

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051922\
 Data File : VY008909.D
 Acq On : 20 May 2022 08:30
 Operator : KP/MD
 Sample : N2868-22
 Misc : 4.32g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P027-SS001-1218-01

Quant Time: May 20 08:51:08 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)

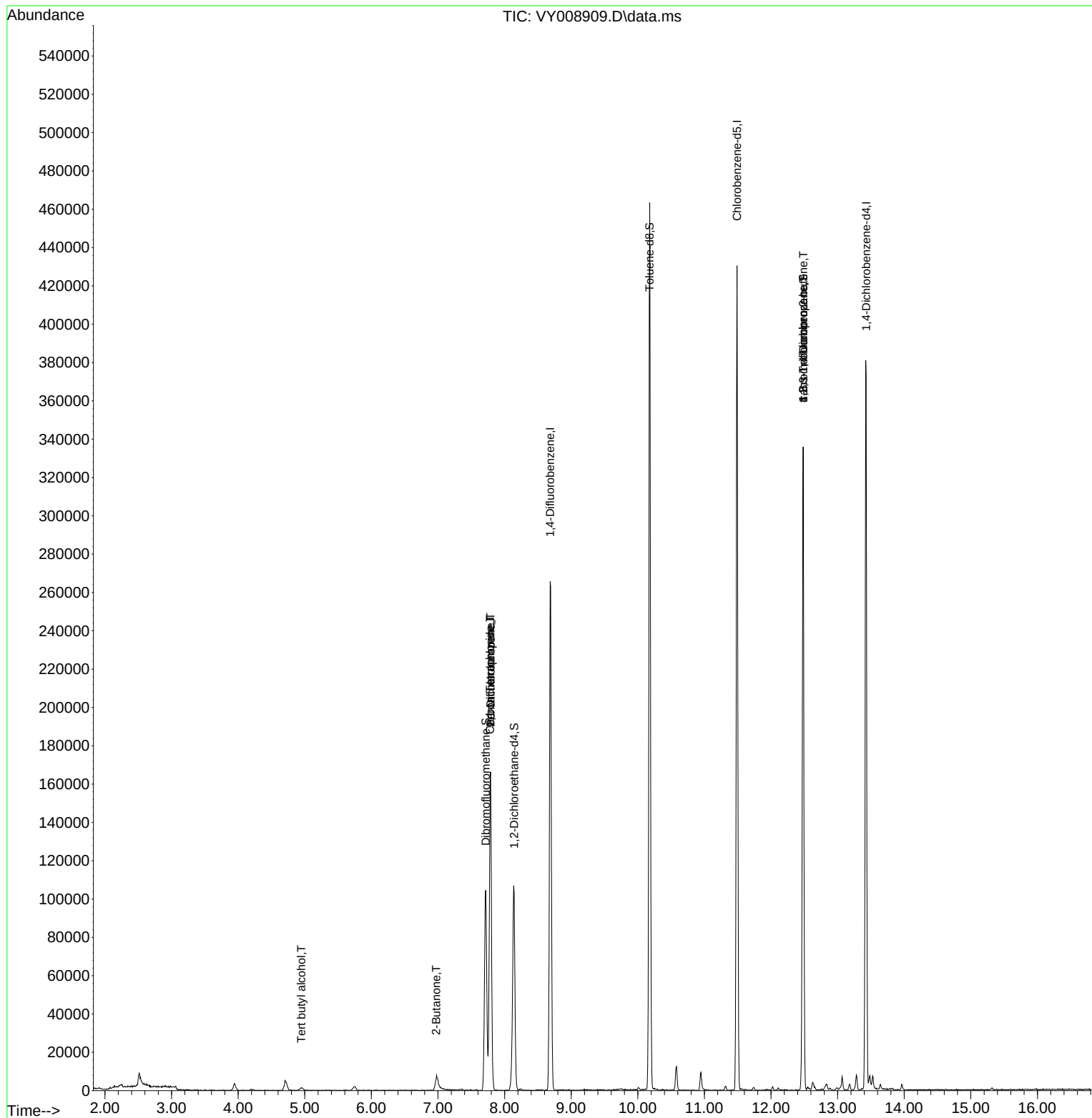
Internal Standards						
1) Pentafluorobenzene	7.789	168	125296	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	224037	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	213293	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	94654	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	76044	65.421	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 130.840%	
35) Dibromofluoromethane	7.716	113	70926	54.183	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.360%	
50) Toluene-d8	10.179	98	284653	48.991	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.980%	
62) 4-Bromofluorobenzene	12.483	95	83692	40.982	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 81.960%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	500	Below Cal		89
3) Chloromethane	2.113	50	119	Below Cal	#	44
4) Vinyl Chloride	2.247	62	80	Below Cal	#	43
5) Bromomethane	2.637	94	30	Below Cal	#	4
6) Chloroethane	2.991	64	27	Below Cal	#	43
7) Trichlorofluoromethane	3.119	101	71	Below Cal	#	21
11) Tert butyl alcohol	4.948	59	2504	19.491 ug/l	#	89
16) Acetone	3.942	43	6119	Below Cal	#	88
18) Methyl Acetate	4.485	43	38	Below Cal	#	56
20) Methylene Chloride	4.704	84	3770	Below Cal	#	74
25) 2-Butanone	6.972	43	776	1.591 ug/l	#	54
31) Cyclohexane	7.795	56	3180	Below Cal	#	45
36) 1,1-Dichloropropene	7.789	75	10674	5.091 ug/l	#	50
38) Carbon Tetrachloride	7.783	117	12473	5.551 ug/l	#	16
76) 1,2,3-Trichloropropane	12.483	75	48478	44.337 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	48478	96.979 ug/l	#	8

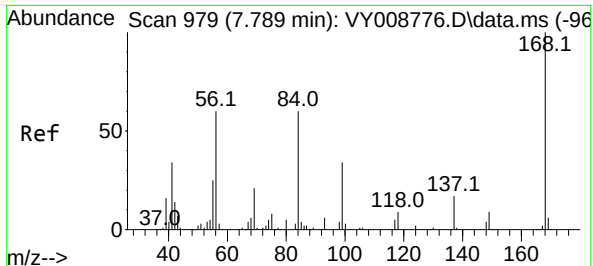
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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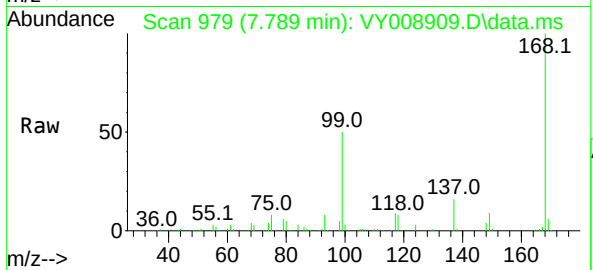
Quant Time: May 20 08:51:08 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
Quant Title : SW846 8260
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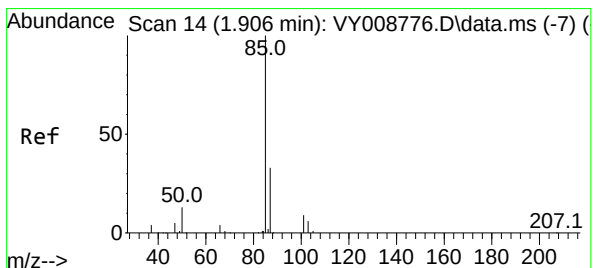
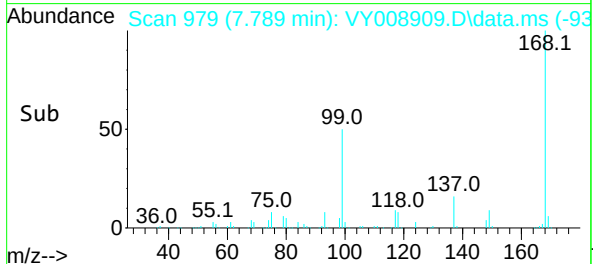
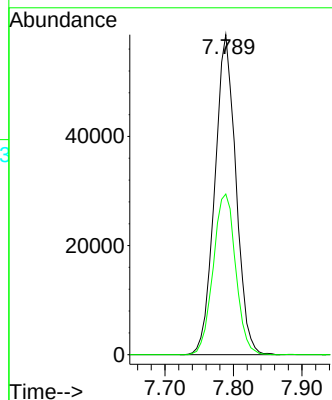


