

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032122\
 Data File : VY007954.D
 Acq On : 21 Mar 2022 15:02
 Operator : SY/MD
 Sample : N1983-05RE
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 124019

Quant Time: Mar 21 16:05:18 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)

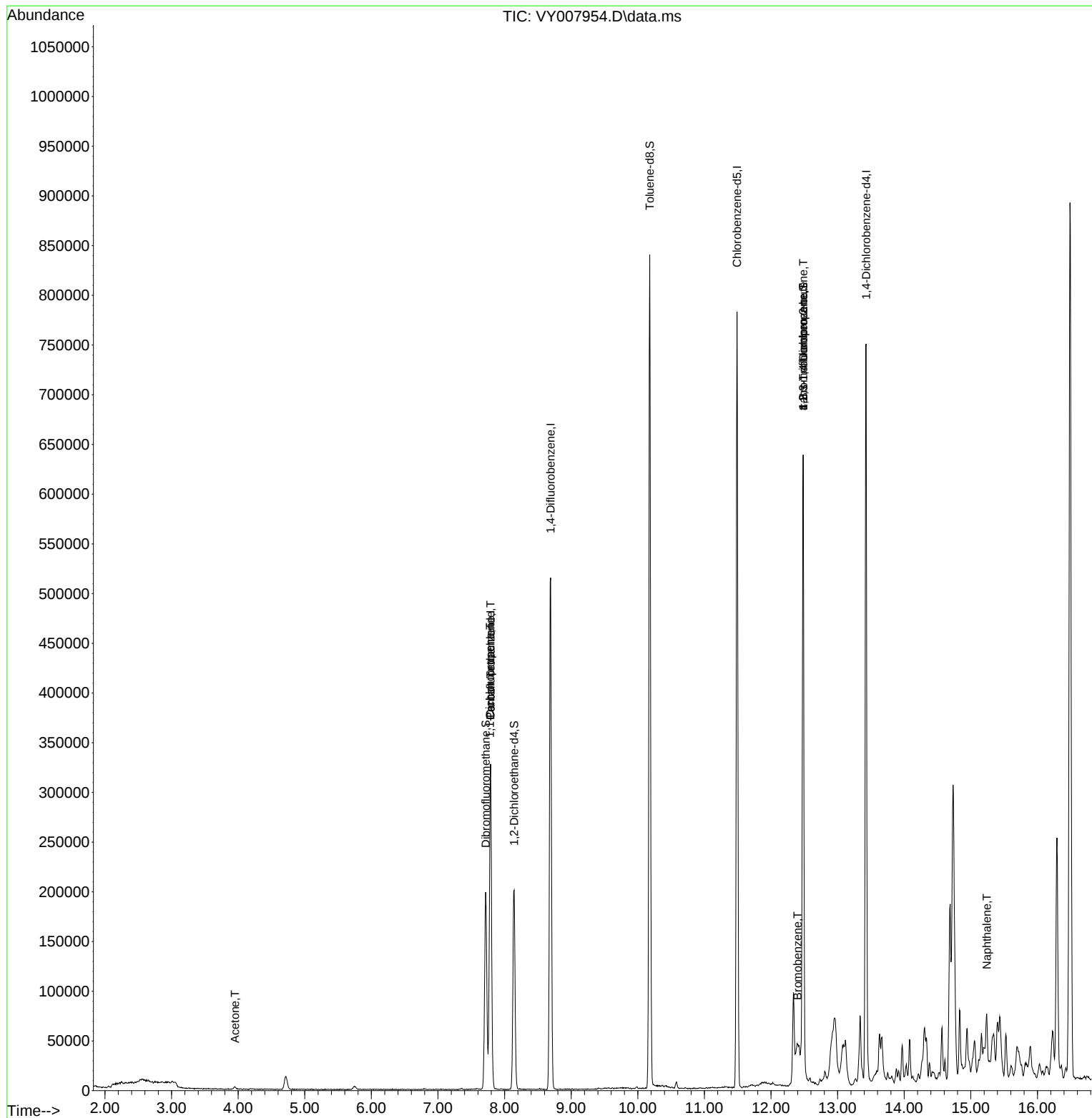
Internal Standards						
1) Pentafluorobenzene	7.789	168	243020	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	450496	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	411980	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	179038	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	155034	55.951	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.900%			
35) Dibromofluoromethane	7.716	113	140143	44.296	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 88.600%			
50) Toluene-d8	10.179	98	550002	58.581	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 117.160%			
62) 4-Bromofluorobenzene	12.483	95	194701	42.880	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 85.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	66	Below Cal	#	43
3) Chloromethane	2.113	50	711	Below Cal		100
4) Vinyl Chloride	2.247	62	279	Below Cal	#	43
5) Bromomethane	2.650	94	371	Below Cal		94
16) Acetone	3.954	43	3650	4.965	ug/l	99
17) Carbon Disulfide	4.375	76	25	Below Cal	#	75
18) Methyl Acetate	4.466	43	397	Below Cal	#	56
20) Methylene Chloride	4.716	84	9992	Below Cal	#	85
31) Cyclohexane	7.789	56	5631	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	21046	4.485	ug/l	# 50
38) Carbon Tetrachloride	7.789	117	25715	5.128	ug/l	# 15
39) Methylcyclohexane	9.020	83	38	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.483	75	103906	40.717	ug/l	# 100
77) Bromobenzene	12.398	156	36135	10.034	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.483	75	103906	85.523	ug/l	# 7
95) Naphthalene	15.239	128	45779	5.131	ug/l	97

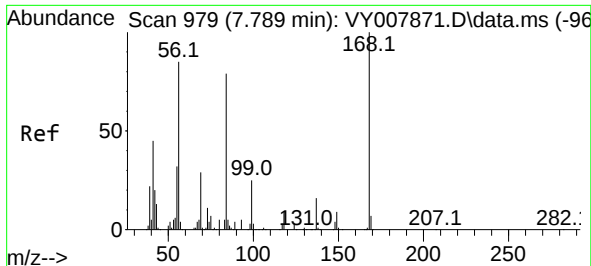
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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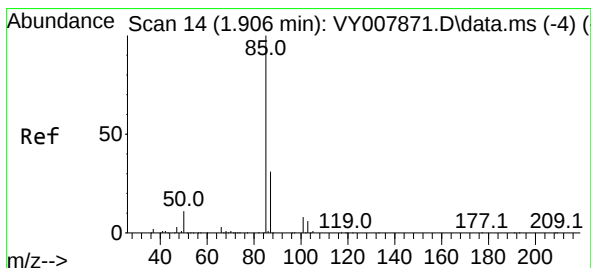
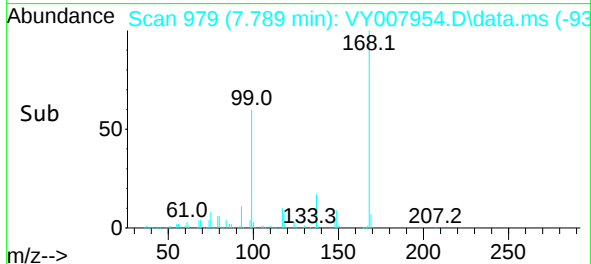
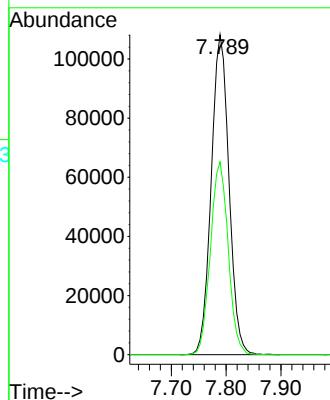
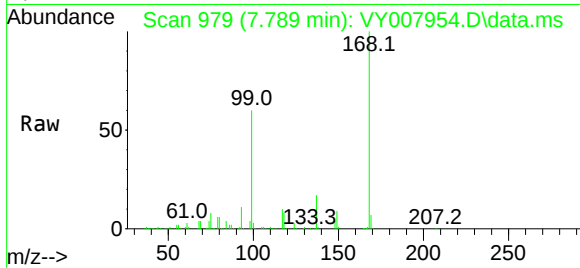




