

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051822\
 Data File : VY008826.D
 Acq On : 18 May 2022 20:00
 Operator : KP/MD
 Sample : N2841-19
 Misc : 3.22g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P005-SS003-1824-01RE

Quant Time: May 19 03:13:18 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)

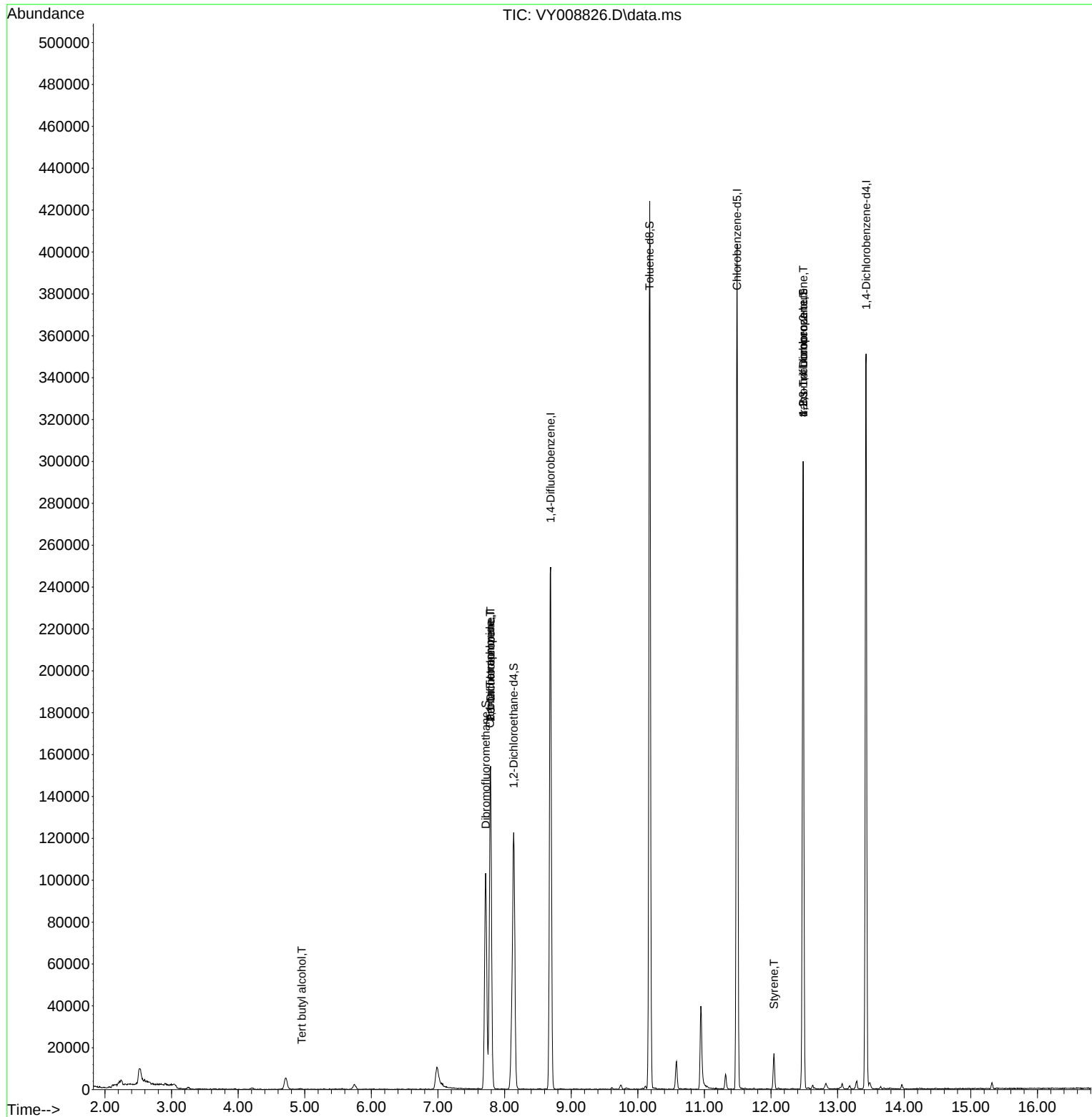
Internal Standards						
1) Pentafluorobenzene	7.789	168	118009	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	212577	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	206995	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	87453	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	77204	70.520	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 141.040%	
35) Dibromofluoromethane	7.716	113	68242	54.943	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.880%	
50) Toluene-d8	10.179	98	265047	48.135	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.260%	
62) 4-Bromofluorobenzene	12.483	95	79398	40.976	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 81.960%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	43	Below Cal	#	43
3) Chloromethane	2.113	50	147	Below Cal	#	49
4) Vinyl Chloride	2.278	62	61	Below Cal	#	43
5) Bromomethane	2.656	94	217	Below Cal		88
6) Chloroethane	2.650	64	47	Below Cal	#	43
7) Trichlorofluoromethane	3.137	101	138	Below Cal	#	21
11) Tert butyl alcohol	4.954	59	263	2.174 ug/l	#	77
16) Acetone	3.942	43	408	Below Cal	#	89
18) Methyl Acetate	4.338	43	33	Below Cal	#	56
20) Methylene Chloride	4.710	84	4094	Below Cal	#	82
31) Cyclohexane	7.789	56	2772	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	10095	5.075 ug/l	#	51
38) Carbon Tetrachloride	7.783	117	12011	5.634 ug/l	#	14
70) Styrene	12.044	104	7912	1.697 ug/l	#	84
76) 1,2,3-Trichloropropane	12.483	75	44591	44.140 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	44591	96.548 ug/l	#	7