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008909.D
Acq: 20 May 2022 08:30

Instrument :
MSVOA_Y
ClientSampleId :
P027-SS001-1218-01

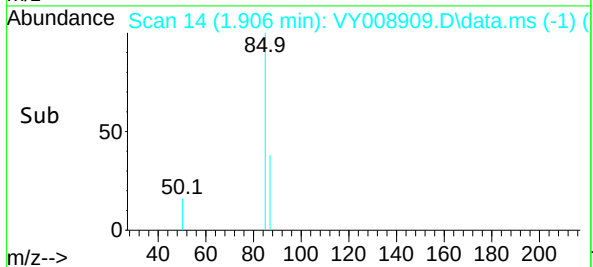
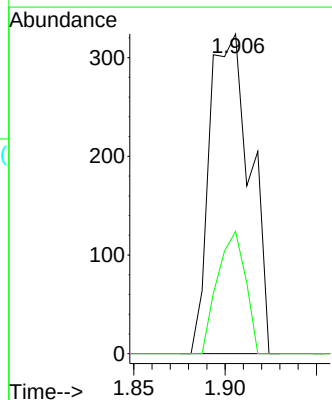
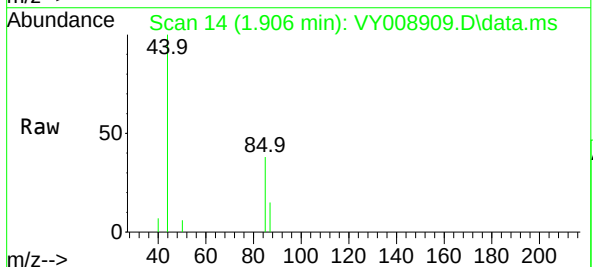


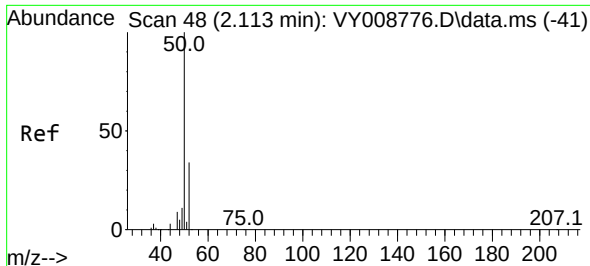
Tgt Ion:168 Resp: 125296
Ion Ratio Lower Upper
168 100
99 50.2 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY008909.D
Acq: 20 May 2022 08:30

Tgt Ion: 85 Resp: 500
Ion Ratio Lower Upper
85 100
87 38.3 16.1 48.2

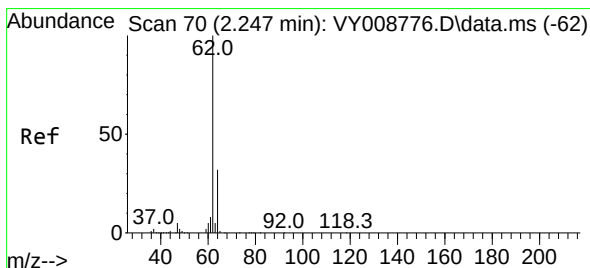
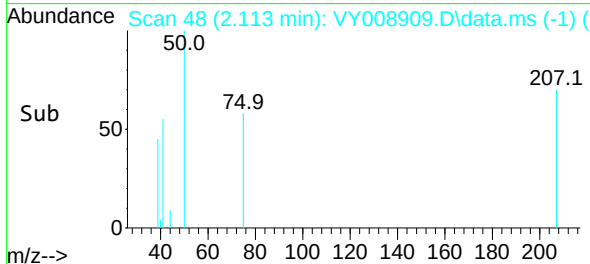
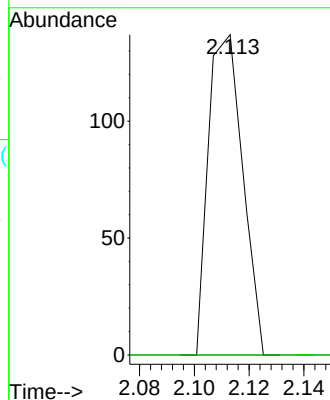
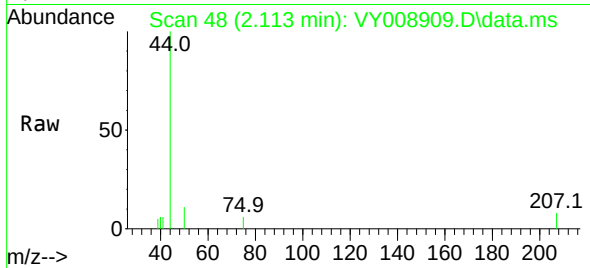




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY008909.D
Acq: 20 May 2022 08:30

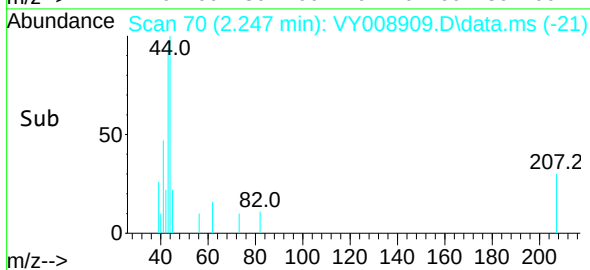
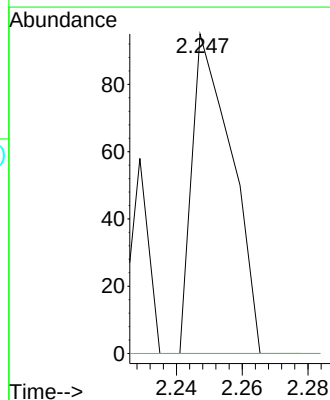
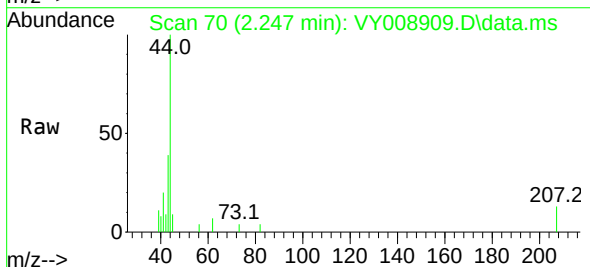
Instrument :
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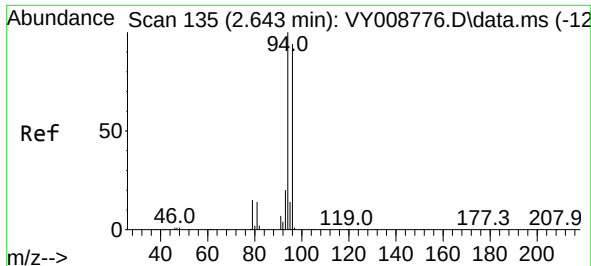
Tgt Ion: 50 Resp: 119
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.247 min Scan# 70
Delta R.T. 0.000 min
Lab File: VY008909.D
Acq: 20 May 2022 08:30