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007954.D
Acq: 21 Mar 2022 15:02

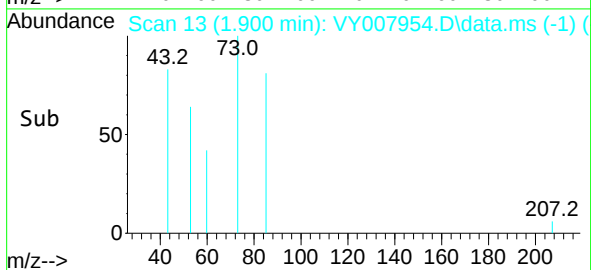
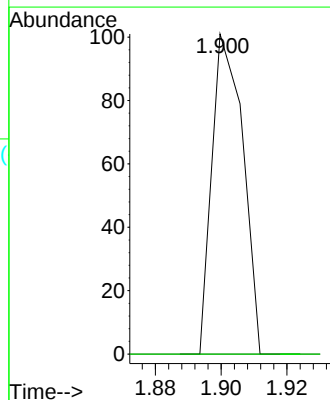
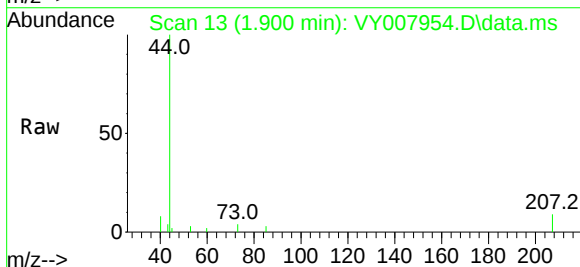
Instrument :
MSVOA_Y
ClientSampleId :
124019

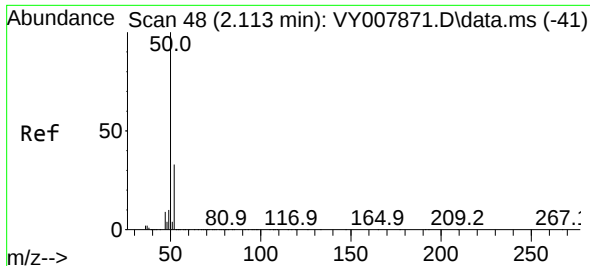
Tgt Ion:168 Resp: 243020
Ion Ratio Lower Upper
168 100
99 60.3 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY007954.D
Acq: 21 Mar 2022 15:02

Tgt Ion: 85 Resp: 66
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

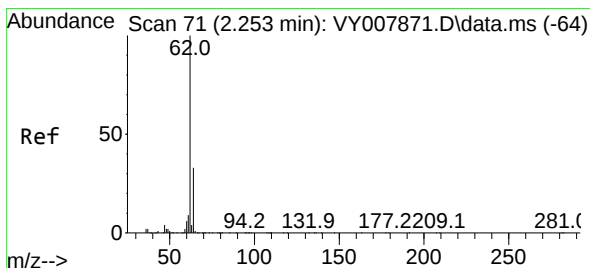
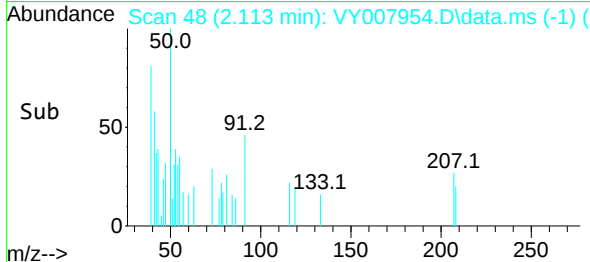
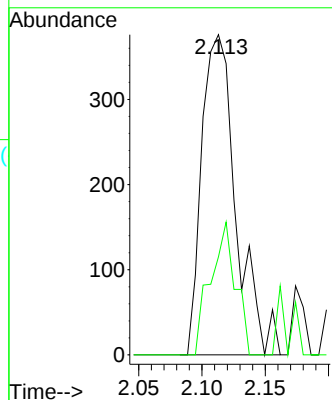
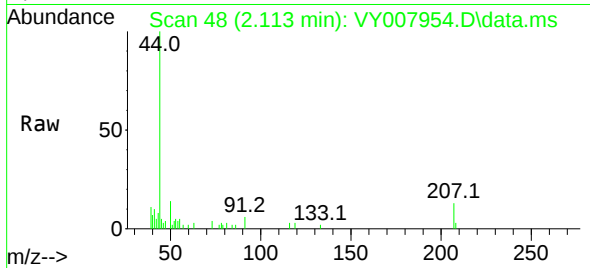




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY007954.D
Acq: 21 Mar 2022 15:02

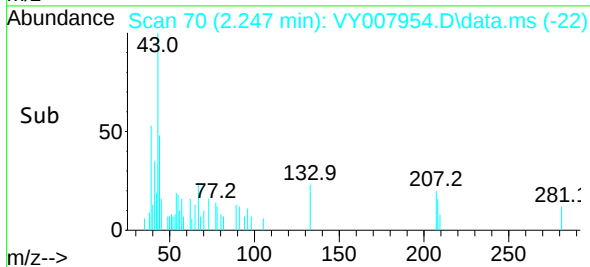
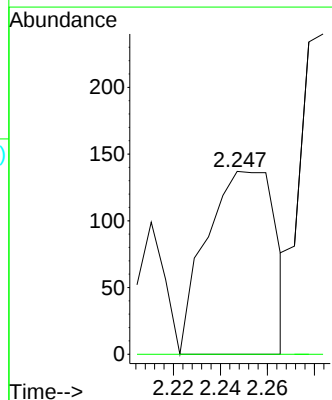
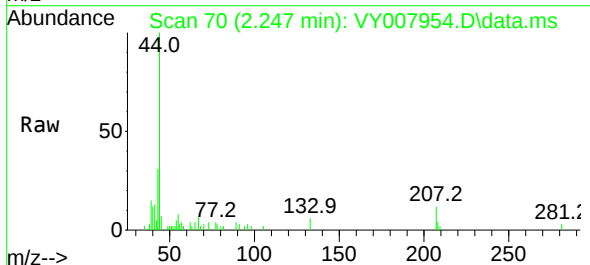
Instrument :
MSVOA_Y
ClientSampleId :
124019

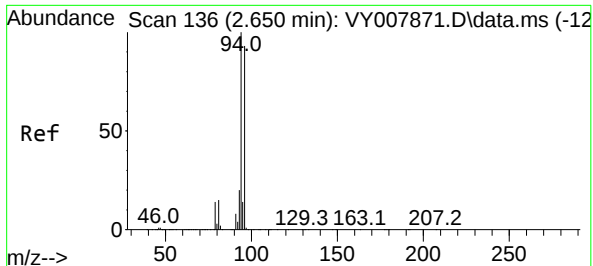
Tgt Ion: 50 Resp: 711
Ion Ratio Lower Upper
50 100
52 30.6 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.247 min Scan# 70
Delta R.T. -0.006 min
Lab File: VY007954.D
Acq: 21 Mar 2022 15:02