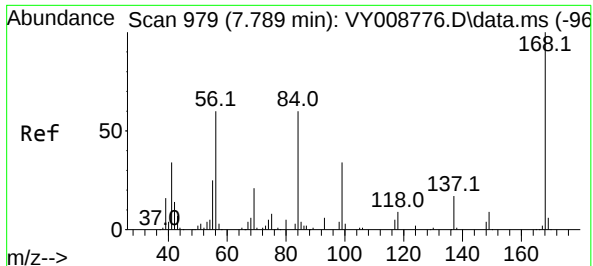
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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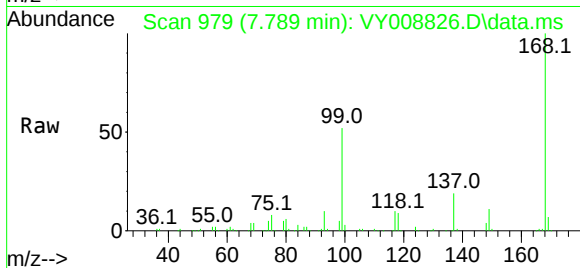
Quant Time: May 19 03:13:18 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
Quant Title : SW846 8260
QLast Update : Wed May 18 07:32:50 2022
Response via : Initial Calibration



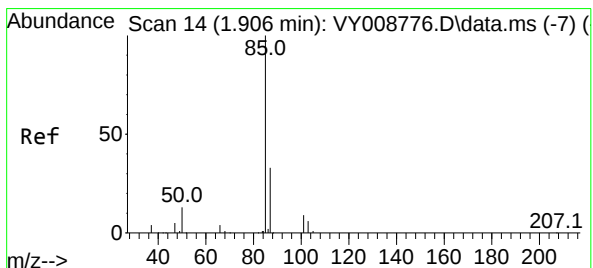
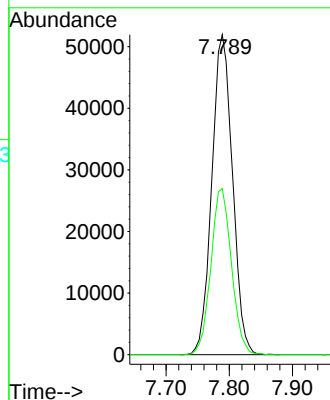
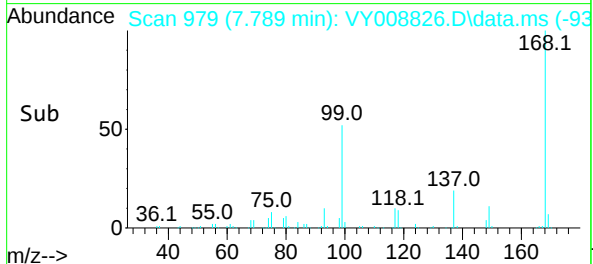


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY008826.D
Acq: 18 May 2022 20:00

Instrument :
MSVOA_Y
ClientSampleId :
P005-SS003-1824-01RE

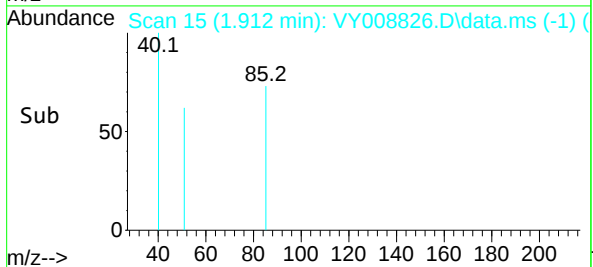
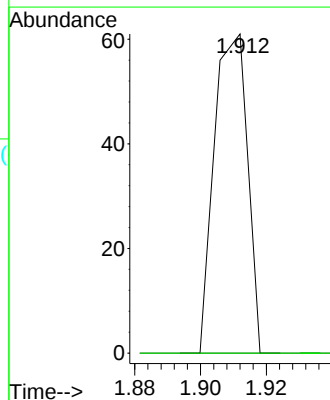
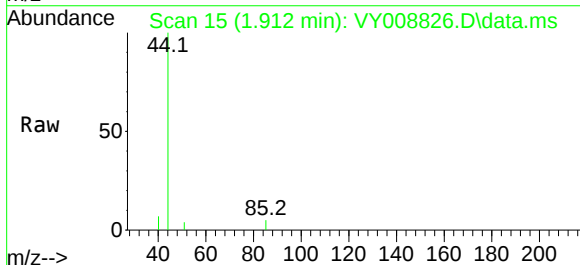