Tgt Ion: 62 Resp: 80
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

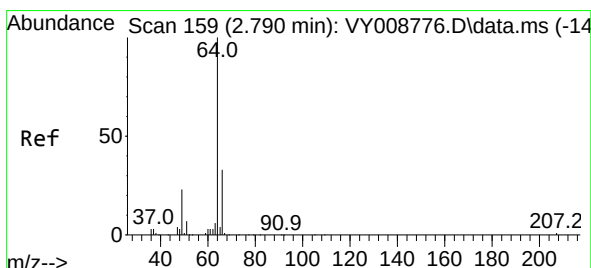
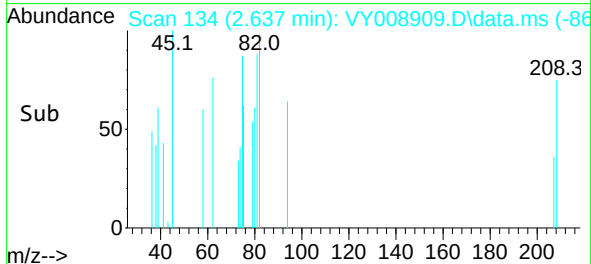
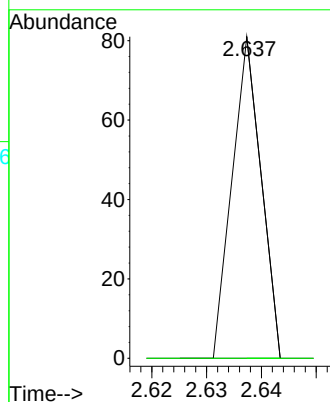
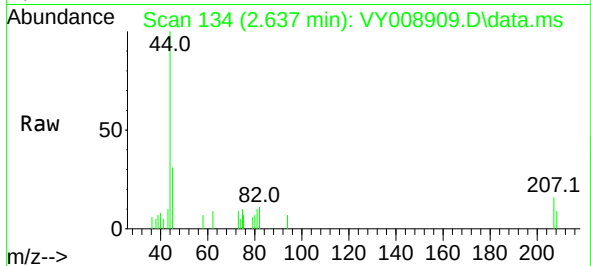




#5
Bromomethane
Concen: Below Cal
RT: 2.637 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY008909.D
Acq: 20 May 2022 08:30

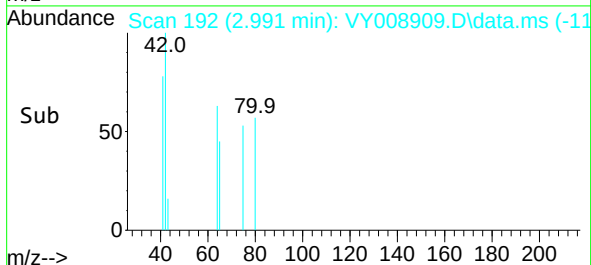
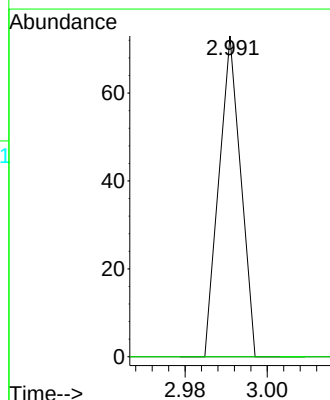
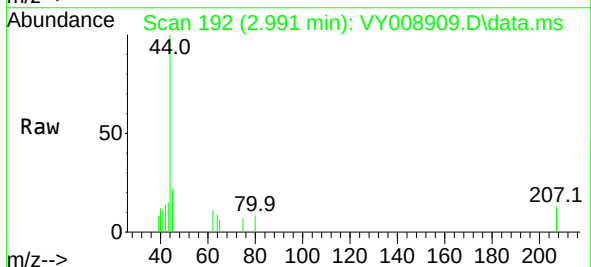
Instrument :
MSVOA_Y
ClientSampleId :
P027-SS001-1218-01

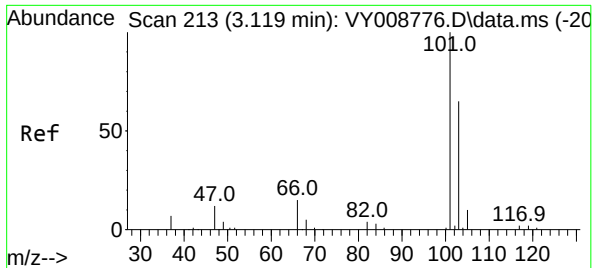
Tgt Ion: 94 Resp: 30
Ion Ratio Lower Upper
94 100
96 0.0 73.5 110.3#



#6
Chloroethane
Concen: Below Cal
RT: 2.991 min Scan# 192
Delta R.T. 0.201 min
Lab File: VY008909.D
Acq: 20 May 2022 08:30

Tgt Ion: 64 Resp: 27
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

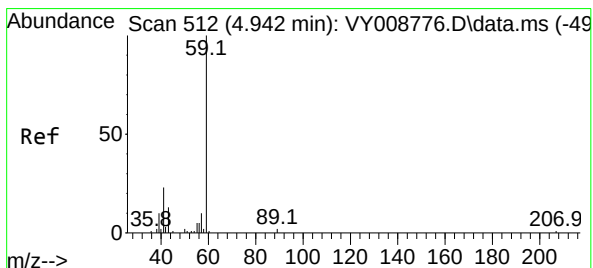
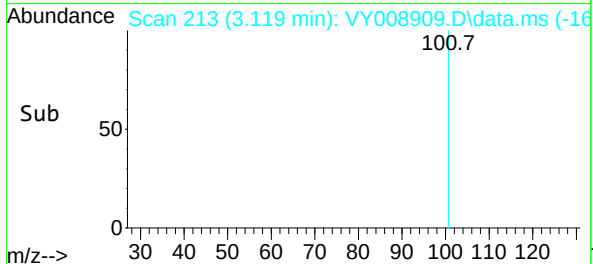
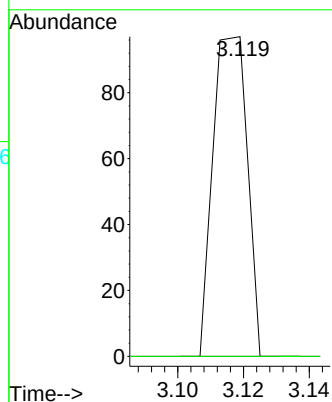
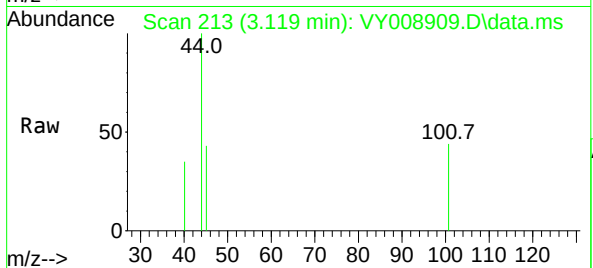




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.119 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY008909.D
Acq: 20 May 2022 08:30

