

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051922\
 Data File : VY008873.D
 Acq On : 19 May 2022 17:21
 Operator : KP/MD
 Sample : N2841-11
 Misc : 5.42g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P006-SS002-0006-01

Quant Time: May 20 02:53:05 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)

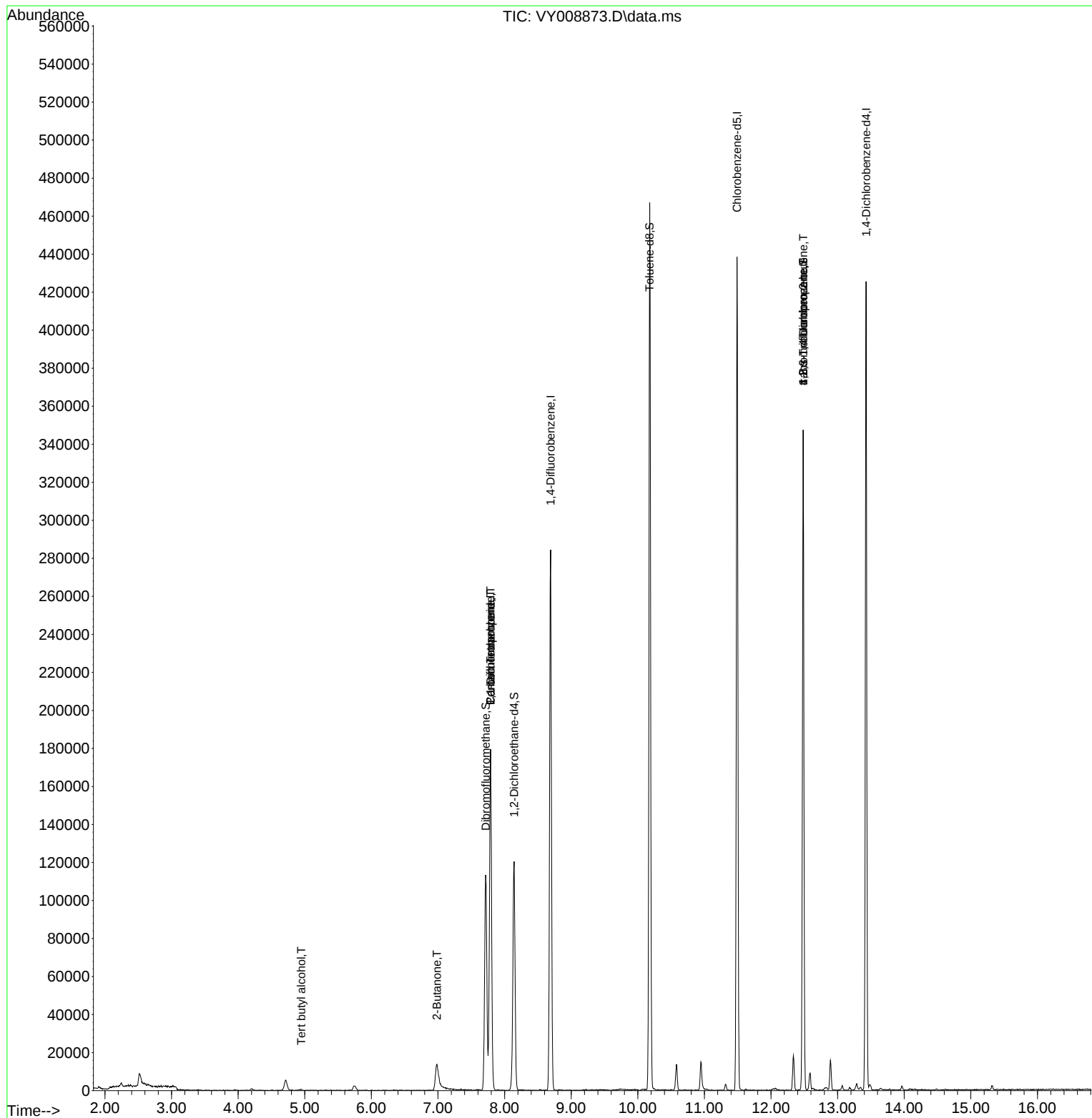
Internal Standards						
1) Pentafluorobenzene	7.789	168	132881	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	238744	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	229353	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	98482	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	86820	70.428	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 140.860%	
35) Dibromofluoromethane	7.715	113	76966	55.176	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.360%	
50) Toluene-d8	10.178	98	297635	48.129	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.260%	
62) 4-Bromofluorobenzene	12.483	95	89392	41.069	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 82.140%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.912	85	824	Below Cal		93
3) Chloromethane	2.113	50	90	Below Cal	#	55
4) Vinyl Chloride	2.247	62	138	Below Cal	#	43
5) Bromomethane	2.643	94	65	Below Cal	#	4
6) Chloroethane	2.777	64	63	Below Cal	#	43
7) Trichlorofluoromethane	3.106	101	24	Below Cal	#	21
11) Tert butyl alcohol	4.948	59	680	4.991 ug/l	#	77
16) Acetone	3.948	43	451	Below Cal		90
18) Methyl Acetate	4.649	43	40	Below Cal	#	56
20) Methylene Chloride	4.716	84	3928	Below Cal	#	75
25) 2-Butanone	6.984	43	1064	2.057 ug/l	#	54
31) Cyclohexane	7.782	56	3236	Below Cal	#	42
36) 1,1-Dichloropropene	7.789	75	11437	5.119 ug/l	#	51
38) Carbon Tetrachloride	7.789	117	13194	5.510 ug/l	#	14
76) 1,2,3-Trichloropropane	12.483	75	51344	45.133 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	51344	98.719 ug/l	#	7

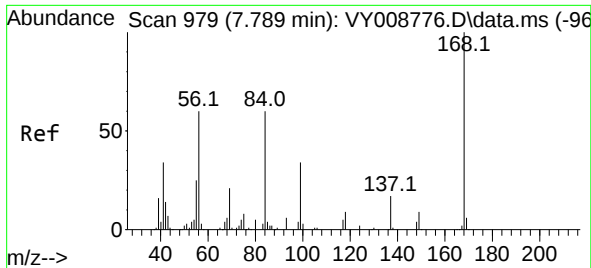
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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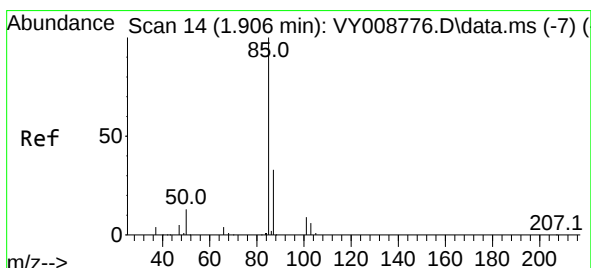
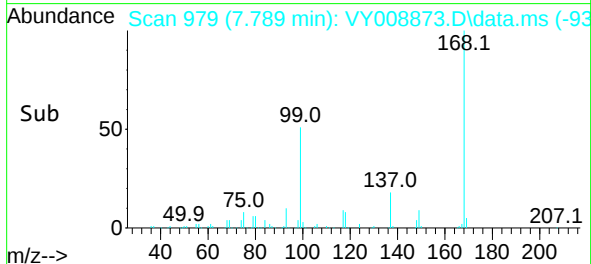
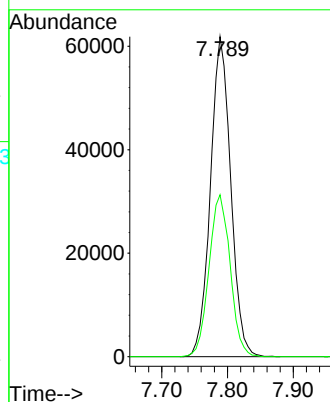
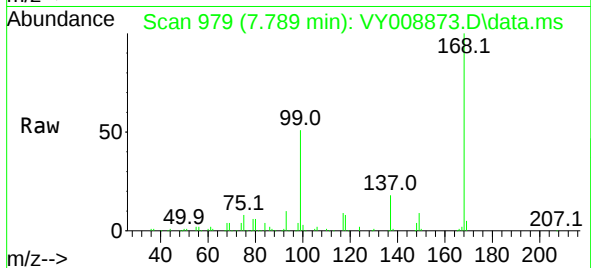




