

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051922\
 Data File : VY008875.D
 Acq On : 19 May 2022 18:08
 Operator : KP/MD
 Sample : N2841-14
 Misc : 4.66g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P006-SS002-1824-01

Quant Time: May 20 02:53:27 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

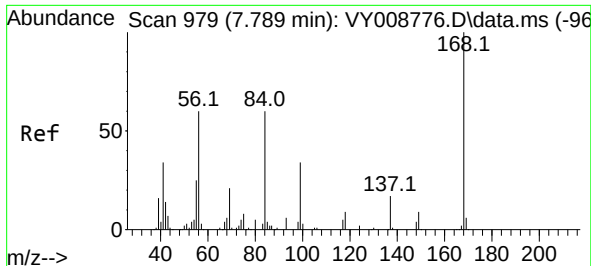
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	132976	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	237590	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	226467	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	99519	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	82890	67.192	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 134.380%	
35) Dibromofluoromethane	7.716	113	77964	56.162	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.320%	
50) Toluene-d8	10.179	98	299994	48.705	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.420%	
62) 4-Bromofluorobenzene	12.483	95	87313	40.373	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 80.740%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	737	Below Cal		75
3) Chloromethane	2.113	50	121	Below Cal	#	44
4) Vinyl Chloride	2.253	62	89	Below Cal	#	43
5) Bromomethane	2.631	94	20	Below Cal	#	4
6) Chloroethane	2.662	64	27	Below Cal	#	43
7) Trichlorofluoromethane	3.131	101	116	Below Cal	#	21
11) Tert butyl alcohol	4.942	59	931	6.828 ug/l	#	77
16) Acetone	3.954	43	1221	Below Cal		95
18) Methyl Acetate	4.210	43	140	Below Cal	#	56
20) Methylene Chloride	4.710	84	4449	Below Cal	#	79
25) 2-Butanone	6.984	43	960	1.854 ug/l	#	54
31) Cyclohexane	7.789	56	3196	Below Cal	#	52
36) 1,1-Dichloropropene	7.789	75	11573	5.205 ug/l	#	49
38) Carbon Tetrachloride	7.789	117	13269	5.569 ug/l	#	17
76) 1,2,3-Trichloropropane	12.483	75	49460	43.024 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	49460	94.106 ug/l	#	7

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

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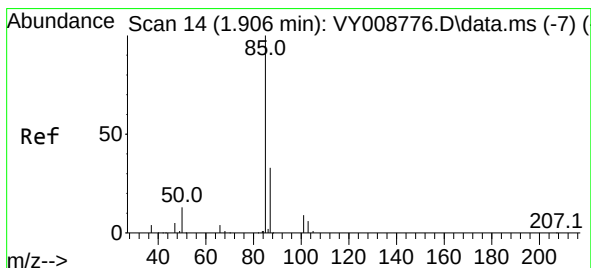
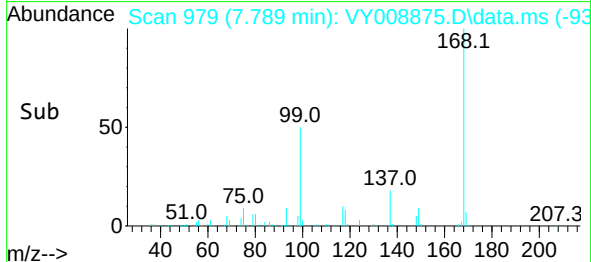
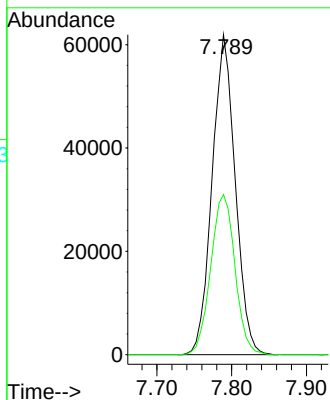
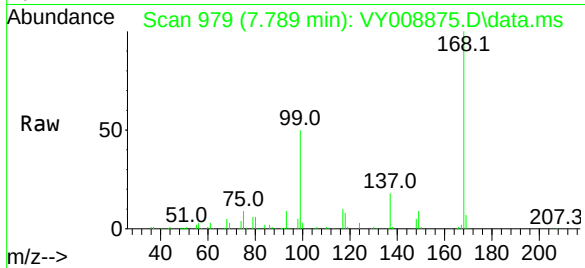




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008875.D
Acq: 19 May 2022 18:08

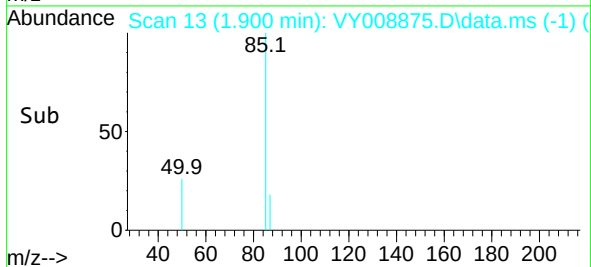
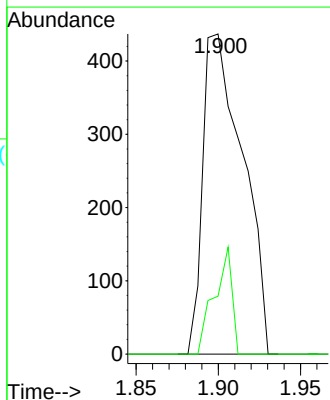
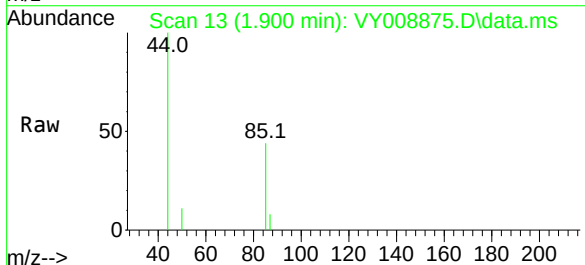
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-1824-01

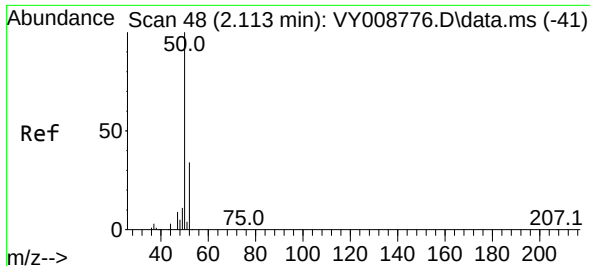
Tgt Ion:168 Resp: 132976
Ion Ratio Lower Upper
168 100
99 50.1 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY008875.D
Acq: 19 May 2022 18:08