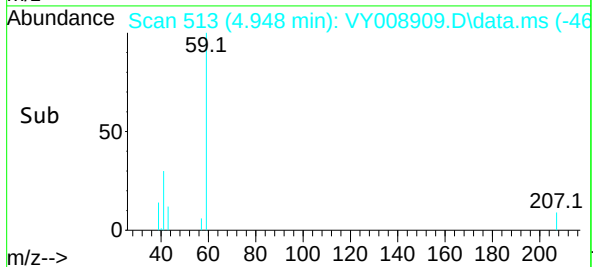
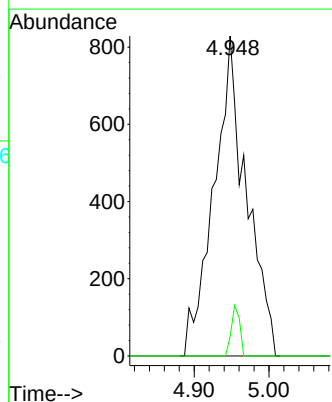
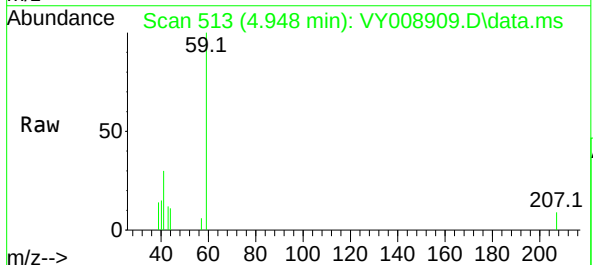
Instrument :
MSVOA_Y
ClientSampleId :
P027-SS001-1218-01

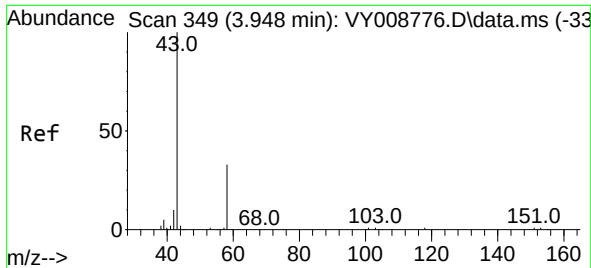
Tgt Ion:101 Resp: 71
Ion Ratio Lower Upper
101 100
103 0.0 48.0 72.0#



#11
Tert butyl alcohol
Concen: 19.491 ug/l
RT: 4.948 min Scan# 513
Delta R.T. 0.006 min
Lab File: VY008909.D
Acq: 20 May 2022 08:30

Tgt Ion: 59 Resp: 2504
Ion Ratio Lower Upper
59 100
57 4.1 6.4 9.6#

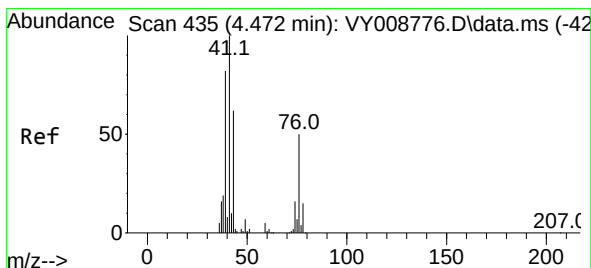
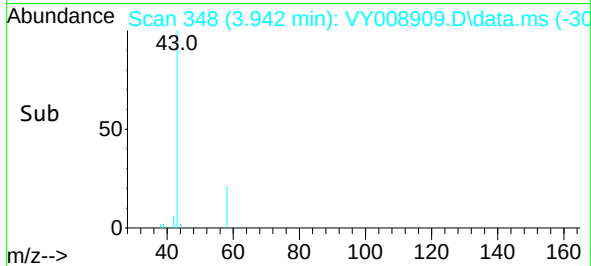
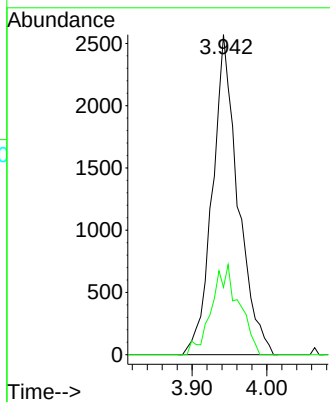
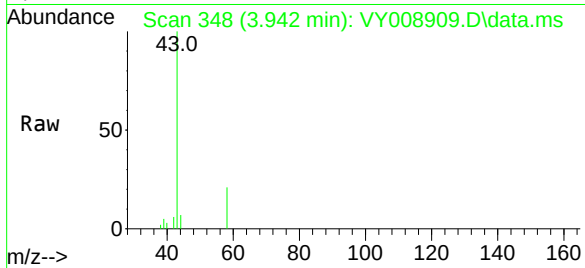




#16
Acetone
Concen: Below Cal
RT: 3.942 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY008909.D
Acq: 20 May 2022 08:30

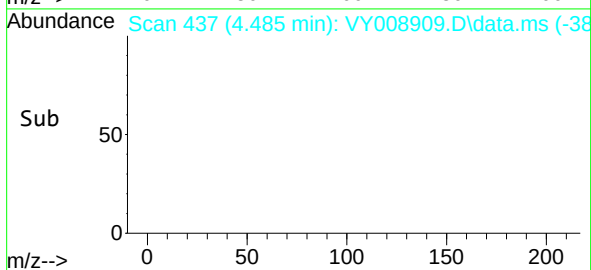
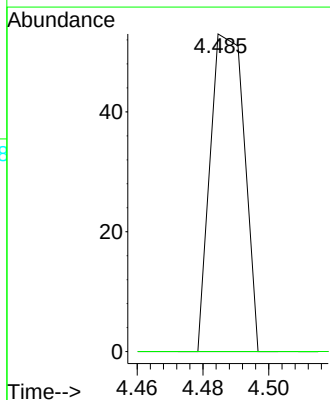
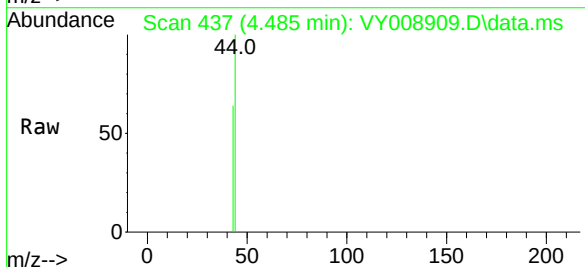
Instrument :
MSVOA_Y
ClientSampleId :
P027-SS001-1218-01

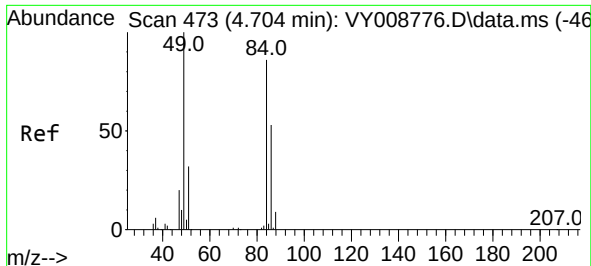
Tgt Ion: 43 Resp: 6119
Ion Ratio Lower Upper
43 100
58 21.1 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 437
Delta R.T. 0.013 min
Lab File: VY008909.D
Acq: 20 May 2022 08:30

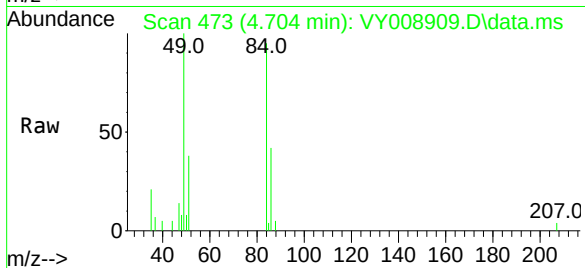
Tgt Ion: 43 Resp: 38
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



