

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051922\
 Data File : VY008871.D
 Acq On : 19 May 2022 16:34
 Operator : KP/MD
 Sample : N2841-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P002-SS003-0006-01

Quant Time: May 20 02:52:43 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)

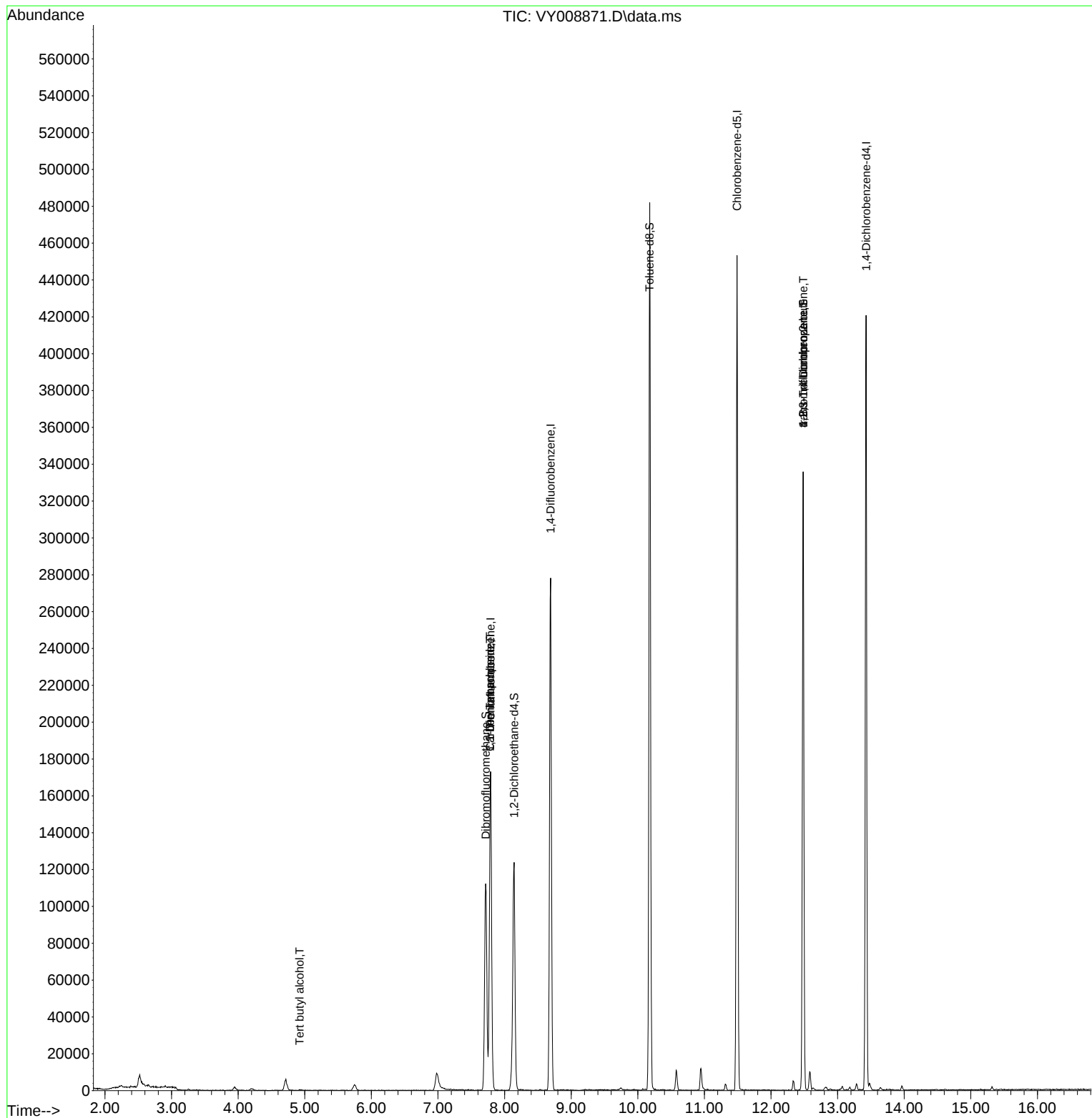
Internal Standards						
1) Pentafluorobenzene	7.789	168	130286	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	235349	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	232375	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	99560	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	88049	72.848	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 145.700%	
35) Dibromofluoromethane	7.716	113	76648	55.740	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.480%	
50) Toluene-d8	10.179	98	302034	49.452	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.900%	
62) 4-Bromofluorobenzene	12.483	95	88195	41.100	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 82.200%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	487	Below Cal	#	43
3) Chloromethane	2.119	50	144	Below Cal	#	44
4) Vinyl Chloride	2.259	62	48	Below Cal	#	43
5) Bromomethane	2.656	94	96	Below Cal		82
6) Chloroethane	2.887	64	22	Below Cal	#	43
7) Trichlorofluoromethane	3.125	101	66	Below Cal	#	21
11) Tert butyl alcohol	4.924	59	290	2.171 ug/l	#	77
16) Acetone	3.948	43	3177	Below Cal		92
18) Methyl Acetate	4.722	43	46	Below Cal	#	56
20) Methylene Chloride	4.716	84	4074	Below Cal		87
31) Cyclohexane	7.789	56	3366	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	11613	5.273 ug/l	#	49
38) Carbon Tetrachloride	7.783	117	13136	5.565 ug/l	#	16
76) 1,2,3-Trichloropropane	12.483	75	51149	44.475 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	51149	97.280 ug/l	#	7

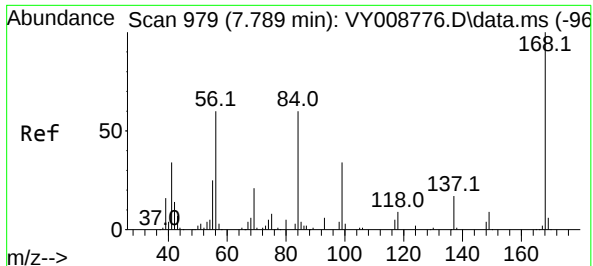
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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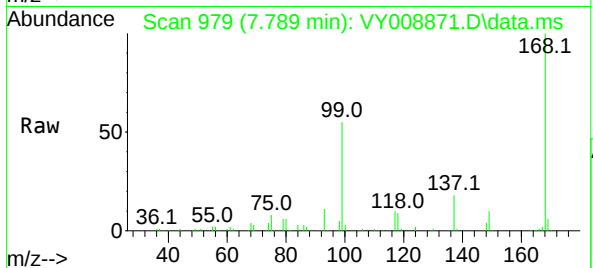
Quant Time: May 20 02:52:43 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
Quant Title : SW846 8260
QLast Update : Wed May 18 07:32:50 2022
Response via : Initial Calibration