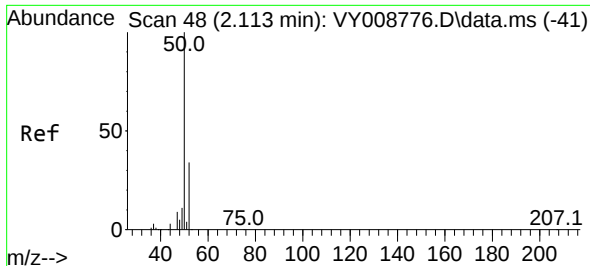
Tgt Ion:168 Resp: 118009
Ion Ratio Lower Upper
168 100
99 51.9 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY008826.D
Acq: 18 May 2022 20:00

Tgt Ion: 85 Resp: 43
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

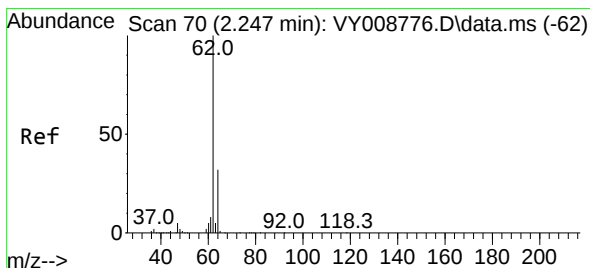
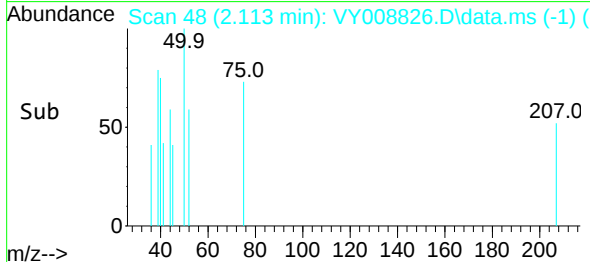
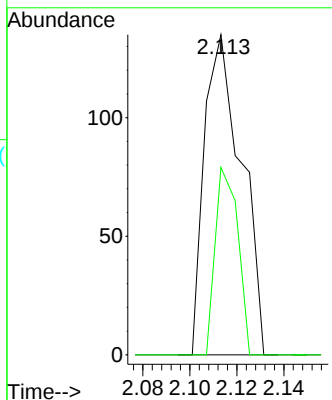
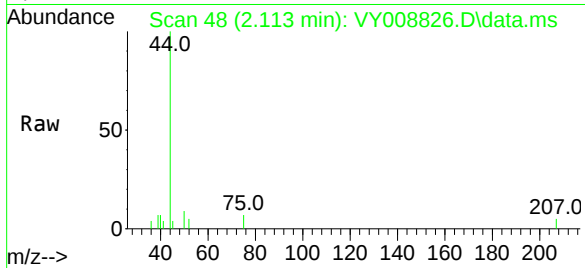




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY008826.D
Acq: 18 May 2022 20:00

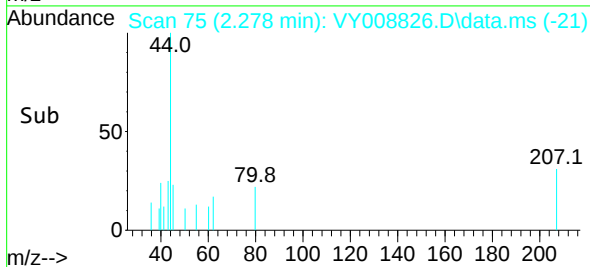
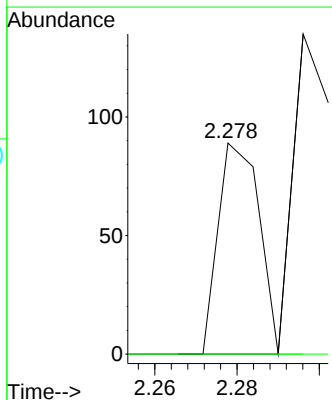
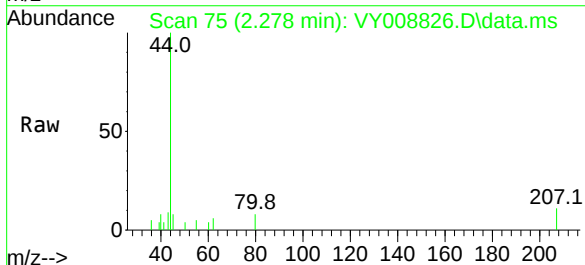
Instrument :
MSVOA_Y
ClientSampleId :
P005-SS003-1824-01RE

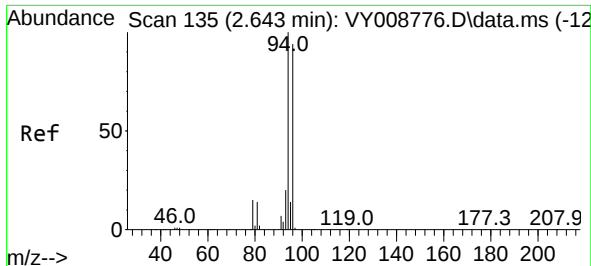
Tgt Ion: 50 Resp: 147
Ion Ratio Lower Upper
50 100
52 58.5 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.278 min Scan# 75
Delta R.T. 0.031 min
Lab File: VY008826.D
Acq: 18 May 2022 20:00