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008873.D
Acq: 19 May 2022 17:21

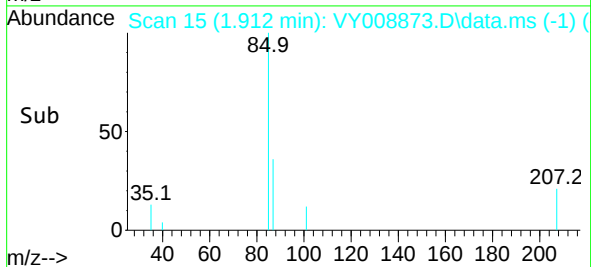
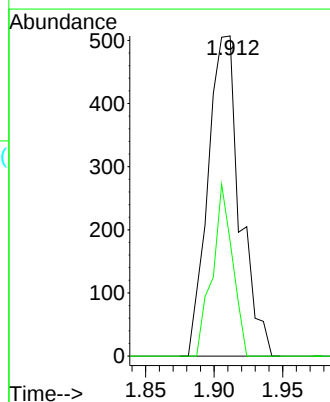
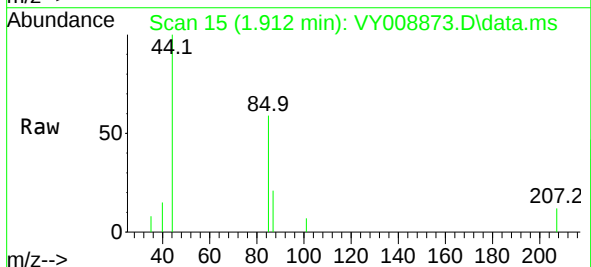
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-0006-01

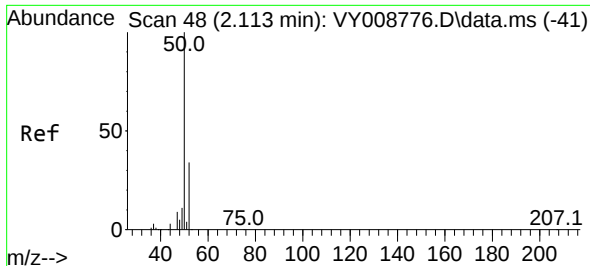
Tgt Ion:168 Resp: 132881
Ion Ratio Lower Upper
168 100
99 50.6 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY008873.D
Acq: 19 May 2022 17:21

Tgt Ion: 85 Resp: 824
Ion Ratio Lower Upper
85 100
87 35.9 16.1 48.2

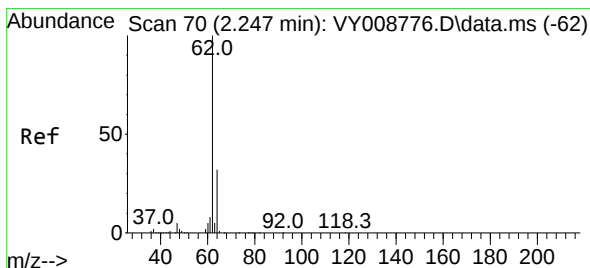
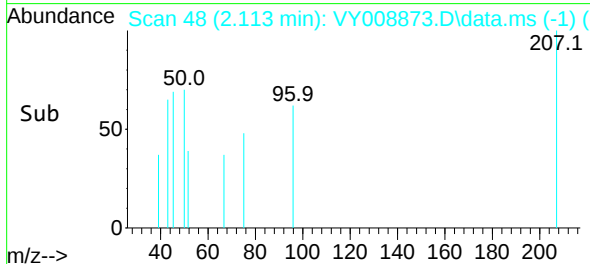
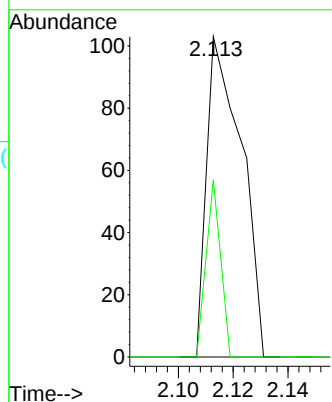
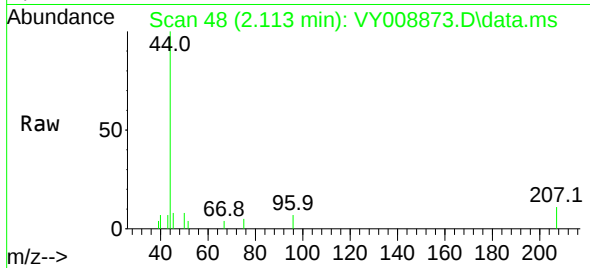




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY008873.D
Acq: 19 May 2022 17:21

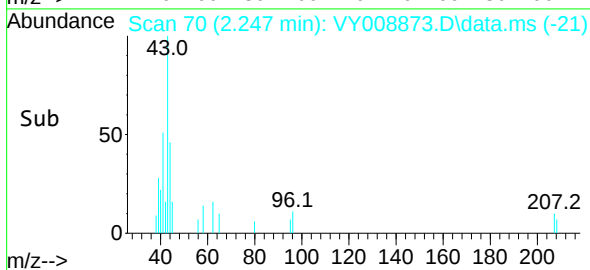
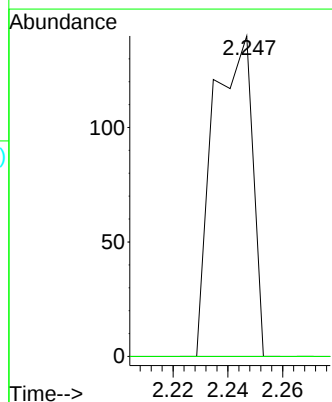
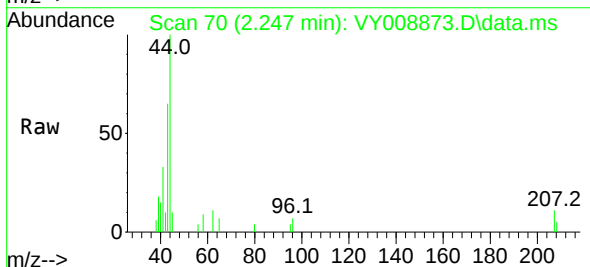
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-0006-01

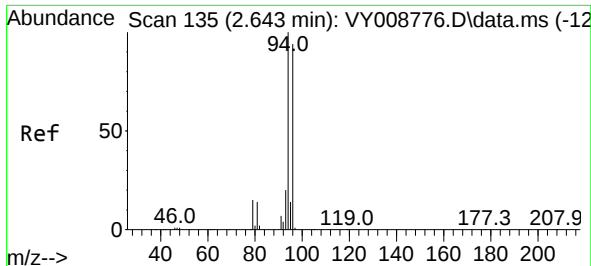
Tgt Ion: 50 Resp: 90
Ion Ratio Lower Upper
50 100
52 55.3 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.247 min Scan# 70
Delta R.T. -0.000 min
Lab File: VY008873.D
Acq: 19 May 2022 17:21

