

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051922\
 Data File : VY008903.D
 Acq On : 20 May 2022 06:09
 Operator : KP/MD
 Sample : N2868-13
 Misc : 5.78g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P022-SS001-1218-01

Quant Time: May 20 08:22:18 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)

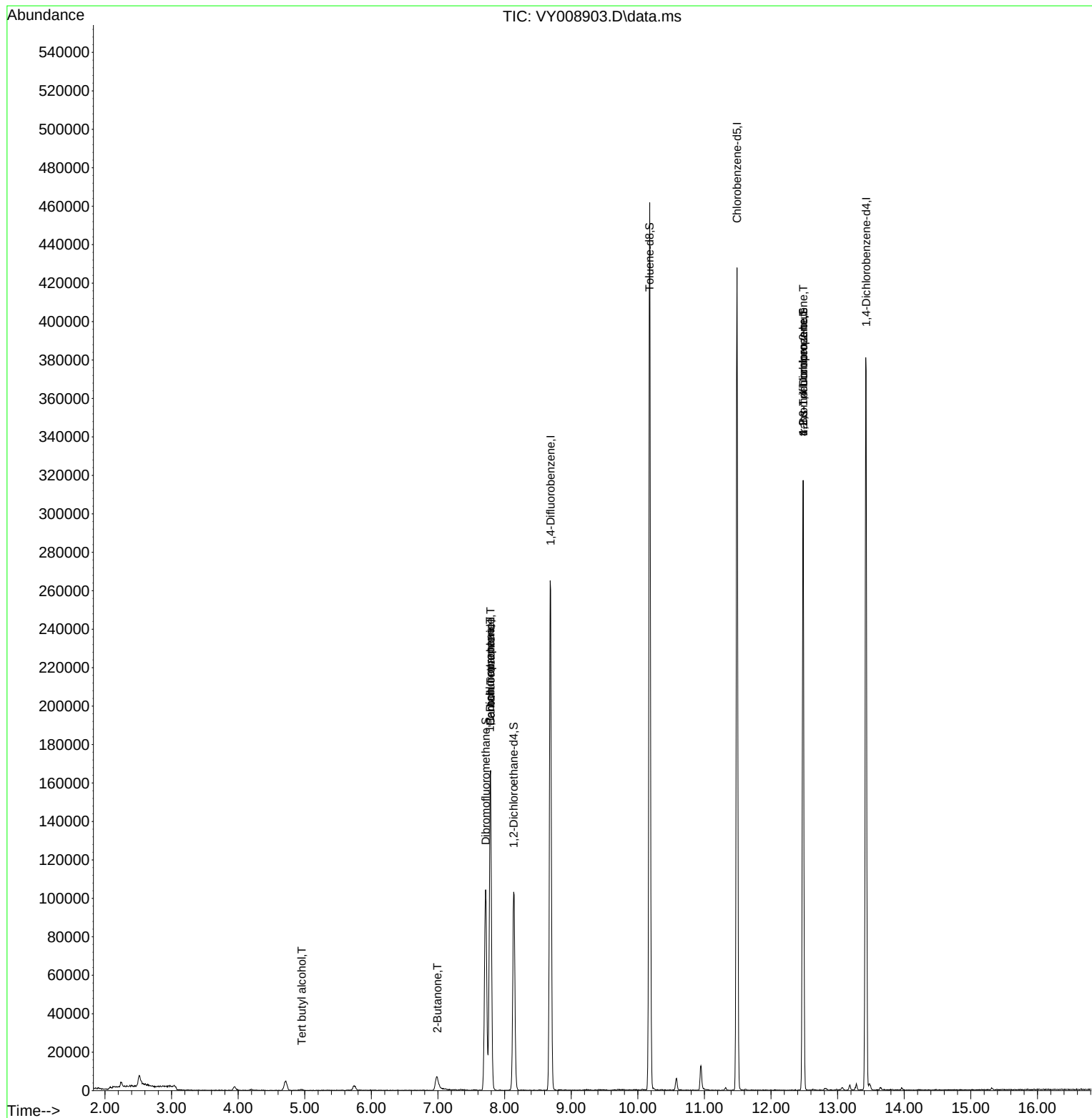
Internal Standards						
1) Pentafluorobenzene	7.789	168	125981	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	225338	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	217606	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	92972	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	78904	67.512	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 135.020%	
35) Dibromofluoromethane	7.716	113	72874	55.350	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.700%	
50) Toluene-d8	10.179	98	284017	48.624	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.240%	
62) 4-Bromofluorobenzene	12.483	95	82515	40.241	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 80.480%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	587	Below Cal		95
3) Chloromethane	2.119	50	163	Below Cal		90
4) Vinyl Chloride	2.259	62	20	Below Cal	#	43
5) Bromomethane	2.662	94	21	Below Cal	#	29
6) Chloroethane	2.790	64	22	Below Cal	#	43
7) Trichlorofluoromethane	3.119	101	34	Below Cal	#	21
11) Tert butyl alcohol	4.954	59	466	3.608	ug/l	99
16) Acetone	3.948	43	3468	Below Cal	#	89
18) Methyl Acetate	4.485	43	25	Below Cal	#	56
20) Methylene Chloride	4.716	84	3686	Below Cal	#	82
25) 2-Butanone	6.990	43	952	1.941	ug/l	# 82
31) Cyclohexane	7.789	56	3118	Below Cal	#	25
36) 1,1-Dichloropropene	7.783	75	11026	5.229	ug/l	# 52
38) Carbon Tetrachloride	7.789	117	12810	5.668	ug/l	# 18
76) 1,2,3-Trichloropropane	12.483	75	47679	44.396	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	47679	97.106	ug/l	# 7

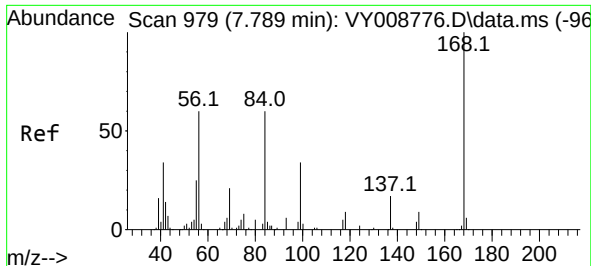
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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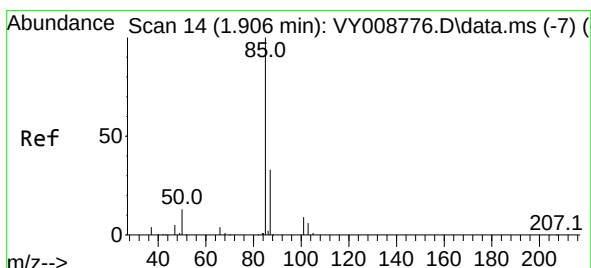
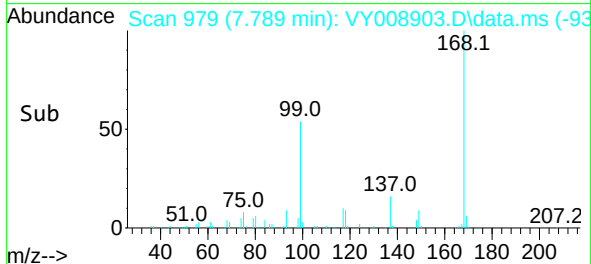
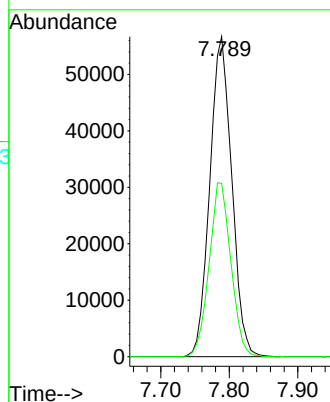
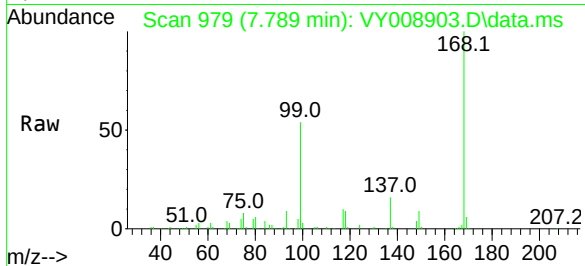