Tgt Ion: 85 Resp: 737
Ion Ratio Lower Upper
85 100
87 18.1 16.1 48.2

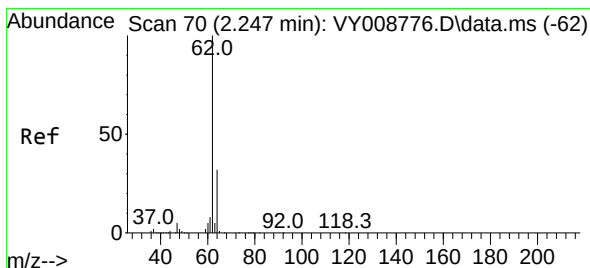
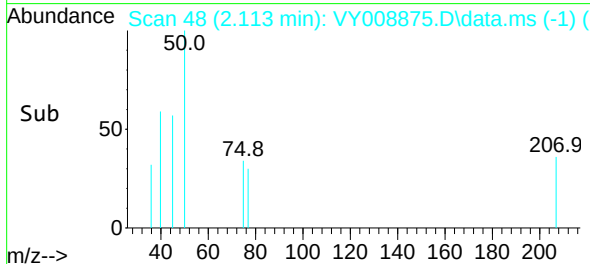
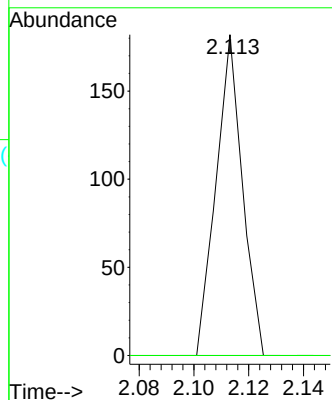
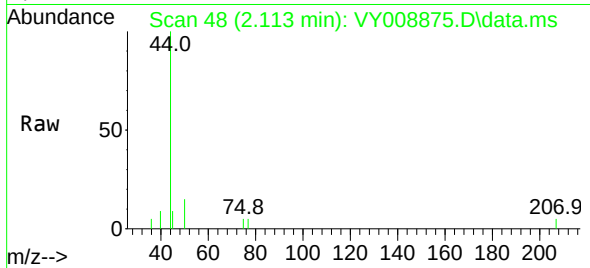




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY008875.D
Acq: 19 May 2022 18:08

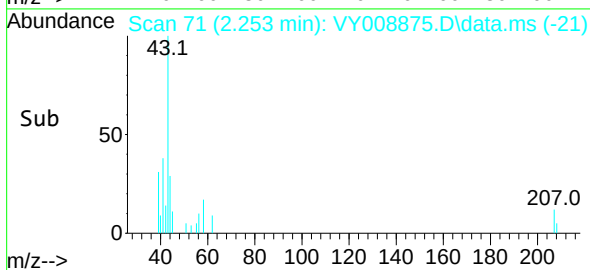
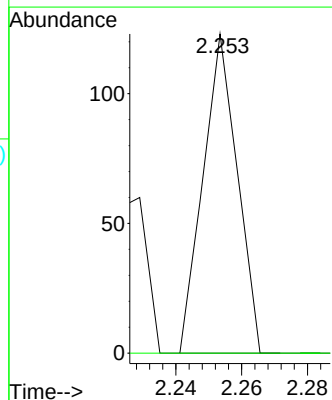
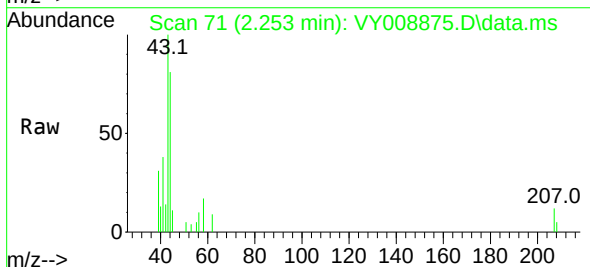
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-1824-01

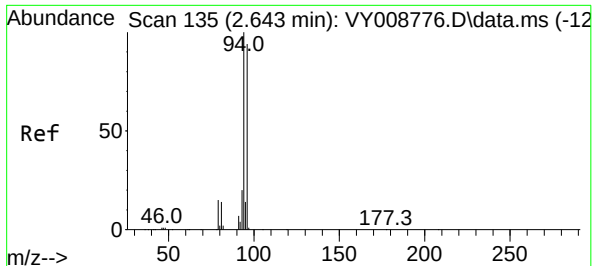
Tgt Ion: 50 Resp: 121
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.253 min Scan# 71
Delta R.T. 0.006 min
Lab File: VY008875.D
Acq: 19 May 2022 18:08

Tgt Ion: 62 Resp: 89
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

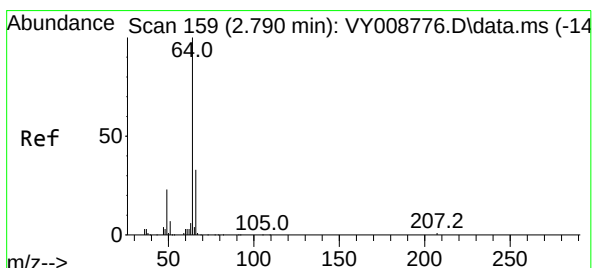
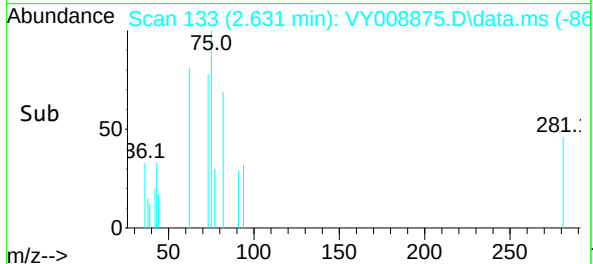
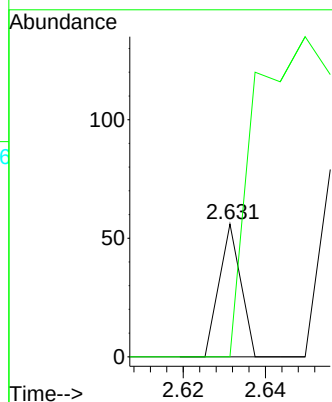
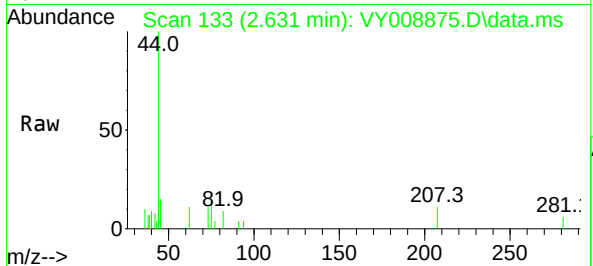




#5
Bromomethane
Concen: Below Cal
RT: 2.631 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY008875.D
Acq: 19 May 2022 18:08