Tgt Ion: 62 Resp: 138
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

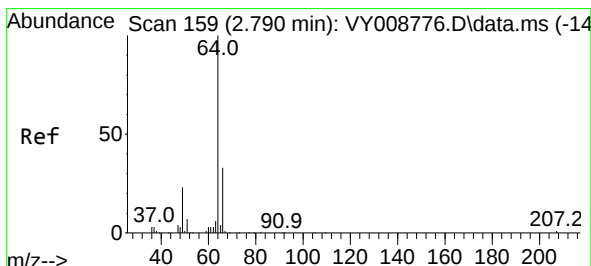
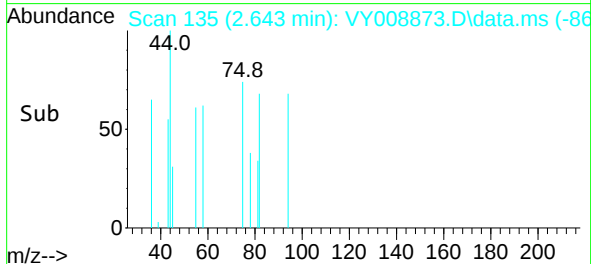
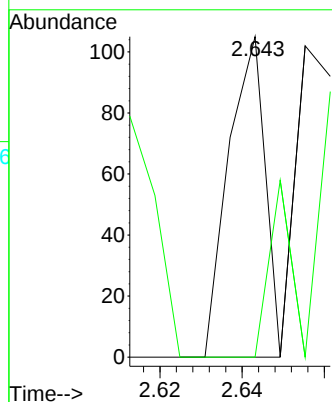
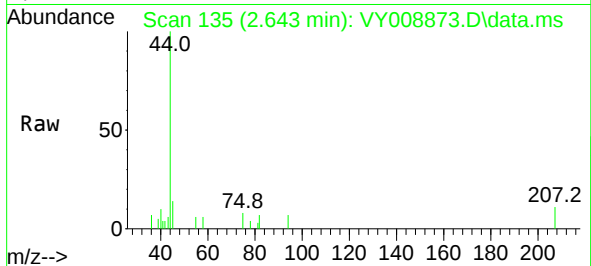




#5
Bromomethane
Concen: Below Cal
RT: 2.643 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY008873.D
Acq: 19 May 2022 17:21

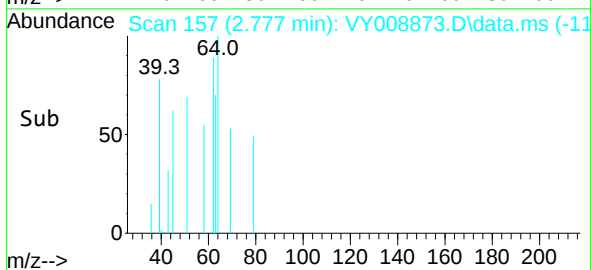
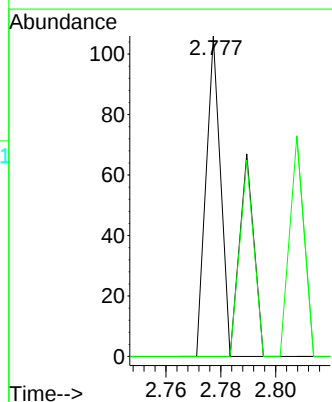
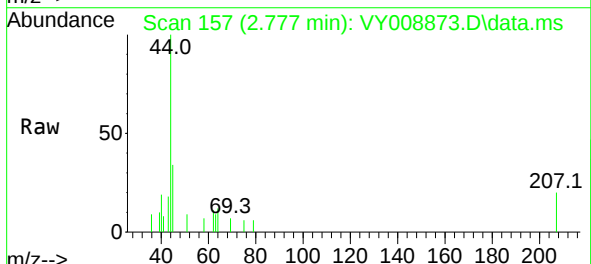
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-0006-01

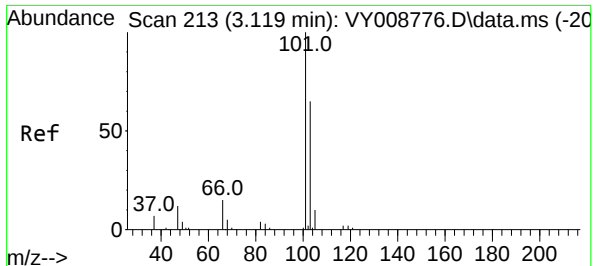
Tgt Ion: 94 Resp: 65
Ion Ratio Lower Upper
94 100
96 0.0 73.5 110.3#



#6
Chloroethane
Concen: Below Cal
RT: 2.777 min Scan# 157
Delta R.T. -0.013 min
Lab File: VY008873.D
Acq: 19 May 2022 17:21

Tgt Ion: 64 Resp: 63
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

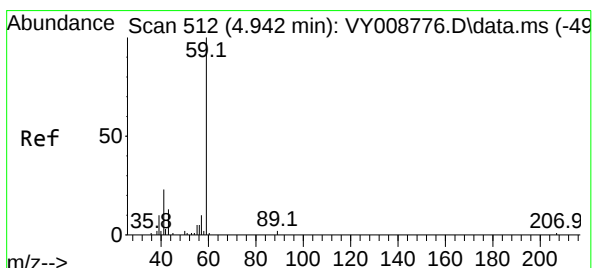
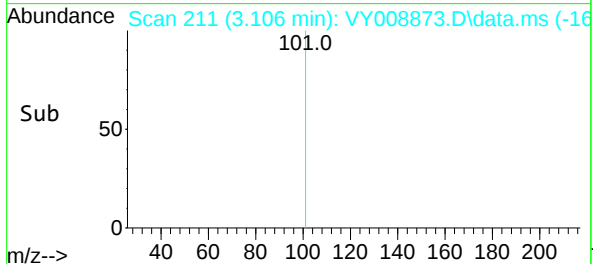
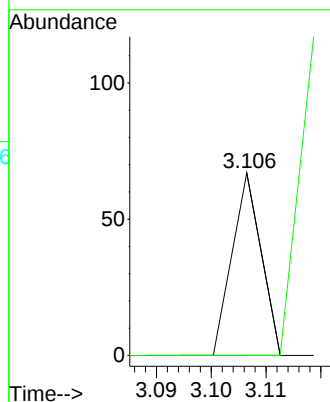
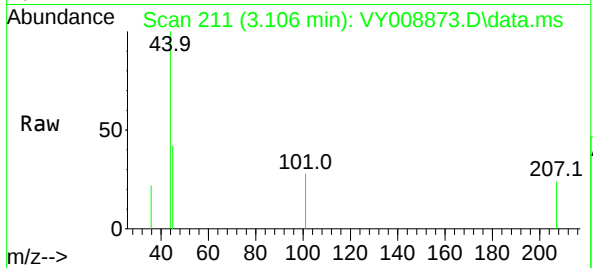




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.106 min Scan# 213
Delta R.T. -0.013 min
Lab File: VY008873.D
Acq: 19 May 2022 17:21