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008903.D
Acq: 20 May 2022 06:09

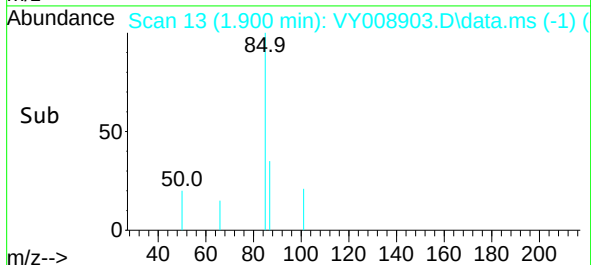
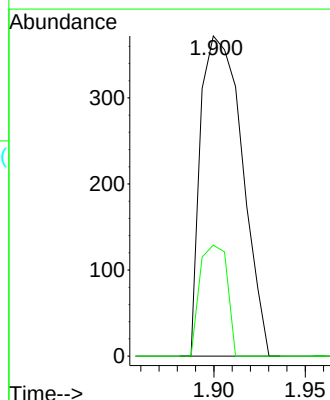
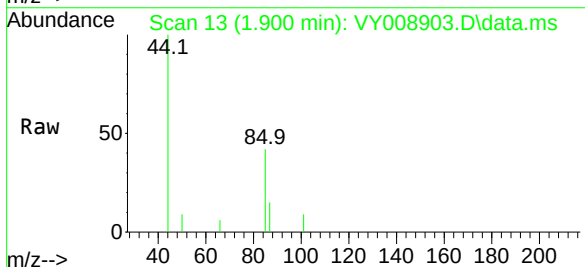
Instrument :
MSVOA_Y
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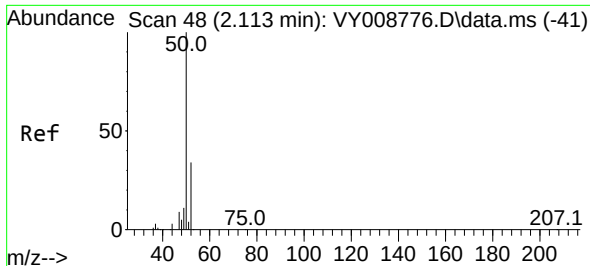
Tgt Ion:168 Resp: 125981
Ion Ratio Lower Upper
168 100
99 54.1 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY008903.D
Acq: 20 May 2022 06:09

Tgt Ion: 85 Resp: 587
Ion Ratio Lower Upper
85 100
87 34.7 16.1 48.2

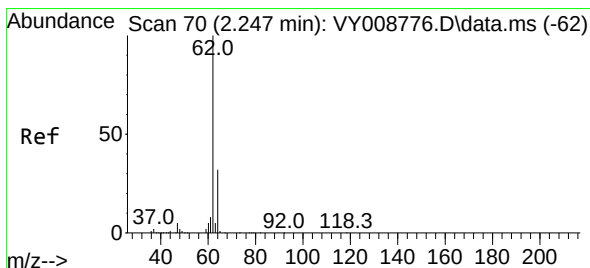
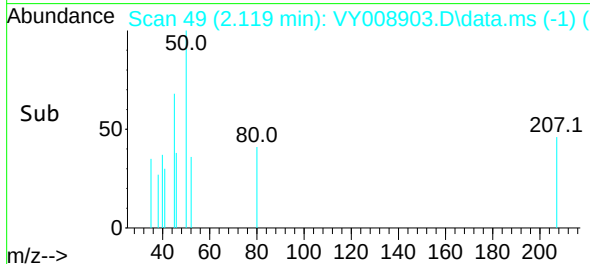
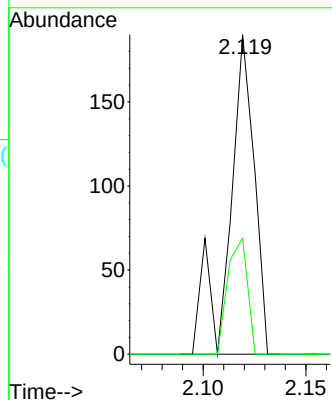
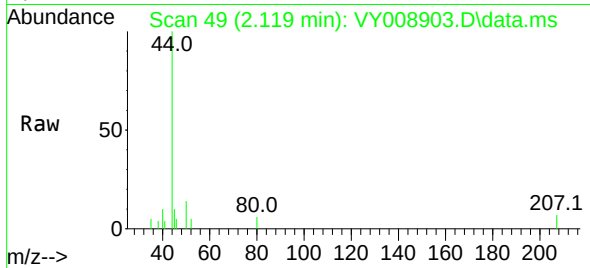




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY008903.D
Acq: 20 May 2022 06:09

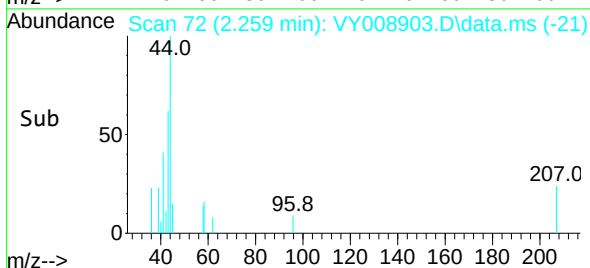
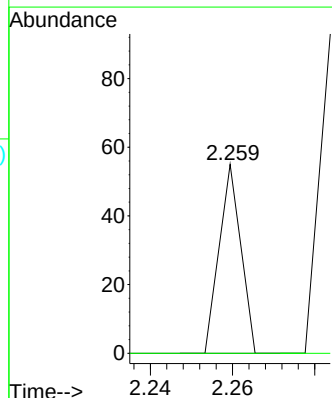
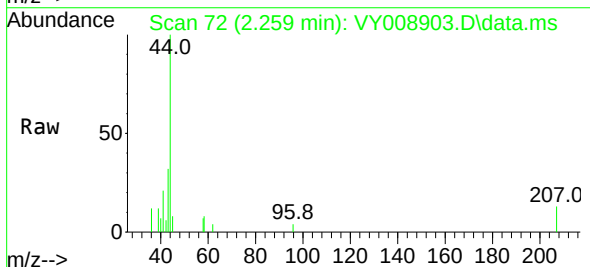
Instrument :
MSVOA_Y
ClientSampleId :
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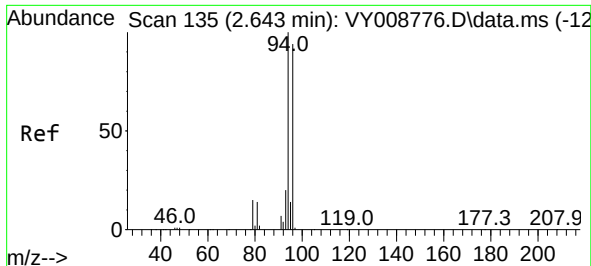
Tgt Ion: 50 Resp: 163
Ion Ratio Lower Upper
50 100
52 36.3 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.259 min Scan# 72
Delta R.T. 0.012 min
Lab File: VY008903.D
Acq: 20 May 2022 06:09