Tgt Ion: 62 Resp: 279
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

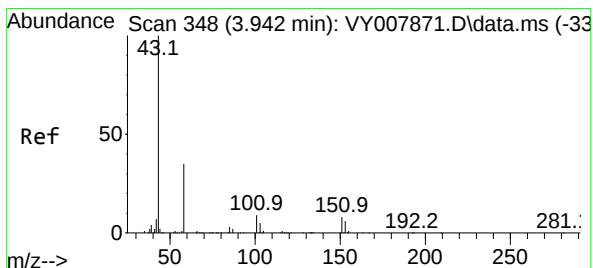
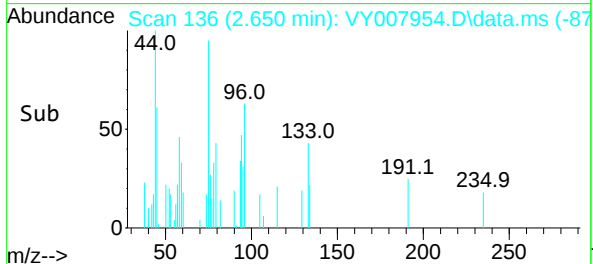
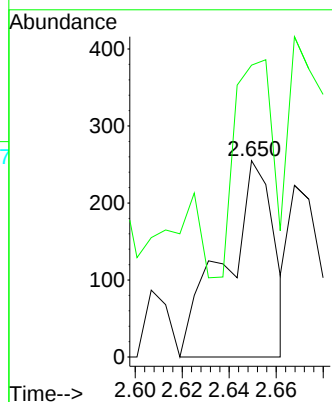
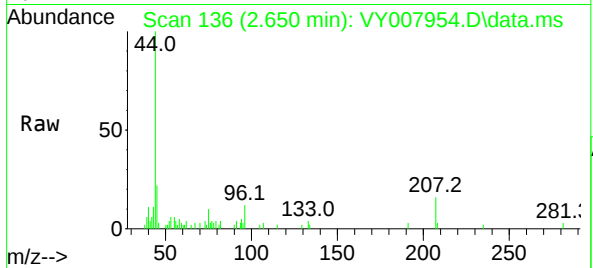




#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007954.D
Acq: 21 Mar 2022 15:02

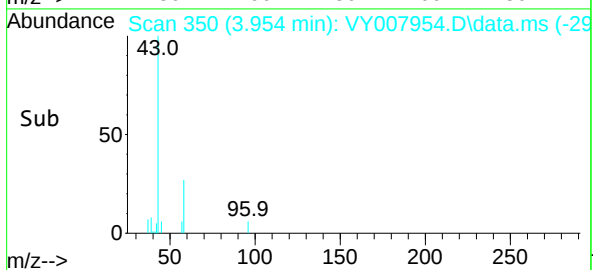
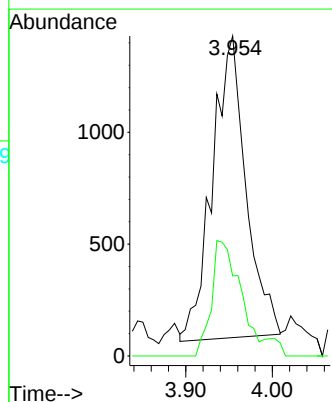
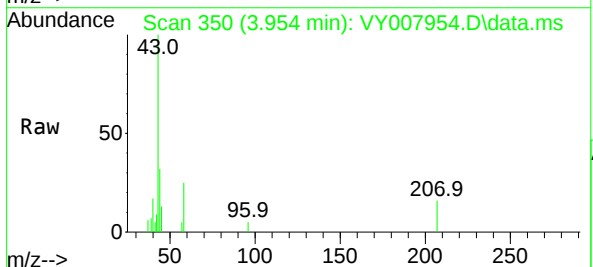
Instrument :
MSVOA_Y
ClientSampleId :
124019

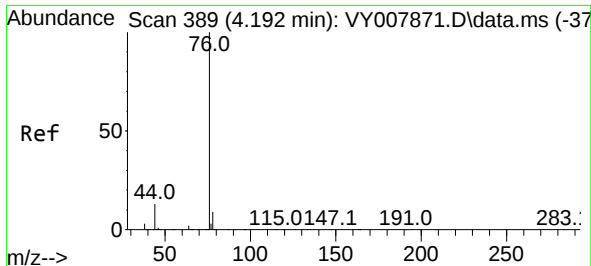
Tgt Ion: 94 Resp: 371
Ion Ratio Lower Upper
94 100
96 85.9 73.5 110.3



#16
Acetone
Concen: 4.965 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY007954.D
Acq: 21 Mar 2022 15:02

Tgt Ion: 43 Resp: 3650
Ion Ratio Lower Upper
43 100
58 26.8 22.0 33.0

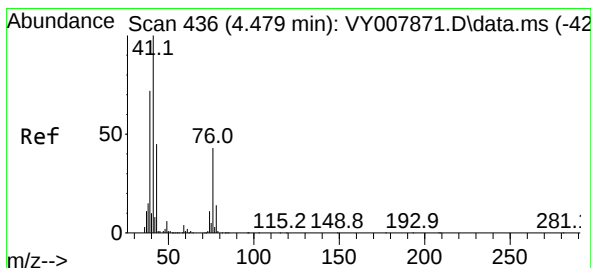
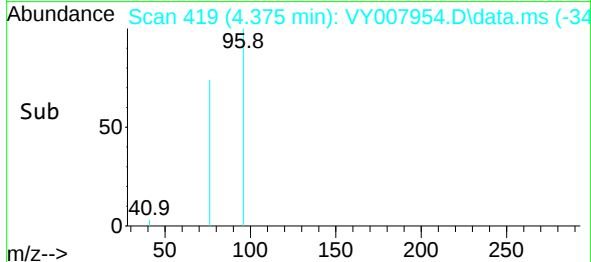
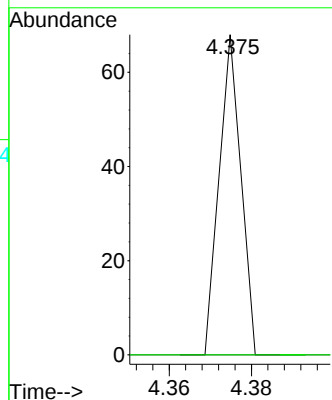
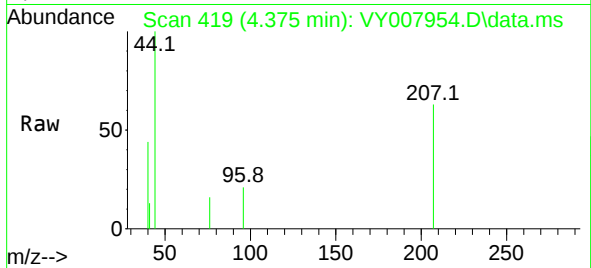




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.375 min Scan# 411
Delta R.T. 0.183 min
Lab File: VY007954.D
Acq: 21 Mar 2022 15:02

