

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051822\
 Data File : VY008820.D
 Acq On : 18 May 2022 17:40
 Operator : KP/MD
 Sample : N2841-13
 Misc : 5.36g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P006-SS002-1218-01

Quant Time: May 19 03:12:05 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)

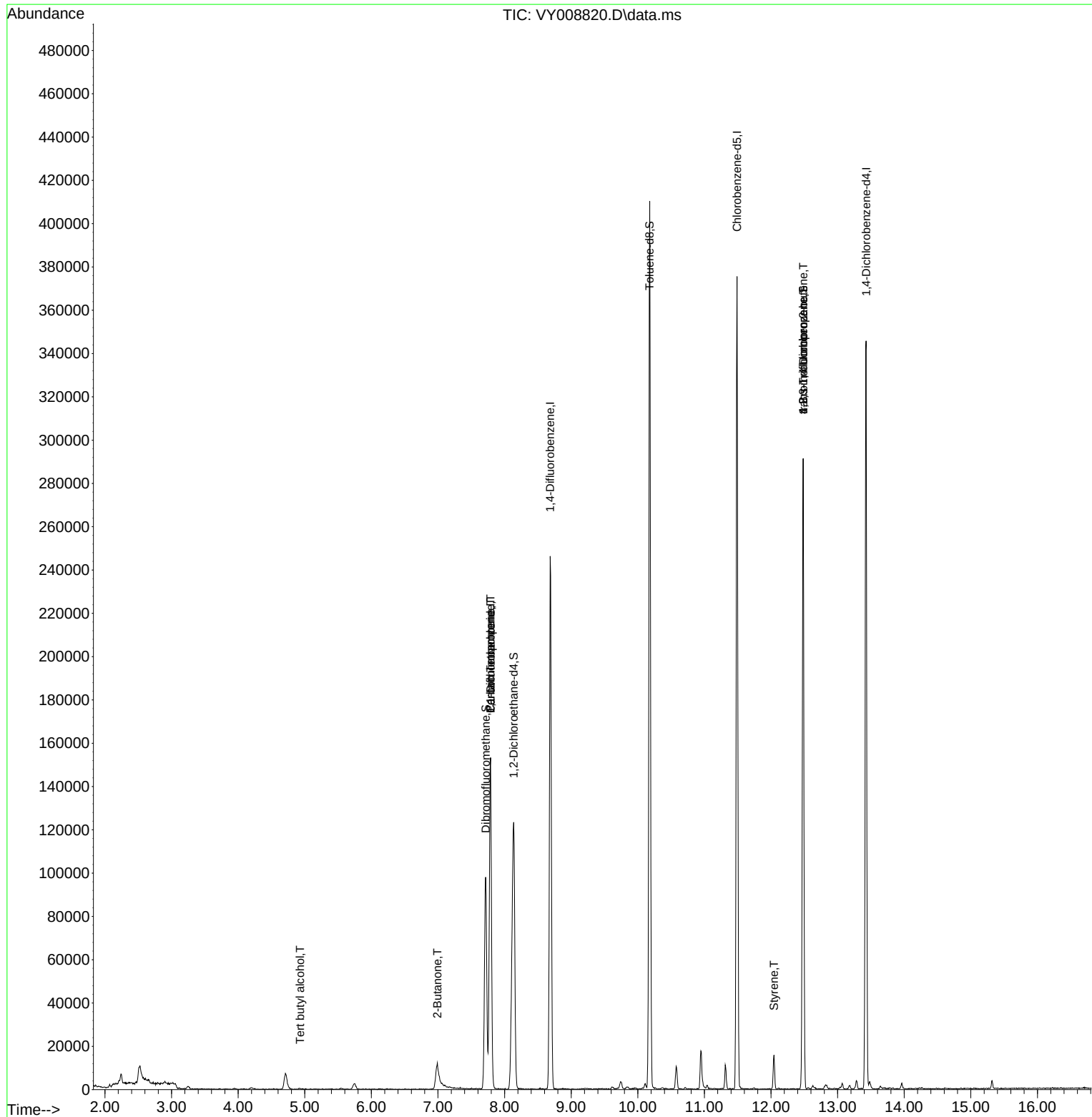
Internal Standards						
1) Pentafluorobenzene	7.789	168	118122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	207271	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	198868	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	85901	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	74467	67.955	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 135.920%			
35) Dibromofluoromethane	7.716	113	67566	55.792	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.580%			
50) Toluene-d8	10.179	98	260957	48.574	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.140%			
62) 4-Bromofluorobenzene	12.483	95	77774	41.149	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 82.300%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	191	Below Cal	#	43
3) Chloromethane	2.107	50	140	Below Cal	#	44
4) Vinyl Chloride	2.266	62	331	Below Cal	#	43
5) Bromomethane	2.662	94	239	Below Cal	#	47
6) Chloroethane	2.833	64	61	Below Cal	#	43
7) Trichlorofluoromethane	3.125	101	117	Below Cal	#	21
11) Tert butyl alcohol	4.930	59	252	2.081 ug/l	#	77
16) Acetone	3.948	43	636	Below Cal	#	47
18) Methyl Acetate	4.509	43	21	Below Cal	#	56
20) Methylene Chloride	4.716	84	5348	Below Cal	#	79
25) 2-Butanone	6.990	43	544	1.183 ug/l	#	54
31) Cyclohexane	7.783	56	2854	Below Cal	#	21
36) 1,1-Dichloropropene	7.789	75	9535	4.916 ug/l	#	51
38) Carbon Tetrachloride	7.789	117	11767	5.661 ug/l	#	15
70) Styrene	12.044	104	7533	1.682 ug/l	#	87
76) 1,2,3-Trichloropropane	12.483	75	44503	44.849 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	44503	98.098 ug/l	#	7

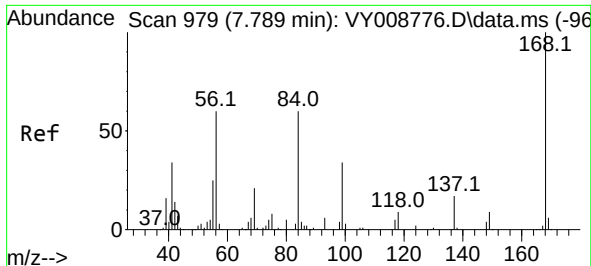
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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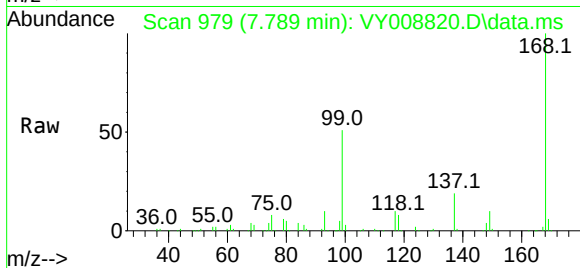
Quant Time: May 19 03:12:05 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
Quant Title : SW846 8260
QLast Update : Wed May 18 07:32:50 2022
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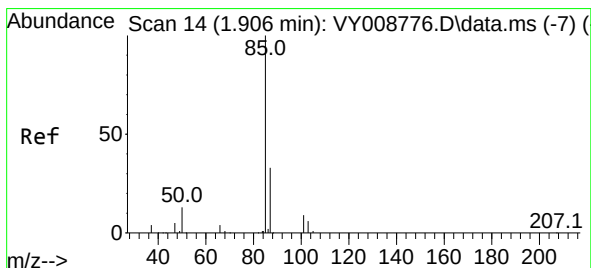
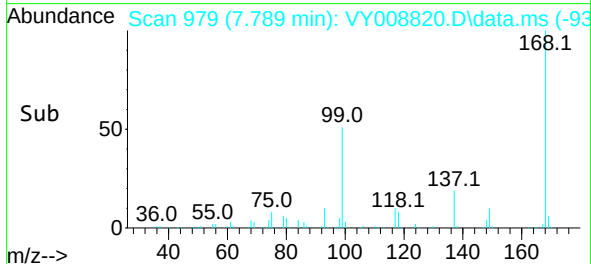
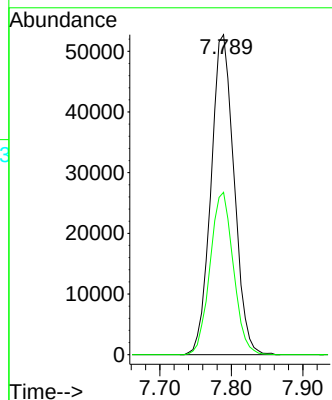