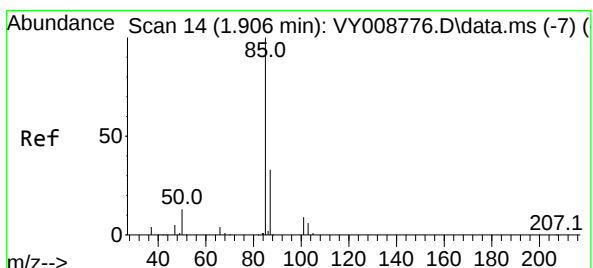
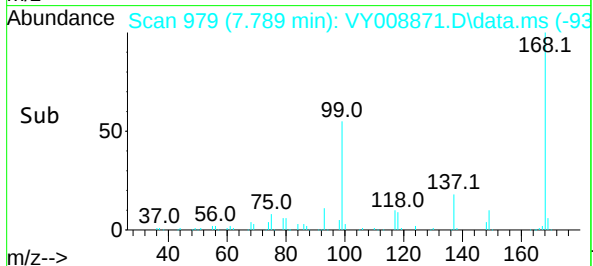
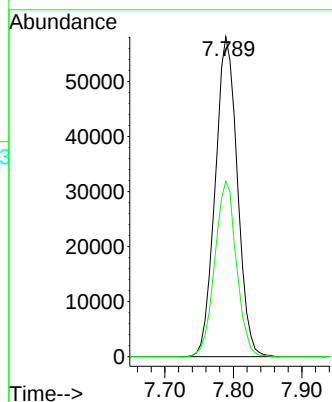


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008871.D
Acq: 19 May 2022 16:34

Instrument :
MSVOA_Y
ClientSampleId :
P002-SS003-0006-01

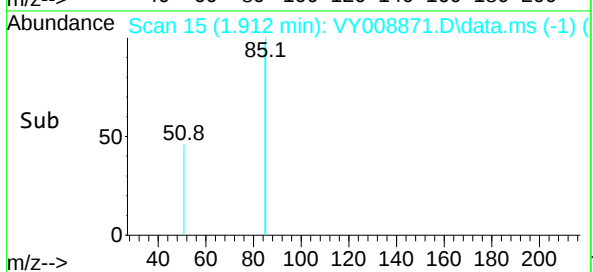
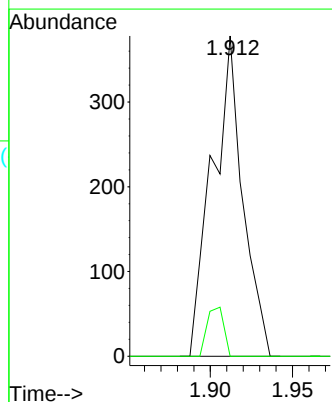
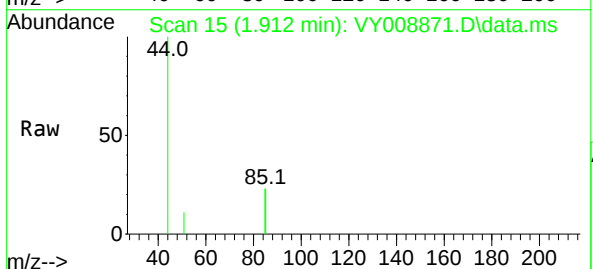


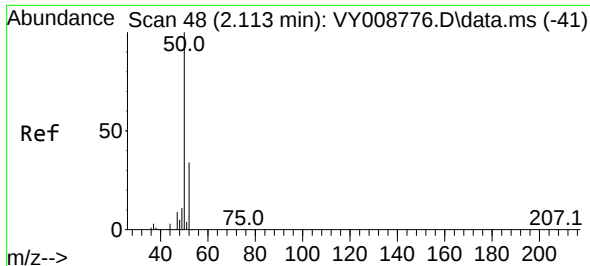
Tgt Ion:168 Resp: 130286
Ion Ratio Lower Upper
168 100
99 54.8 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY008871.D
Acq: 19 May 2022 16:34

Tgt Ion: 85 Resp: 487
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

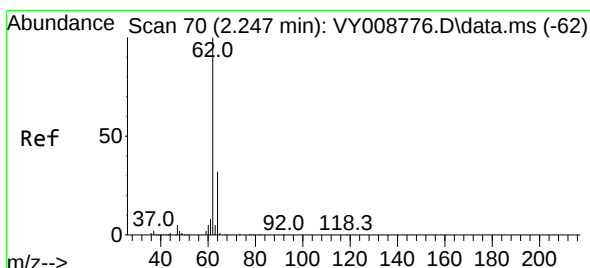
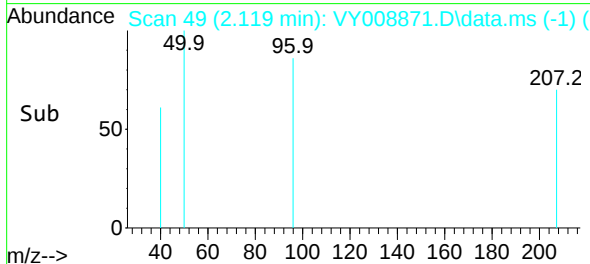
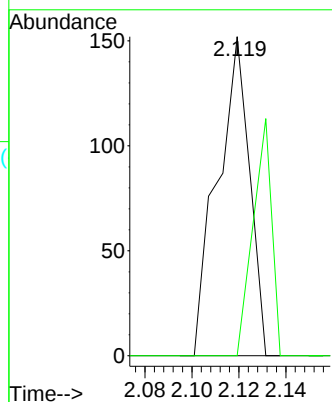
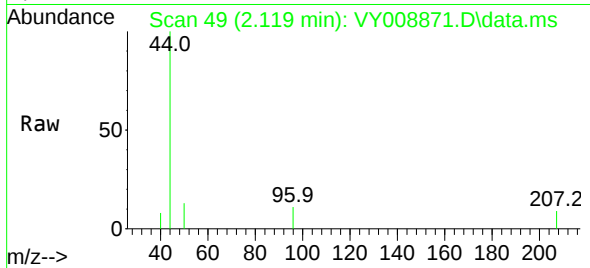




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY008871.D
Acq: 19 May 2022 16:34

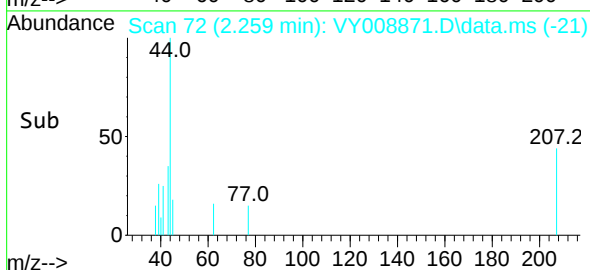
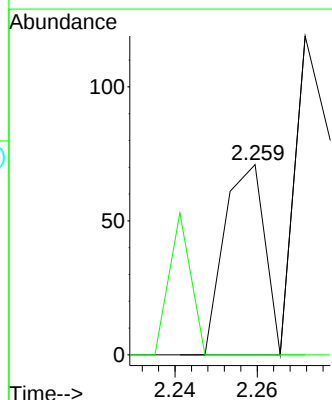
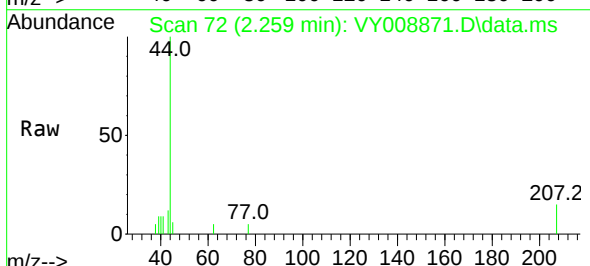
Instrument :
MSVOA_Y
ClientSampleId :
P002-SS003-0006-01