Tgt Ion: 62 Resp: 61
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

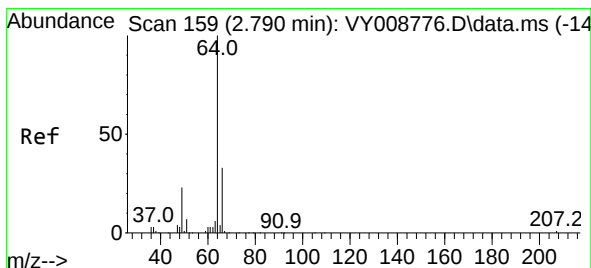
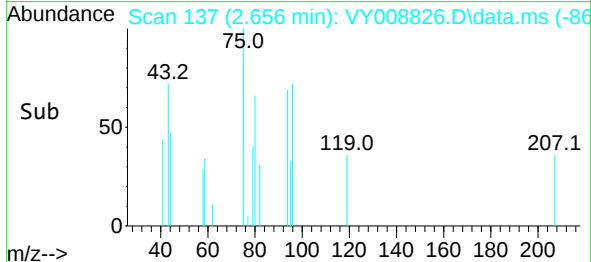
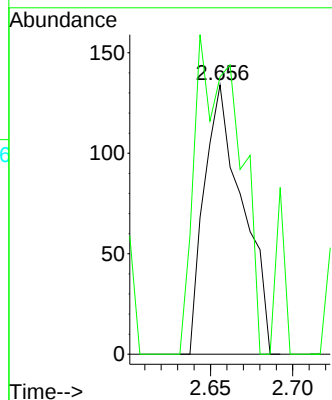
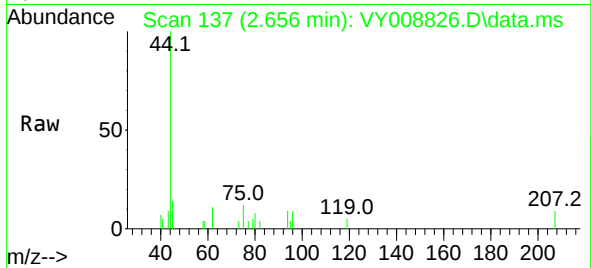




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY008826.D
Acq: 18 May 2022 20:00

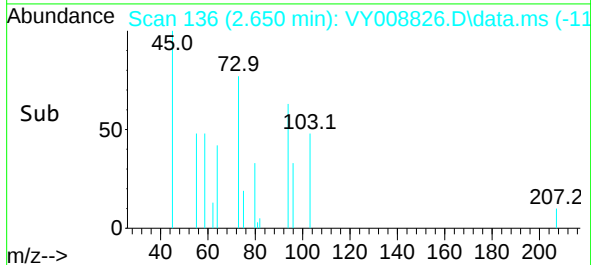
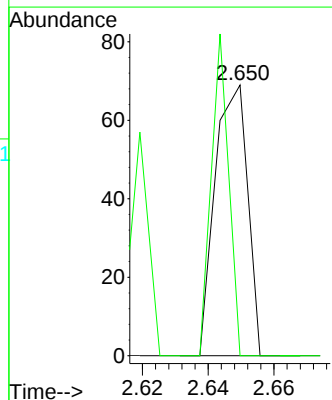
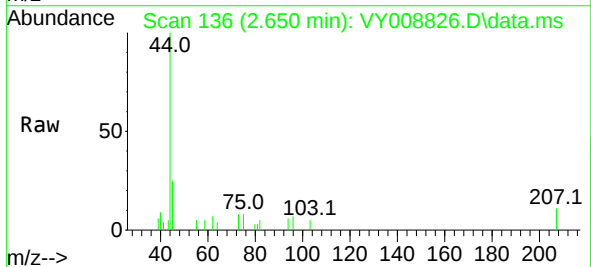
Instrument :
MSVOA_Y
ClientSampleId :
P005-SS003-1824-01RE

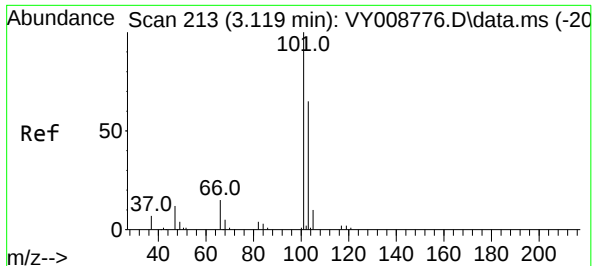
Tgt Ion: 94 Resp: 217
Ion Ratio Lower Upper
94 100
96 103.0 73.5 110.3



#6
Chloroethane
Concen: Below Cal
RT: 2.650 min Scan# 136
Delta R.T. -0.140 min
Lab File: VY008826.D
Acq: 18 May 2022 20:00