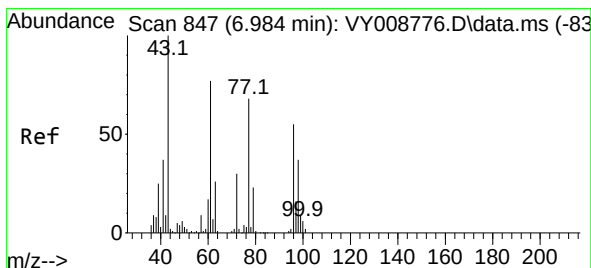
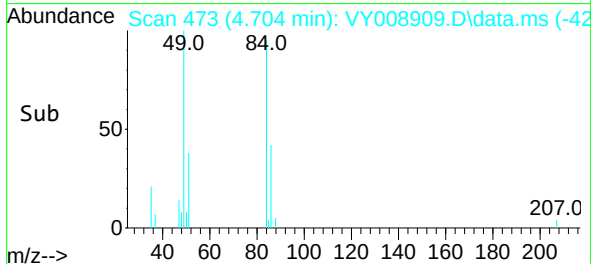
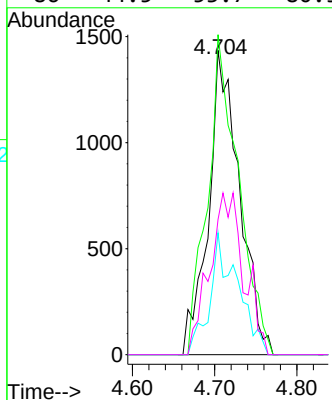


#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY008909.D
Acq: 20 May 2022 08:30

Instrument :
MSVOA_Y
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P027-SS001-1218-01

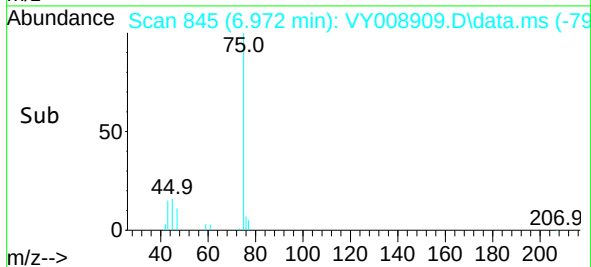
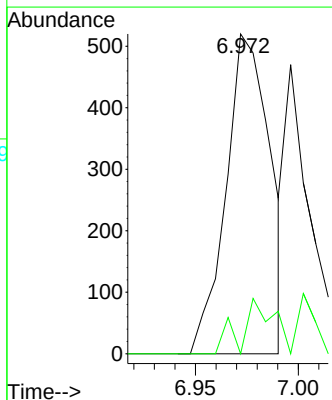
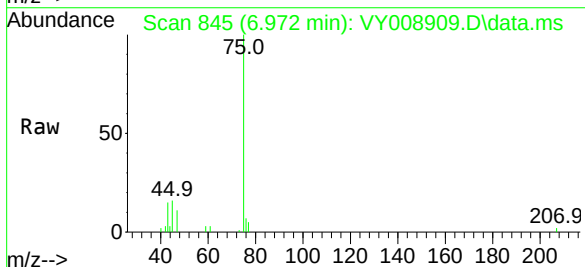


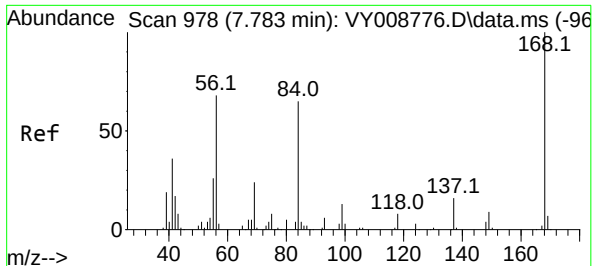
Tgt Ion: 84 Resp: 3770
Ion Ratio Lower Upper
84 100
49 105.2 114.4 171.6#
51 40.1 35.3 52.9
86 44.5 53.7 80.5#



#25
2-Butanone
Concen: 1.591 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY008909.D
Acq: 20 May 2022 08:30

Tgt Ion: 43 Resp: 776
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#





#31

Cyclohexane

Concen: Below Cal

RT: 7.795 min Scan# 91

Delta R.T. 0.012 min

Lab File: VY008909.D

Acq: 20 May 2022 08:30

Instrument :

MSVOA_Y

ClientSampleId :

P027-SS001-1218-01

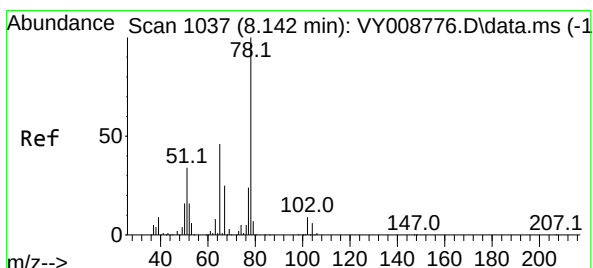
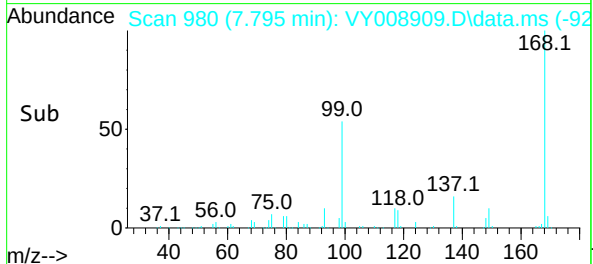
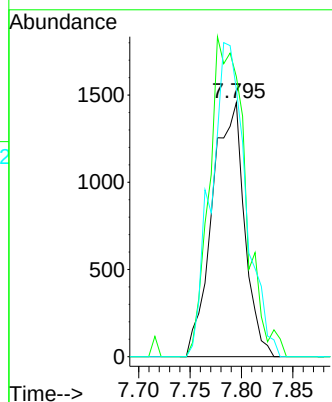
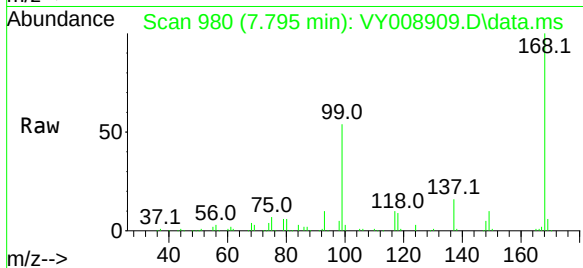
Tgt Ion: 56 Resp: 3180

Ion Ratio Lower Upper

56 100

69 110.2 26.7 40.1#

84 105.1 67.2 100.8#



#33

1,2-Dichloroethane-d4

Concen: 65.421 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY008909.D

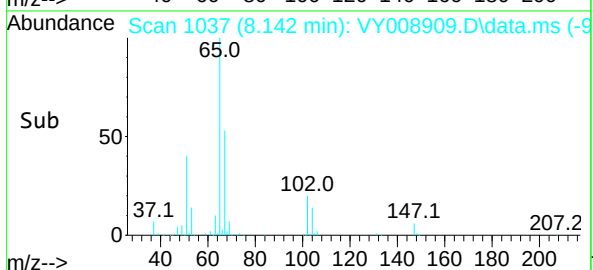
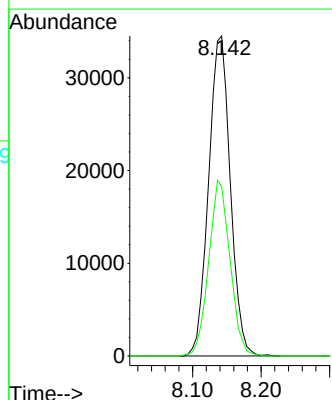
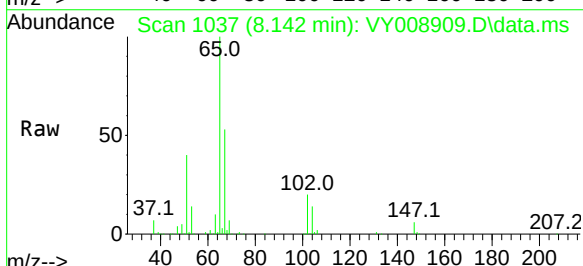
Acq: 20 May 2022 08:30