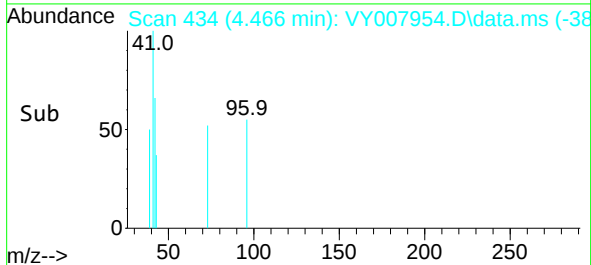
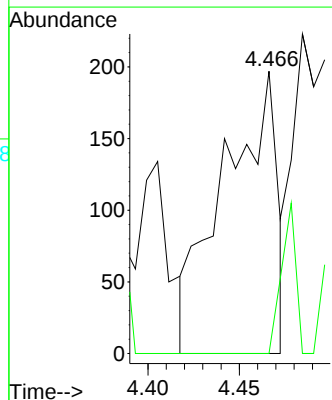
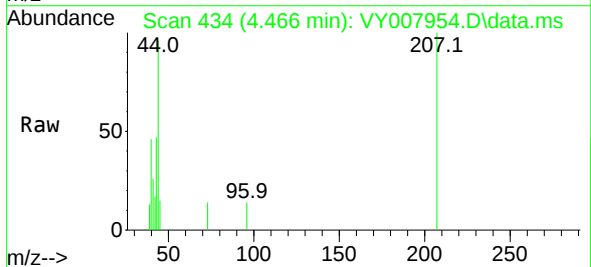
Instrument :
MSVOA_Y
ClientSampleId :
124019

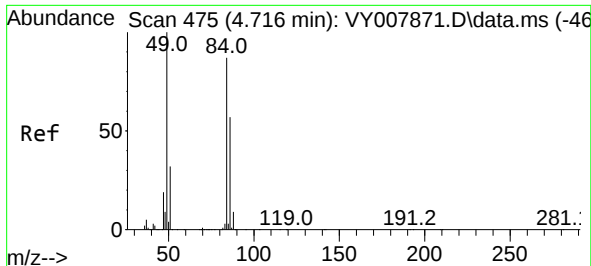
Tgt Ion: 76 Resp: 25
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.466 min Scan# 434
Delta R.T. -0.006 min
Lab File: VY007954.D
Acq: 21 Mar 2022 15:02

Tgt Ion: 43 Resp: 397
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 41

Delta R.T. -0.000 min

Lab File: VY007954.D

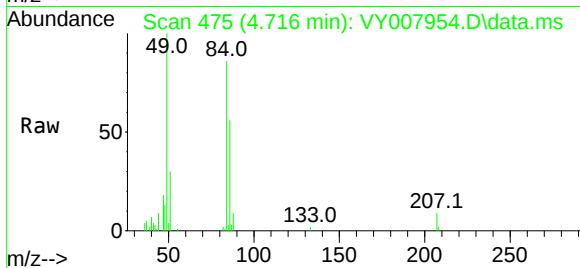
Acq: 21 Mar 2022 15:02

Instrument :

MSVOA_Y

ClientSampleId :

124019



Tgt Ion: 84 Resp: 9992

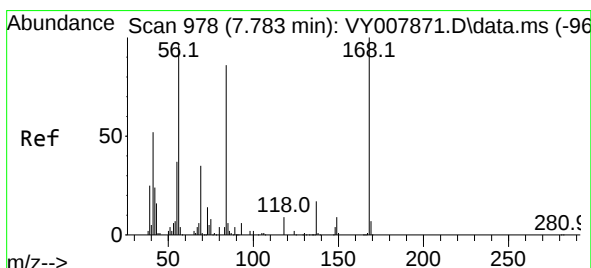
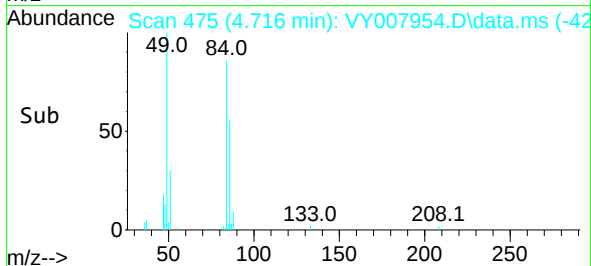
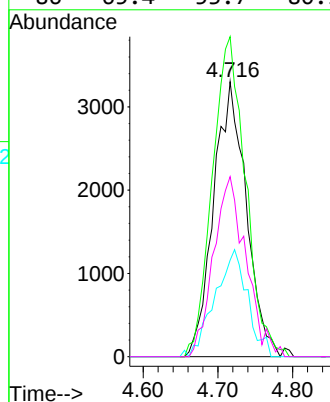
Ion Ratio Lower Upper

84 100

49 116.3 114.4 171.6

51 35.0 35.3 52.9#

86 65.4 53.7 80.5



#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY007954.D

Acq: 21 Mar 2022 15:02

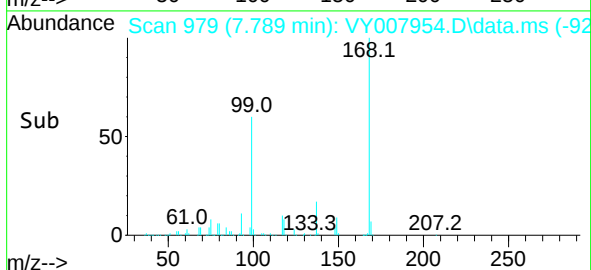
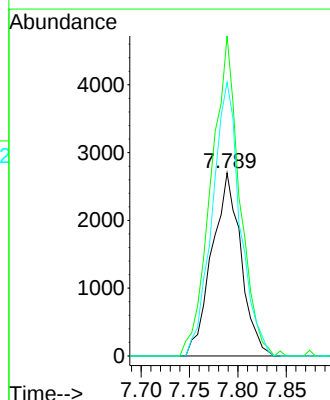
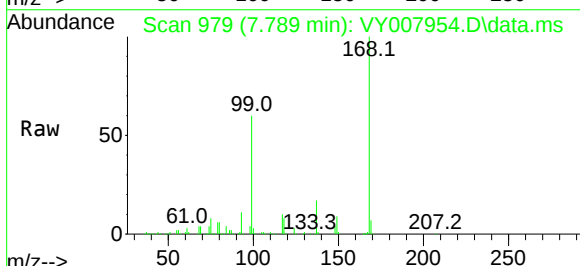
Tgt Ion: 56 Resp: 5631

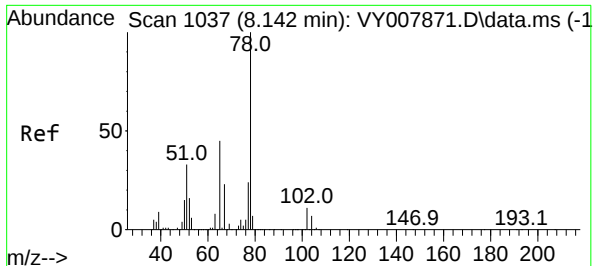
Ion Ratio Lower Upper

56 100

69 174.8 26.7 40.1#

84 149.5 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 55.951 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VY007954.D

Acq: 21 Mar 2022 15:02

Instrument :

MSVOA_Y

ClientSampleId :