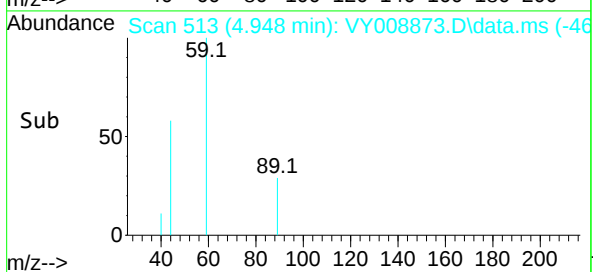
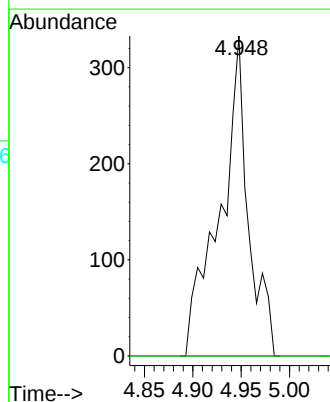
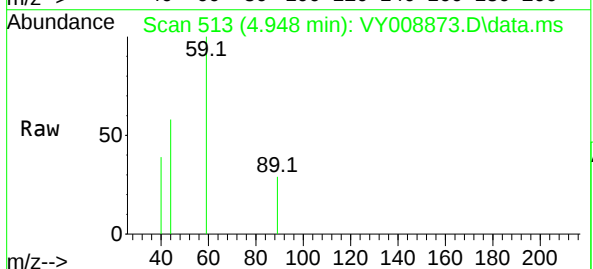
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-0006-01

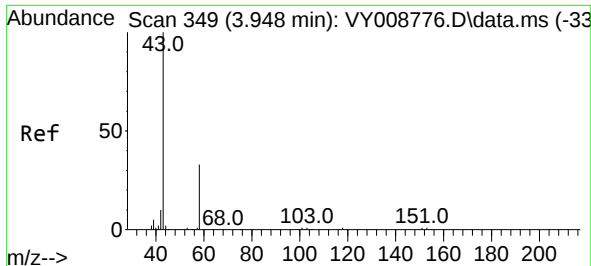
Tgt Ion:101 Resp: 24
Ion Ratio Lower Upper
101 100
103 0.0 48.0 72.0#



#11
Tert butyl alcohol
Concen: 4.991 ug/l
RT: 4.948 min Scan# 513
Delta R.T. 0.006 min
Lab File: VY008873.D
Acq: 19 May 2022 17:21

Tgt Ion: 59 Resp: 680
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

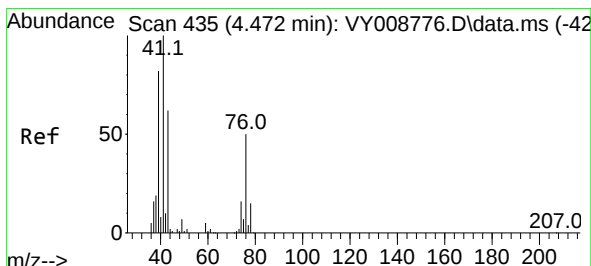
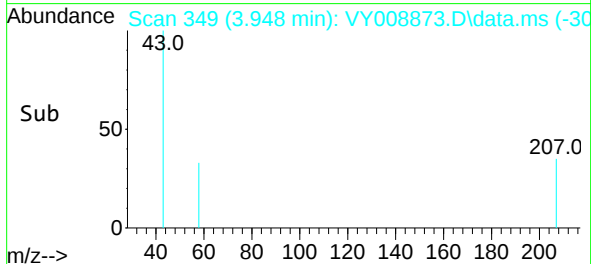
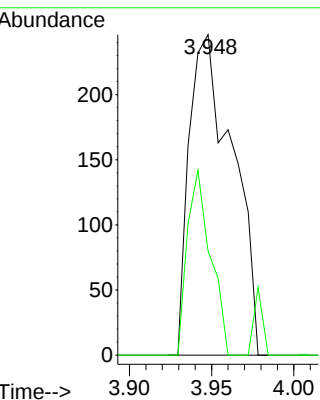
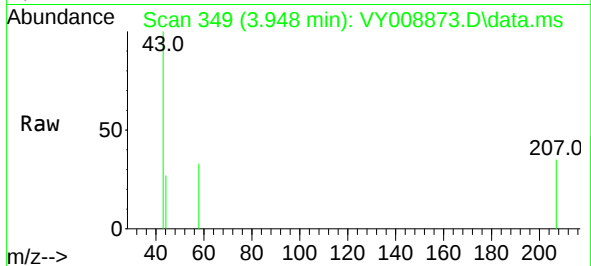




#16
Acetone
Concen: Below Cal
RT: 3.948 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY008873.D
Acq: 19 May 2022 17:21

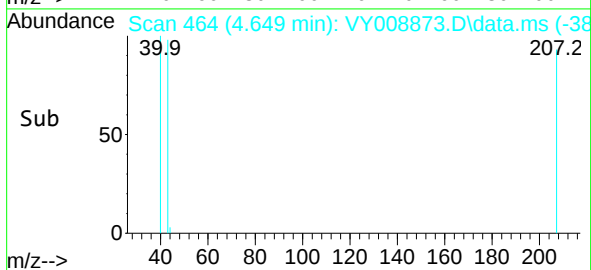
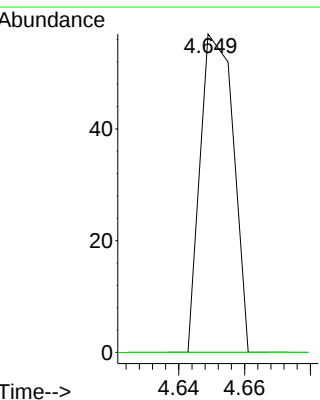
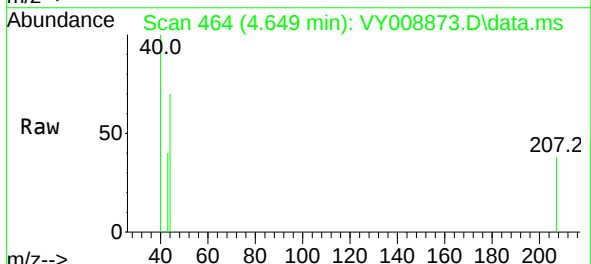
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-0006-01

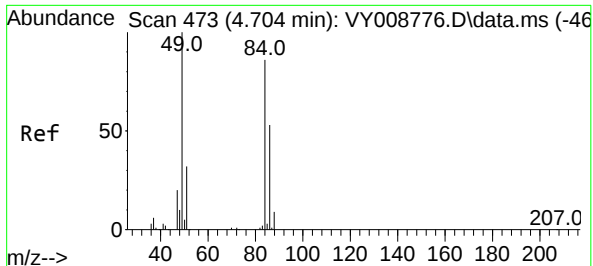
Tgt Ion: 43 Resp: 451
Ion Ratio Lower Upper
43 100
58 32.5 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.649 min Scan# 464
Delta R.T. 0.177 min
Lab File: VY008873.D
Acq: 19 May 2022 17:21

Tgt Ion: 43 Resp: 40
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: VY008873.D

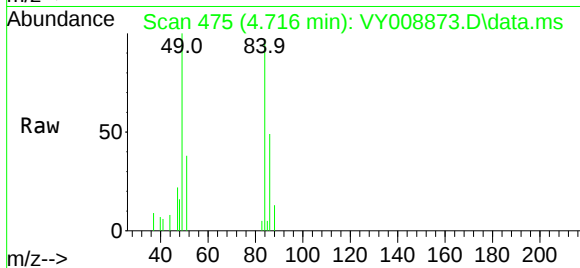
Acq: 19 May 2022 17:21

Instrument :