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008820.D
Acq: 18 May 2022 17:40

Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-1218-01

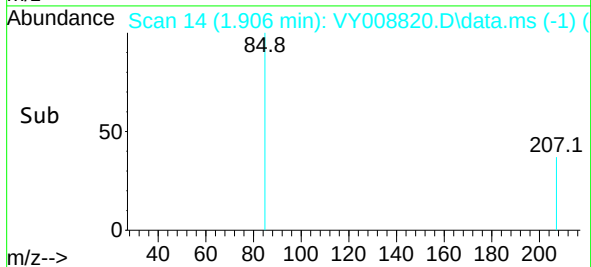
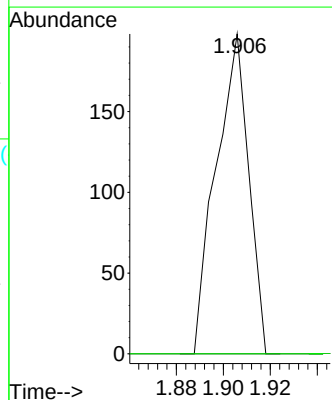
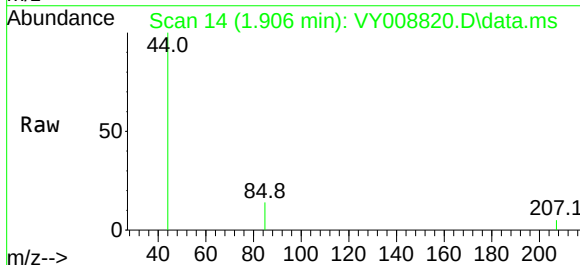


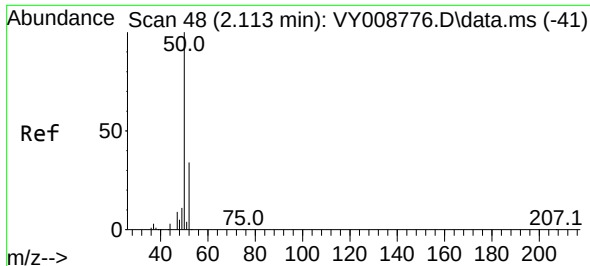
Tgt Ion:168 Resp: 118122
Ion Ratio Lower Upper
168 100
99 50.8 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY008820.D
Acq: 18 May 2022 17:40

Tgt Ion: 85 Resp: 191
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

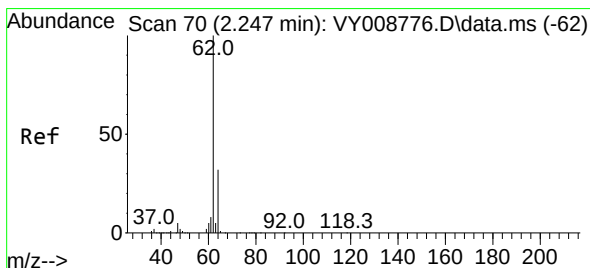
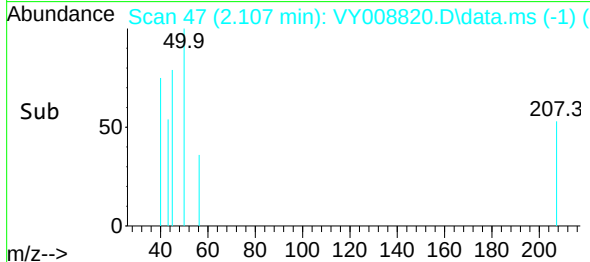
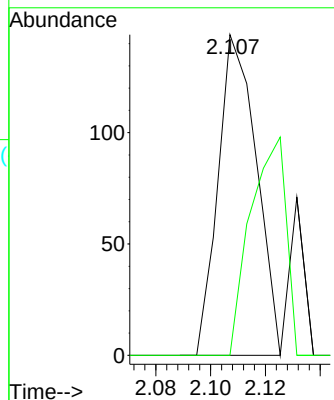
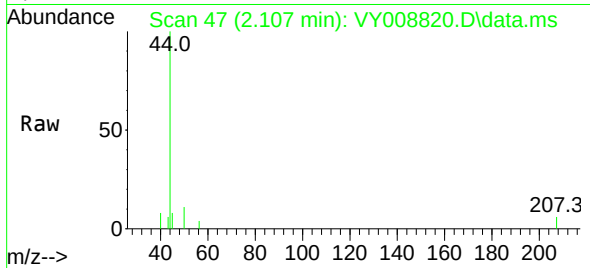




#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY008820.D
Acq: 18 May 2022 17:40

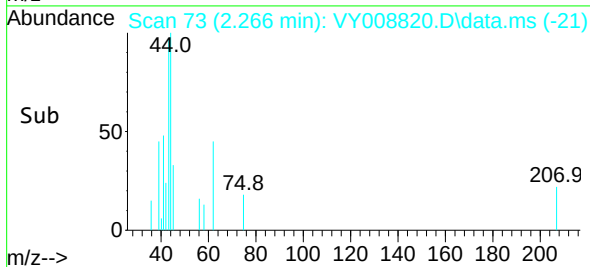
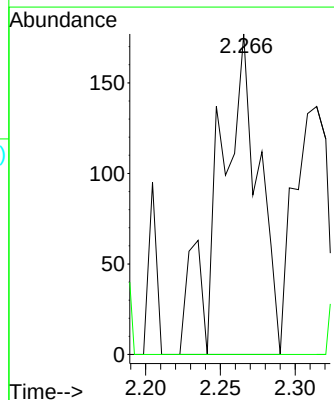
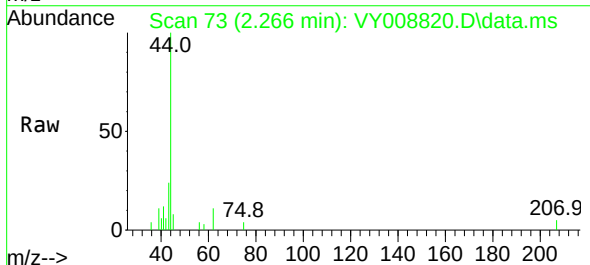
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-1218-01

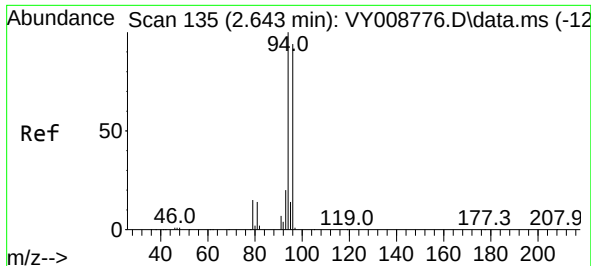
Tgt Ion: 50 Resp: 140
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.266 min Scan# 73
Delta R.T. 0.019 min
Lab File: VY008820.D
Acq: 18 May 2022 17:40