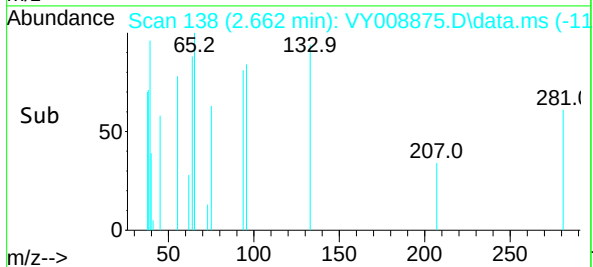
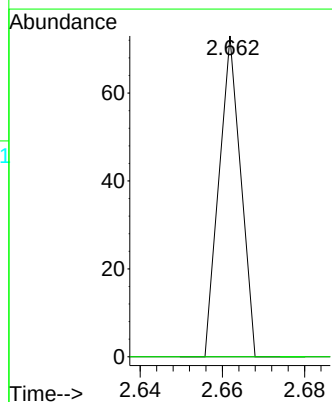
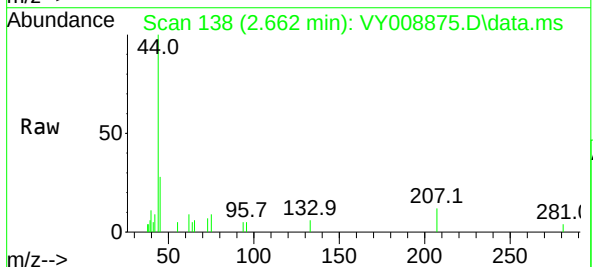
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-1824-01

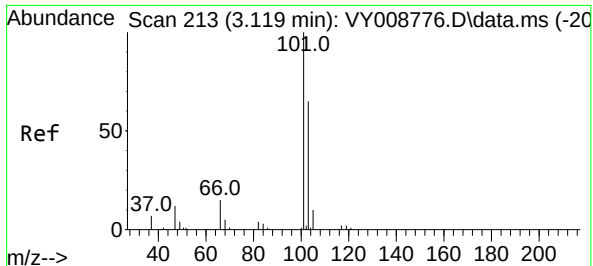
Tgt Ion: 94 Resp: 20
Ion Ratio Lower Upper
94 100
96 0.0 73.5 110.3#



#6
Chloroethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. -0.128 min
Lab File: VY008875.D
Acq: 19 May 2022 18:08

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

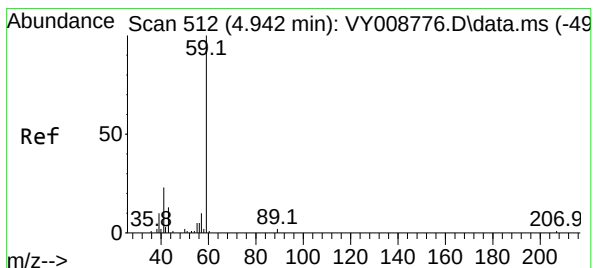
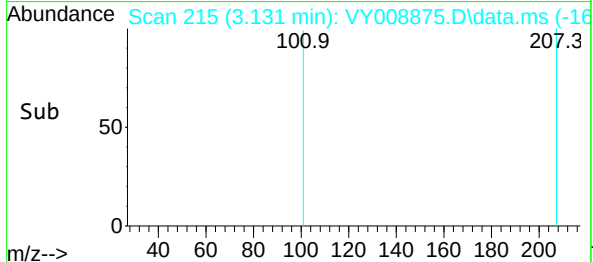
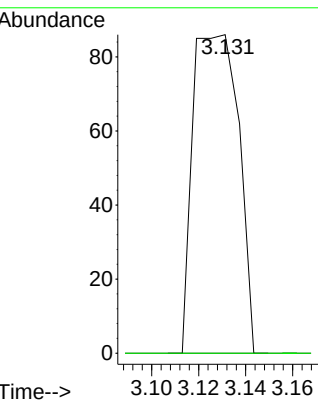
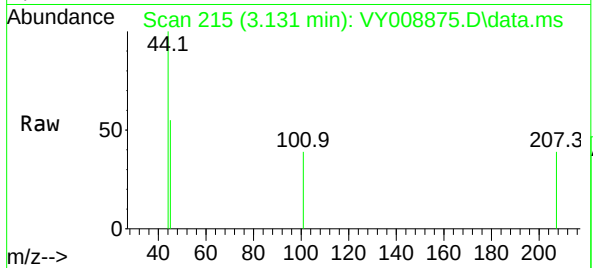




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.131 min Scan# 213
Delta R.T. 0.012 min
Lab File: VY008875.D
Acq: 19 May 2022 18:08

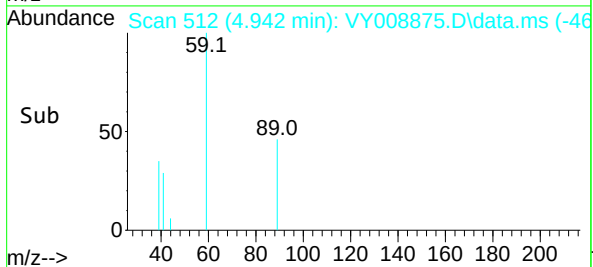
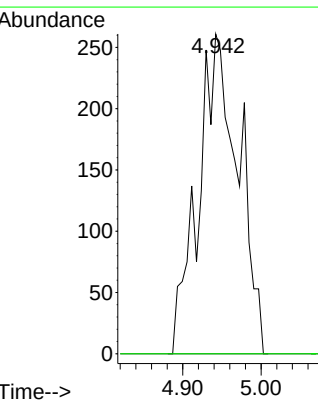
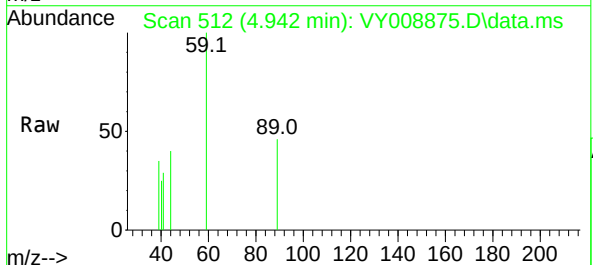
Instrument : MSVOA_Y
ClientSampleId : P006-SS002-1824-01

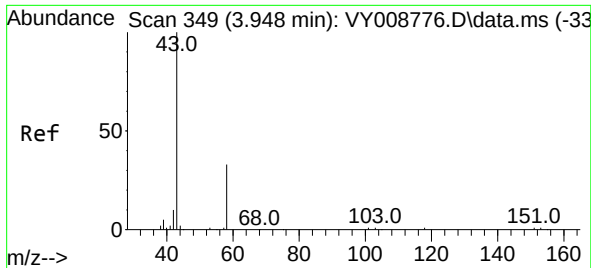
Tgt Ion:101 Resp: 116
Ion Ratio Lower Upper
101 100
103 0.0 48.0 72.0#



#11
Tert butyl alcohol
Concen: 6.828 ug/l
RT: 4.942 min Scan# 512
Delta R.T. 0.000 min
Lab File: VY008875.D
Acq: 19 May 2022 18:08