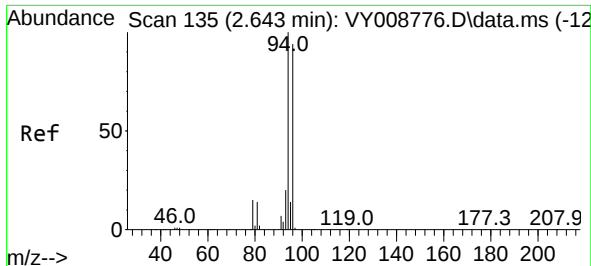
Tgt Ion: 50 Resp: 144
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.259 min Scan# 72
Delta R.T. 0.012 min
Lab File: VY008871.D
Acq: 19 May 2022 16:34

Tgt Ion: 62 Resp: 48
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

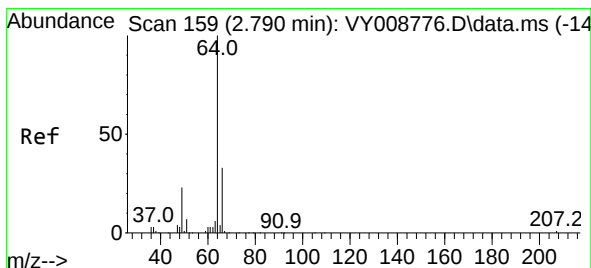
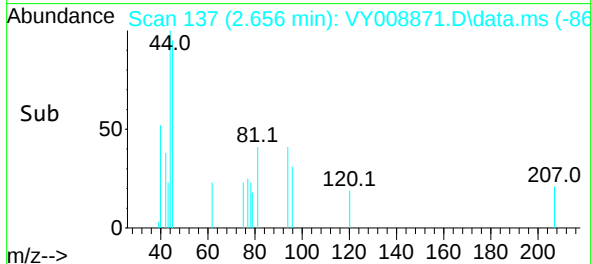
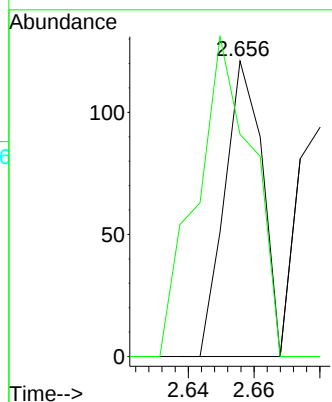
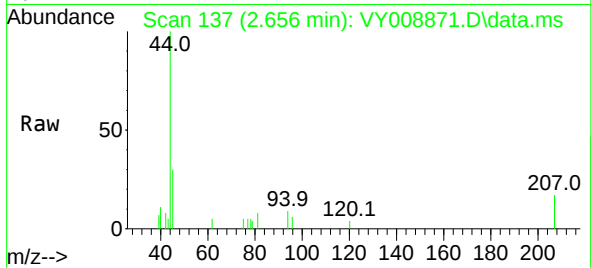




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY008871.D
Acq: 19 May 2022 16:34

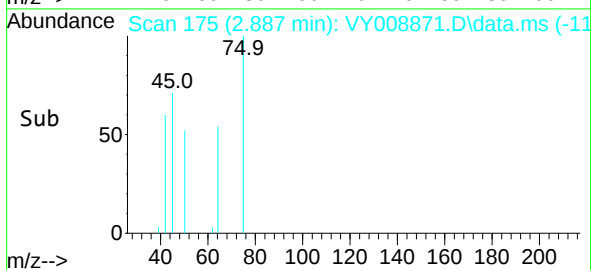
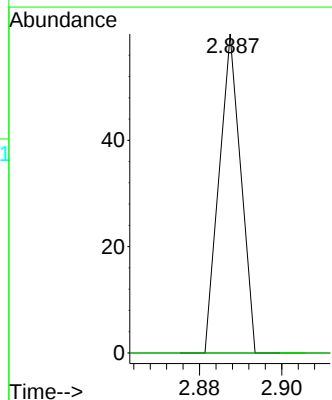
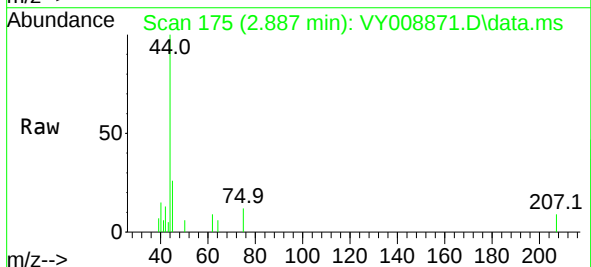
Instrument :
MSVOA_Y
ClientSampleId :
P002-SS003-0006-01

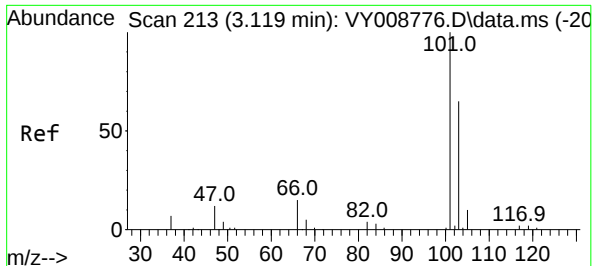
Tgt Ion: 94 Resp: 96
Ion Ratio Lower Upper
94 100
96 75.2 73.5 110.3



#6
Chloroethane
Concen: Below Cal
RT: 2.887 min Scan# 175
Delta R.T. 0.097 min
Lab File: VY008871.D
Acq: 19 May 2022 16:34

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

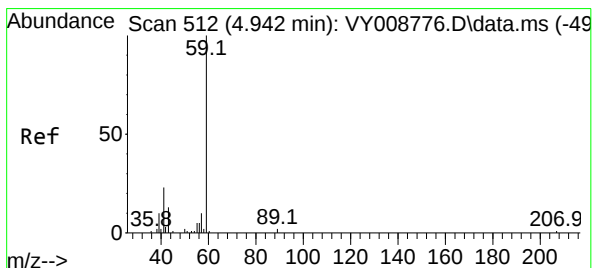
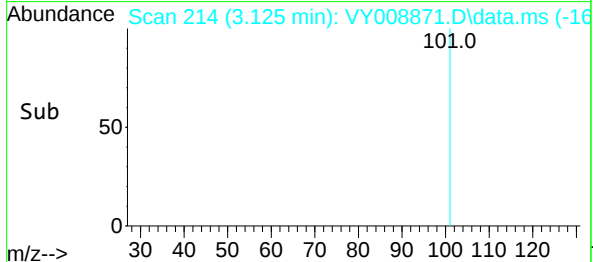
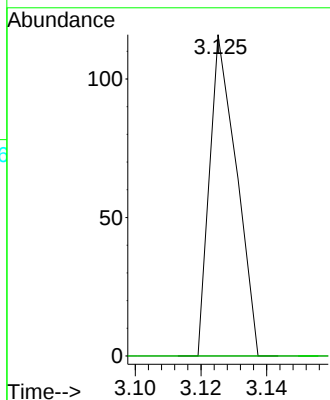
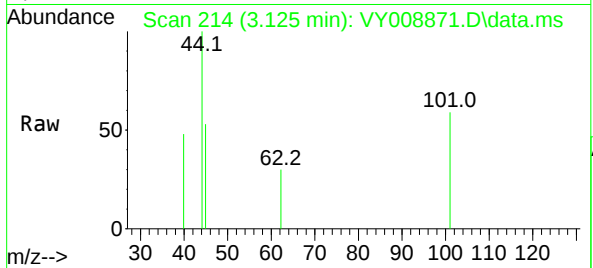