Tgt Ion: 62 Resp: 20
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

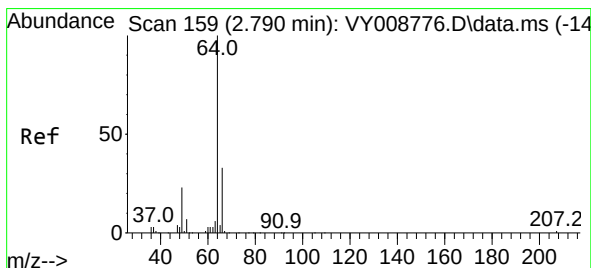
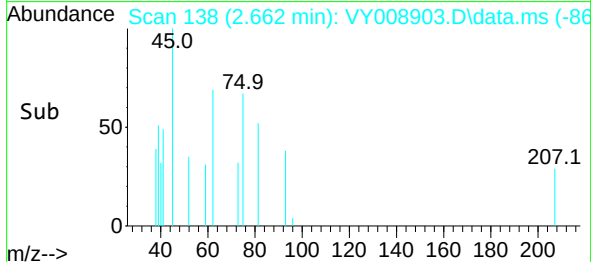
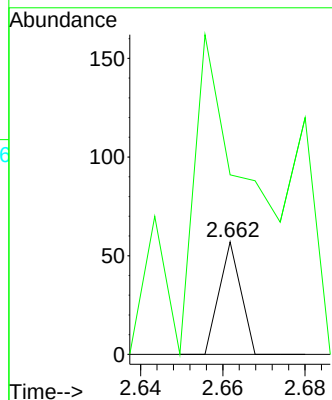
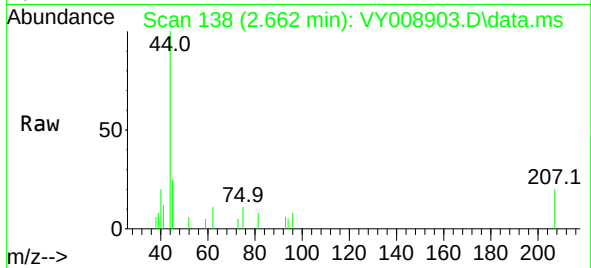




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.019 min
Lab File: VY008903.D
Acq: 20 May 2022 06:09

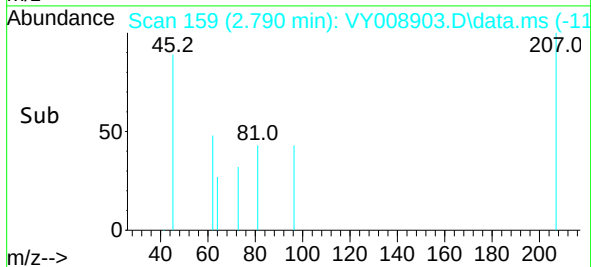
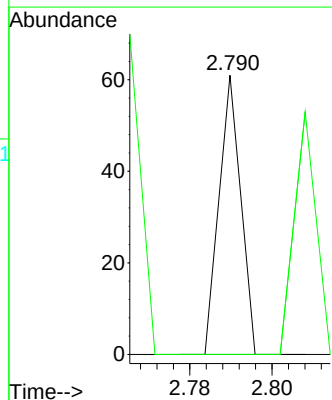
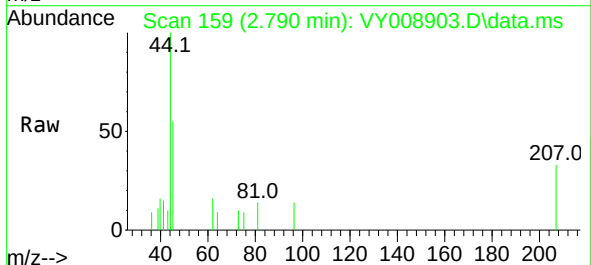
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS001-1218-01

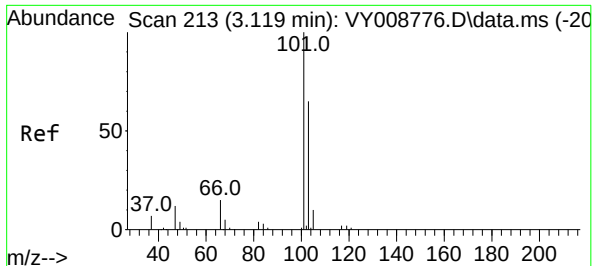
Tgt Ion: 94 Resp: 21
Ion Ratio Lower Upper
94 100
96 159.6 73.5 110.3#



#6
Chloroethane
Concen: Below Cal
RT: 2.790 min Scan# 159
Delta R.T. -0.000 min
Lab File: VY008903.D
Acq: 20 May 2022 06:09

Tgt Ion: 64 Resp: 22
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

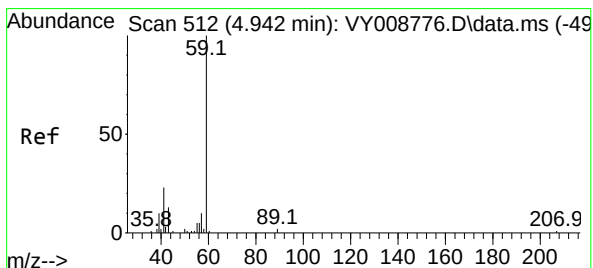
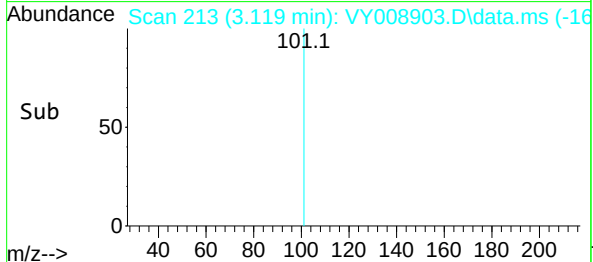
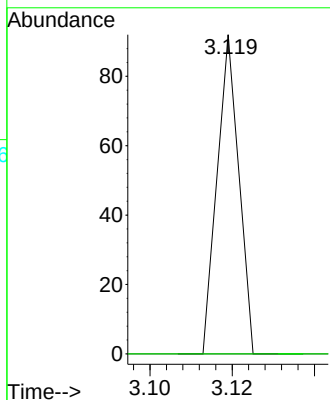
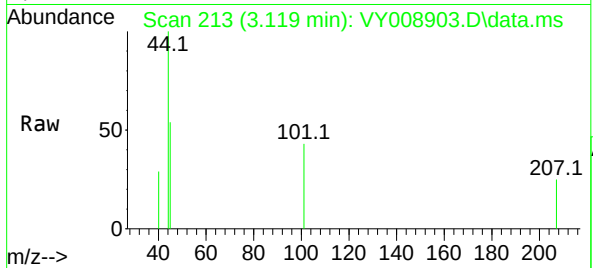




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.119 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY008903.D
Acq: 20 May 2022 06:09

