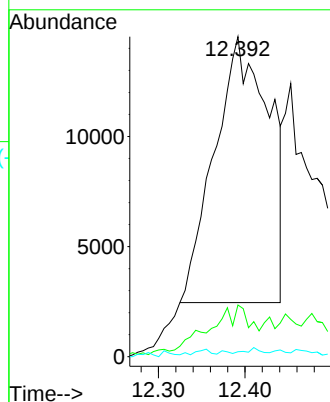
Tgt Ion:156 Resp: 52861

Ion Ratio Lower Upper

156 100

77 0.0 95.5 286.4#

158 0.9 48.0 144.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 86.125 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.098 min

Lab File: VY007955.D

Acq: 21 Mar 2022 15:25

Tgt Ion: 75 Resp: 91893

Ion Ratio Lower Upper

75 100

53 0.2 85.3 127.9#

89 0.0 37.0 55.4#