Tgt Ion: 62 Resp: 331
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

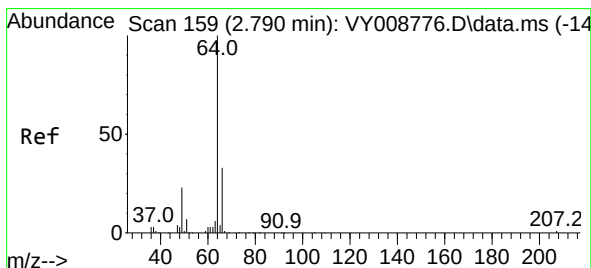
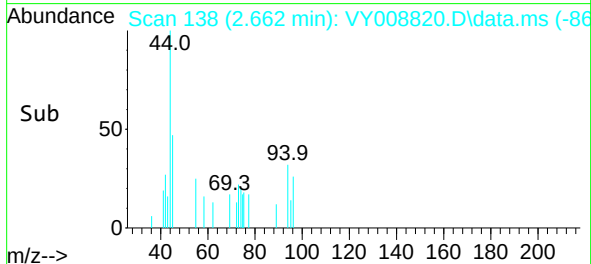
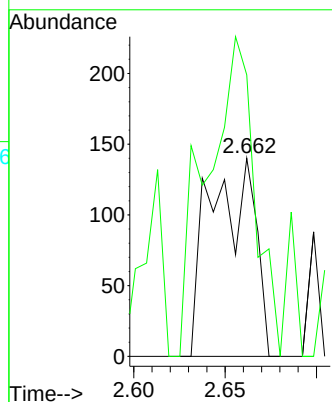
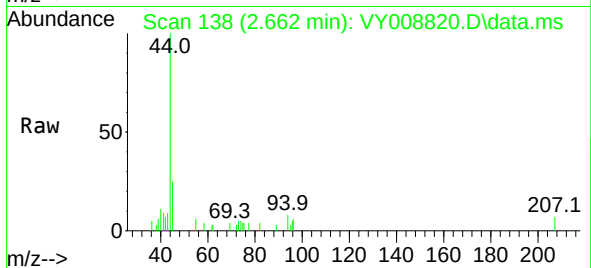




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.019 min
Lab File: VY008820.D
Acq: 18 May 2022 17:40

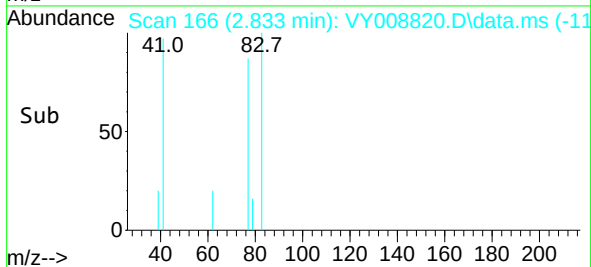
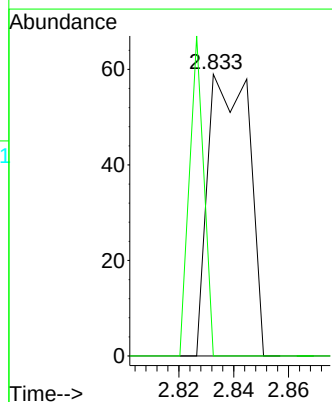
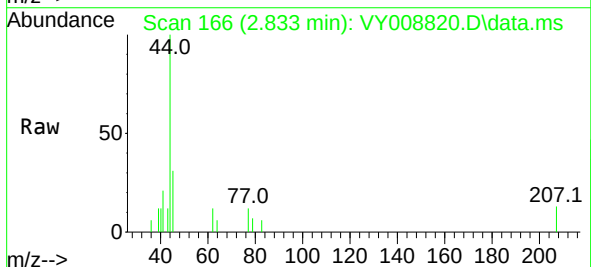
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-1218-01

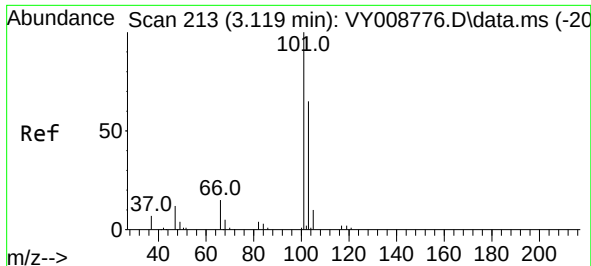
Tgt Ion: 94 Resp: 239
Ion Ratio Lower Upper
94 100
96 142.1 73.5 110.3#



#6
Chloroethane
Concen: Below Cal
RT: 2.833 min Scan# 166
Delta R.T. 0.043 min
Lab File: VY008820.D
Acq: 18 May 2022 17:40

Tgt Ion: 64 Resp: 61
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

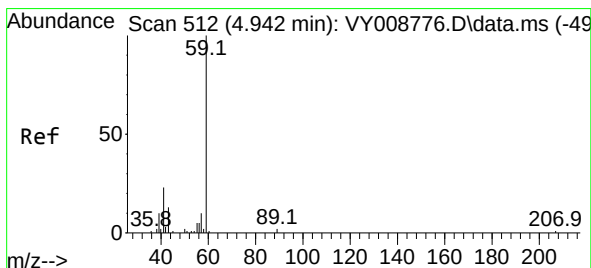
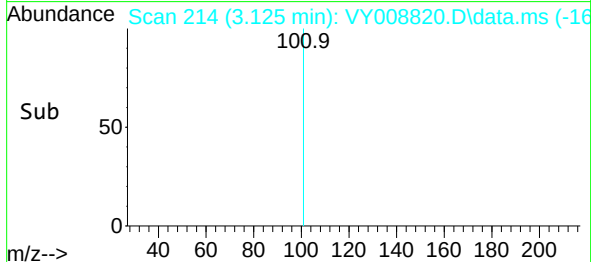
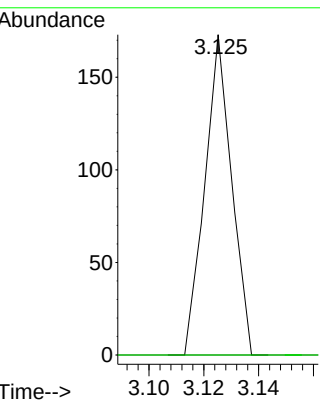
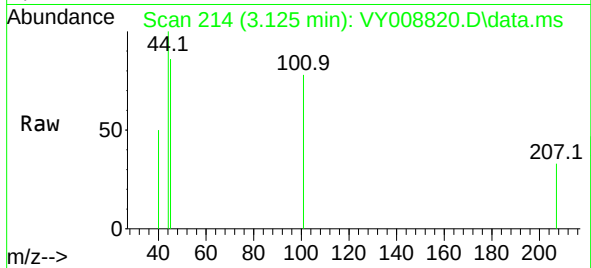




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.125 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY008820.D
Acq: 18 May 2022 17:40

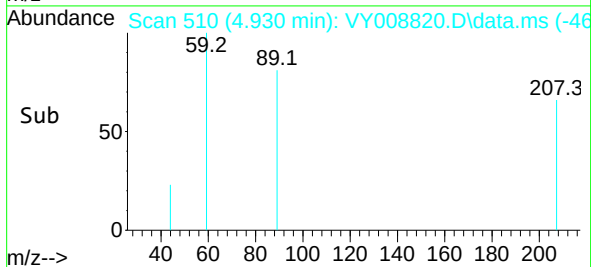
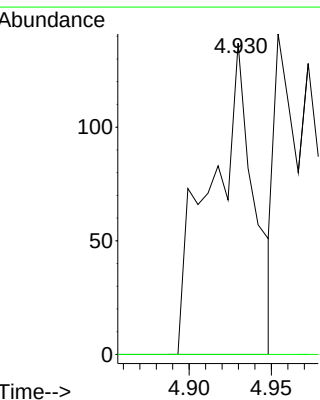
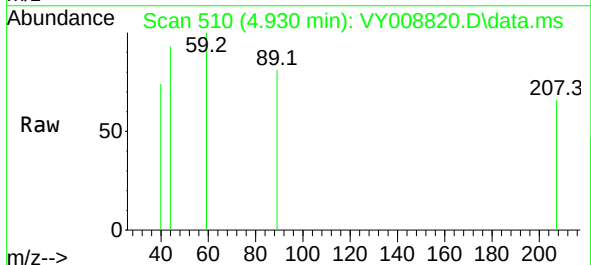
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-1218-01