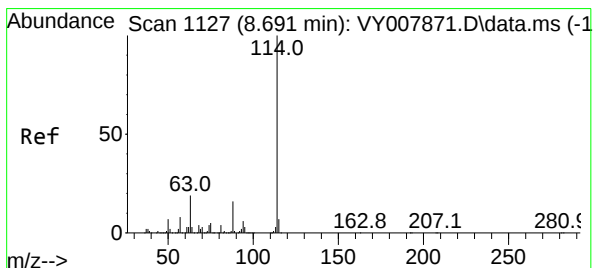
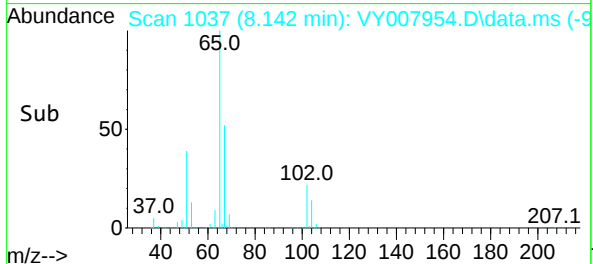
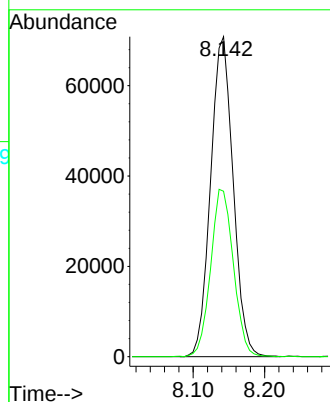
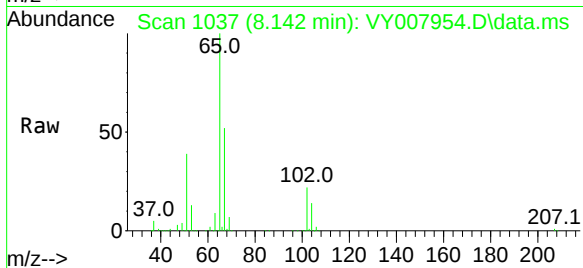
124019

Tgt Ion: 65 Resp: 155034

Ion Ratio Lower Upper

65 100

67 52.9 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: VY007954.D

Acq: 21 Mar 2022 15:02

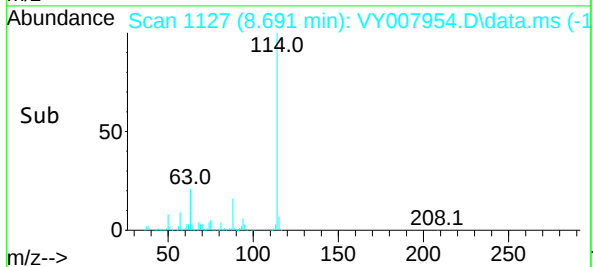
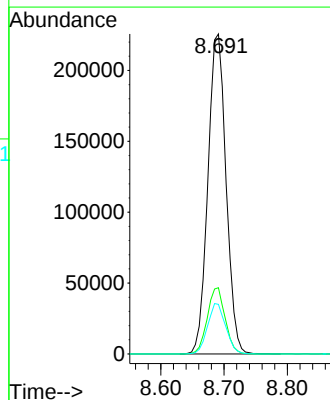
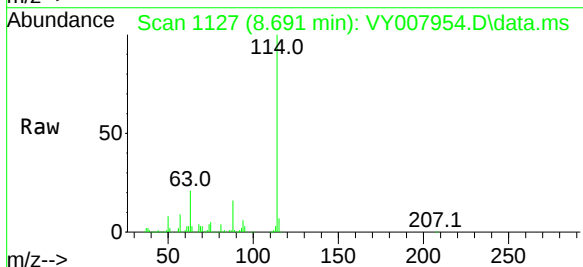
Tgt Ion: 114 Resp: 450496

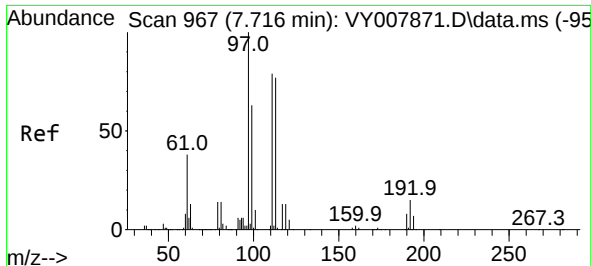
Ion Ratio Lower Upper

114 100

63 20.7 0.0 43.2

88 15.5 0.0 31.8

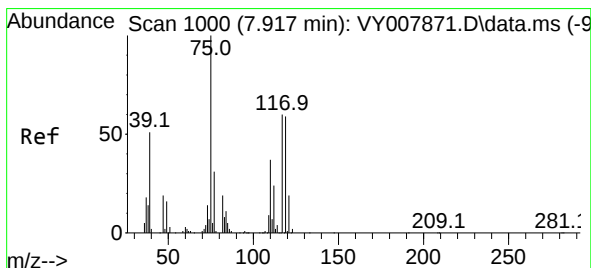
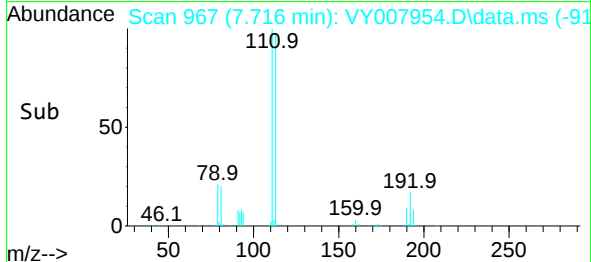
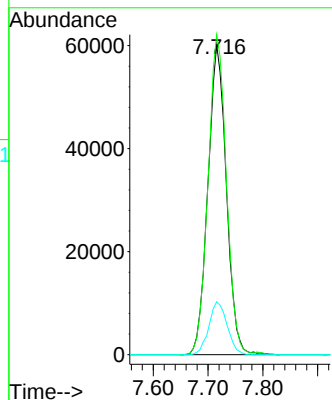
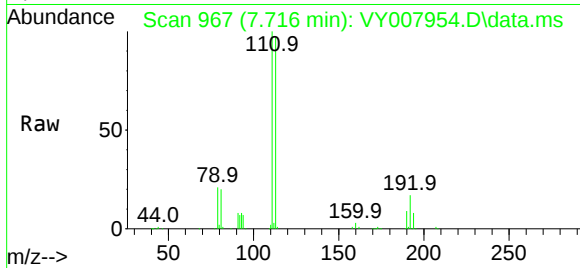




#35
Dibromofluoromethane
Concen: 44.296 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY007954.D
Acq: 21 Mar 2022 15:02

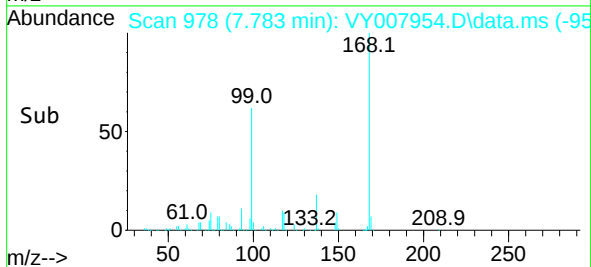
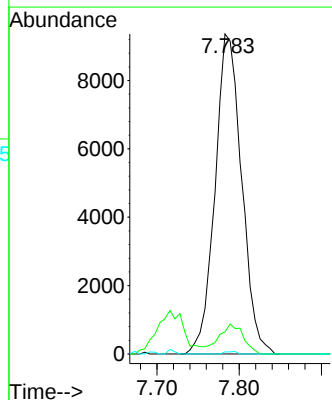
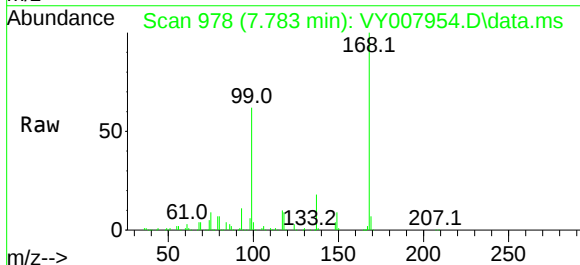
Instrument :
MSVOA_Y
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124019