MSVOA_Y

ClientSampleId :

P006-SS002-0006-01



Tgt Ion: 84 Resp: 3928

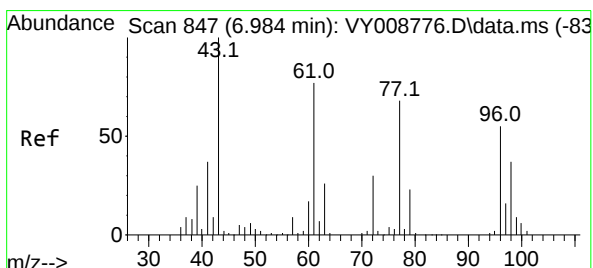
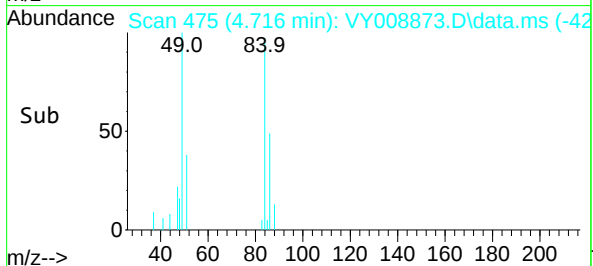
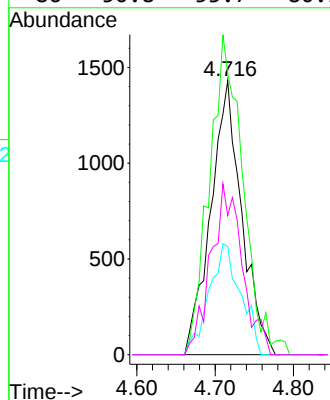
Ion Ratio Lower Upper

84 100

49 102.7 114.4 171.6#

51 39.5 35.3 52.9

86 50.8 53.7 80.5#



#25

2-Butanone

Concen: 2.057 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY008873.D

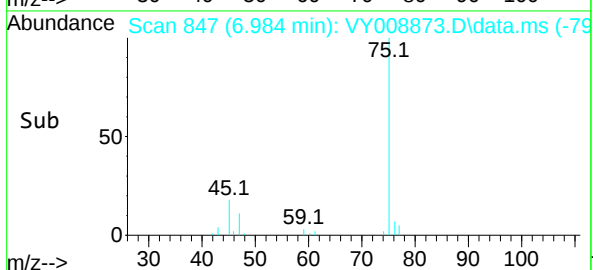
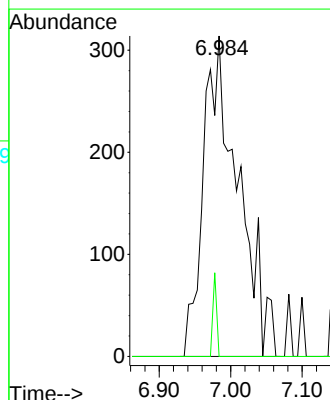
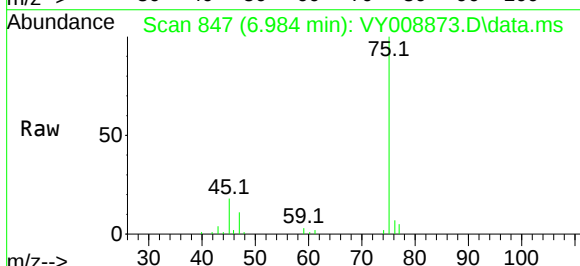
Acq: 19 May 2022 17:21

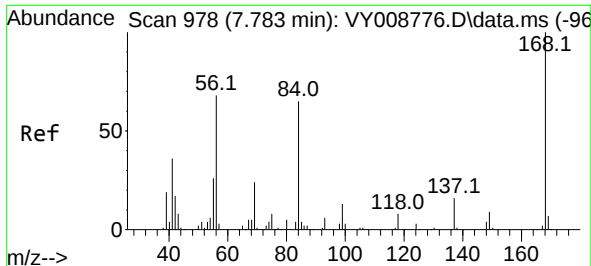
Tgt Ion: 43 Resp: 1064

Ion Ratio Lower Upper

43 100

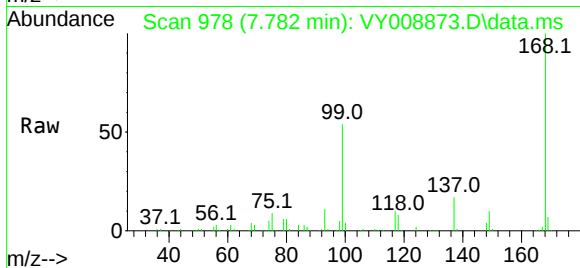
72 0.0 17.7 26.5#



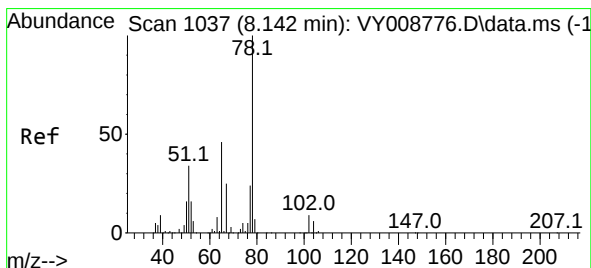
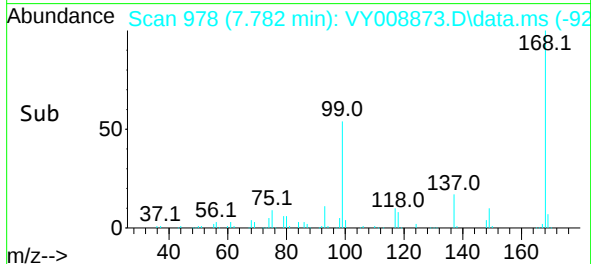
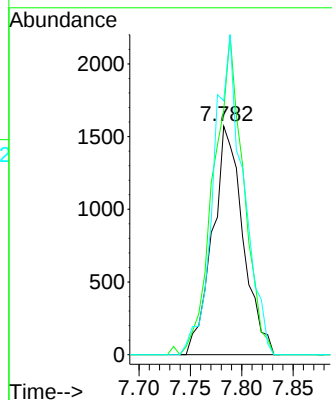


#31
Cyclohexane
Concen: Below Cal
RT: 7.782 min Scan# 91
Delta R.T. -0.001 min
Lab File: VY008873.D
Acq: 19 May 2022 17:21

Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-0006-01

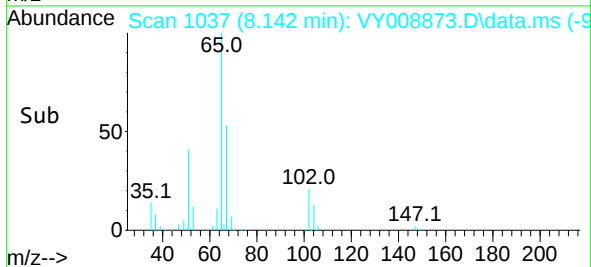
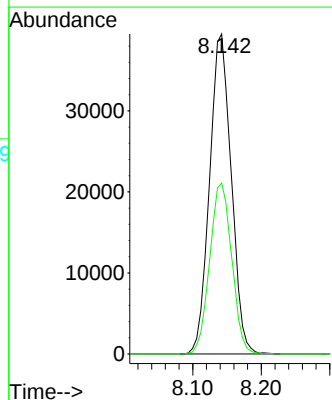
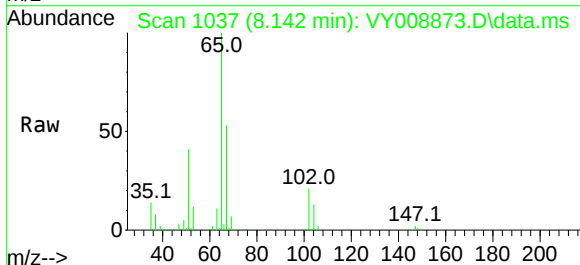