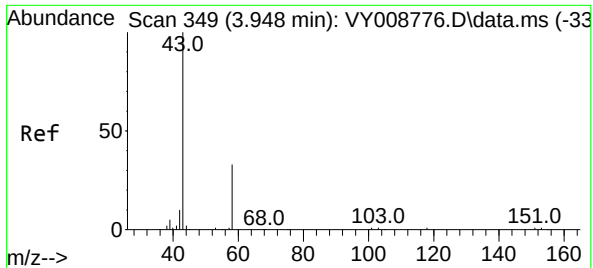
Tgt Ion:101 Resp: 117
Ion Ratio Lower Upper
101 100
103 0.0 48.0 72.0#



#11
Tert butyl alcohol
Concen: 2.081 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.012 min
Lab File: VY008820.D
Acq: 18 May 2022 17:40

Tgt Ion: 59 Resp: 252
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

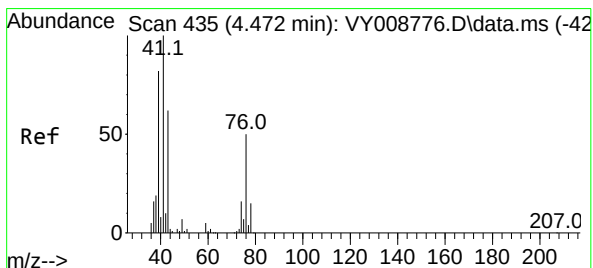
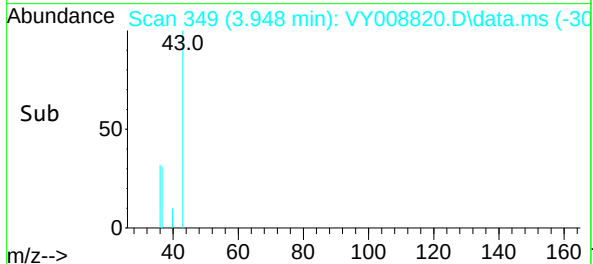
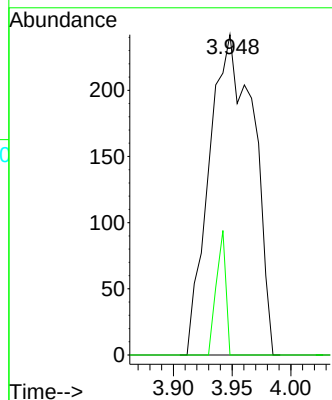
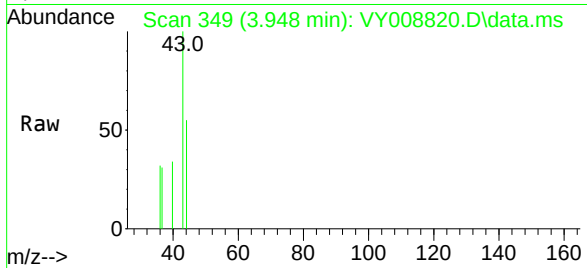




#16
Acetone
Concen: Below Cal
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY008820.D
Acq: 18 May 2022 17:40

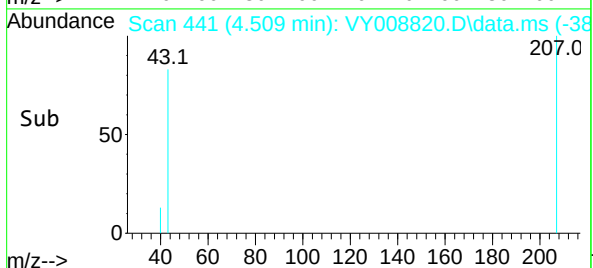
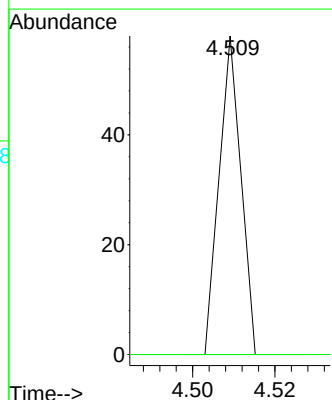
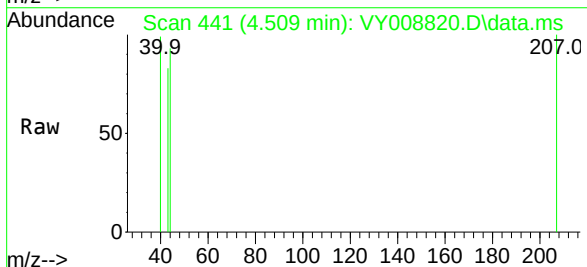
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-1218-01

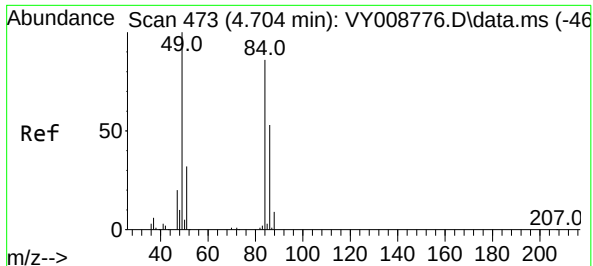
Tgt Ion: 43 Resp: 636
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.509 min Scan# 441
Delta R.T. 0.037 min
Lab File: VY008820.D
Acq: 18 May 2022 17:40

Tgt Ion: 43 Resp: 21
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: VY008820.D

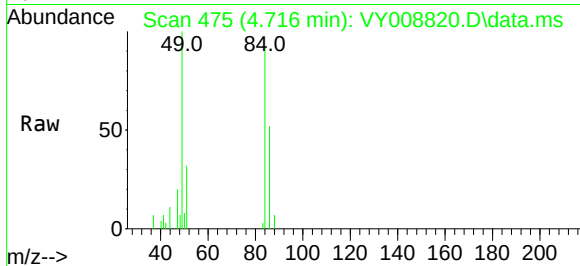
Acq: 18 May 2022 17:40

Instrument :

MSVOA_Y

ClientSampleId :

P006-SS002-1218-01



Tgt Ion: 84 Resp: 5348

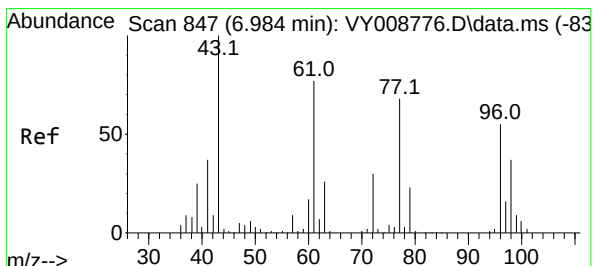
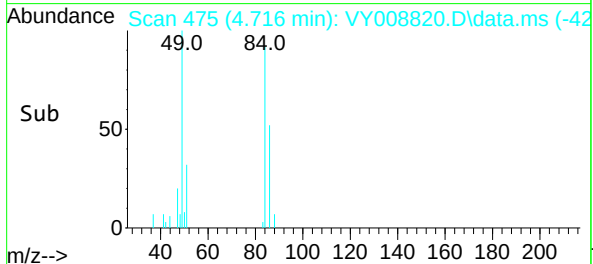
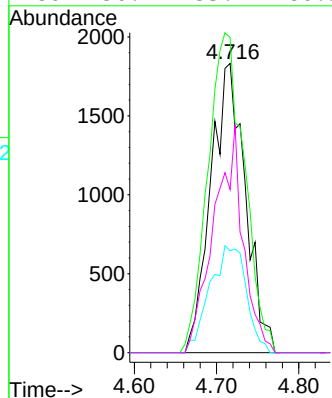
Ion Ratio Lower Upper