Tgt Ion: 64 Resp: 47
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

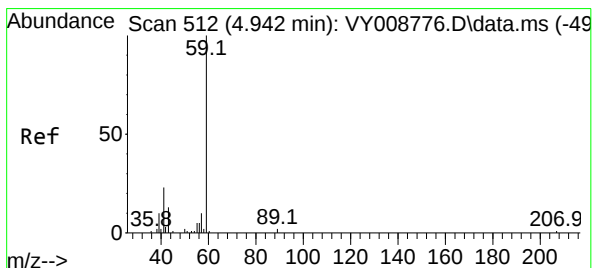
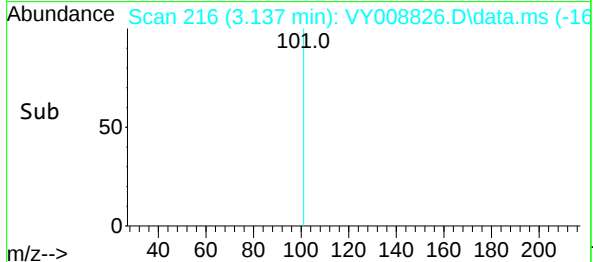
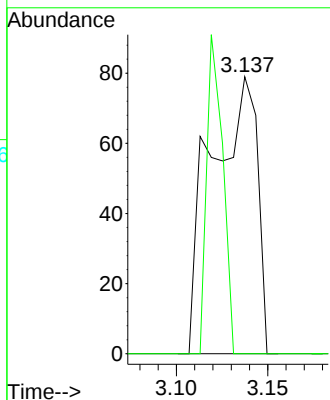
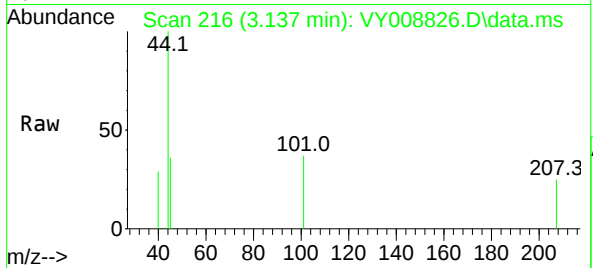




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.137 min Scan# 21
Delta R.T. 0.018 min
Lab File: VY008826.D
Acq: 18 May 2022 20:00

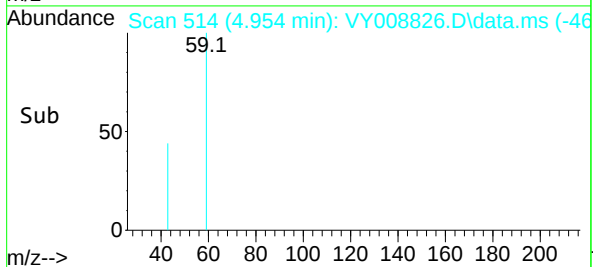
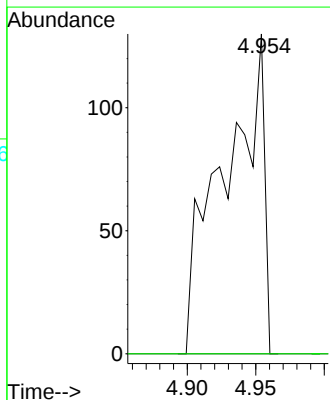
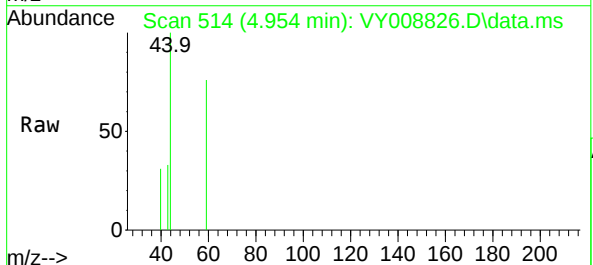
Instrument :
MSVOA_Y
ClientSampleId :
P005-SS003-1824-01RE

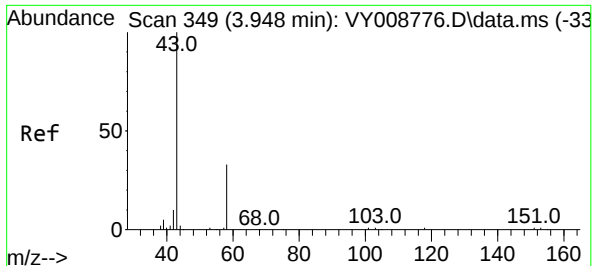
Tgt Ion:101 Resp: 138
Ion Ratio Lower Upper
101 100
103 0.0 48.0 72.0#



#11
Tert butyl alcohol
Concen: 2.174 ug/l
RT: 4.954 min Scan# 514
Delta R.T. 0.012 min
Lab File: VY008826.D
Acq: 18 May 2022 20:00