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.125 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY008871.D
Acq: 19 May 2022 16:34

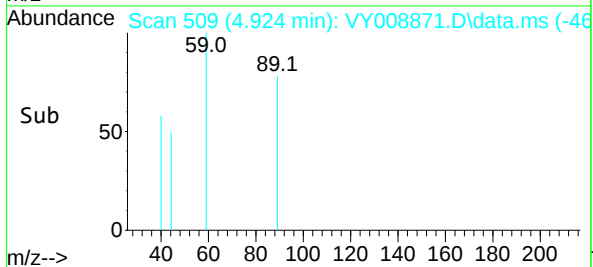
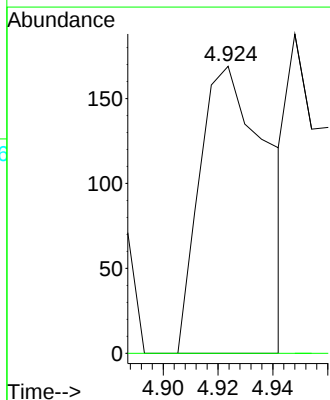
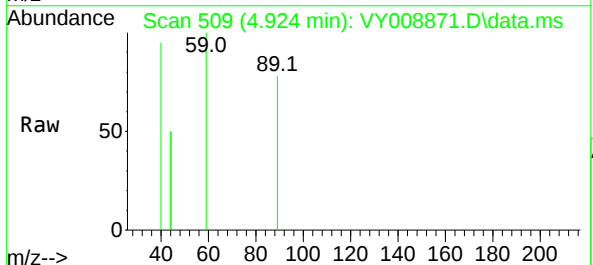
Instrument :
MSVOA_Y
ClientSampleId :
P002-SS003-0006-01

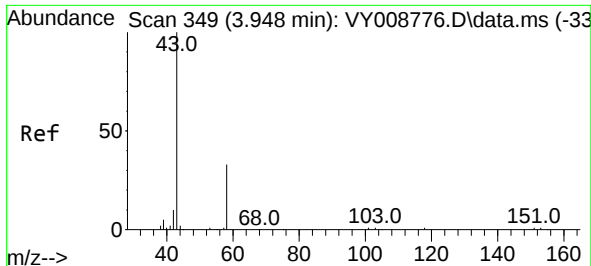
Tgt Ion:101 Resp: 66
Ion Ratio Lower Upper
101 100
103 0.0 48.0 72.0#



#11
Tert butyl alcohol
Concen: 2.171 ug/l
RT: 4.924 min Scan# 509
Delta R.T. -0.018 min
Lab File: VY008871.D
Acq: 19 May 2022 16:34

Tgt Ion: 59 Resp: 290
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

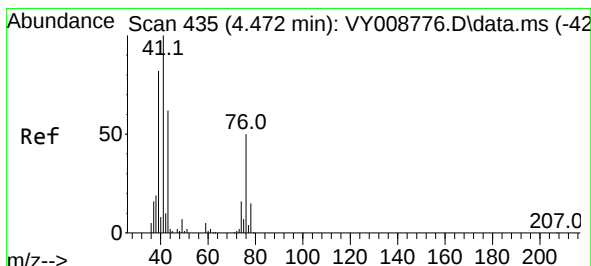
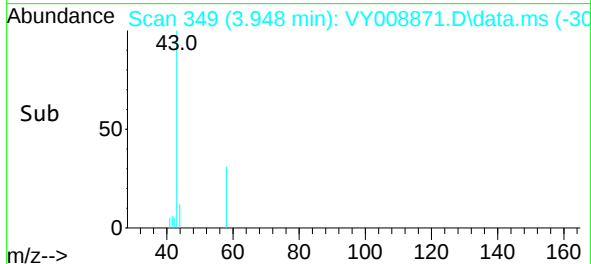
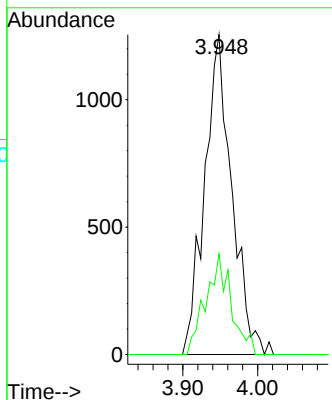
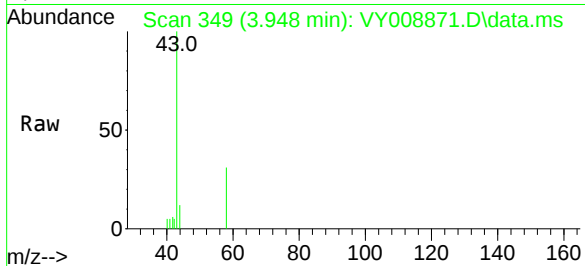




#16
Acetone
Concen: Below Cal
RT: 3.948 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY008871.D
Acq: 19 May 2022 16:34

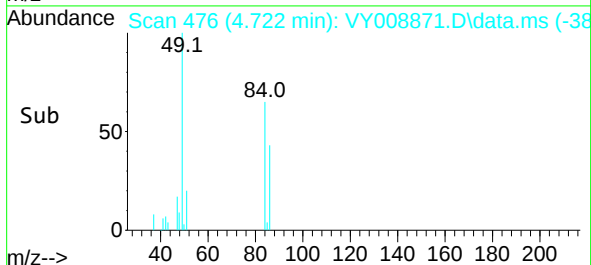
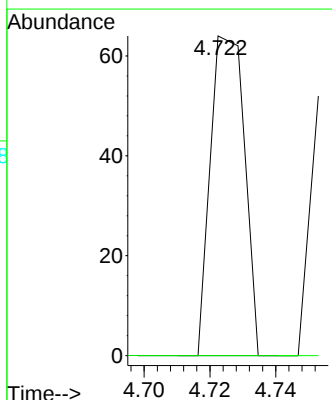
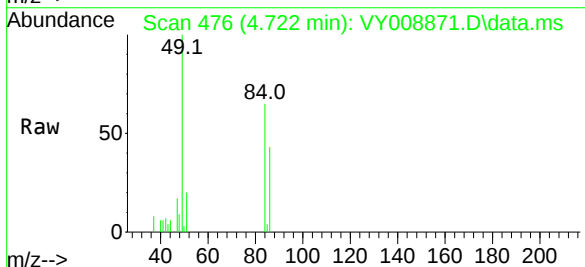
Instrument :
MSVOA_Y
ClientSampleId :
P002-SS003-0006-01

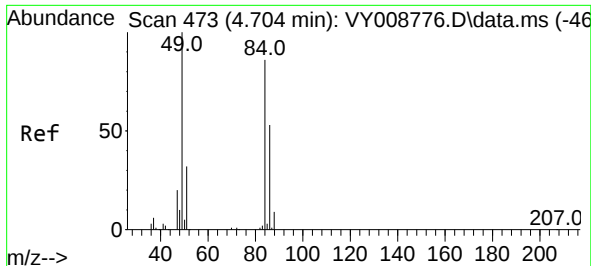
Tgt Ion: 43 Resp: 3177
Ion Ratio Lower Upper
43 100
58 31.5 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. 0.250 min
Lab File: VY008871.D
Acq: 19 May 2022 16:34