Tgt Ion: 59 Resp: 931
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

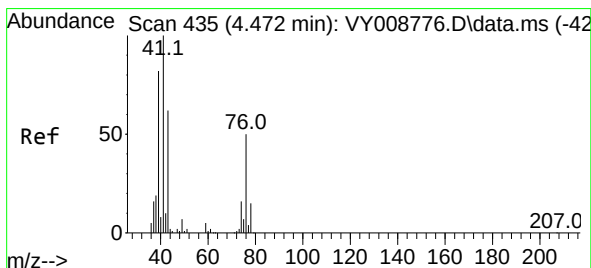
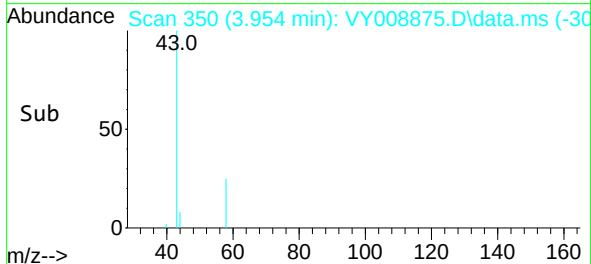
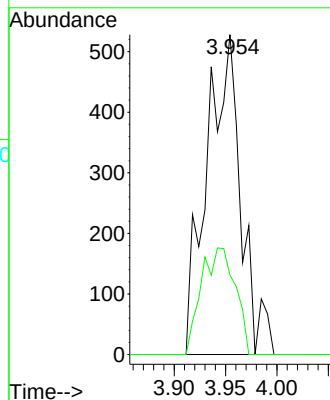
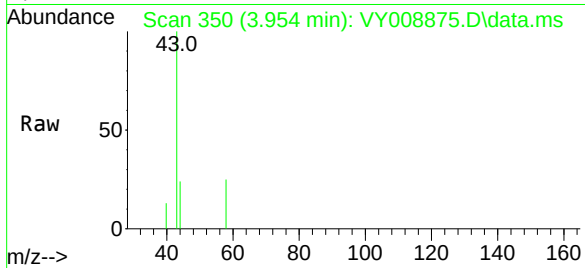




#16
Acetone
Concen: Below Cal
RT: 3.954 min Scan# 311
Delta R.T. 0.006 min
Lab File: VY008875.D
Acq: 19 May 2022 18:08

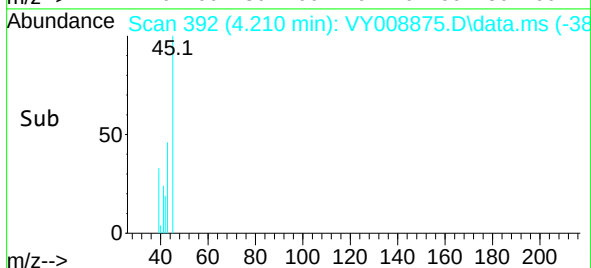
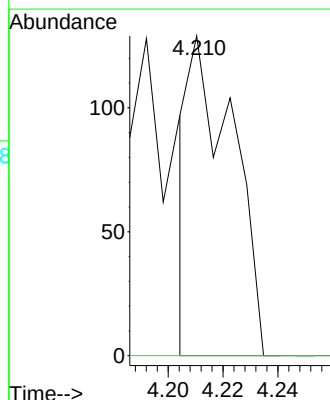
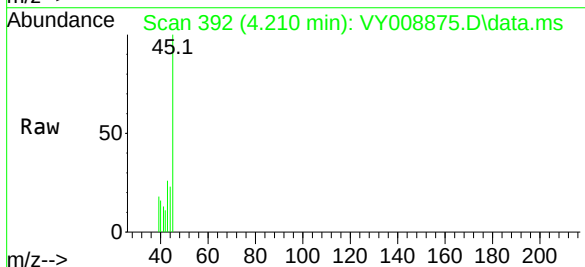
Instrument :
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ClientSampleId :
P006-SS002-1824-01

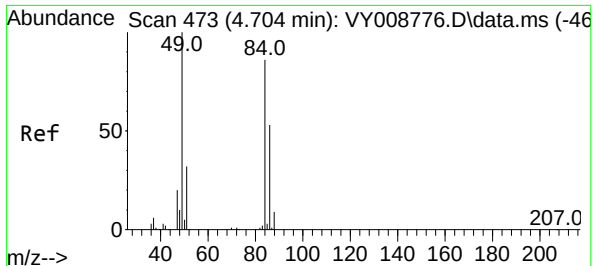
Tgt Ion: 43 Resp: 1221
Ion Ratio Lower Upper
43 100
58 24.8 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.210 min Scan# 392
Delta R.T. -0.262 min
Lab File: VY008875.D
Acq: 19 May 2022 18:08

Tgt Ion: 43 Resp: 140
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY008875.D

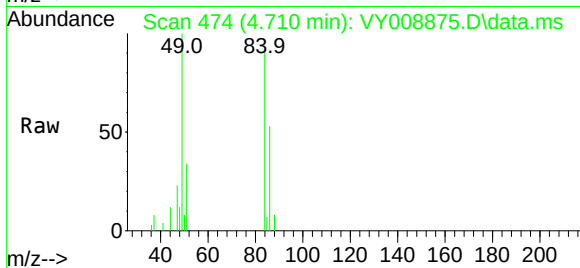
Acq: 19 May 2022 18:08

Instrument :

MSVOA_Y

ClientSampleId :

P006-SS002-1824-01



Tgt Ion: 84 Resp: 4449

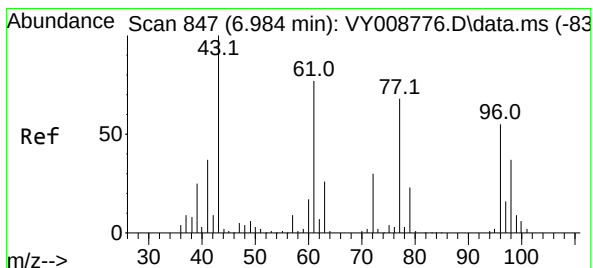
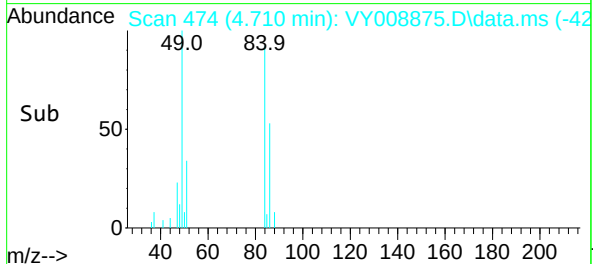
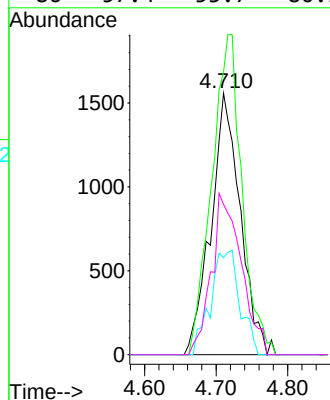
Ion Ratio Lower Upper