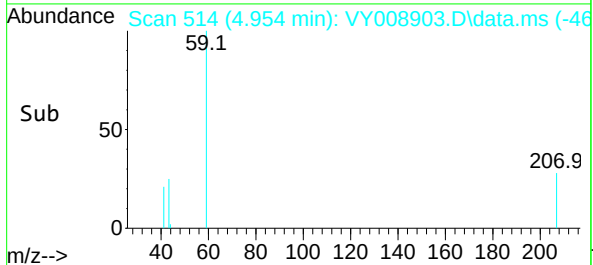
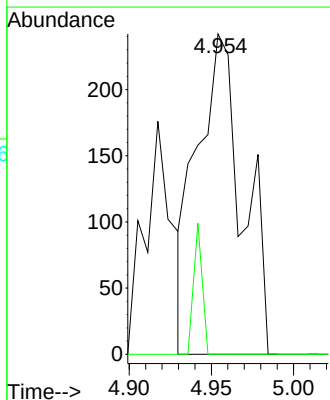
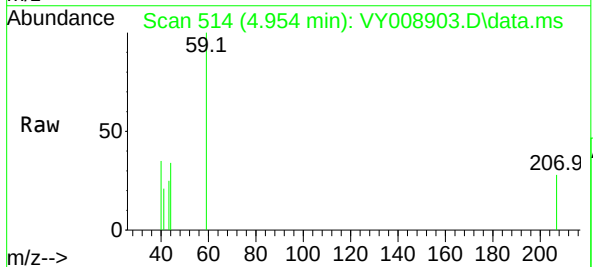
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS001-1218-01

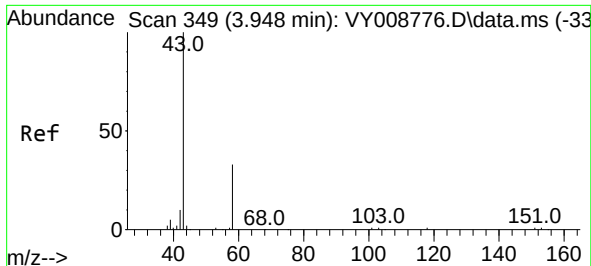
Tgt Ion:101 Resp: 34
Ion Ratio Lower Upper
101 100
103 0.0 48.0 72.0#



#11
Tert butyl alcohol
Concen: 3.608 ug/l
RT: 4.954 min Scan# 514
Delta R.T. 0.012 min
Lab File: VY008903.D
Acq: 20 May 2022 06:09

Tgt Ion: 59 Resp: 466
Ion Ratio Lower Upper
59 100
57 7.7 6.4 9.6

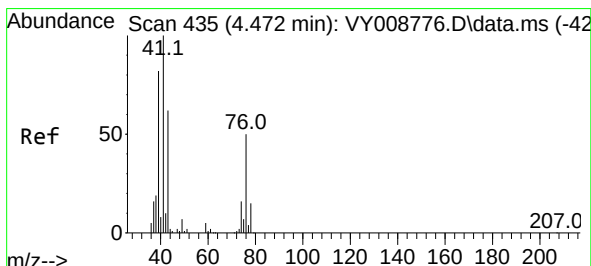
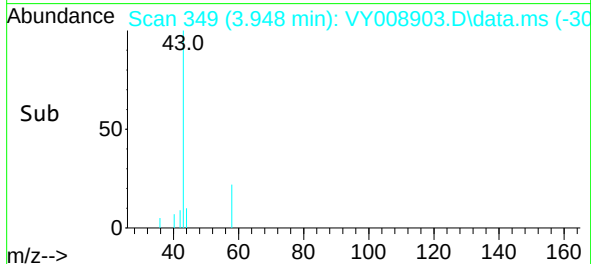
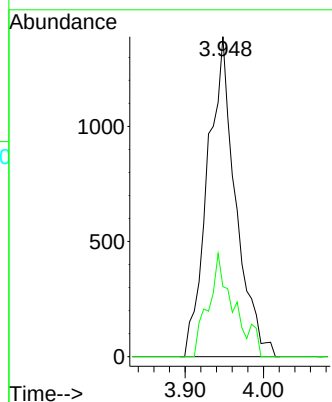
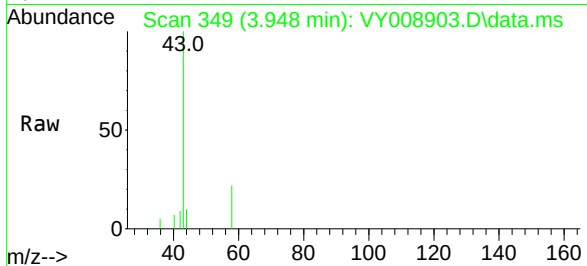




#16
Acetone
Concen: Below Cal
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY008903.D
Acq: 20 May 2022 06:09

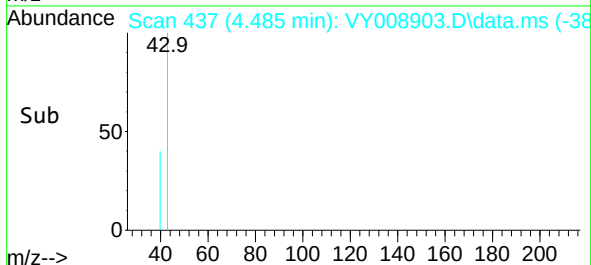
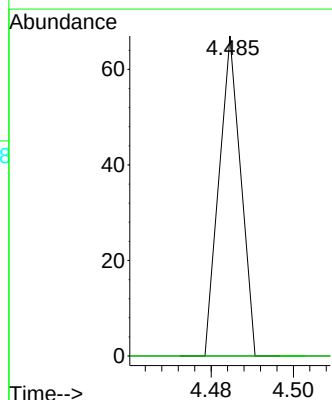
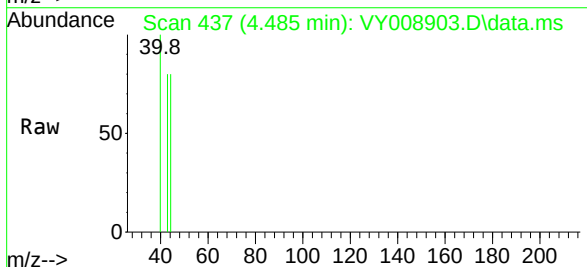
Instrument :
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ClientSampleId :
P022-SS001-1218-01

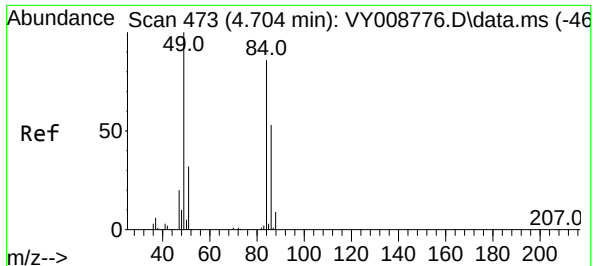
Tgt Ion: 43 Resp: 3468
Ion Ratio Lower Upper
43 100
58 21.9 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 437
Delta R.T. 0.013 min
Lab File: VY008903.D
Acq: 20 May 2022 06:09

Tgt Ion: 43 Resp: 25
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. 0.012 min

Lab File: VY008903.D

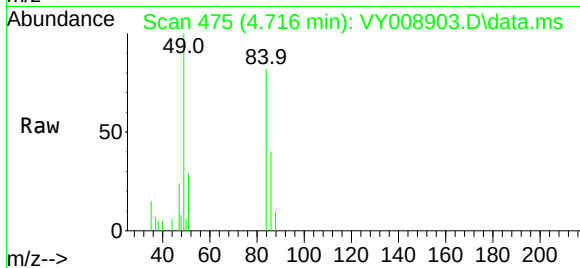
Acq: 20 May 2022 06:09

Instrument :