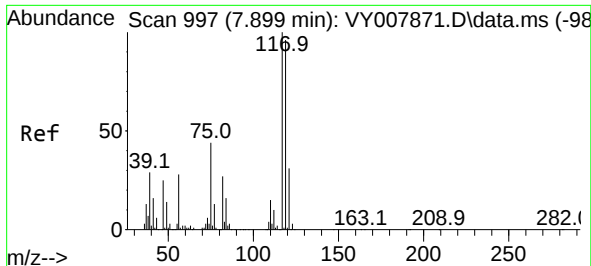
Tgt Ion:113 Resp: 140143
Ion Ratio Lower Upper
113 100
111 102.9 82.6 124.0
192 17.0 17.6 26.4#



#36
1,1-Dichloropropene
Concen: 4.485 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY007954.D
Acq: 21 Mar 2022 15:02

Tgt Ion: 75 Resp: 21046
Ion Ratio Lower Upper
75 100
110 8.5 17.1 51.2#
77 0.3 24.4 36.6#

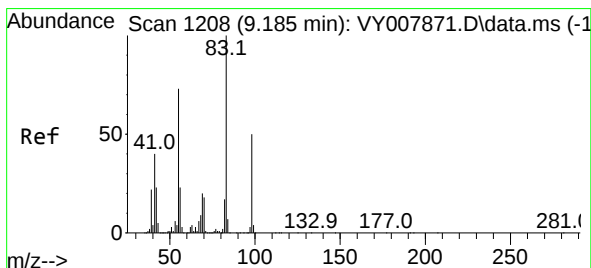
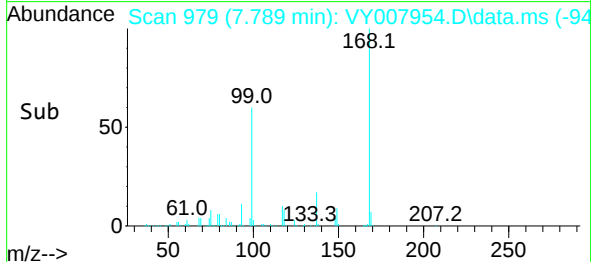
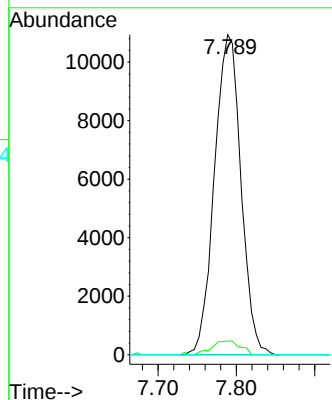
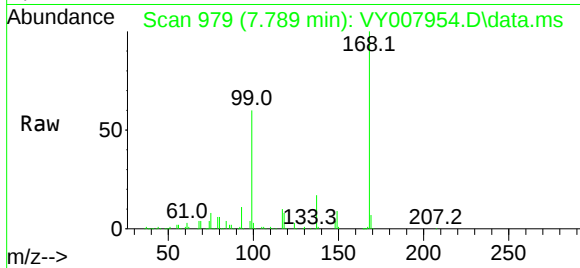




#38
Carbon Tetrachloride
Concen: 5.128 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY007954.D
Acq: 21 Mar 2022 15:02

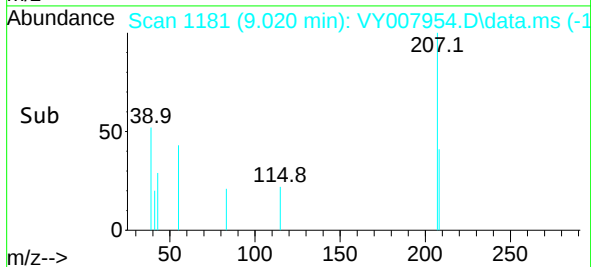
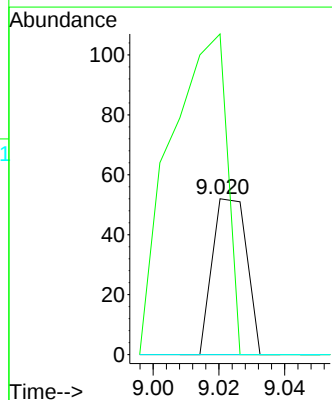
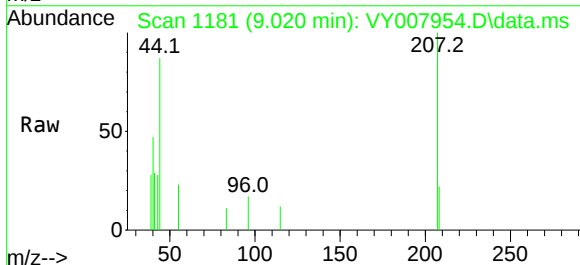
Instrument :
MSVOA_Y
ClientSampleId :
124019

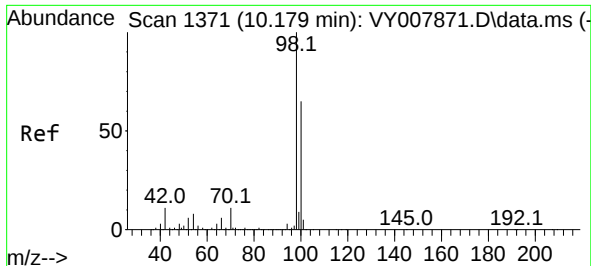
Tgt Ion:117 Resp: 25715
Ion Ratio Lower Upper
117 100
119 4.2 77.9 116.9#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: Below Cal
RT: 9.020 min Scan# 1181
Delta R.T. -0.165 min
Lab File: VY007954.D
Acq: 21 Mar 2022 15:02

Tgt Ion: 83 Resp: 38
Ion Ratio Lower Upper
83 100
55 205.8 66.5 99.7#
98 0.0 37.9 56.9#

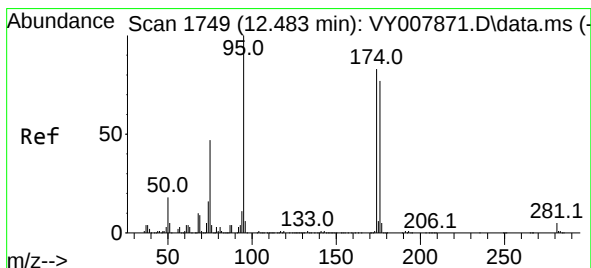
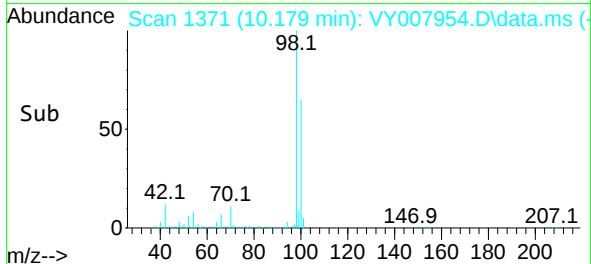
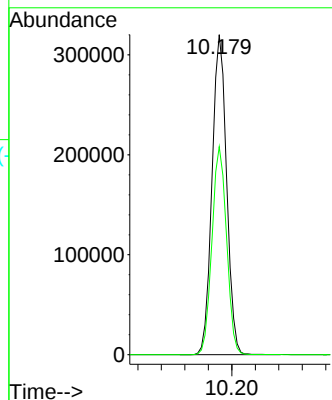
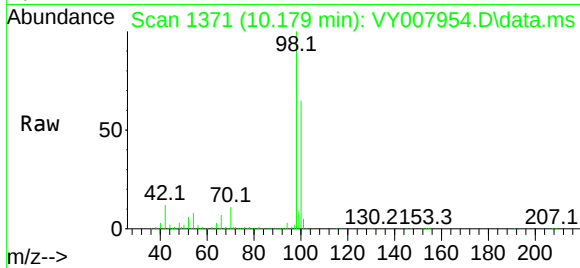