84 100

49 108.2 114.4 171.6#

51 37.2 35.3 52.9

86 57.4 53.7 80.5



#25

2-Butanone

Concen: 1.854 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY008875.D

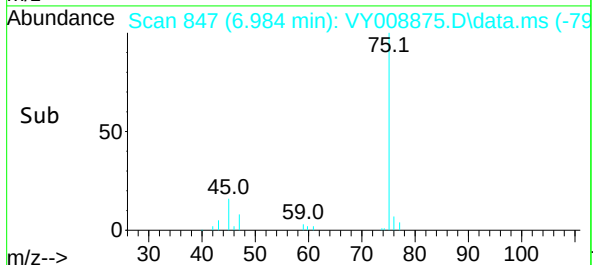
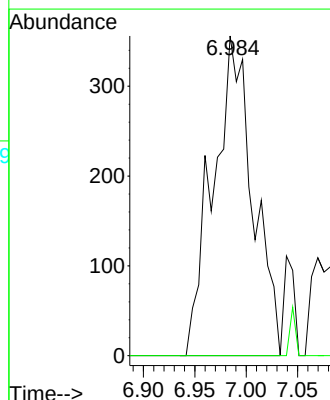
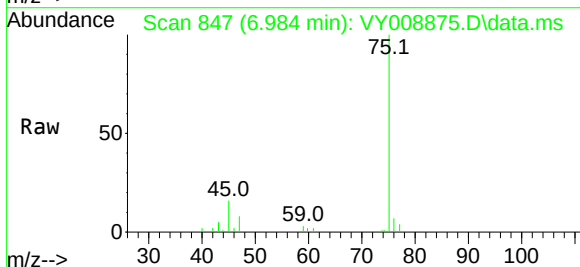
Acq: 19 May 2022 18:08

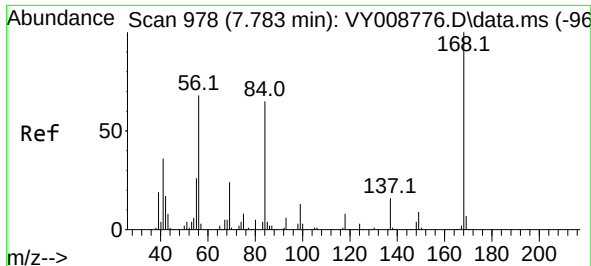
Tgt Ion: 43 Resp: 960

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#

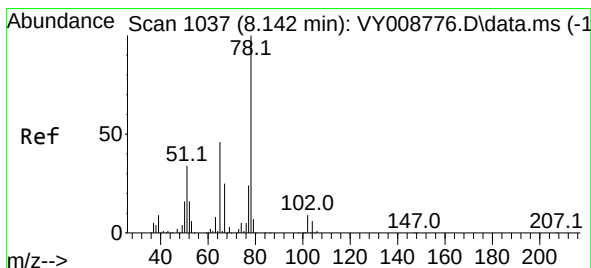
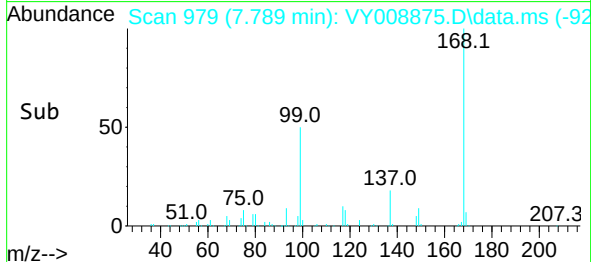
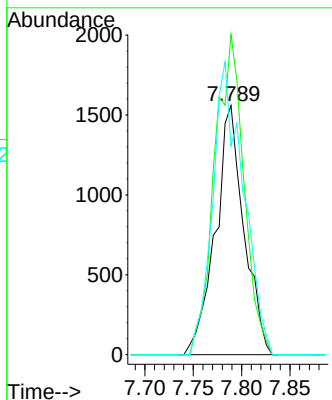
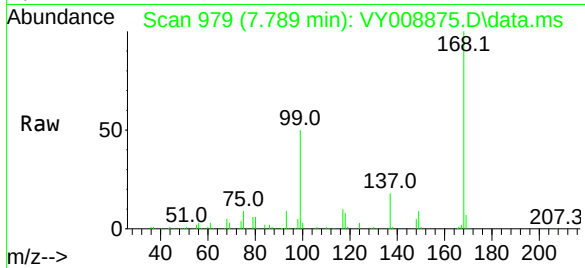




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008875.D
Acq: 19 May 2022 18:08

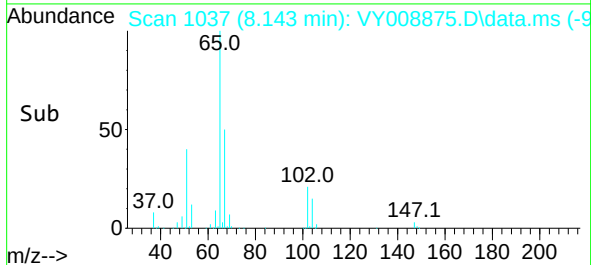
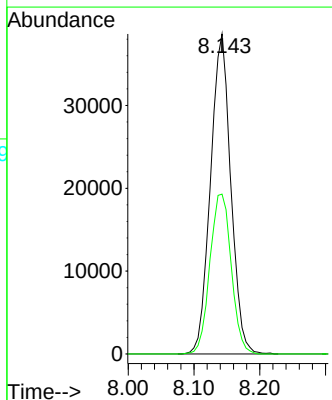
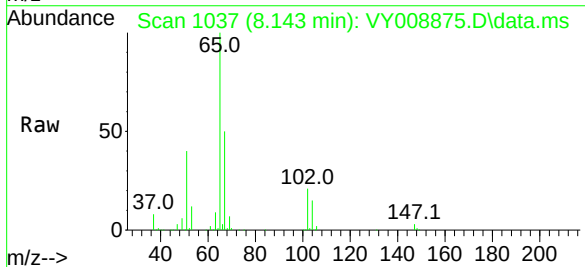
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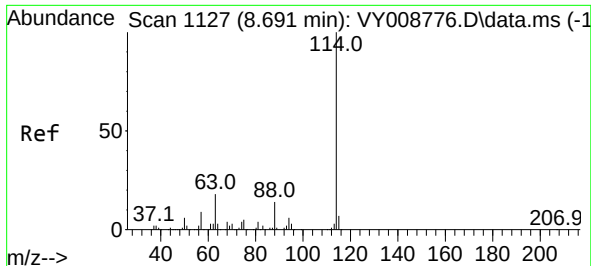
Tgt Ion: 56 Resp: 3196
Ion Ratio Lower Upper
56 100
69 128.5 26.7 40.1#
84 83.8 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 67.192 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY008875.D
Acq: 19 May 2022 18:08

Tgt Ion: 65 Resp: 82890
Ion Ratio Lower Upper
65 100
67 52.6 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY008875.D

Acq: 19 May 2022 18:08

Instrument :

MSVOA_Y

ClientSampleId :