84 100

49 109.0 114.4 171.6#

51 35.2 35.3 52.9#

86 56.4 53.7 80.5



#25

2-Butanone

Concen: 1.183 ug/l

RT: 6.990 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY008820.D

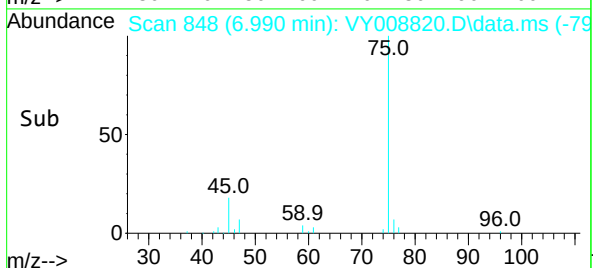
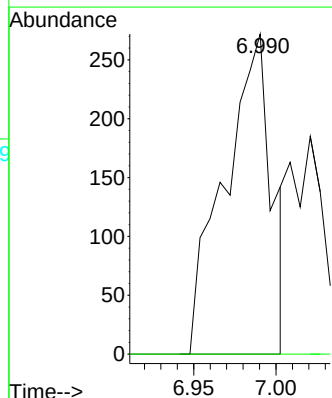
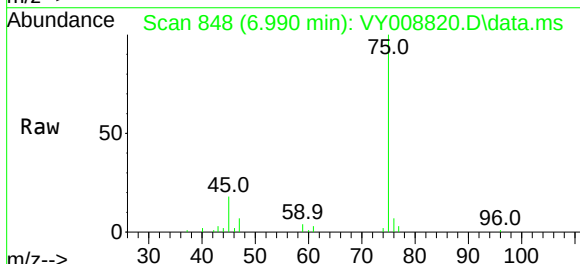
Acq: 18 May 2022 17:40

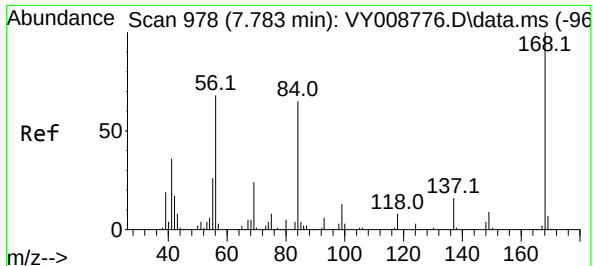
Tgt Ion: 43 Resp: 544

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#

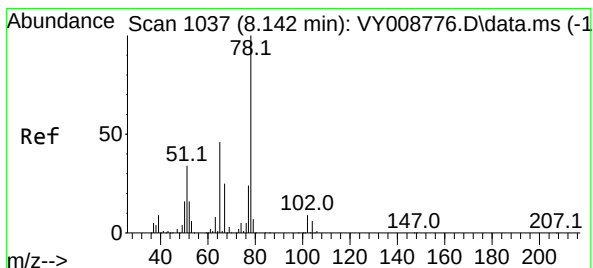
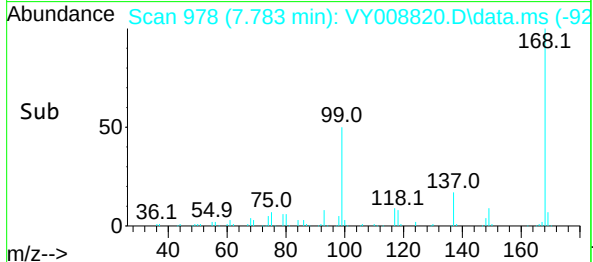
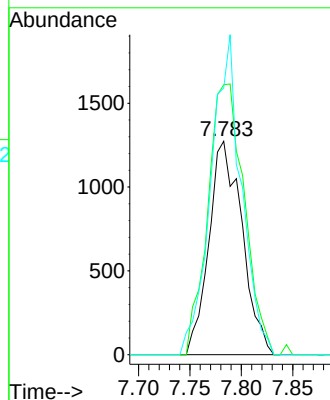
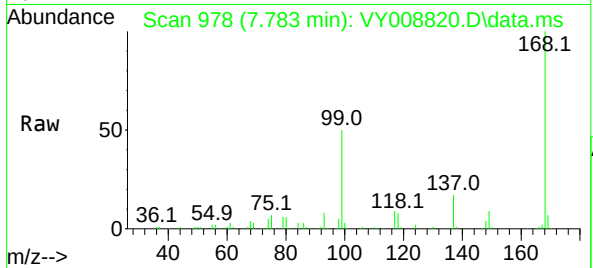




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008820.D
Acq: 18 May 2022 17:40

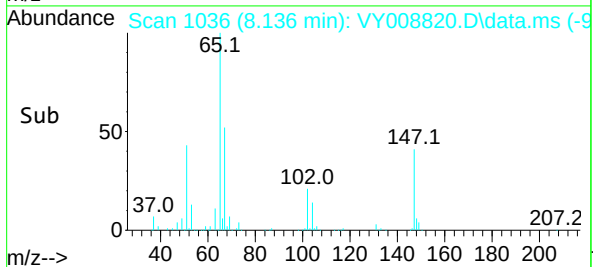
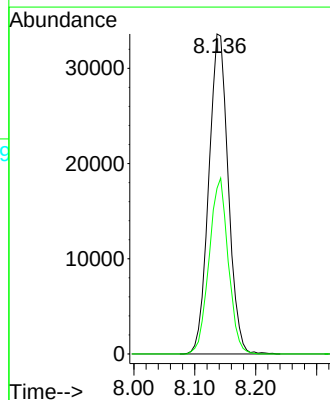
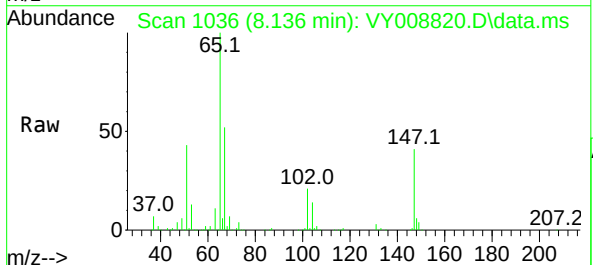
Instrument :
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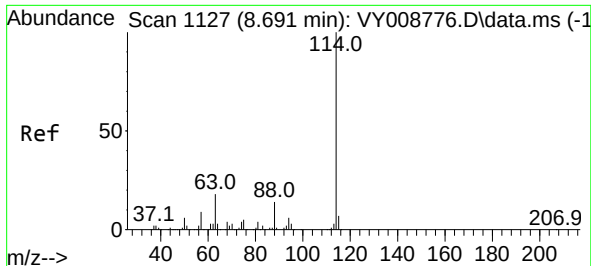
Tgt Ion: 56 Resp: 2854
Ion Ratio Lower Upper
56 100
69 126.5 26.7 40.1#
84 125.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 67.955 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY008820.D
Acq: 18 May 2022 17:40