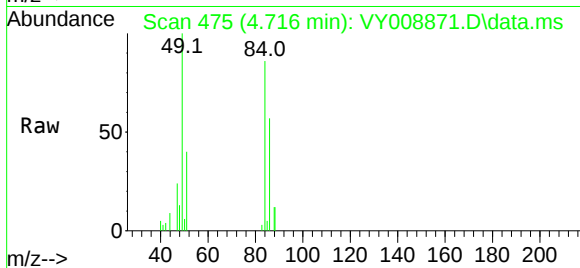
Tgt Ion: 43 Resp: 46
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





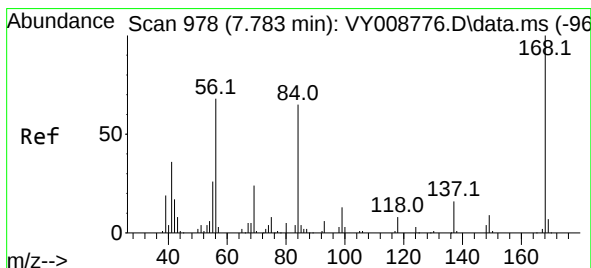
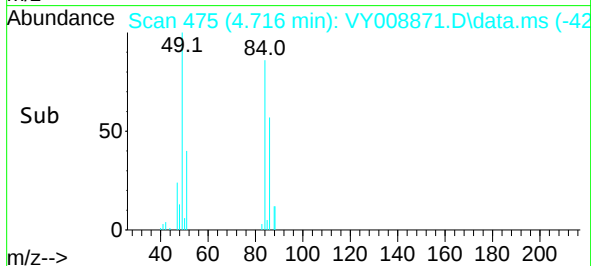
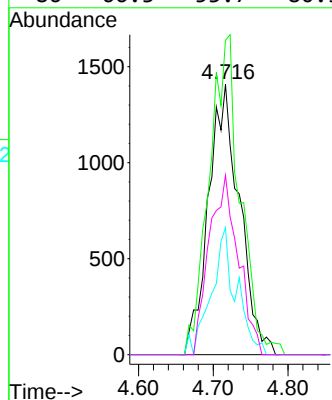
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Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY008871.D
Acq: 19 May 2022 16:34

Instrument :
MSVOA_Y
ClientSampleId :
P002-SS003-0006-01



Tgt Ion: 84 Resp: 4074

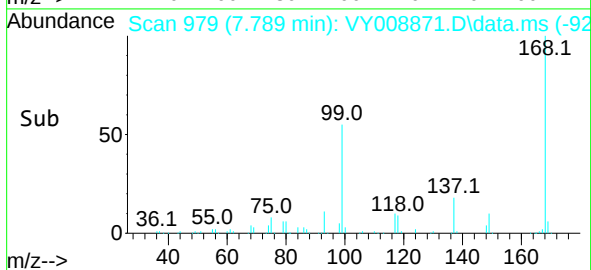
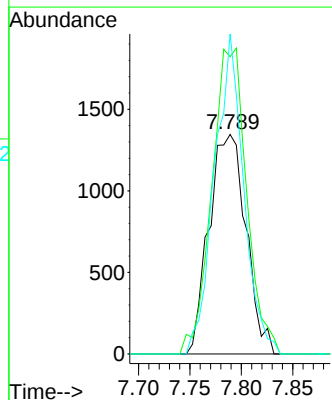
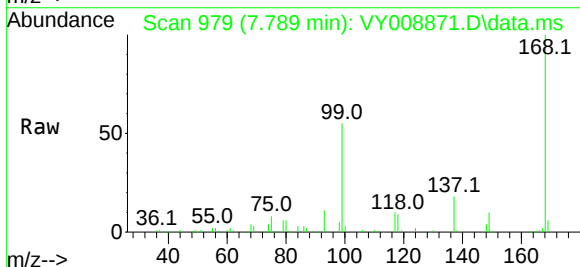
Ion	Ratio	Lower	Upper
84	100		
49	116.3	114.4	171.6
51	47.0	35.3	52.9
86	66.3	53.7	80.5

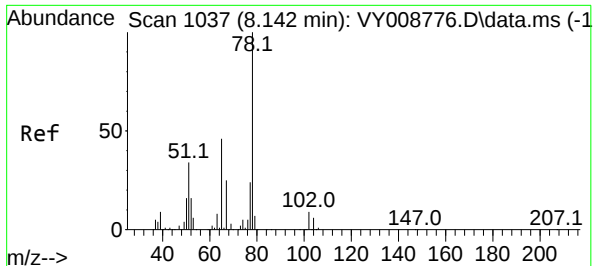


#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY008871.D
Acq: 19 May 2022 16:34

Tgt Ion: 56 Resp: 3366

Ion	Ratio	Lower	Upper
56	100		
69	135.4	26.7	40.1#
84	145.8	67.2	100.8#





#33

1,2-Dichloroethane-d4

Concen: 72.848 ug/l

RT: 8.143 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY008871.D

Acq: 19 May 2022 16:34

Instrument :

MSVOA_Y

ClientSampleId :

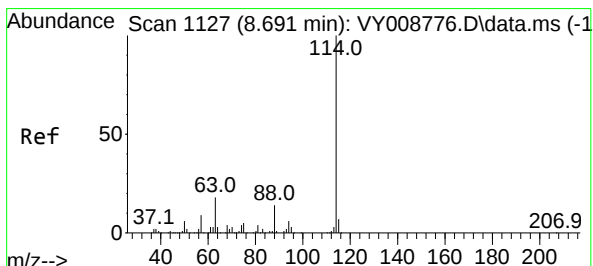
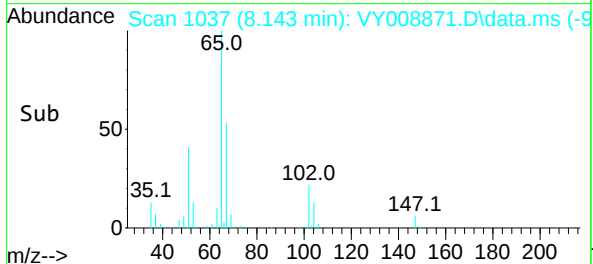
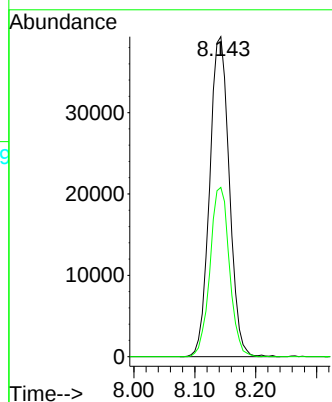
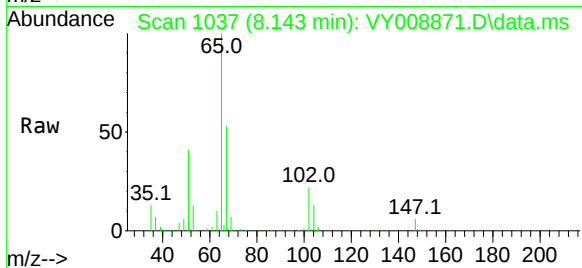
P002-SS003-0006-01