P006-SS002-1824-01

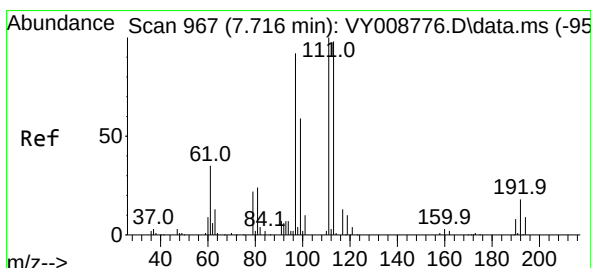
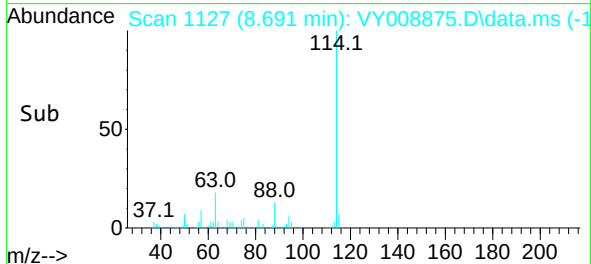
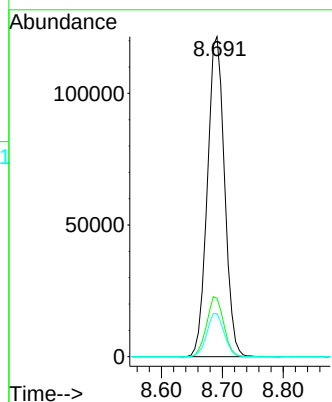
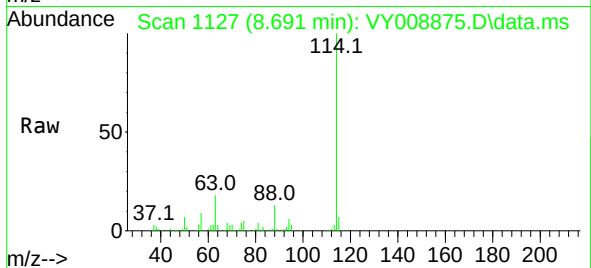
Tgt Ion:114 Resp: 237590

Ion Ratio Lower Upper

114 100

63 18.3 0.0 43.2

88 13.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 56.162 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY008875.D

Acq: 19 May 2022 18:08

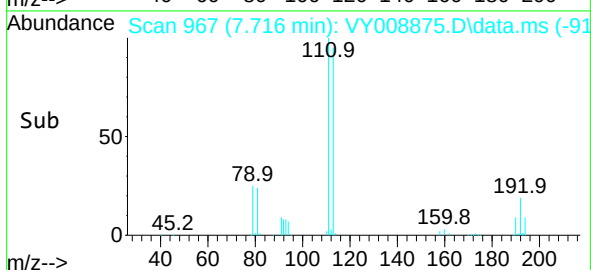
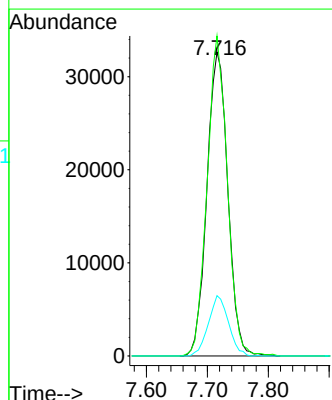
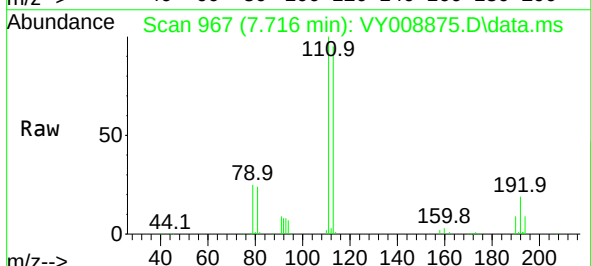
Tgt Ion:113 Resp: 77964

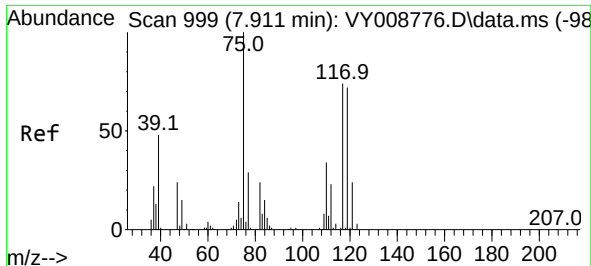
Ion Ratio Lower Upper

113 100

111 101.7 82.6 124.0

192 19.1 17.6 26.4

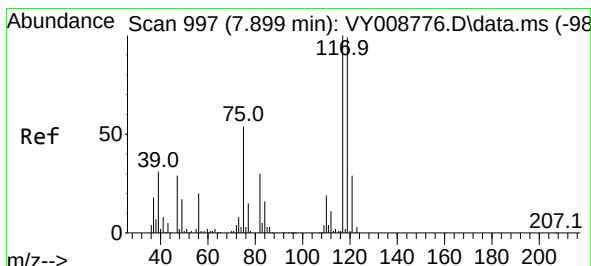
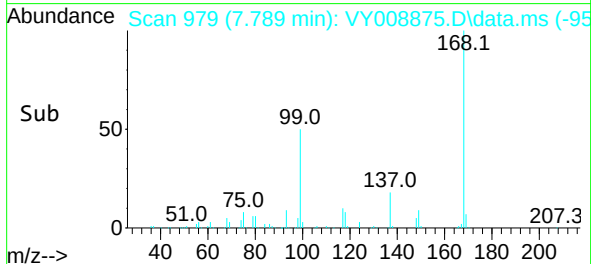
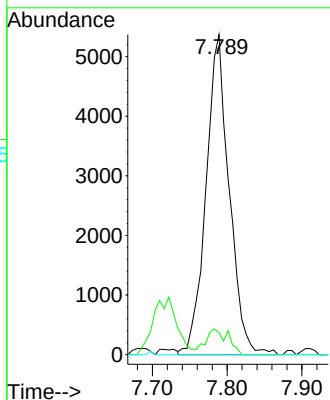
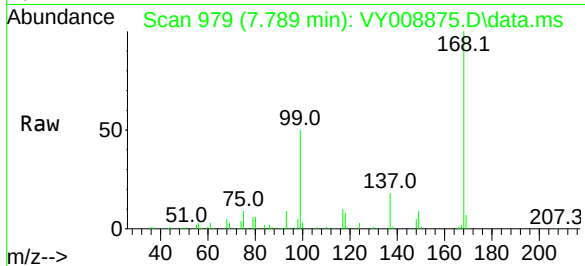




#36
1,1-Dichloropropene
Concen: 5.205 ug/l
RT: 7.789 min Scan# 911
Delta R.T. -0.122 min
Lab File: VY008875.D
Acq: 19 May 2022 18:08