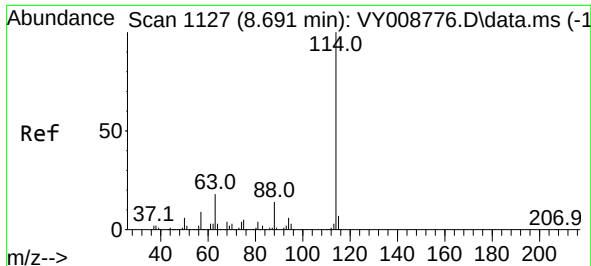
Tgt Ion: 65 Resp: 76044

Ion Ratio Lower Upper

65 100

67 53.9 0.0 99.4

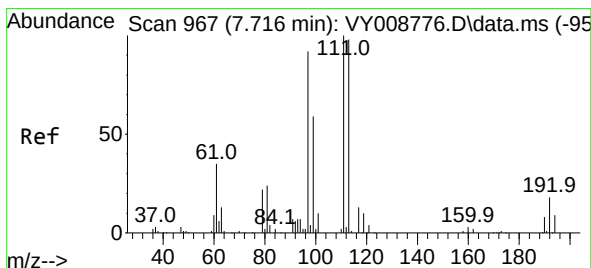
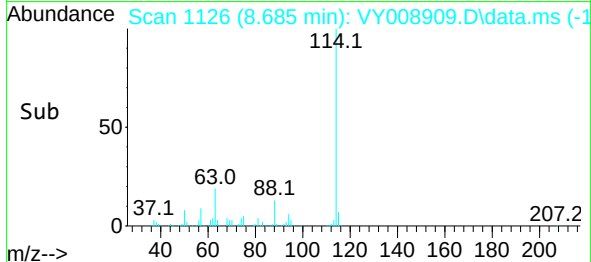
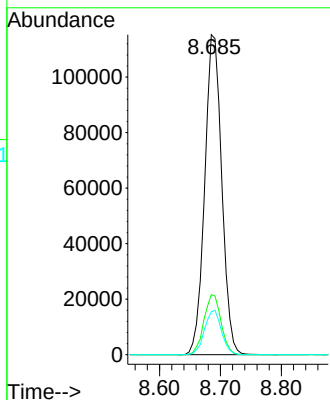
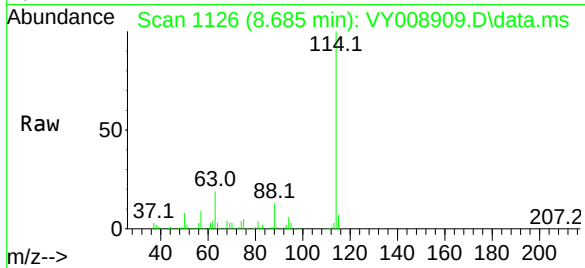




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY008909.D
Acq: 20 May 2022 08:30

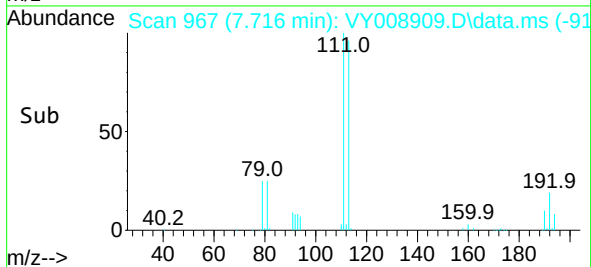
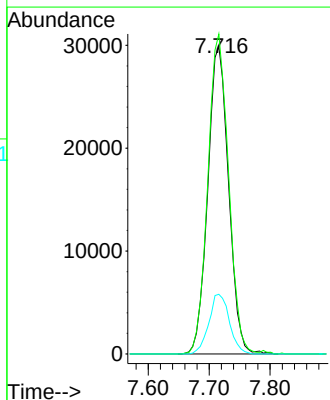
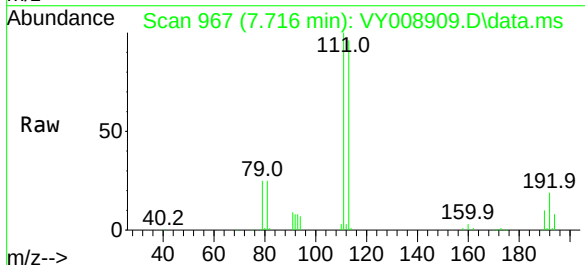
Instrument :
MSVOA_Y
ClientSampleId :
P027-SS001-1218-01

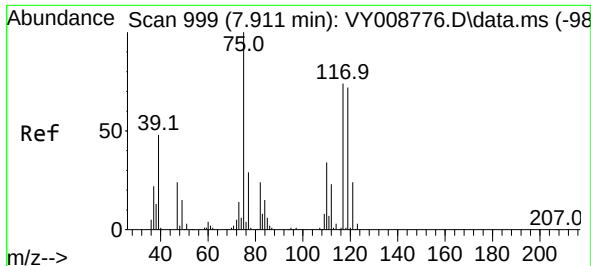
Tgt Ion:114 Resp: 224037
Ion Ratio Lower Upper
114 100
63 18.8 0.0 43.2
88 13.4 0.0 31.8



#35
Dibromofluoromethane
Concen: 54.183 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY008909.D
Acq: 20 May 2022 08:30

Tgt Ion:113 Resp: 70926
Ion Ratio Lower Upper
113 100
111 103.7 82.6 124.0
192 19.2 17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.091 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY008909.D

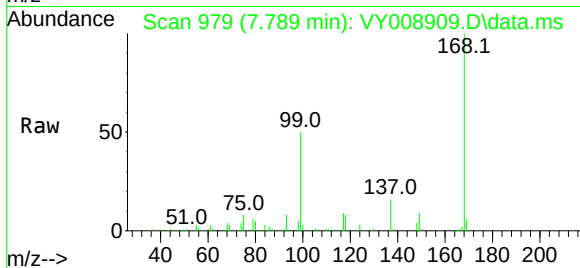
Acq: 20 May 2022 08:30

Instrument :

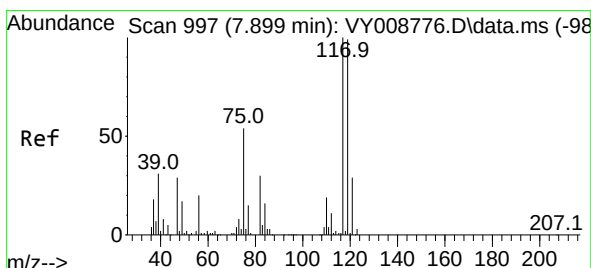
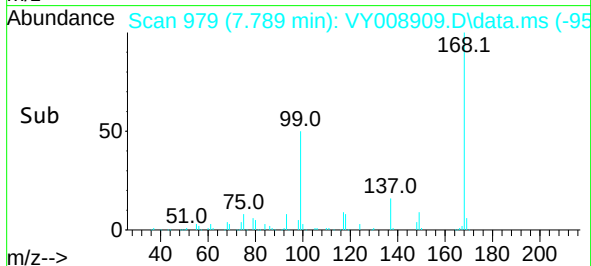
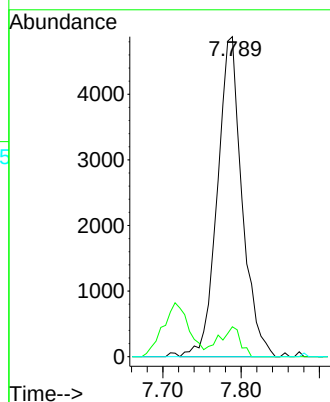
MSVOA_Y