#50
Toluene-d8
Concen: 58.581 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007954.D
Acq: 21 Mar 2022 15:02

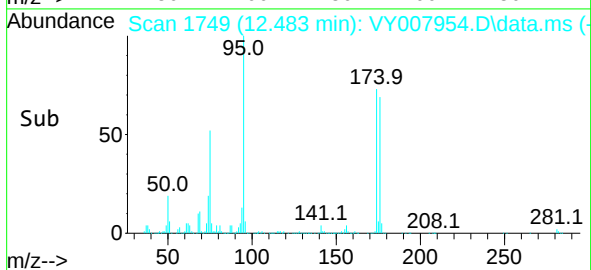
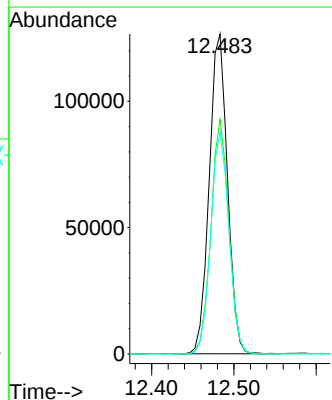
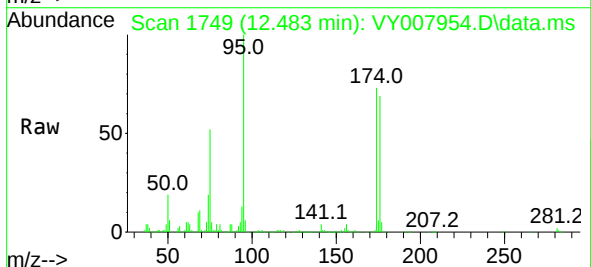
Instrument :
MSVOA_Y
ClientSampleId :
124019

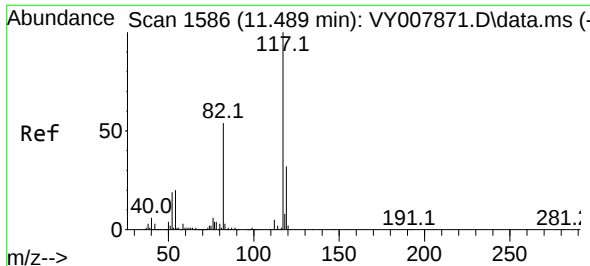
Tgt Ion: 98 Resp: 550002
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 42.880 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY007954.D
Acq: 21 Mar 2022 15:02

Tgt Ion: 95 Resp: 194701
Ion Ratio Lower Upper
95 100
174 72.3 0.0 177.0
176 69.0 0.0 175.8

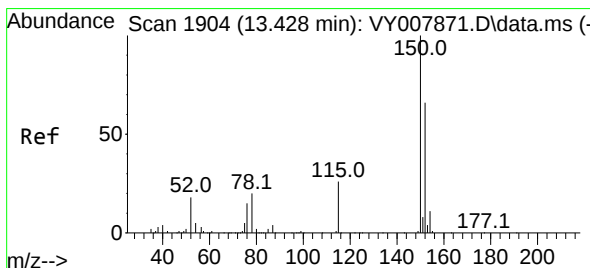
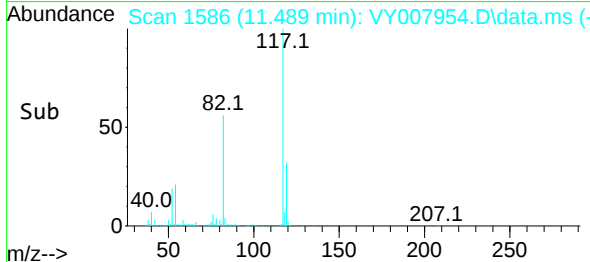
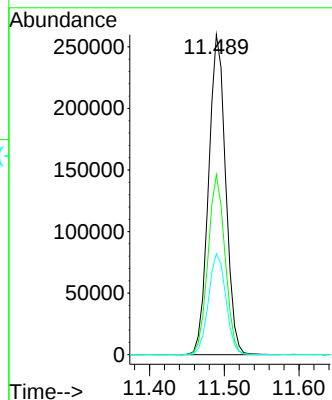
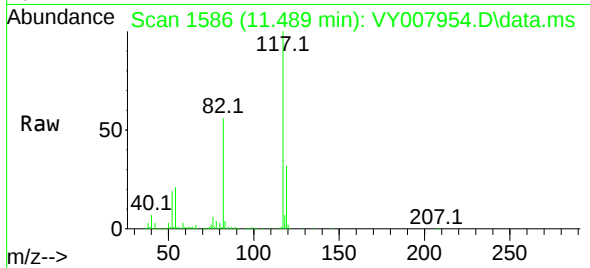




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY007954.D
Acq: 21 Mar 2022 15:02

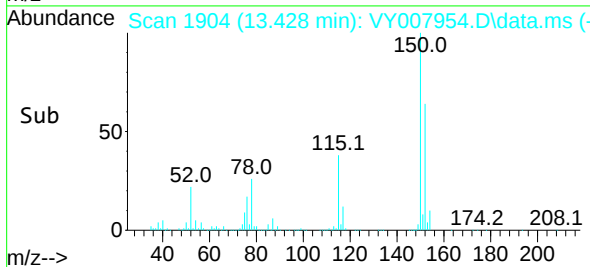
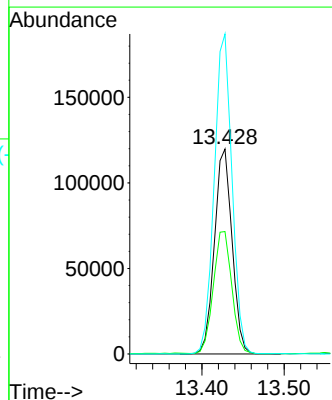
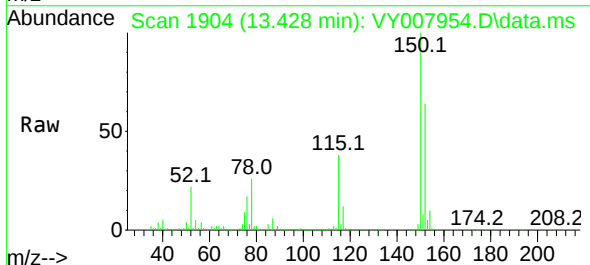
Instrument :
MSVOA_Y
ClientSampleId :
124019

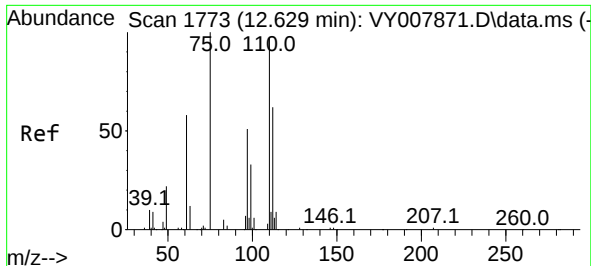
Tgt Ion:117 Resp: 411980
Ion Ratio Lower Upper
117 100
82 56.2 43.0 64.4
119 31.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY007954.D
Acq: 21 Mar 2022 15:02

Tgt Ion:152 Resp: 179038
Ion Ratio Lower Upper
152 100
115 62.2 28.2 84.7
150 156.9 0.0 347.6