Tgt Ion: 65 Resp: 74467
Ion Ratio Lower Upper
65 100
67 54.0 0.0 99.4

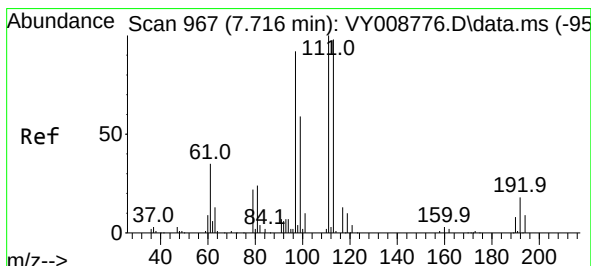
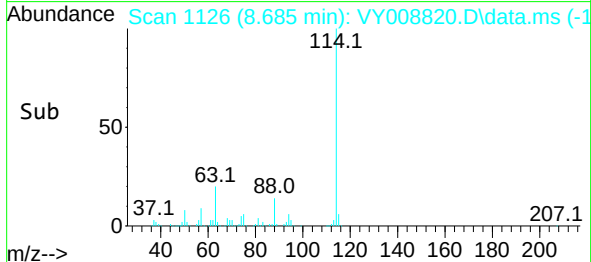
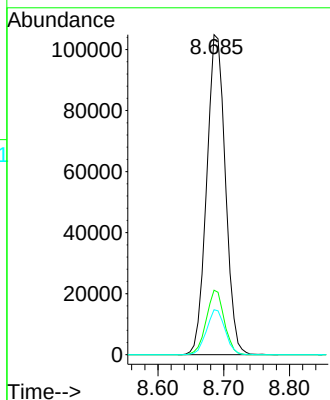
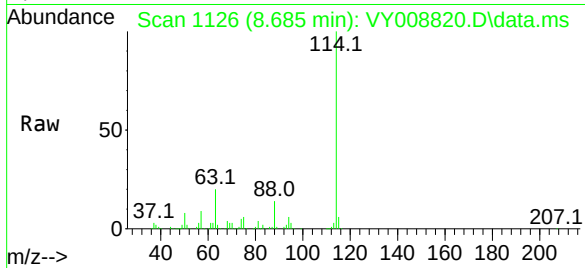




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY008820.D
Acq: 18 May 2022 17:40

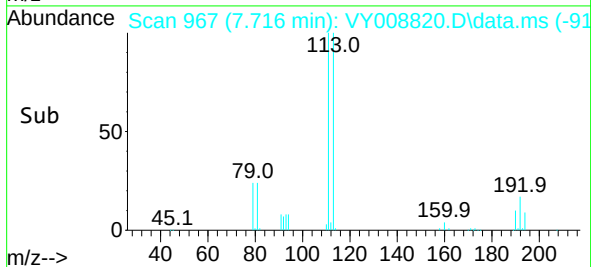
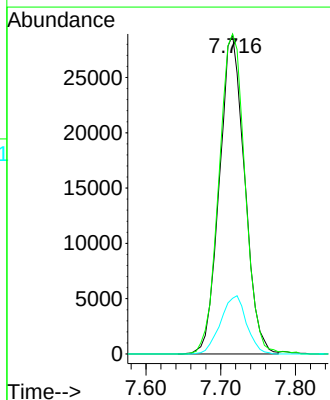
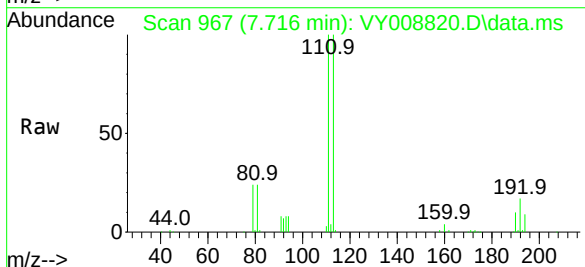
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-1218-01

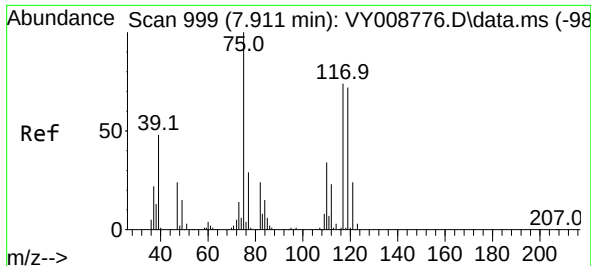
Tgt Ion:114 Resp: 207271
Ion Ratio Lower Upper
114 100
63 20.2 0.0 43.2
88 14.1 0.0 31.8



#35
Dibromofluoromethane
Concen: 55.792 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY008820.D
Acq: 18 May 2022 17:40

Tgt Ion:113 Resp: 67566
Ion Ratio Lower Upper
113 100
111 104.0 82.6 124.0
192 18.8 17.6 26.4

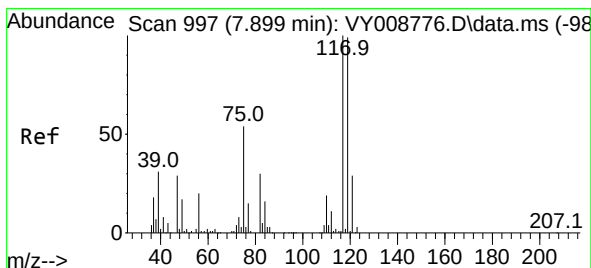
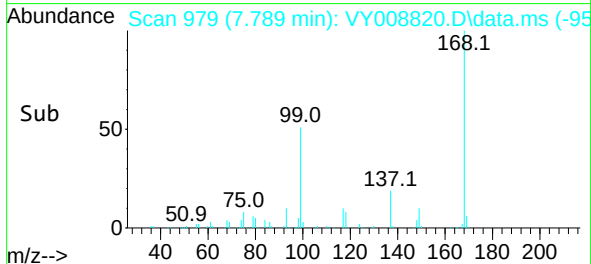
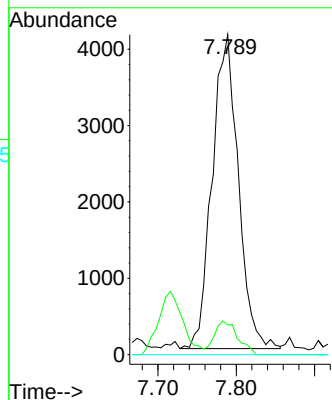
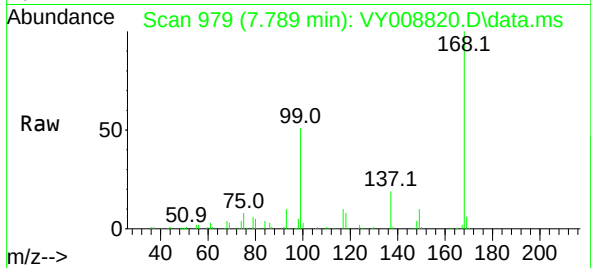




#36
 1,1-Dichloropropene
 Concen: 4.916 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.122 min
 Lab File: VY008820.D
 Acq: 18 May 2022 17:40

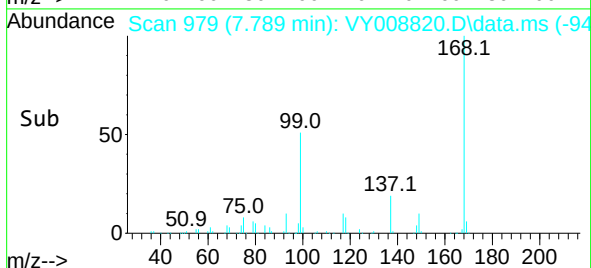
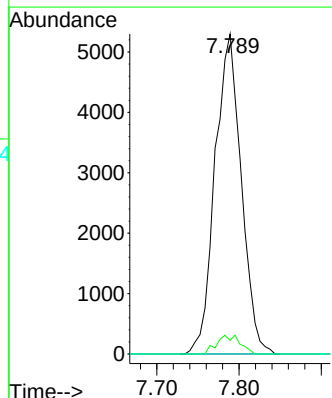
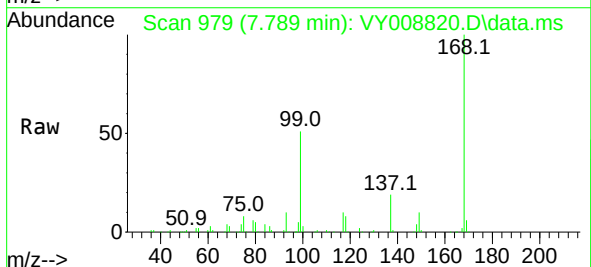
Instrument :
 MSVOA_Y
 ClientSampleId :
 P006-SS002-1218-01