ClientSampleId :

P027-SS001-1218-01



Tgt Ion:	75	Resp:	10674
Ion	Ratio	Lower	Upper
75	100		
110	8.3	17.1	51.2#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 5.551 ug/l

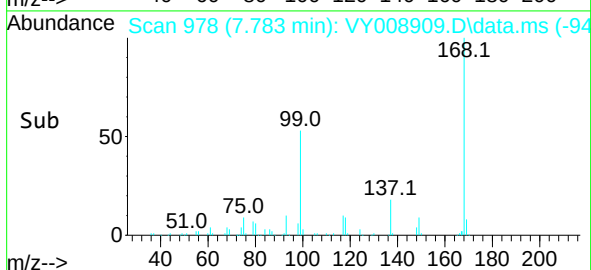
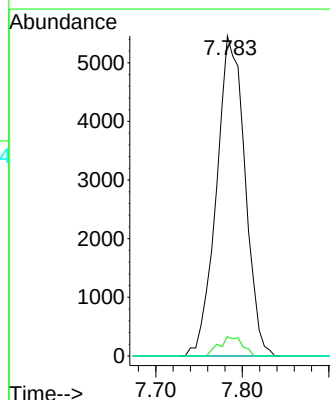
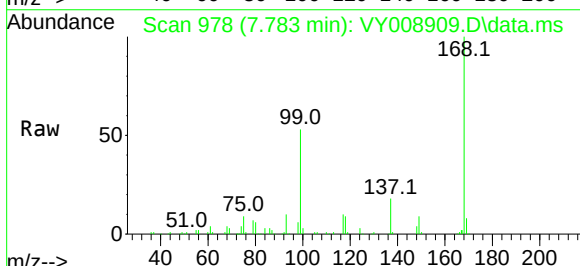
RT: 7.783 min Scan# 978

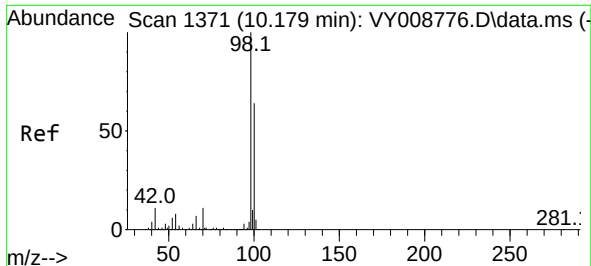
Delta R.T. -0.116 min

Lab File: VY008909.D

Acq: 20 May 2022 08:30

Tgt Ion:	117	Resp:	12473
Ion	Ratio	Lower	Upper
117	100		
119	6.1	77.9	116.9#
121	0.0	24.8	37.2#

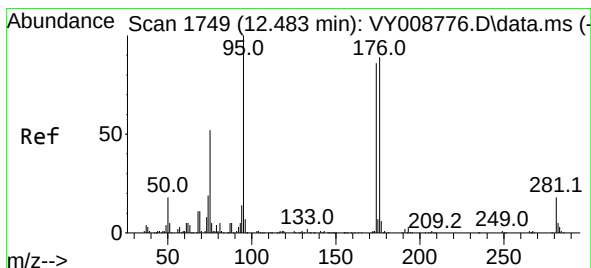
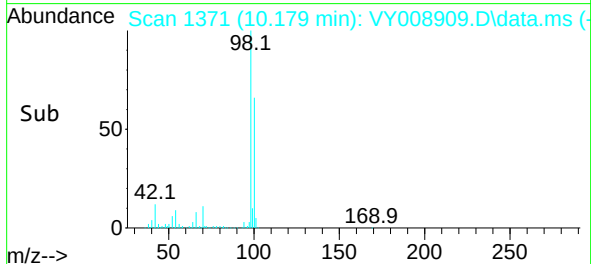
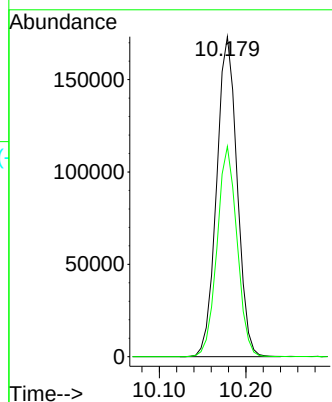
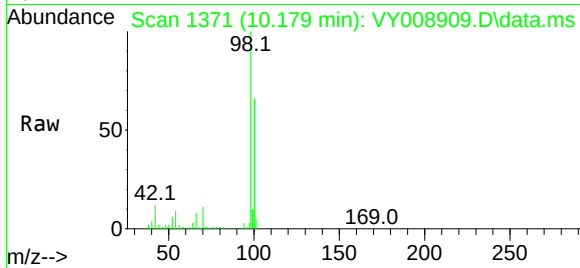




#50
Toluene-d8
Concen: 48.991 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY008909.D
Acq: 20 May 2022 08:30

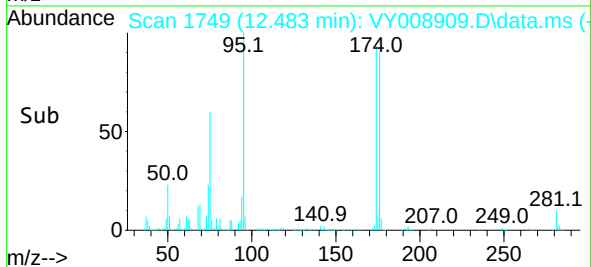
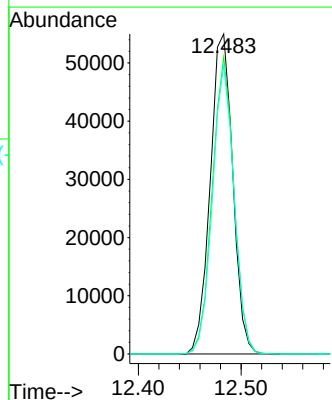
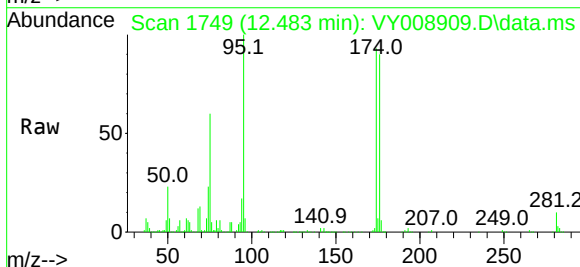
Instrument :
MSVOA_Y
ClientSampleId :
P027-SS001-1218-01

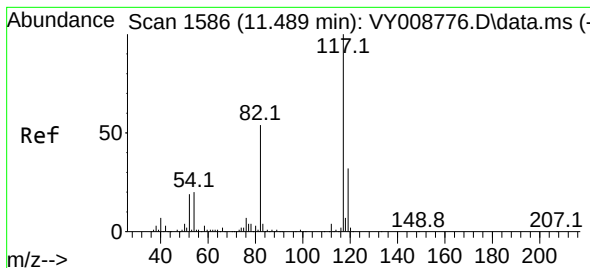
Tgt Ion: 98 Resp: 284653
Ion Ratio Lower Upper
98 100
100 64.0 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 40.982 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008909.D
Acq: 20 May 2022 08:30