Tgt Ion: 65 Resp: 88049

Ion Ratio Lower Upper

65 100

67 52.3 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: VY008871.D

Acq: 19 May 2022 16:34

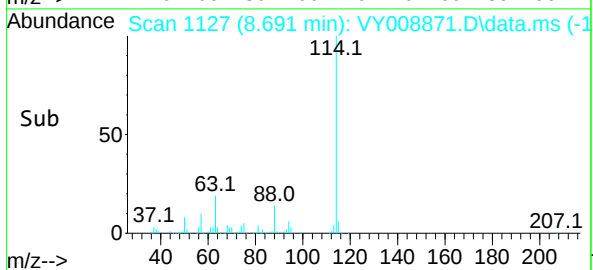
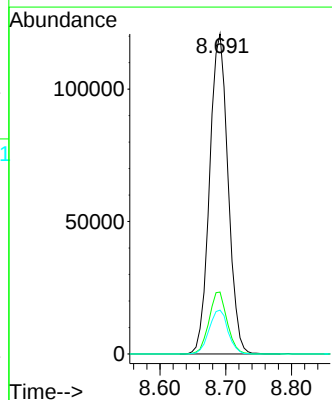
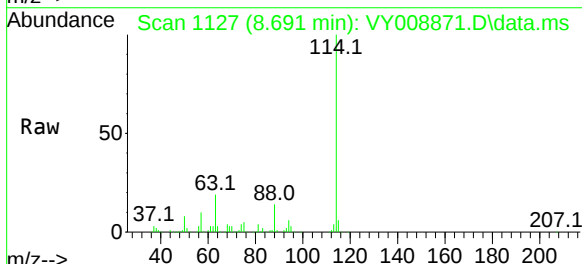
Tgt Ion: 114 Resp: 235349

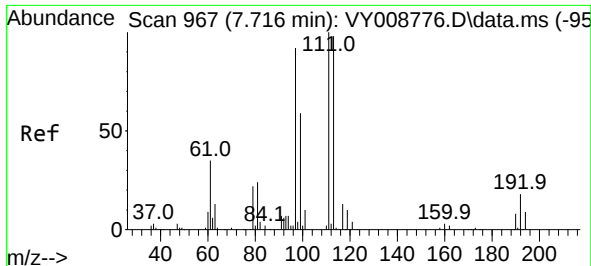
Ion Ratio Lower Upper

114 100

63 19.4 0.0 43.2

88 13.7 0.0 31.8

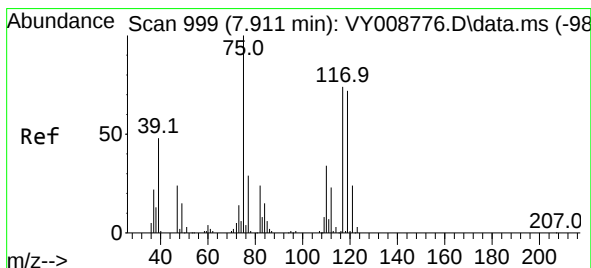
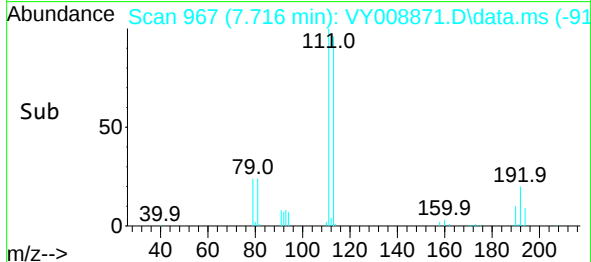
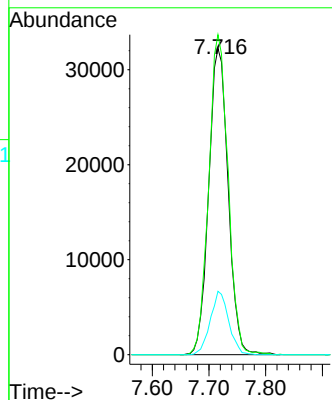
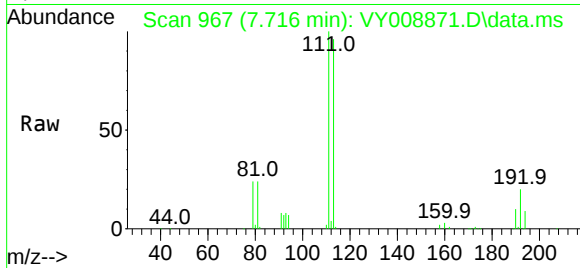




#35
Dibromofluoromethane
Concen: 55.740 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY008871.D
Acq: 19 May 2022 16:34

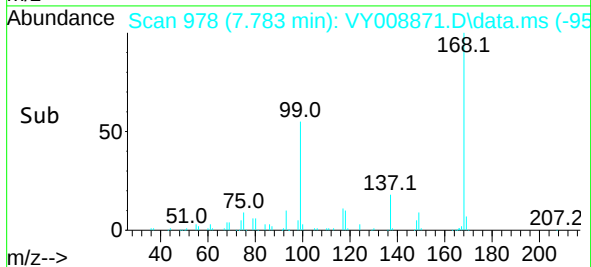
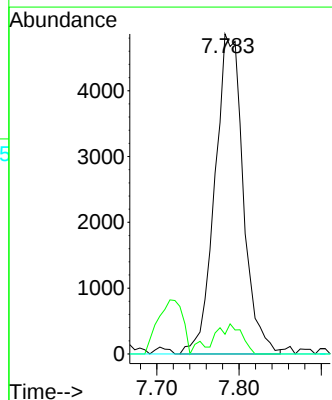
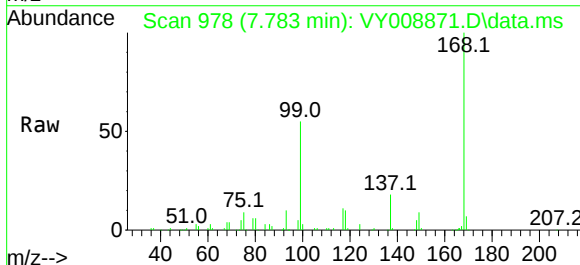
Instrument :
MSVOA_Y
ClientSampleId :
P002-SS003-0006-01

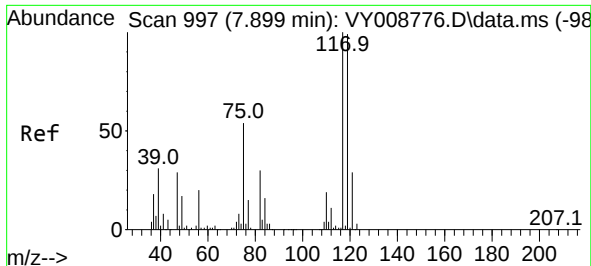
Tgt Ion:113 Resp: 76648
Ion Ratio Lower Upper
113 100
111 103.8 82.6 124.0
192 19.6 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.273 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY008871.D
Acq: 19 May 2022 16:34