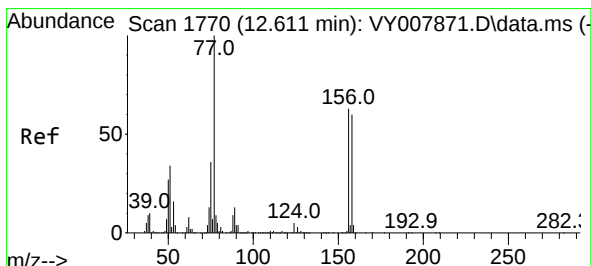
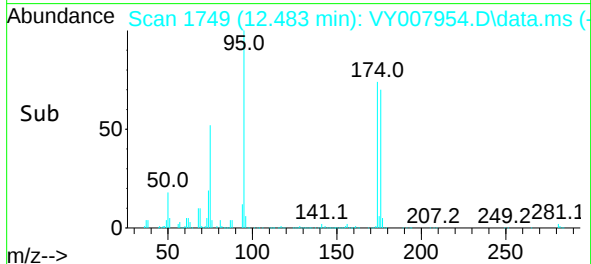
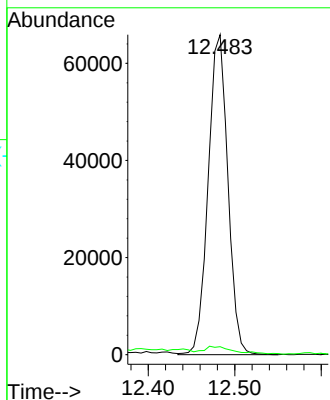
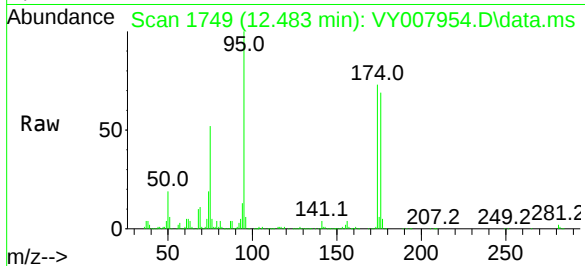




#76
1,2,3-Trichloropropane
Concen: 40.717 ug/l
RT: 12.483 min Scan# 1735
Delta R.T. -0.153 min
Lab File: VY007954.D
Acq: 21 Mar 2022 15:02

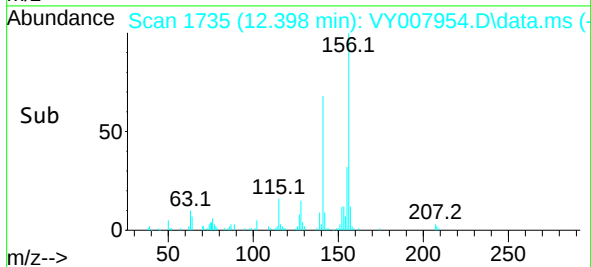
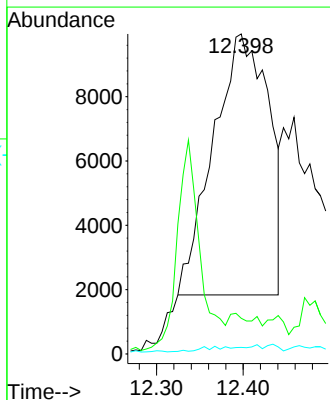
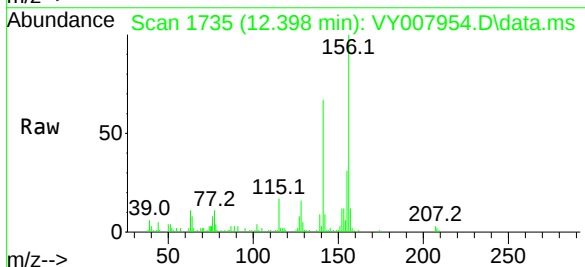
Instrument :
MSVOA_Y
ClientSampleId :
124019

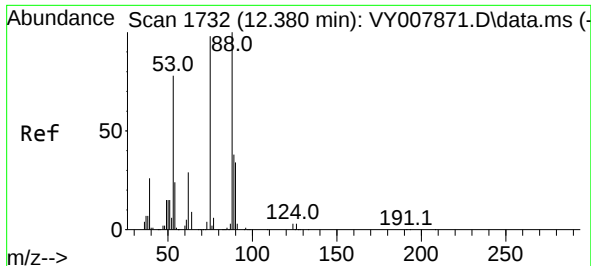
Tgt Ion: 75 Resp: 103906
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#



#77
Bromobenzene
Concen: 10.034 ug/l
RT: 12.398 min Scan# 1735
Delta R.T. -0.214 min
Lab File: VY007954.D
Acq: 21 Mar 2022 15:02

Tgt Ion: 156 Resp: 36135
Ion Ratio Lower Upper
156 100
77 1.2 95.5 286.4#
158 0.0 48.0 144.0#

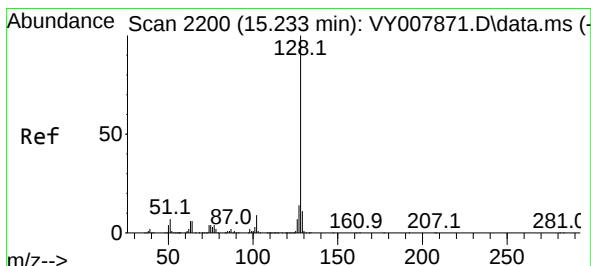
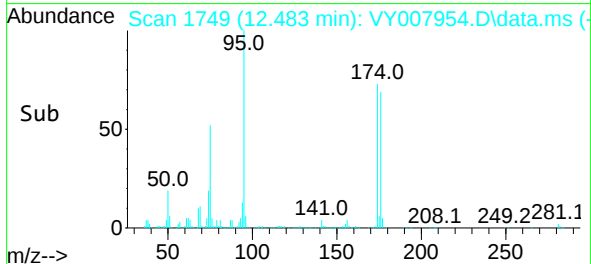
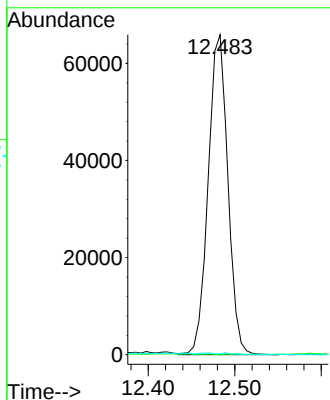
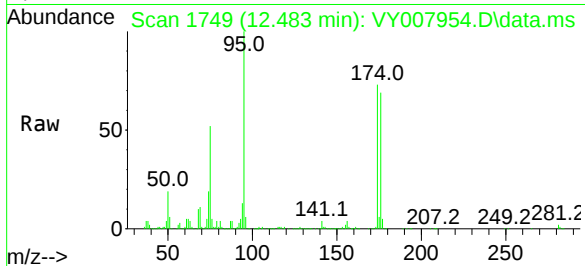




#81
trans-1,4-Dichloro-2-butene
Concen: 85.523 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY007954.D
Acq: 21 Mar 2022 15:02

Instrument :
MSVOA_Y
ClientSampleId :
124019

Tgt Ion: 75 Resp: 103906
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.2 37.0 55.4#



#95
Naphthalene
Concen: 5.131 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY007954.D
Acq: 21 Mar 2022 15:02

Tgt Ion: 128 Resp: 45779
Ion Ratio Lower Upper
128 100
127 14.3 11.0 16.4
129 12.0 8.4 12.6