MSVOA_Y

ClientSampleId :

P022-SS001-1218-01



Tgt Ion: 84 Resp: 3686

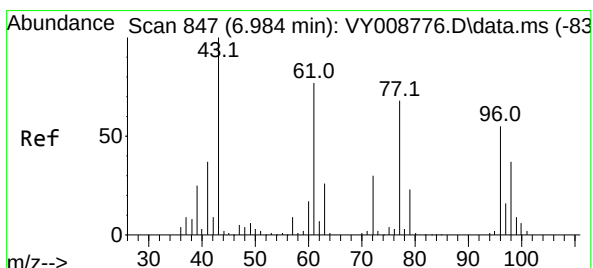
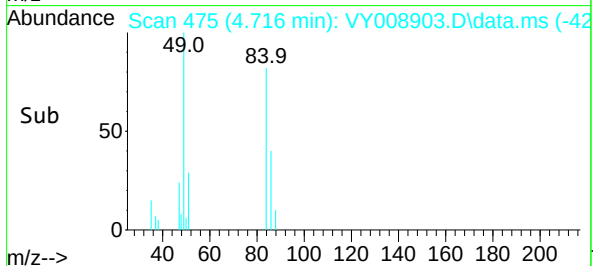
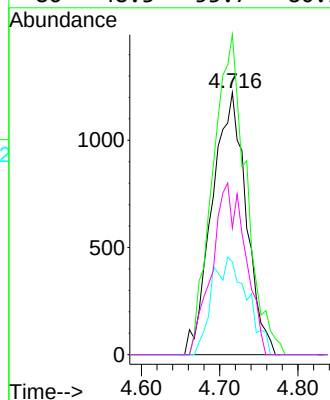
Ion Ratio Lower Upper

84 100

49 122.1 114.4 171.6

51 35.4 35.3 52.9

86 48.3 53.7 80.5#



#25

2-Butanone

Concen: 1.941 ug/l

RT: 6.990 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY008903.D

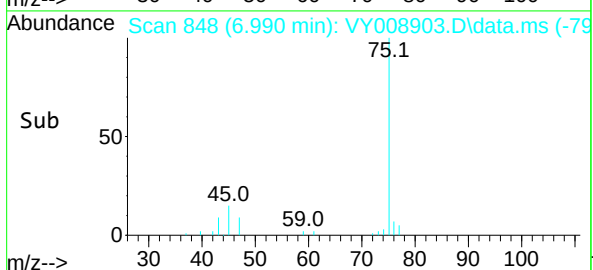
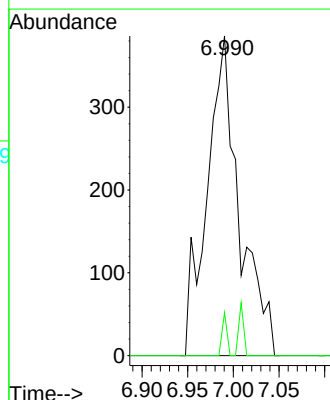
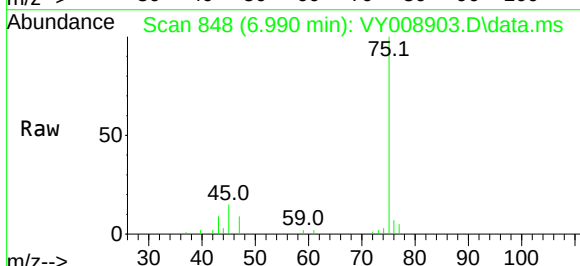
Acq: 20 May 2022 06:09

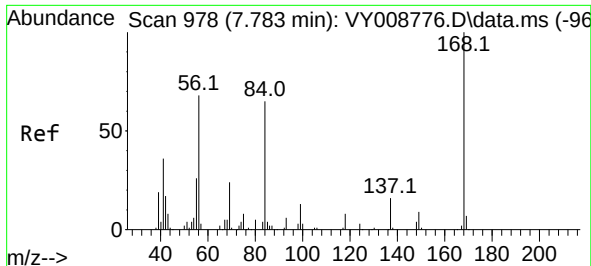
Tgt Ion: 43 Resp: 952

Ion Ratio Lower Upper

43 100

72 13.5 17.7 26.5#

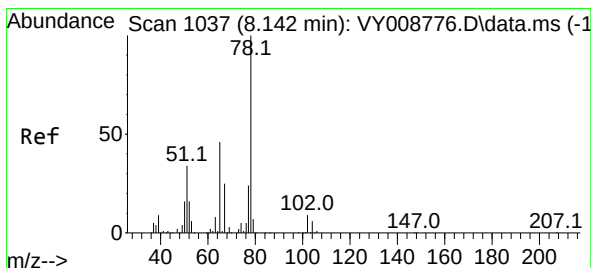
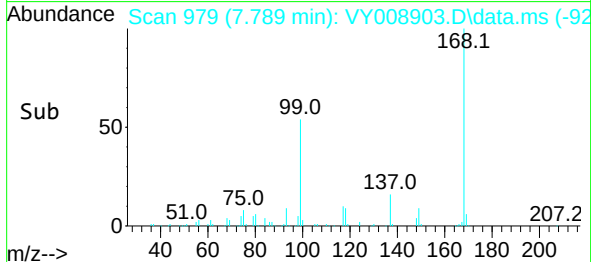
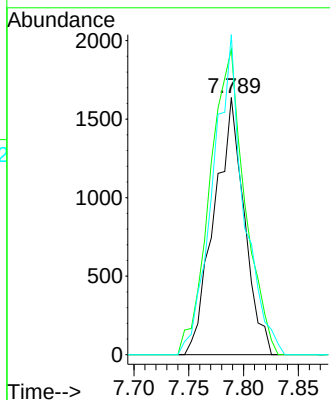
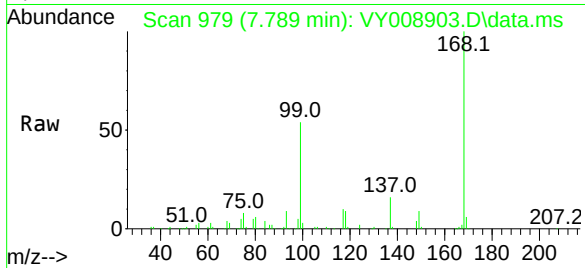




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008903.D
Acq: 20 May 2022 06:09

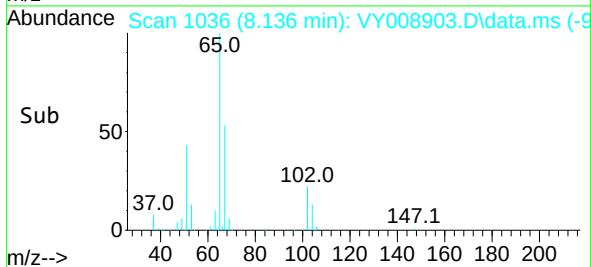
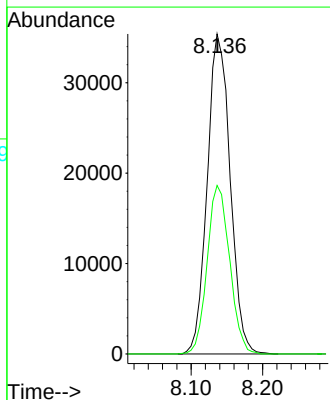
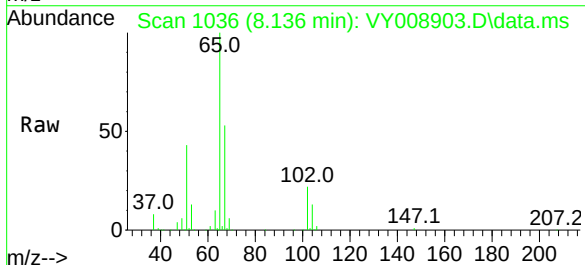
Instrument :
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P022-SS001-1218-01