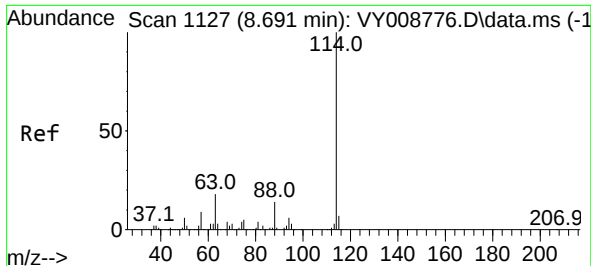
Tgt Ion: 56 Resp: 3236
Ion Ratio Lower Upper
56 100
69 106.8 26.7 40.1#
84 111.1 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 70.428 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY008873.D
Acq: 19 May 2022 17:21

Tgt Ion: 65 Resp: 86820
Ion Ratio Lower Upper
65 100
67 54.3 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: VY008873.D

Acq: 19 May 2022 17:21

Instrument :

MSVOA_Y

ClientSampleId :

P006-SS002-0006-01

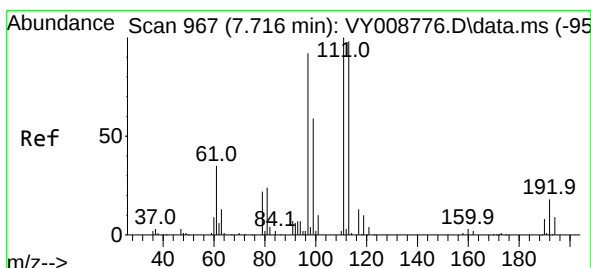
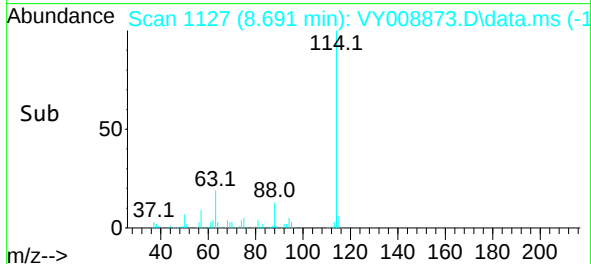
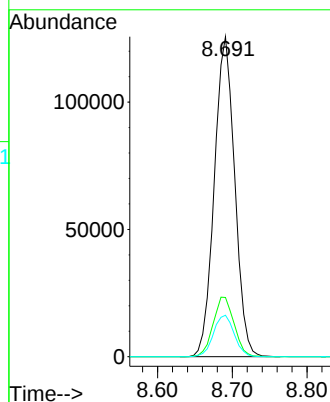
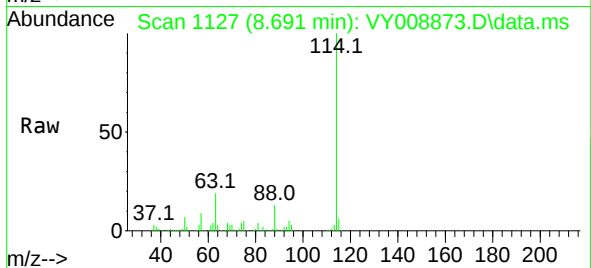
Tgt Ion:114 Resp: 238744

Ion Ratio Lower Upper

114 100

63 18.5 0.0 43.2

88 13.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 55.176 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY008873.D

Acq: 19 May 2022 17:21

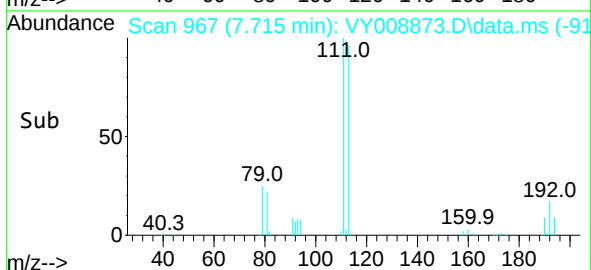
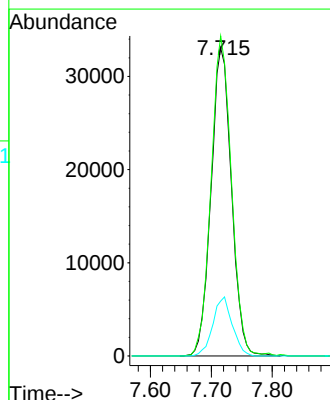
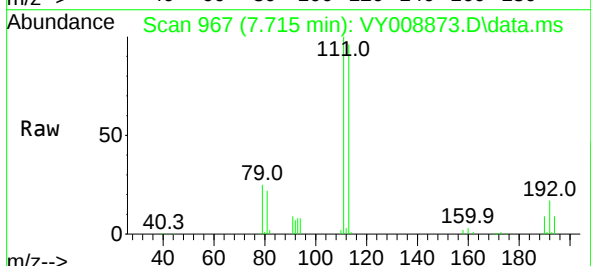
Tgt Ion:113 Resp: 76966

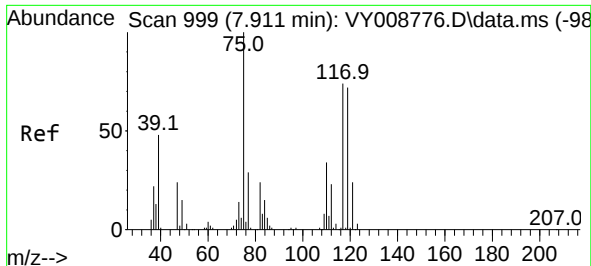
Ion Ratio Lower Upper

113 100

111 103.2 82.6 124.0

192 18.2 17.6 26.4

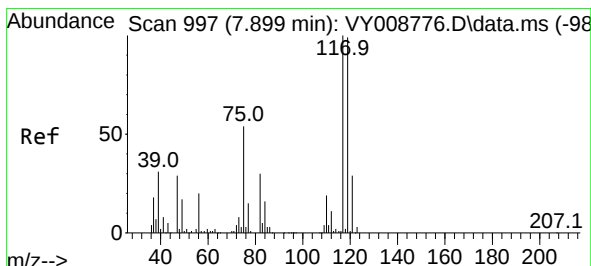
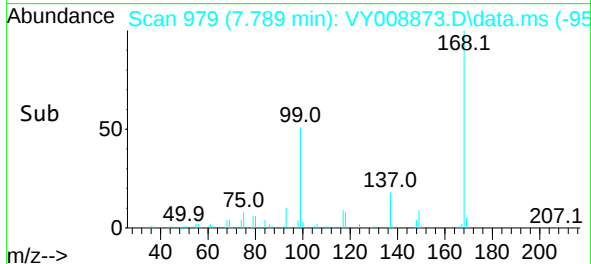
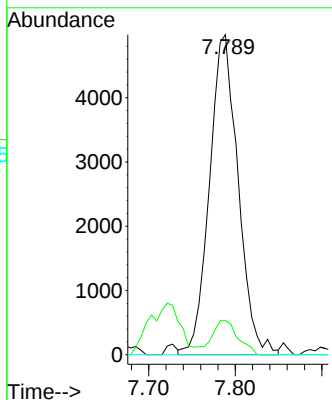
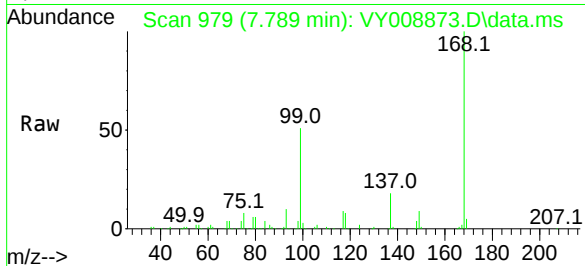