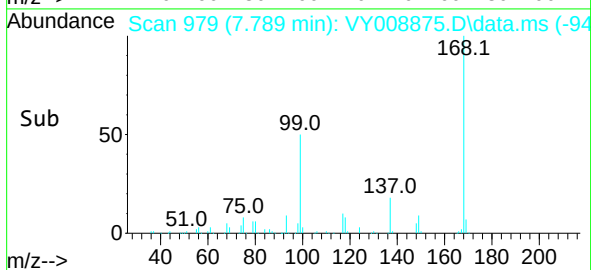
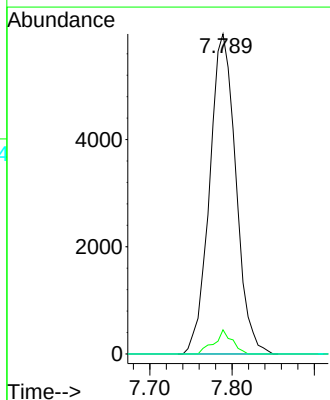
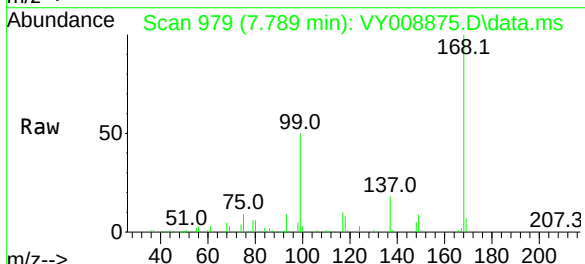
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-1824-01

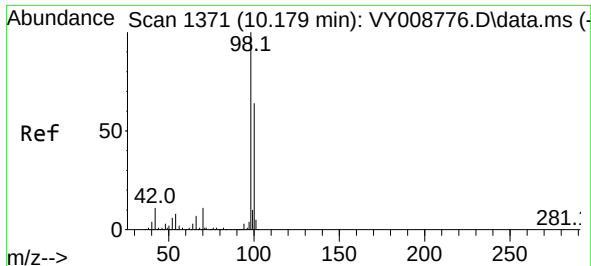
Tgt Ion: 75 Resp: 11573
Ion Ratio Lower Upper
75 100
110 7.7 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.569 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY008875.D
Acq: 19 May 2022 18:08

Tgt Ion: 117 Resp: 13269
Ion Ratio Lower Upper
117 100
119 7.6 77.9 116.9#
121 0.0 24.8 37.2#

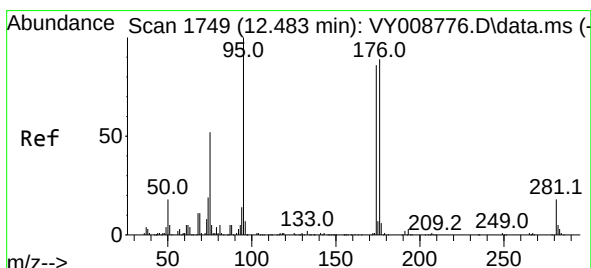
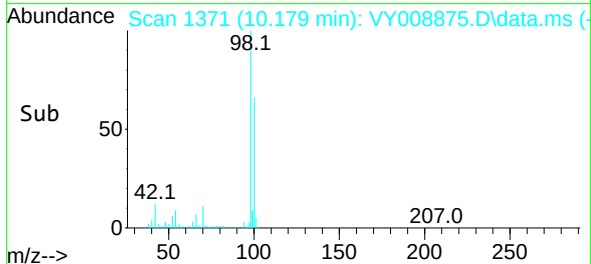
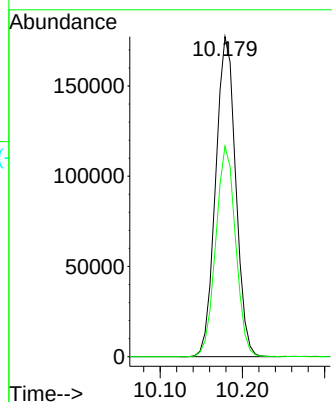
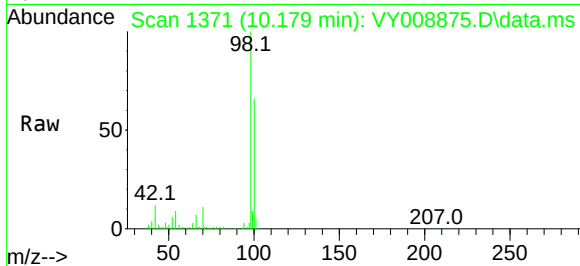




#50
Toluene-d8
Concen: 48.705 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008875.D
Acq: 19 May 2022 18:08

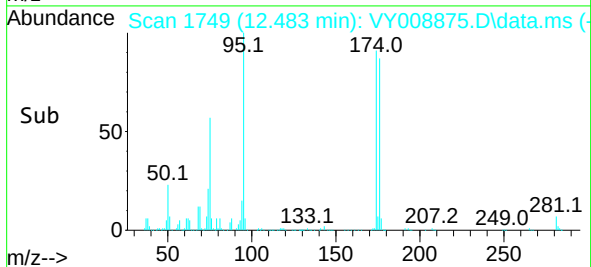
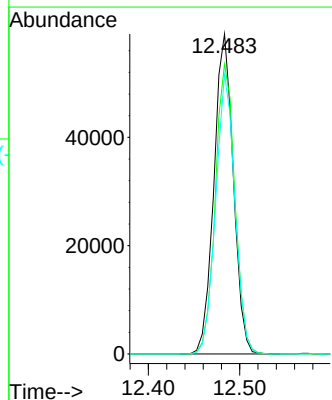
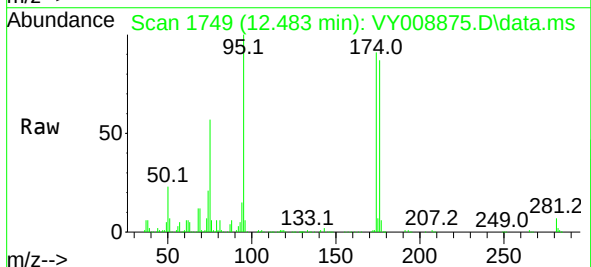
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-1824-01

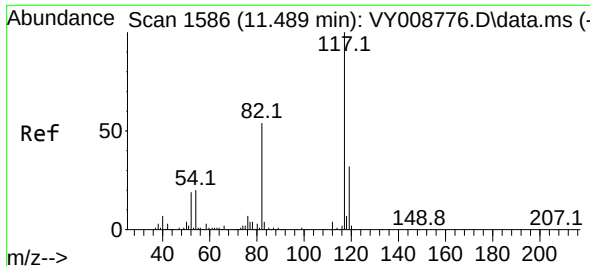
Tgt Ion: 98 Resp: 299994
Ion Ratio Lower Upper
98 100
100 65.0 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 40.373 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008875.D
Acq: 19 May 2022 18:08

Tgt Ion: 95 Resp: 87313
Ion Ratio Lower Upper
95 100
174 91.6 0.0 177.0
176 86.4 0.0 175.8