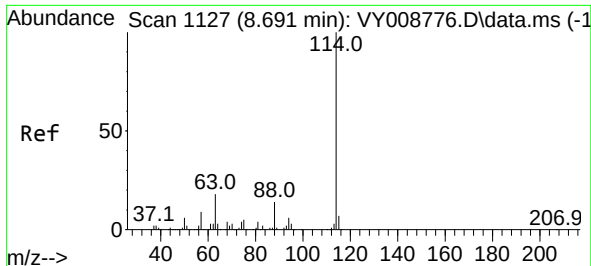
Tgt Ion: 56 Resp: 3118
Ion Ratio Lower Upper
56 100
69 118.7 26.7 40.1#
84 124.4 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 67.512 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY008903.D
Acq: 20 May 2022 06:09

Tgt Ion: 65 Resp: 78904
Ion Ratio Lower Upper
65 100
67 51.6 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: VY008903.D

Acq: 20 May 2022 06:09

Instrument :

MSVOA_Y

ClientSampleId :

P022-SS001-1218-01

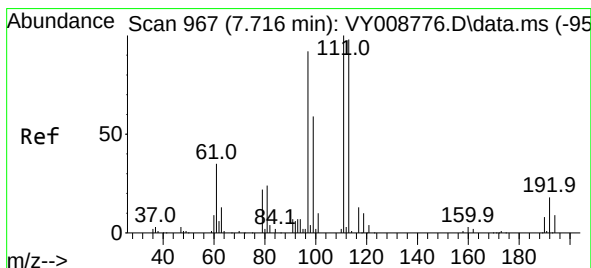
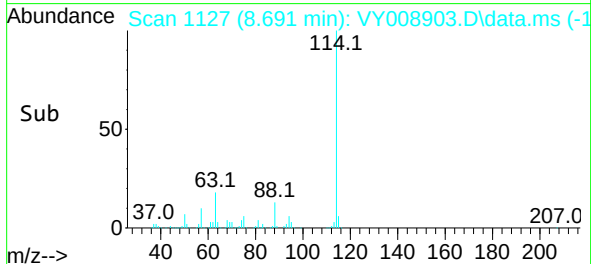
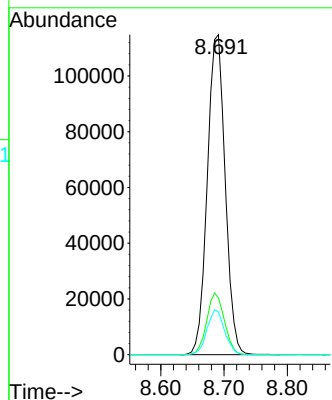
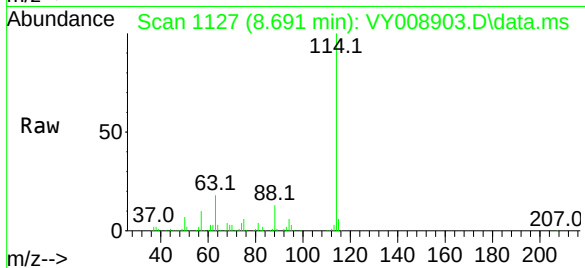
Tgt Ion:114 Resp: 225338

Ion Ratio Lower Upper

114 100

63 17.8 0.0 43.2

88 13.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 55.350 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY008903.D

Acq: 20 May 2022 06:09

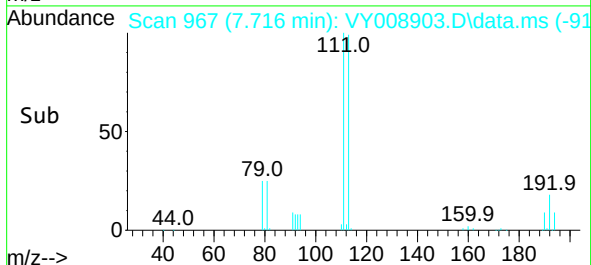
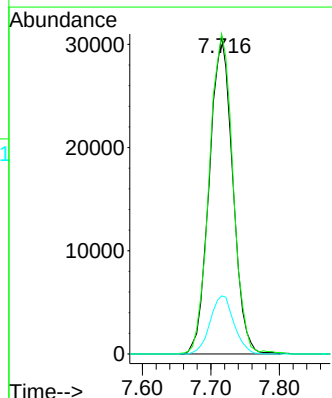
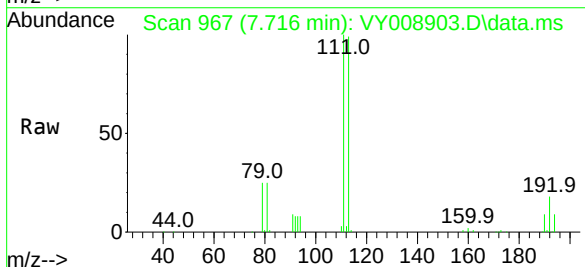
Tgt Ion:113 Resp: 72874

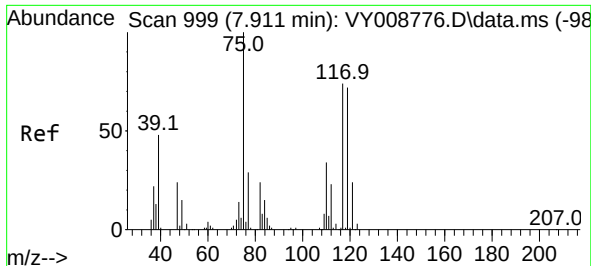
Ion Ratio Lower Upper

113 100

111 102.7 82.6 124.0

192 18.6 17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.229 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY008903.D

Acq: 20 May 2022 06:09

Instrument :

MSVOA_Y

ClientSampleId :

P022-SS001-1218-01

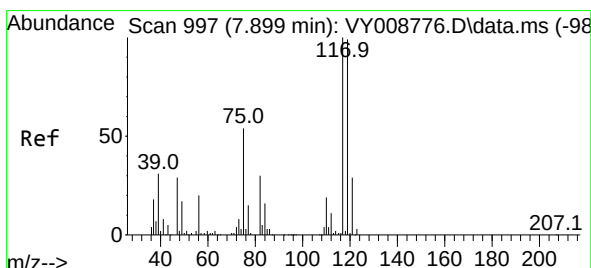
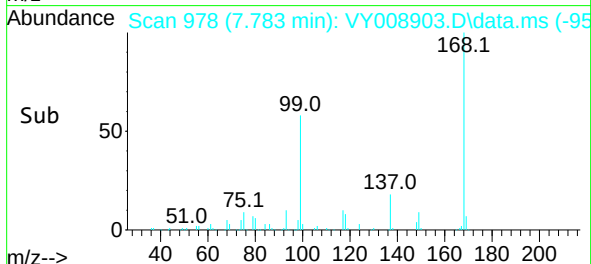
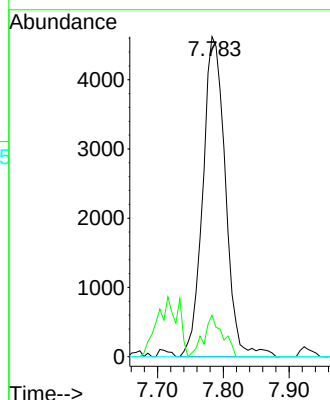
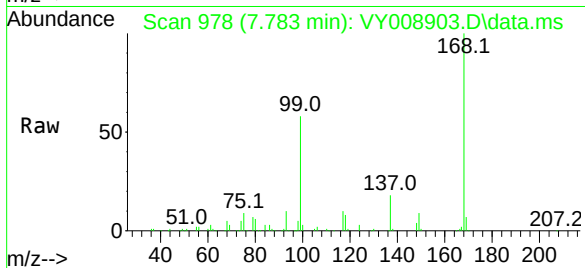
Tgt Ion: 75 Resp: 11026