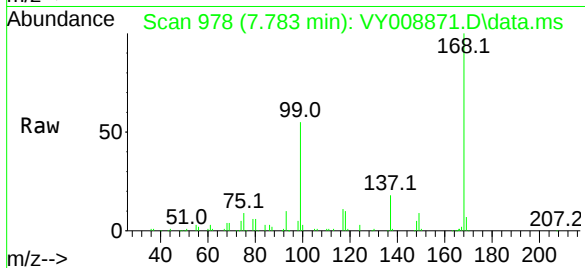
Tgt Ion: 75 Resp: 11613
Ion Ratio Lower Upper
75 100
110 7.9 17.1 51.2#
77 0.0 24.4 36.6#



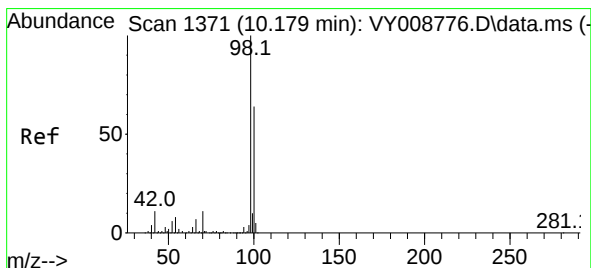
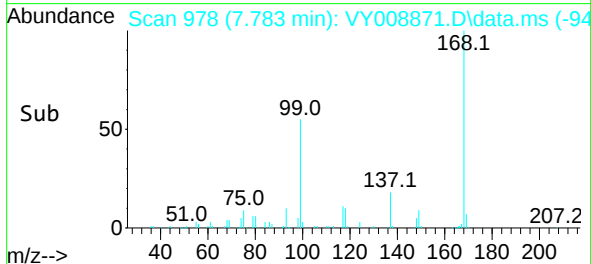
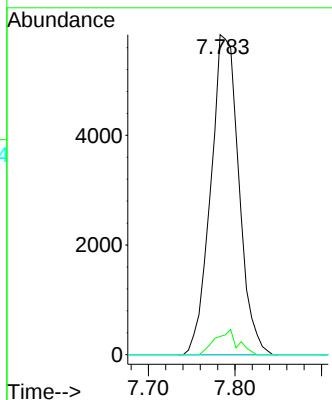


#38
Carbon Tetrachloride
Concen: 5.565 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY008871.D
Acq: 19 May 2022 16:34

Instrument :
MSVOA_Y
ClientSampleId :
P002-SS003-0006-01

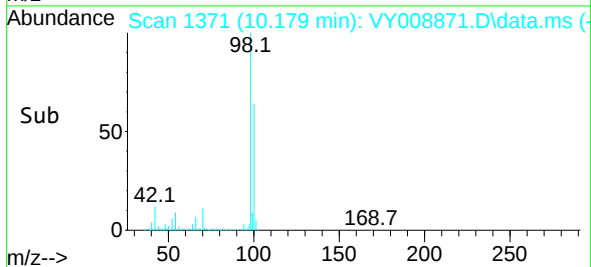
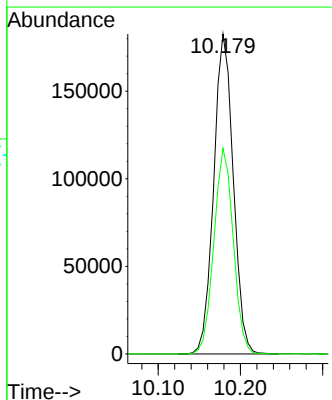
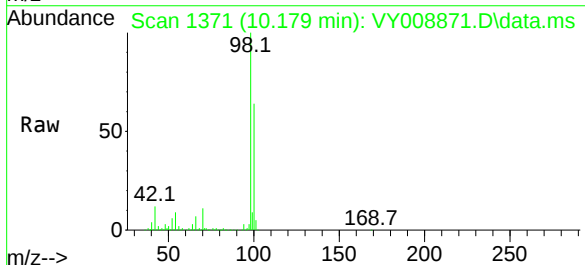


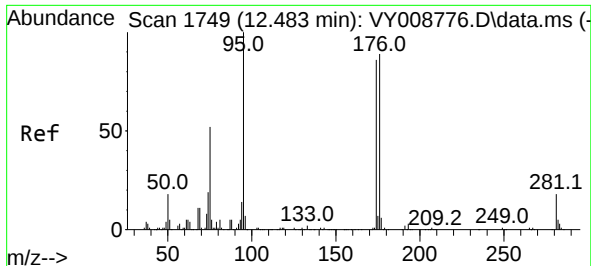
Tgt Ion:117 Resp: 13136
Ion Ratio Lower Upper
117 100
119 5.7 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 49.452 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008871.D
Acq: 19 May 2022 16:34

Tgt Ion: 98 Resp: 302034
Ion Ratio Lower Upper
98 100
100 63.7 50.2 75.2

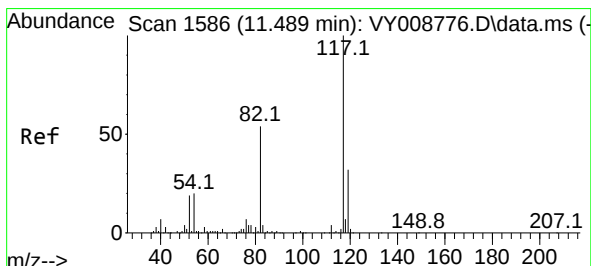
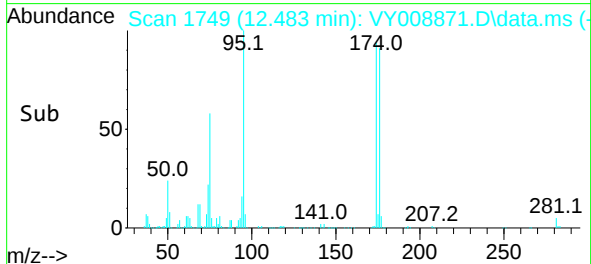
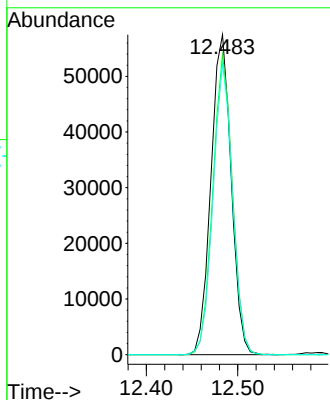
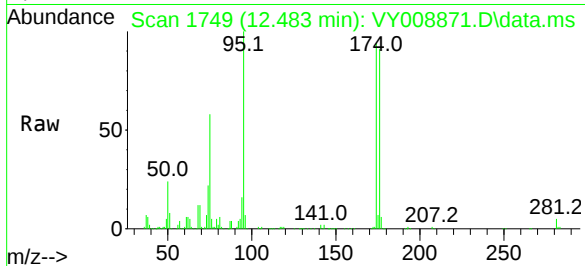




#62
4-Bromofluorobenzene
Concen: 41.100 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008871.D
Acq: 19 May 2022 16:34