#36
1,1-Dichloropropene
Concen: 5.119 ug/l
RT: 7.789 min Scan# 911
Delta R.T. -0.122 min
Lab File: VY008873.D
Acq: 19 May 2022 17:21

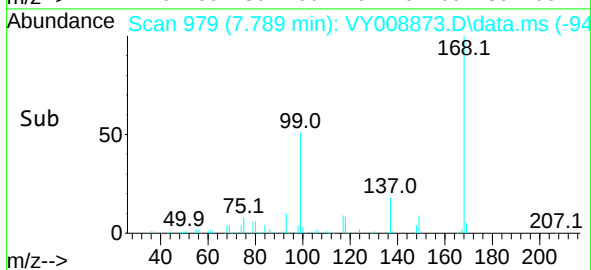
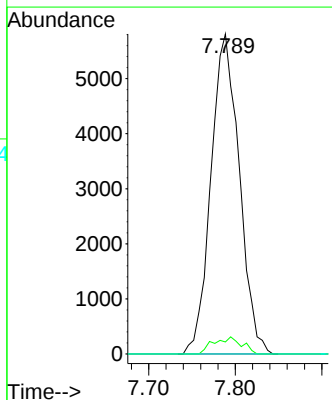
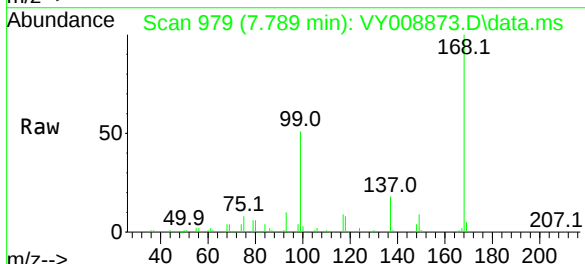
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-0006-01

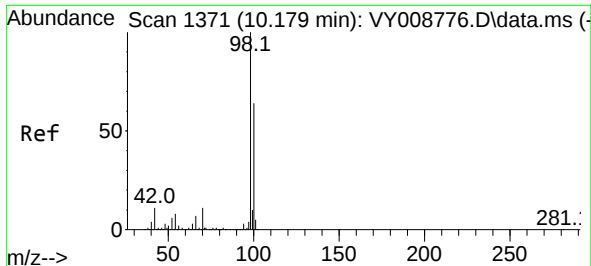
Tgt Ion: 75 Resp: 11437
Ion Ratio Lower Upper
75 100
110 9.7 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.510 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY008873.D
Acq: 19 May 2022 17:21

Tgt Ion: 117 Resp: 13194
Ion Ratio Lower Upper
117 100
119 3.8 77.9 116.9#
121 0.0 24.8 37.2#

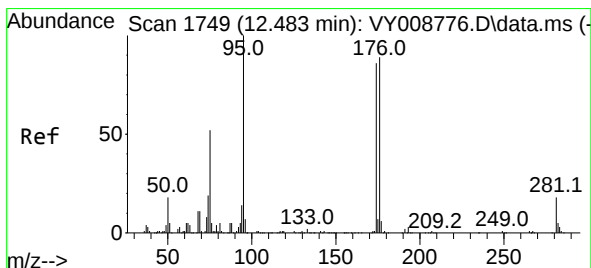
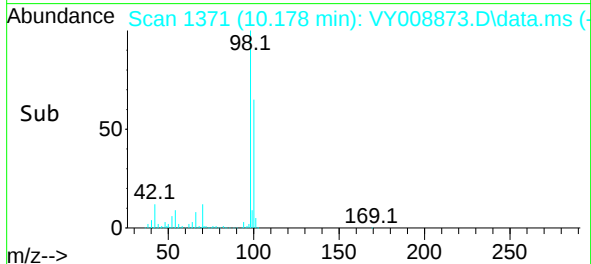
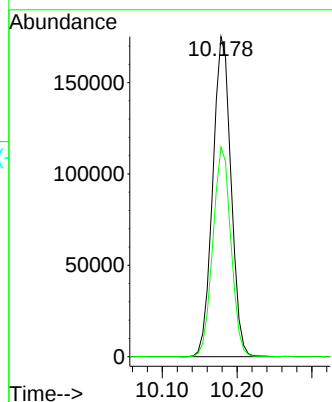
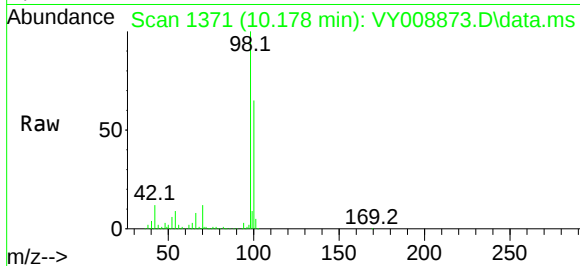




#50
Toluene-d8
Concen: 48.129 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY008873.D
Acq: 19 May 2022 17:21

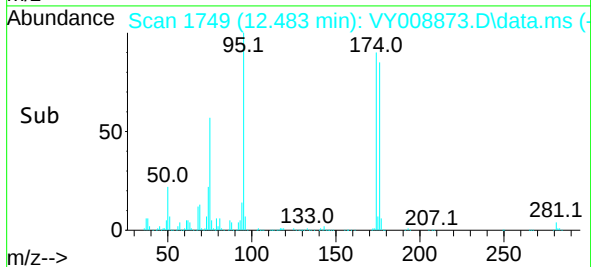
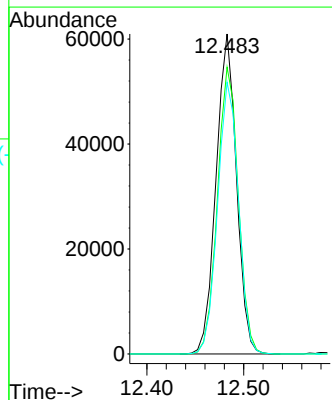
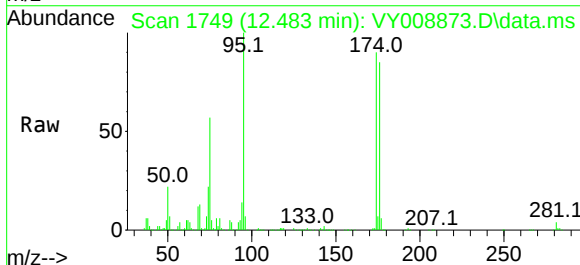
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-0006-01

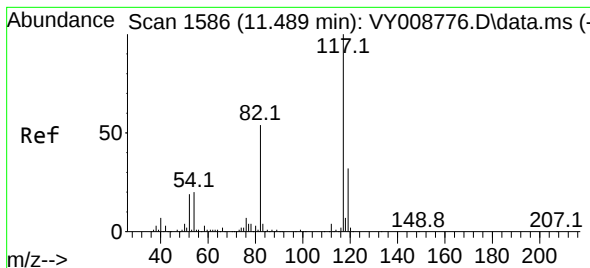
Tgt Ion: 98 Resp: 297635
Ion Ratio Lower Upper
98 100
100 64.8 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 41.069 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY008873.D
Acq: 19 May 2022 17:21