Tgt Ion: 59 Resp: 263
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

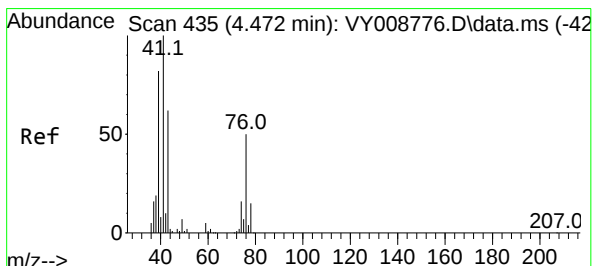
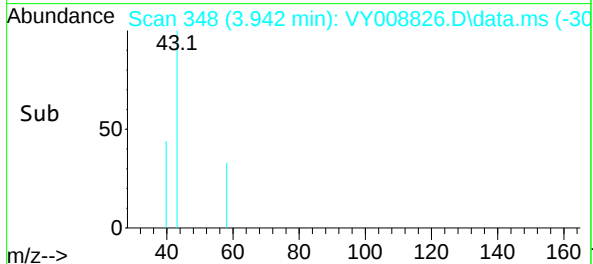
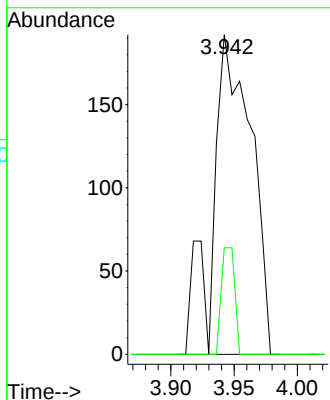
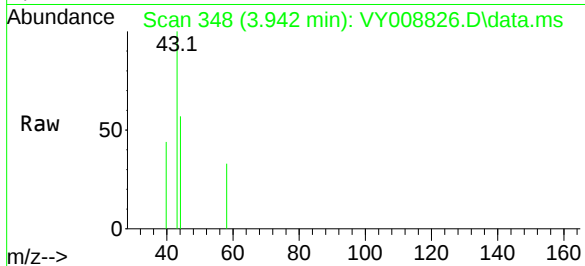




#16
Acetone
Concen: Below Cal
RT: 3.942 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY008826.D
Acq: 18 May 2022 20:00

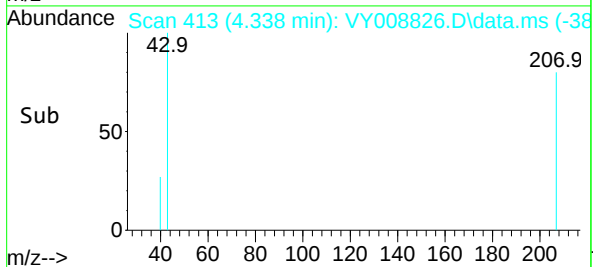
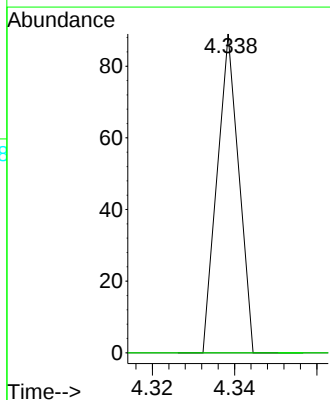
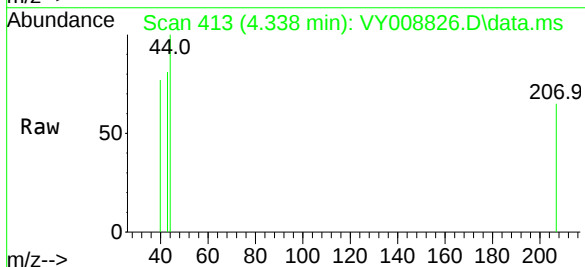
Instrument :
MSVOA_Y
ClientSampleId :
P005-SS003-1824-01RE

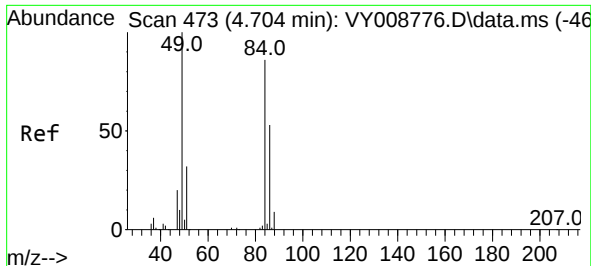
Tgt Ion: 43 Resp: 408
Ion Ratio Lower Upper
43 100
58 33.3 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.338 min Scan# 413
Delta R.T. -0.134 min
Lab File: VY008826.D
Acq: 18 May 2022 20:00

Tgt Ion: 43 Resp: 33
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: VY008826.D

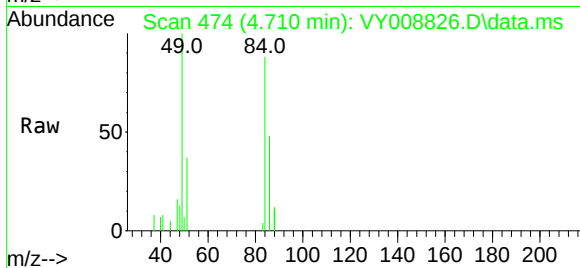
Acq: 18 May 2022 20:00

Instrument :

MSVOA_Y

ClientSampleId :