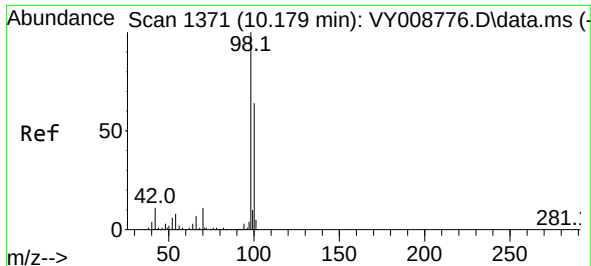
Tgt Ion: 75 Resp: 9535
 Ion Ratio Lower Upper
 75 100
 110 9.6 17.1 51.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.661 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.110 min
 Lab File: VY008820.D
 Acq: 18 May 2022 17:40

Tgt Ion: 117 Resp: 11767
 Ion Ratio Lower Upper
 117 100
 119 4.3 77.9 116.9#
 121 0.0 24.8 37.2#

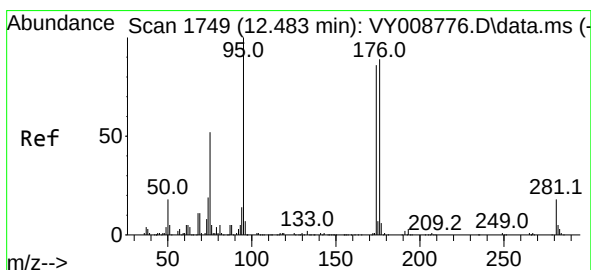
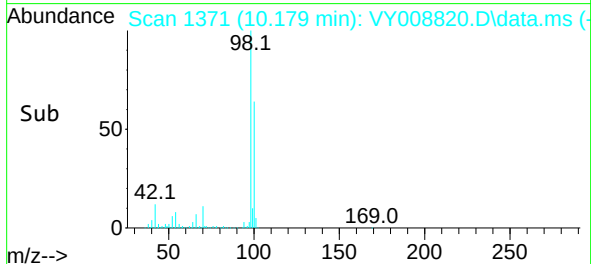
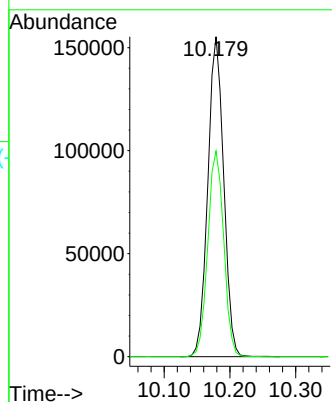
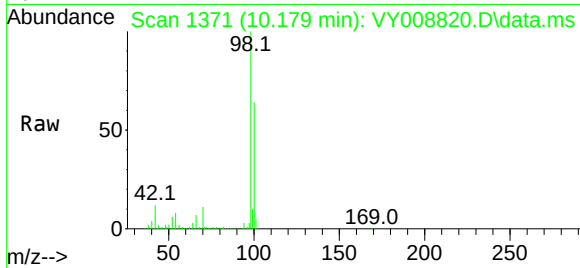




#50
Toluene-d8
Concen: 48.574 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008820.D
Acq: 18 May 2022 17:40

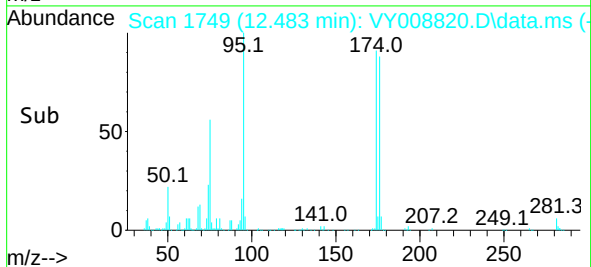
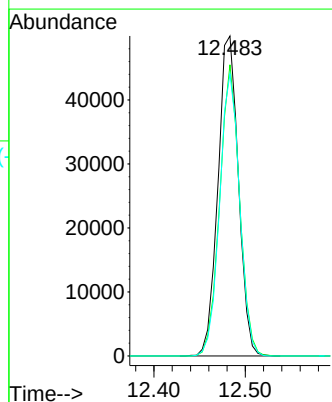
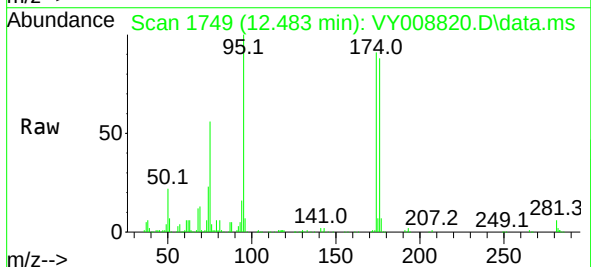
Instrument :
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ClientSampleId :
P006-SS002-1218-01

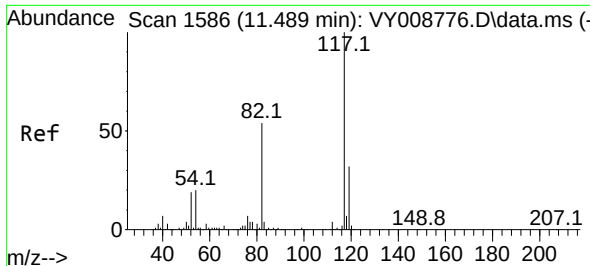
Tgt Ion: 98 Resp: 260957
Ion Ratio Lower Upper
98 100
100 64.4 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 41.149 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008820.D
Acq: 18 May 2022 17:40

Tgt Ion: 95 Resp: 77774
Ion Ratio Lower Upper
95 100
174 87.9 0.0 177.0
176 86.4 0.0 175.8

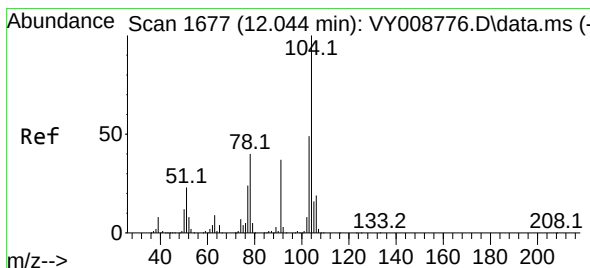
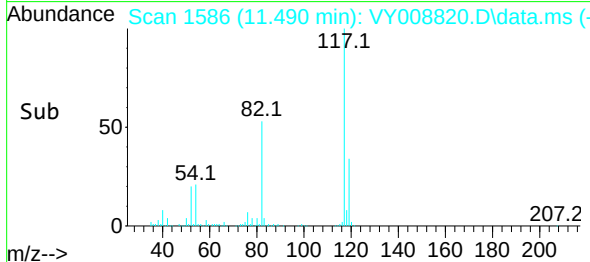
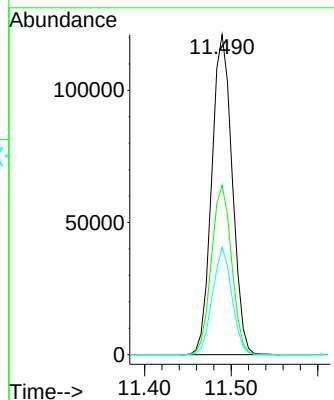
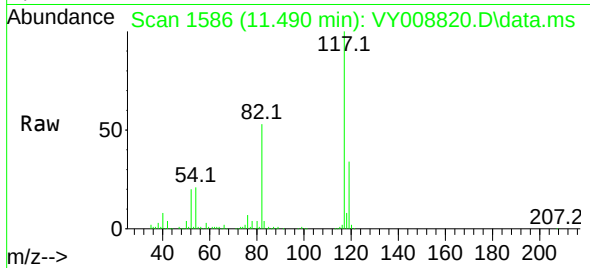




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY008820.D
Acq: 18 May 2022 17:40