Tgt Ion: 95 Resp: 83692
Ion Ratio Lower Upper
95 100
174 89.5 0.0 177.0
176 86.4 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY008909.D

Acq: 20 May 2022 08:30

Instrument :

MSVOA_Y

ClientSampleId :

P027-SS001-1218-01

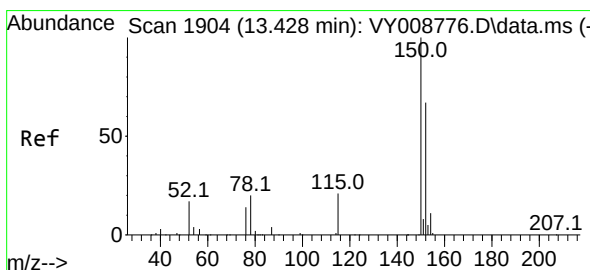
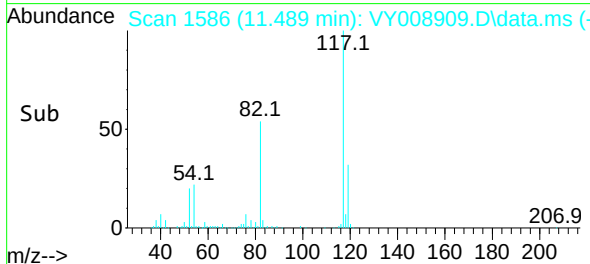
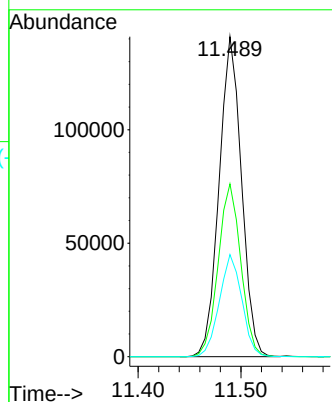
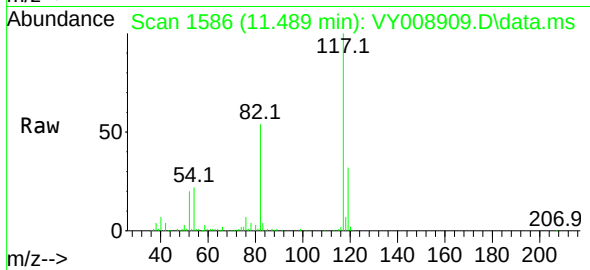
Tgt Ion:117 Resp: 213293

Ion Ratio Lower Upper

117 100

82 54.0 43.0 64.4

119 31.9 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: VY008909.D

Acq: 20 May 2022 08:30

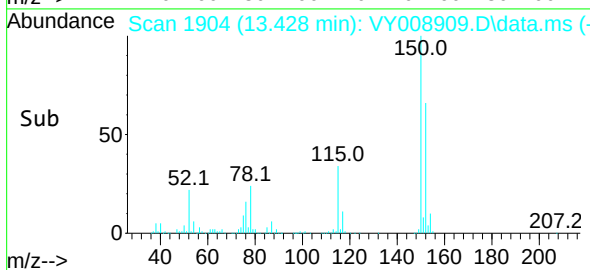
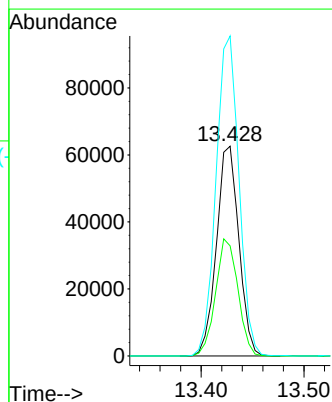
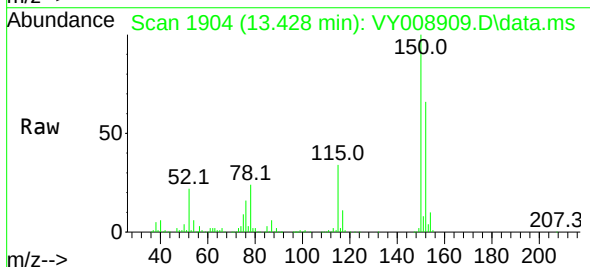
Tgt Ion:152 Resp: 94654

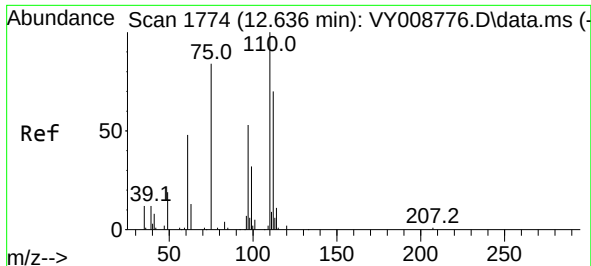
Ion Ratio Lower Upper

152 100

115 55.6 28.2 84.7

150 155.9 0.0 347.6

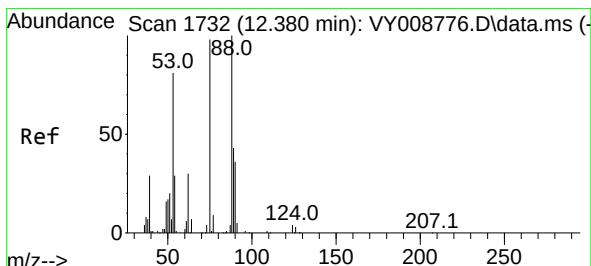
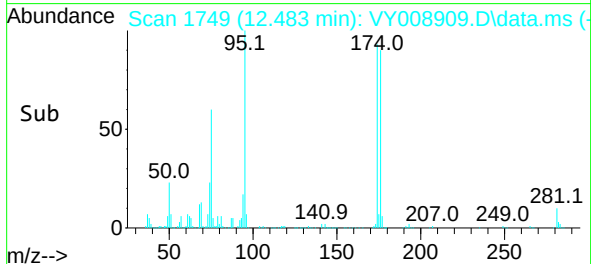
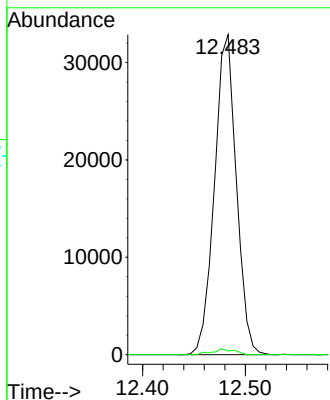
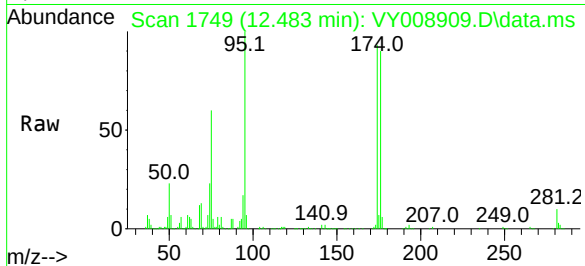




#76
1,2,3-Trichloropropane
Concen: 44.337 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY008909.D
Acq: 20 May 2022 08:30

Instrument :
MSVOA_Y
ClientSampleId :
P027-SS001-1218-01

Tgt Ion: 75 Resp: 48478
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.979 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008909.D
Acq: 20 May 2022 08:30

Tgt Ion: 75 Resp: 48478
Ion Ratio Lower Upper
75 100
53 0.6 85.3 127.9#
89 0.0 37.0 55.4#