Tgt Ion: 95 Resp: 89392
Ion Ratio Lower Upper
95 100
174 91.5 0.0 177.0
176 86.8 0.0 175.8

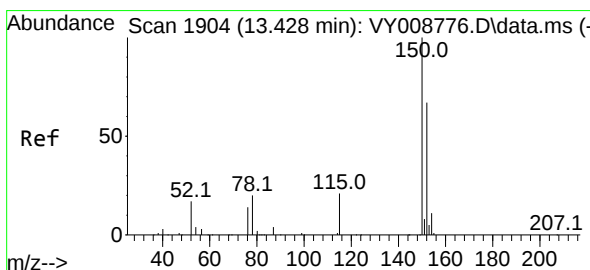
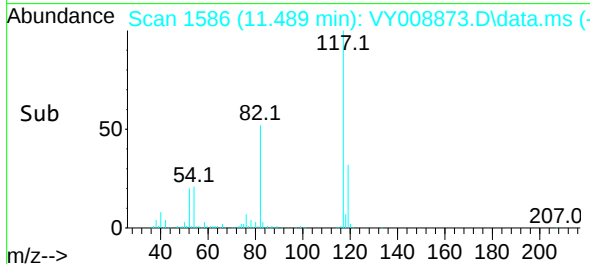
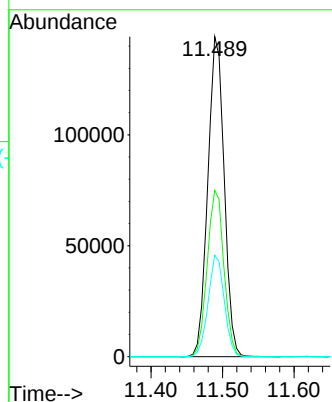
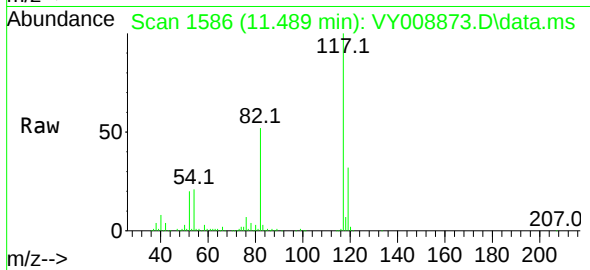




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY008873.D
Acq: 19 May 2022 17:21

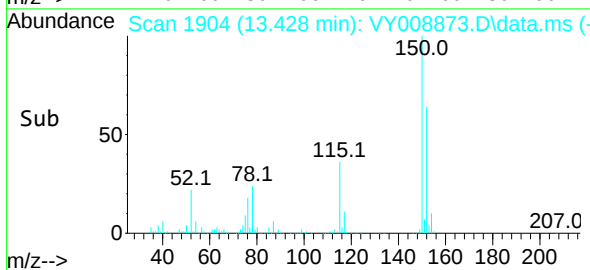
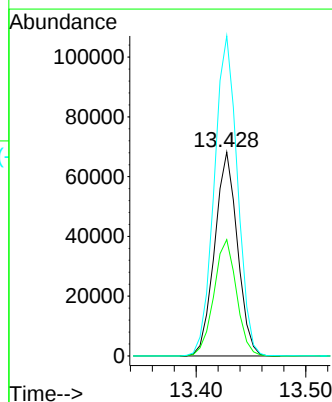
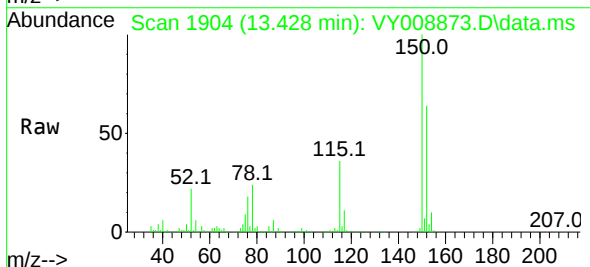
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-0006-01

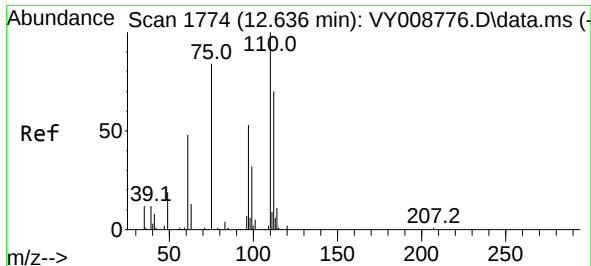
Tgt Ion:117 Resp: 229353
Ion Ratio Lower Upper
117 100
82 52.0 43.0 64.4
119 31.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY008873.D
Acq: 19 May 2022 17:21

Tgt Ion:152 Resp: 98482
Ion Ratio Lower Upper
152 100
115 56.8 28.2 84.7
150 160.0 0.0 347.6

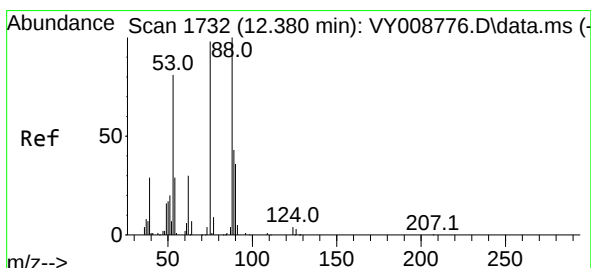
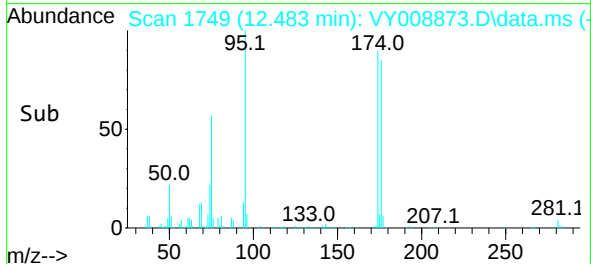
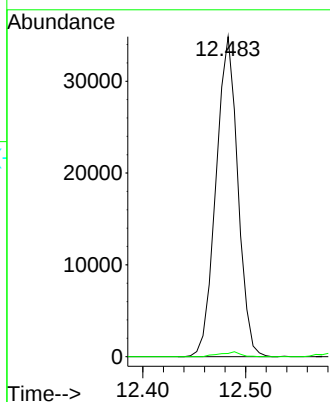
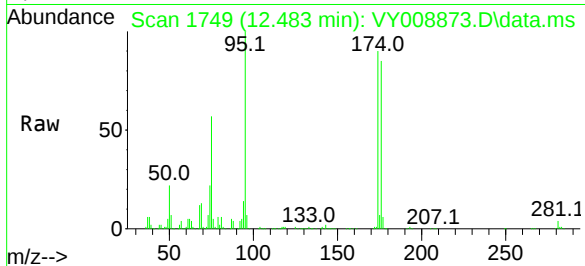




#76
1,2,3-Trichloropropane
Concen: 45.133 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY008873.D
Acq: 19 May 2022 17:21

Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-0006-01

Tgt Ion: 75 Resp: 51344
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.719 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY008873.D
Acq: 19 May 2022 17:21

Tgt Ion: 75 Resp: 51344
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#