P005-SS003-1824-01RE



Tgt Ion: 84 Resp: 4094

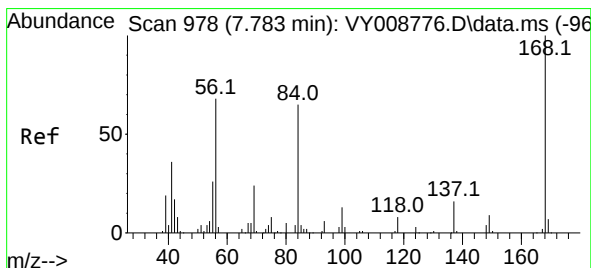
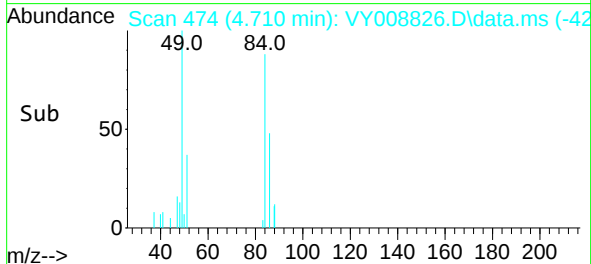
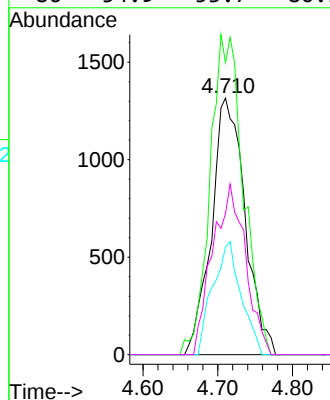
Ion Ratio Lower Upper

84 100

49 113.8 114.4 171.6#

51 41.9 35.3 52.9

86 54.9 53.7 80.5



#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY008826.D

Acq: 18 May 2022 20:00

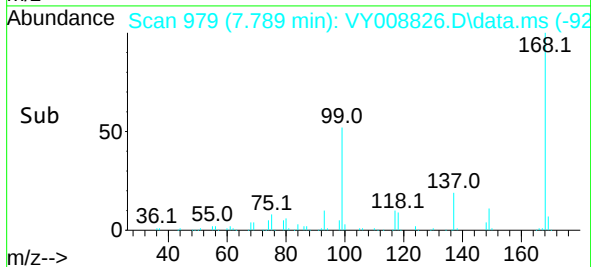
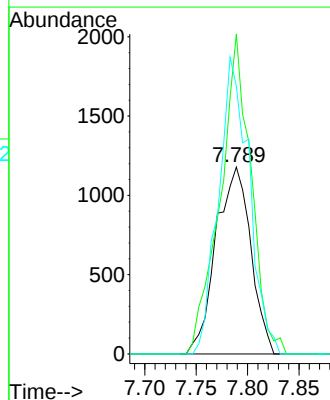
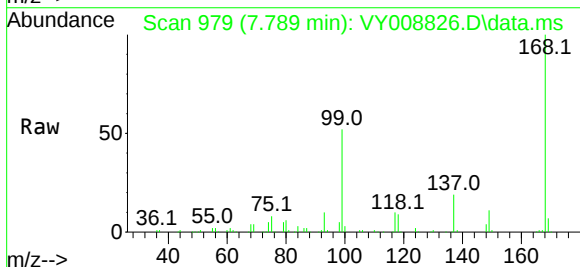
Tgt Ion: 56 Resp: 2772

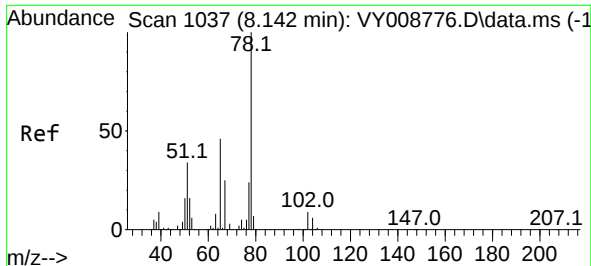
Ion Ratio Lower Upper

56 100

69 171.3 26.7 40.1#

84 143.2 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 70.520 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY008826.D

Acq: 18 May 2022 20:00

Instrument :

MSVOA_Y

ClientSampleId :

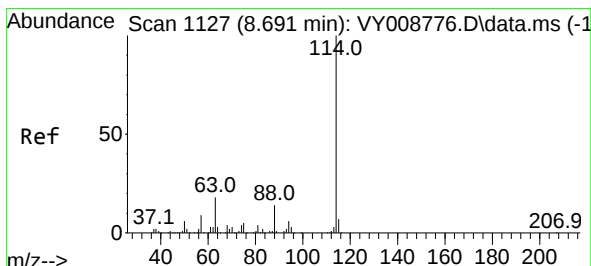
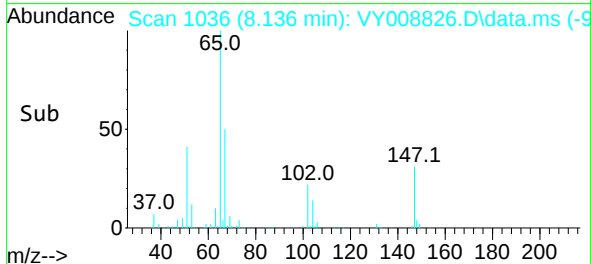
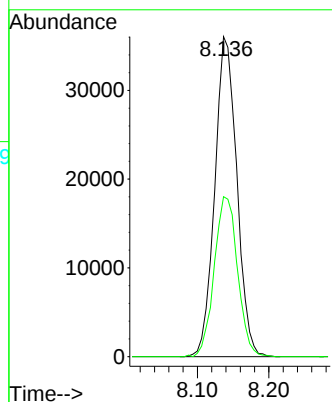
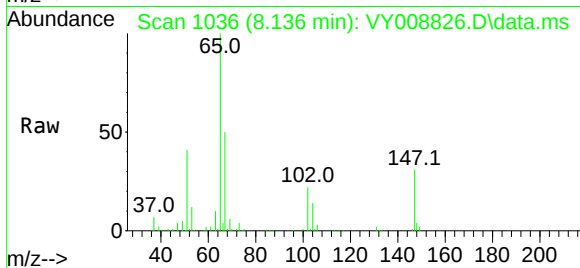
P005-SS003-1824-01RE