Ion Ratio Lower Upper

75 100

110 10.8 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.668 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY008903.D

Acq: 20 May 2022 06:09

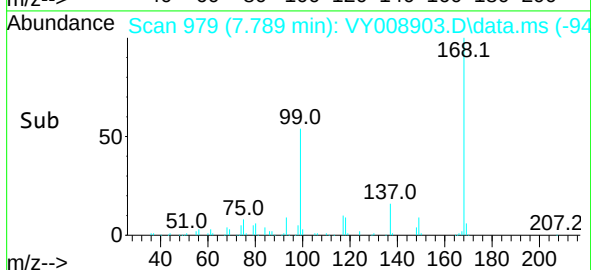
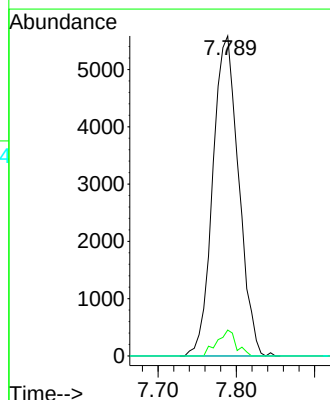
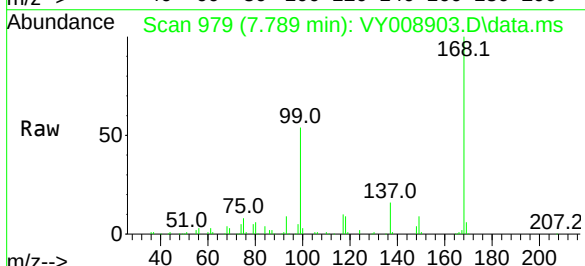
Tgt Ion: 117 Resp: 12810

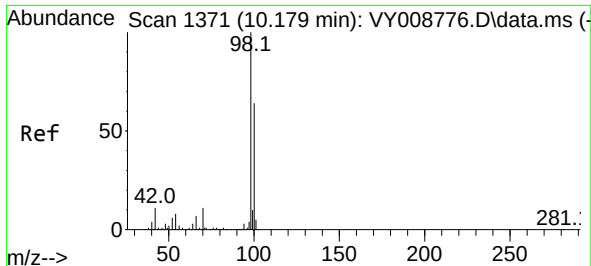
Ion Ratio Lower Upper

117 100

119 8.1 77.9 116.9#

121 0.0 24.8 37.2#

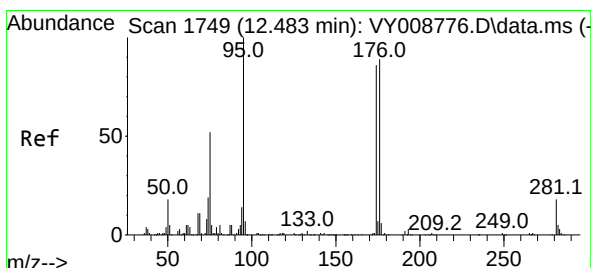
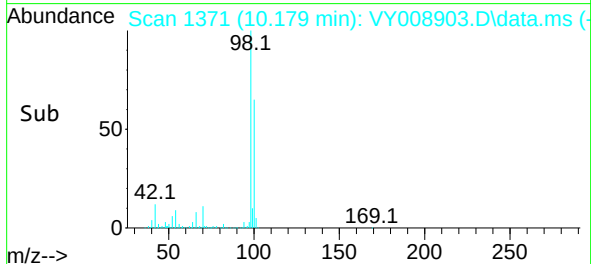
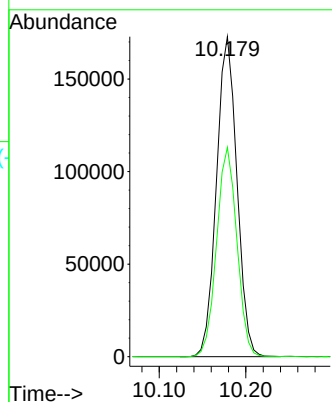
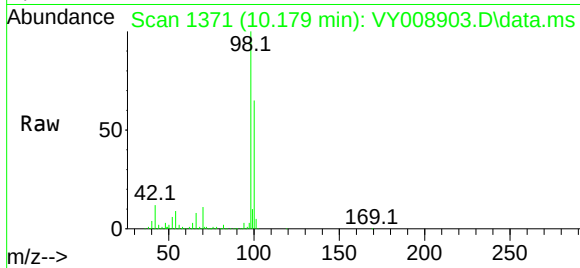




#50
Toluene-d8
Concen: 48.624 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008903.D
Acq: 20 May 2022 06:09

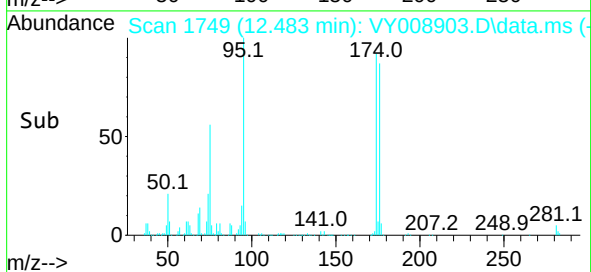
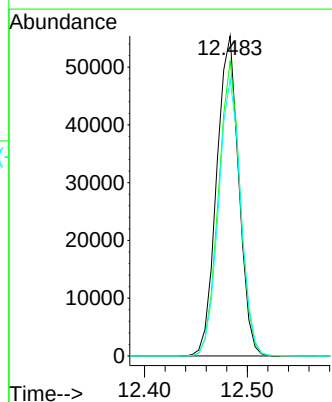
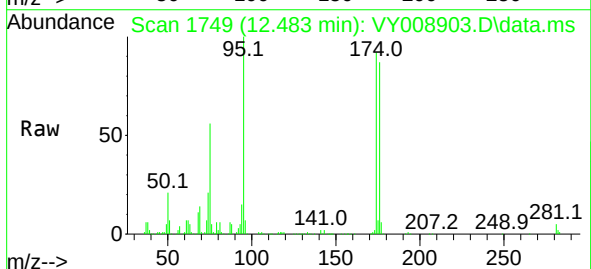
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS001-1218-01

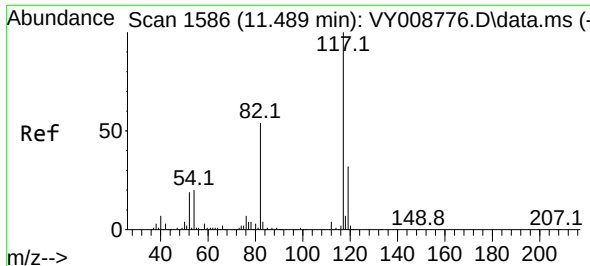
Tgt Ion: 98 Resp: 284017
Ion Ratio Lower Upper
98 100
100 64.7 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 40.241 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008903.D
Acq: 20 May 2022 06:09