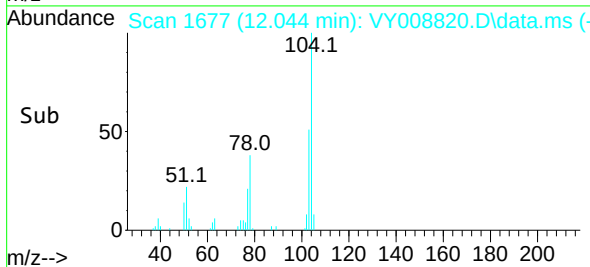
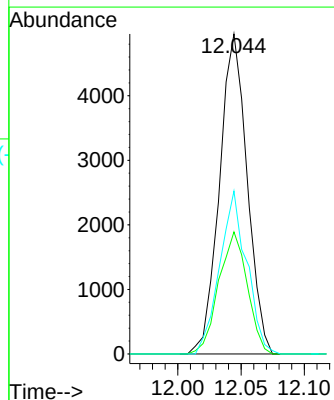
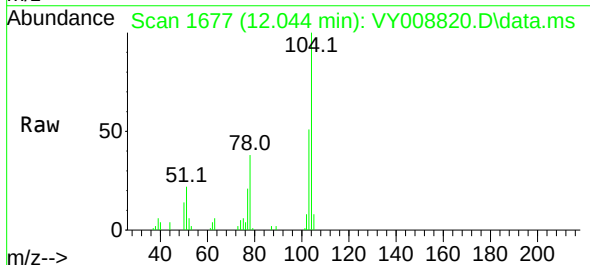
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-1218-01

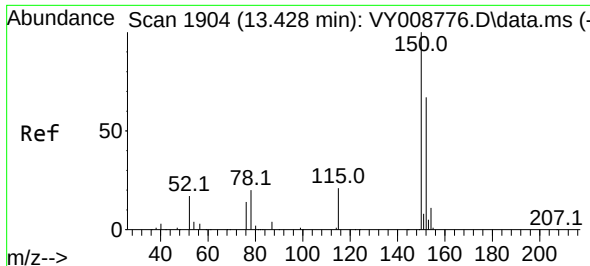
Tgt Ion:117 Resp: 198868
Ion Ratio Lower Upper
117 100
82 52.9 43.0 64.4
119 33.6 25.4 38.0



#70
Styrene
Concen: 1.682 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. 0.000 min
Lab File: VY008820.D
Acq: 18 May 2022 17:40

Tgt Ion:104 Resp: 7533
Ion Ratio Lower Upper
104 100
78 39.4 42.4 63.6#
103 49.8 44.4 66.6

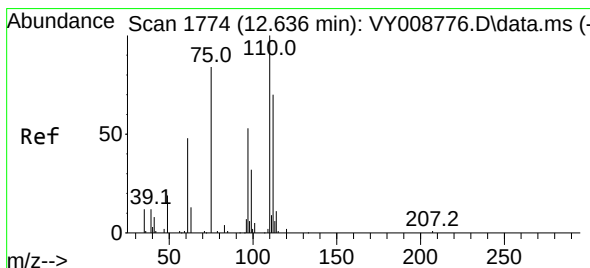
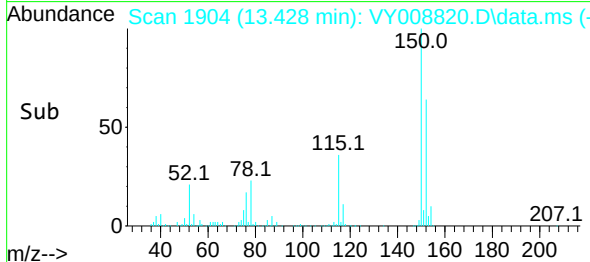
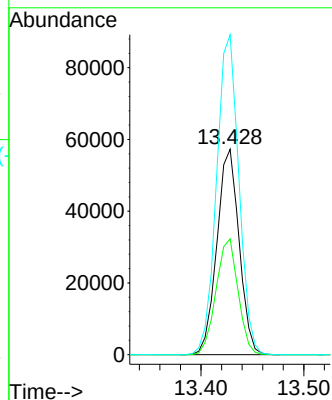
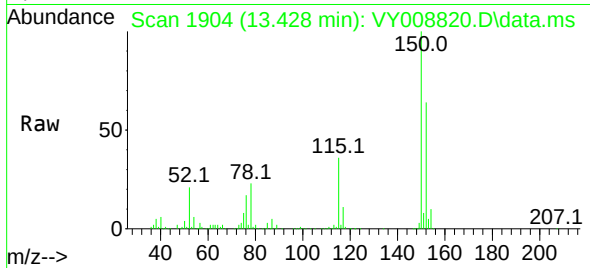




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: VY008820.D
 Acq: 18 May 2022 17:40

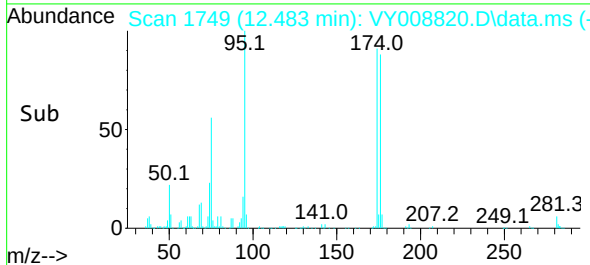
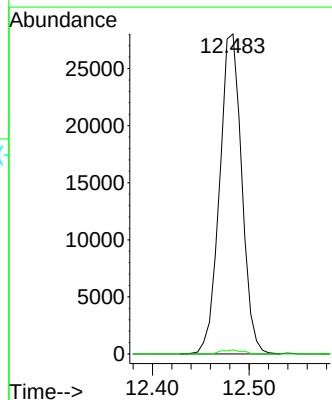
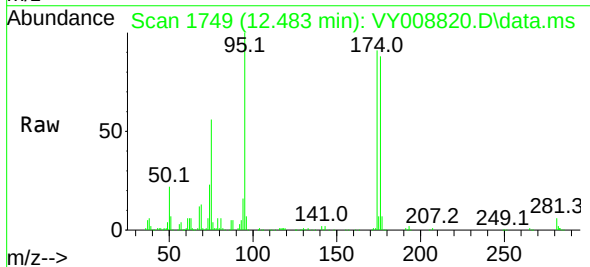
Instrument :
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 ClientSampleId :
 P006-SS002-1218-01

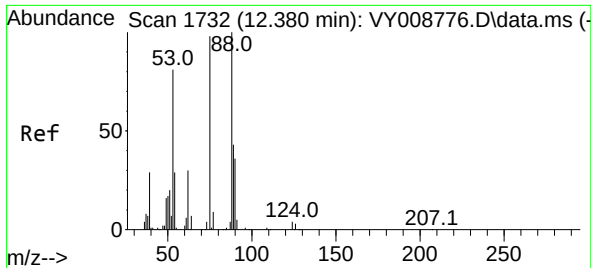
Tgt Ion:152 Resp: 85901
 Ion Ratio Lower Upper
 152 100
 115 55.9 28.2 84.7
 150 156.1 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 44.849 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY008820.D
 Acq: 18 May 2022 17:40

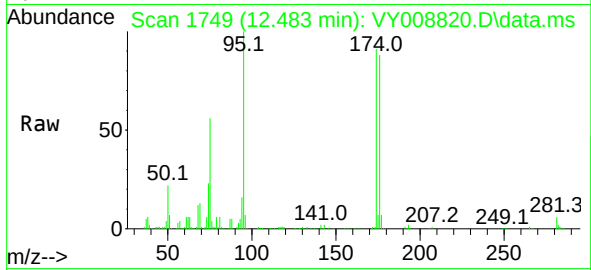
Tgt Ion: 75 Resp: 44503
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 98.098 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY008820.D
 Acq: 18 May 2022 17:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 P006-SS002-1218-01



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