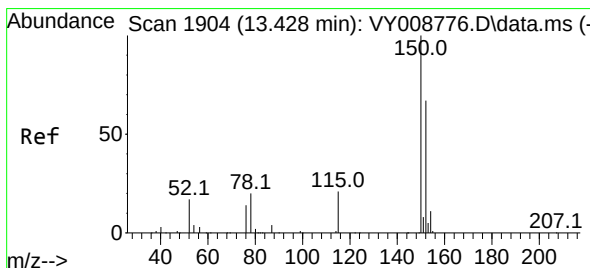
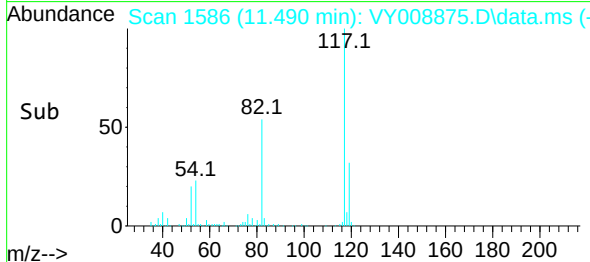
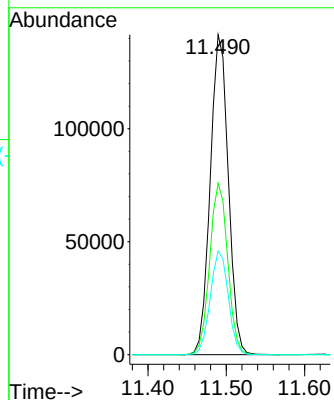
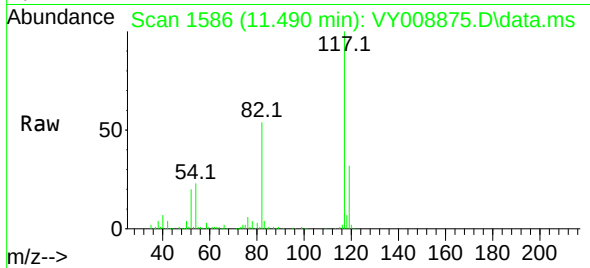




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY008875.D
Acq: 19 May 2022 18:08

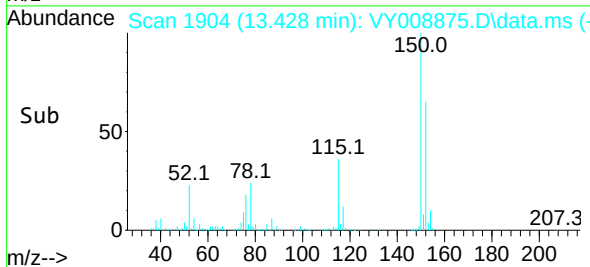
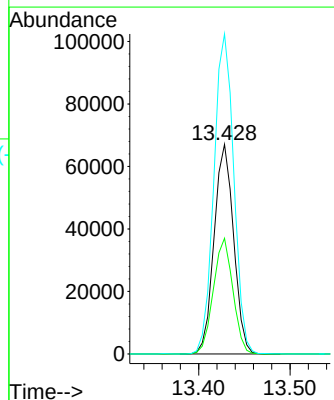
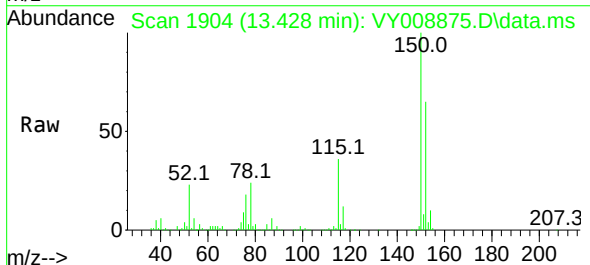
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-1824-01

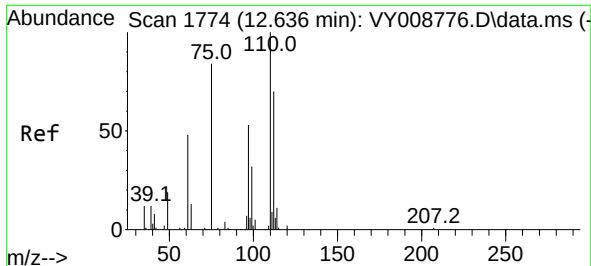
Tgt Ion:117 Resp: 226467
Ion Ratio Lower Upper
117 100
82 53.5 43.0 64.4
119 32.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008875.D
Acq: 19 May 2022 18:08

Tgt Ion:152 Resp: 99519
Ion Ratio Lower Upper
152 100
115 55.2 28.2 84.7
150 155.9 0.0 347.6

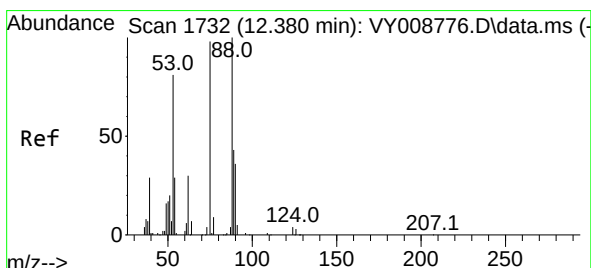
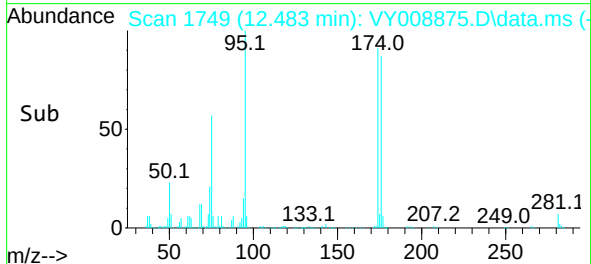
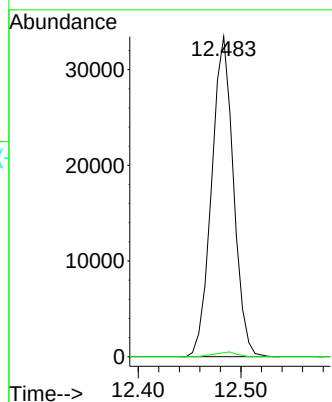
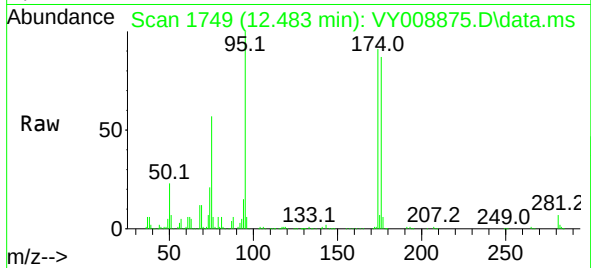




#76
1,2,3-Trichloropropane
Concen: 43.024 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY008875.D
Acq: 19 May 2022 18:08

Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-1824-01

Tgt Ion: 75 Resp: 49460
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.106 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008875.D
Acq: 19 May 2022 18:08

Tgt Ion: 75 Resp: 49460
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#