Tgt Ion: 95 Resp: 82515
Ion Ratio Lower Upper
95 100
174 90.5 0.0 177.0
176 87.3 0.0 175.8

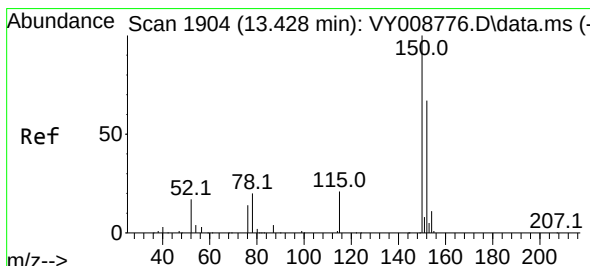
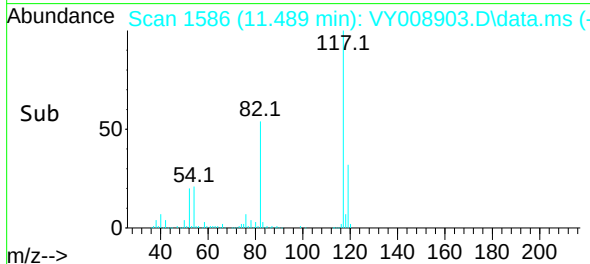
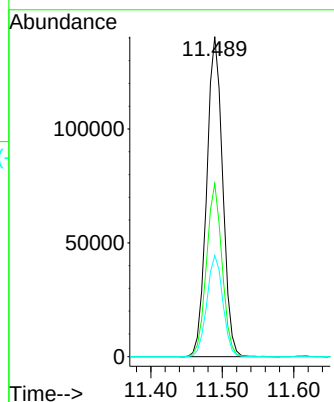
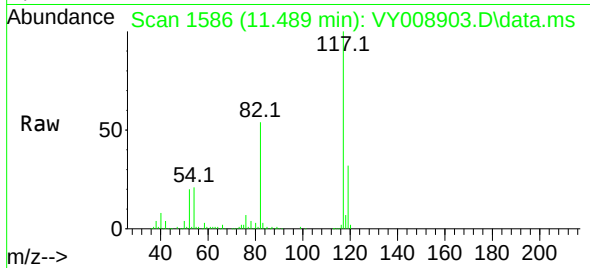




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY008903.D
Acq: 20 May 2022 06:09

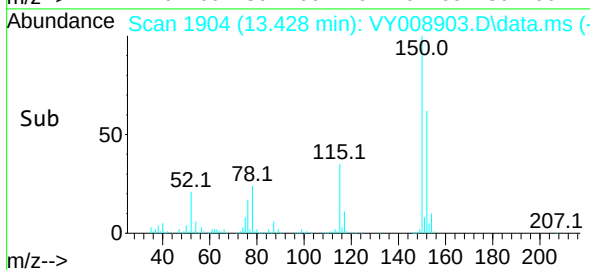
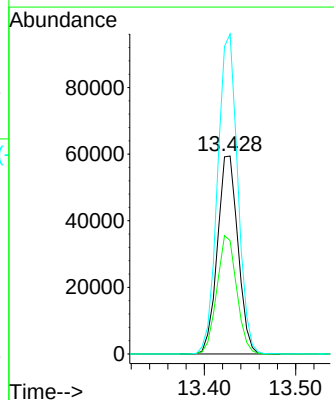
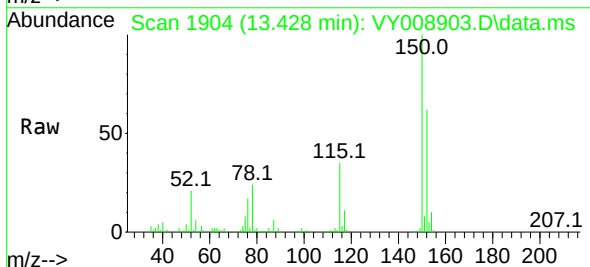
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS001-1218-01

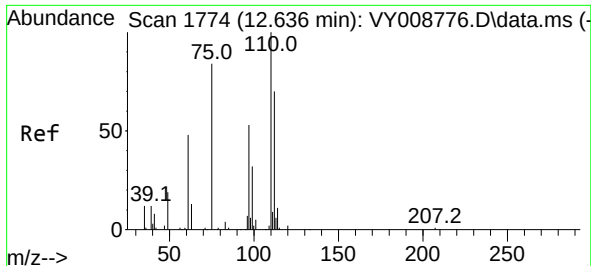
Tgt Ion:	117	Resp:	217606
Ion	Ratio	Lower	Upper
117	100		
82	54.1	43.0	64.4
119	31.7	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008903.D
Acq: 20 May 2022 06:09

Tgt Ion:	152	Resp:	92972
Ion	Ratio	Lower	Upper
152	100		
115	57.6	28.2	84.7
150	158.1	0.0	347.6

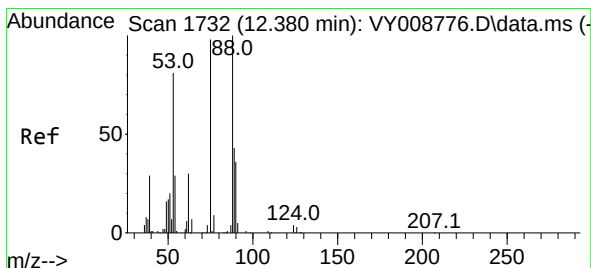
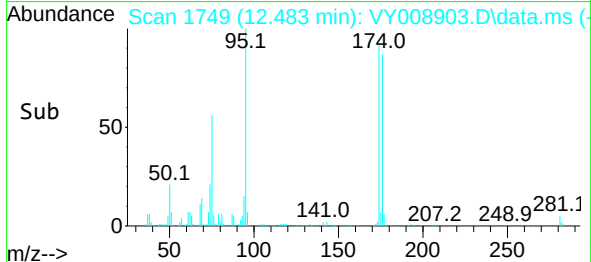
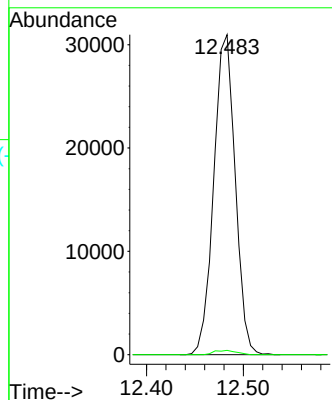
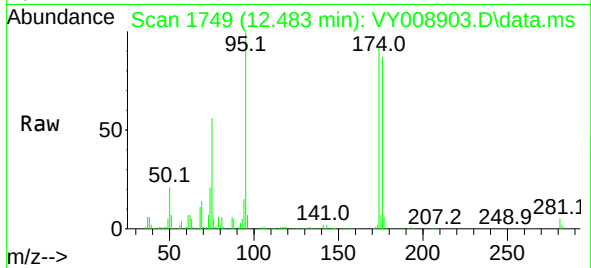




#76
1,2,3-Trichloropropane
Concen: 44.396 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY008903.D
Acq: 20 May 2022 06:09

Instrument :
MSVOA_Y
ClientSampleId :
P022-SS001-1218-01

Tgt Ion: 75 Resp: 47679
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.106 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008903.D
Acq: 20 May 2022 06:09

Tgt Ion: 75 Resp: 47679
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