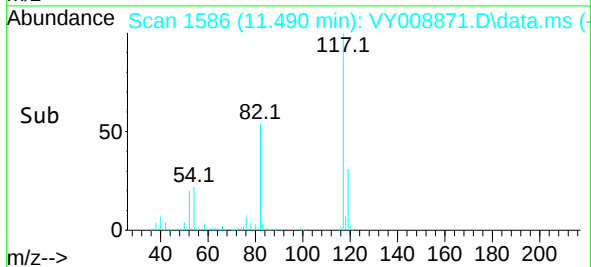
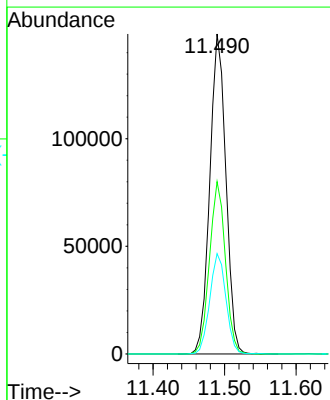
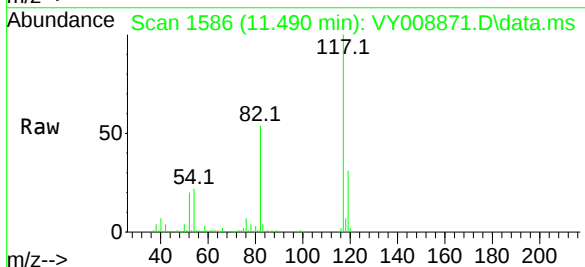
Instrument :
MSVOA_Y
ClientSampleId :
P002-SS003-0006-01

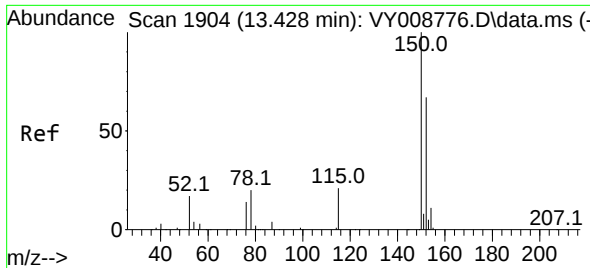
Tgt Ion: 95 Resp: 88195
Ion Ratio Lower Upper
95 100
174 91.6 0.0 177.0
176 88.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY008871.D
Acq: 19 May 2022 16:34

Tgt Ion: 117 Resp: 232375
Ion Ratio Lower Upper
117 100
82 53.9 43.0 64.4
119 31.4 25.4 38.0

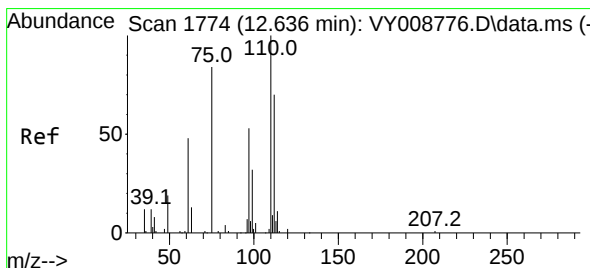
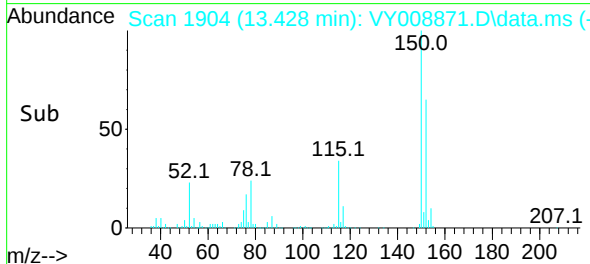
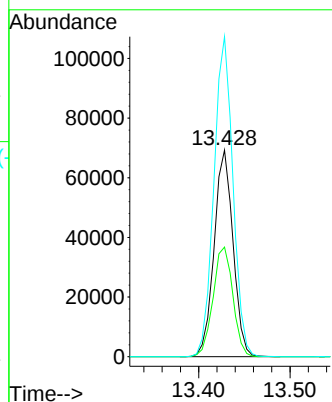
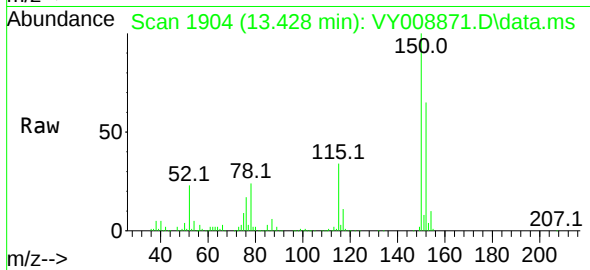




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY008871.D
 Acq: 19 May 2022 16:34

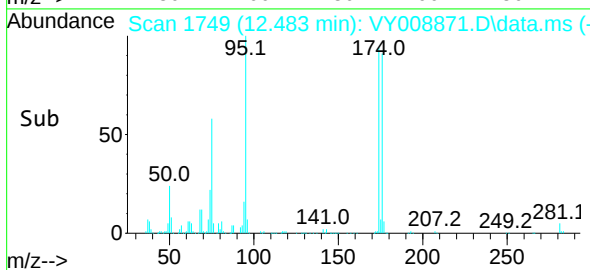
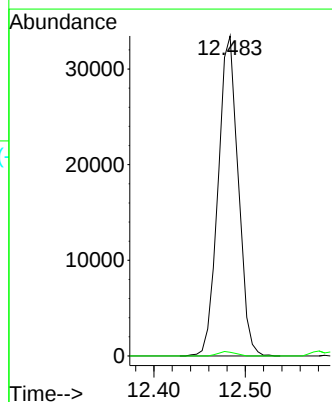
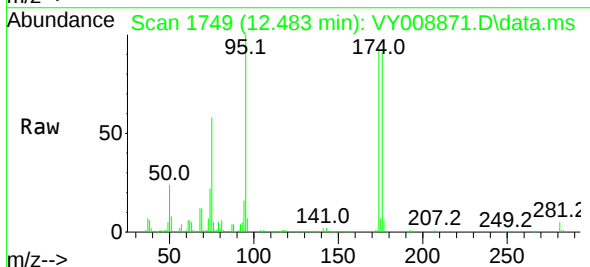
Instrument :
 MSVOA_Y
 ClientSampleId :
 P002-SS003-0006-01

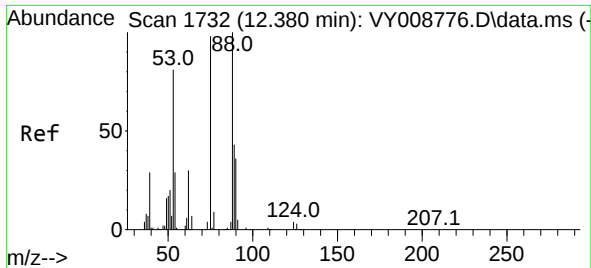
Tgt Ion:152 Resp: 99560
 Ion Ratio Lower Upper
 152 100
 115 55.6 28.2 84.7
 150 155.8 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 44.475 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY008871.D
 Acq: 19 May 2022 16:34

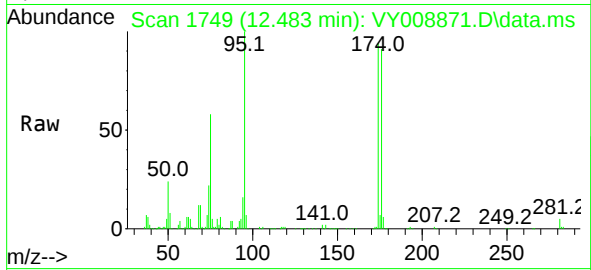
Tgt Ion: 75 Resp: 51149
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.280 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY008871.D
 Acq: 19 May 2022 16:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 P002-SS003-0006-01



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.1	85.3	127.9#
89	0.2	37.0	55.4#