Tgt Ion: 65 Resp: 77204

Ion Ratio Lower Upper

65 100

67 52.9 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: VY008826.D

Acq: 18 May 2022 20:00

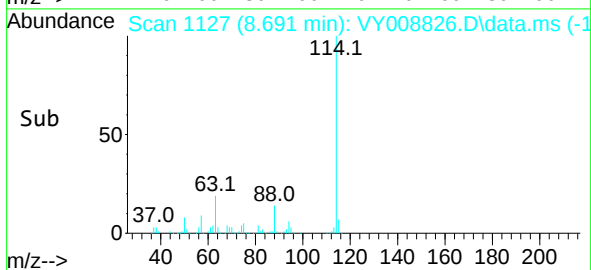
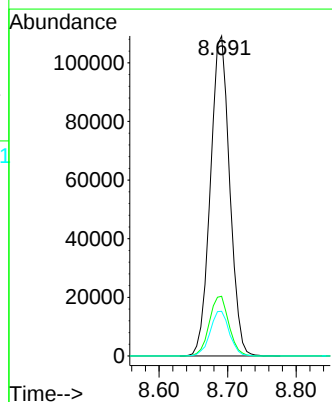
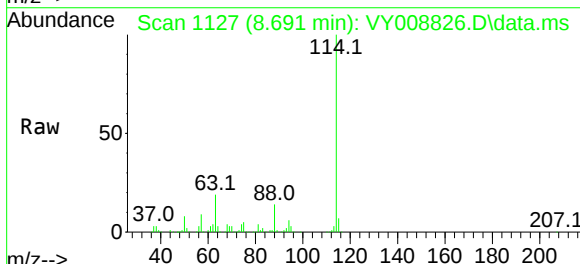
Tgt Ion: 114 Resp: 212577

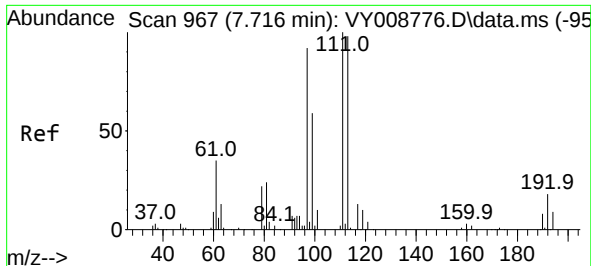
Ion Ratio Lower Upper

114 100

63 18.7 0.0 43.2

88 14.0 0.0 31.8

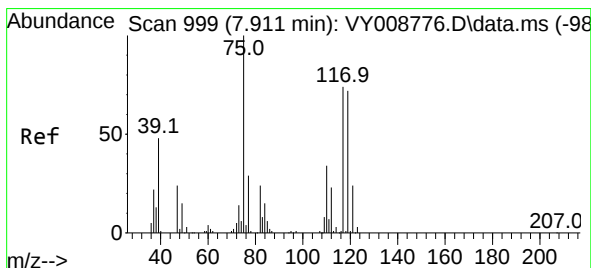
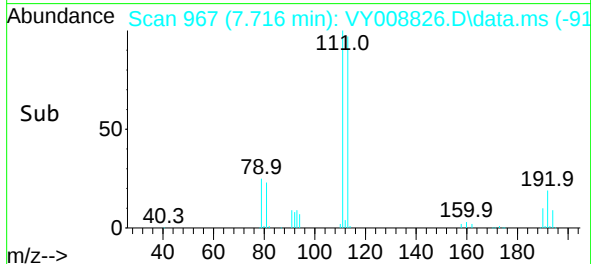
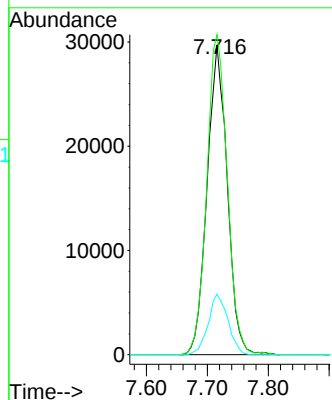
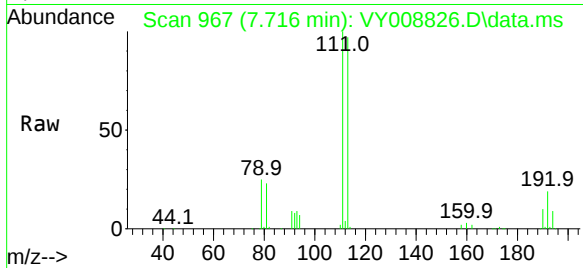




#35
Dibromofluoromethane
Concen: 54.943 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY008826.D
Acq: 18 May 2022 20:00

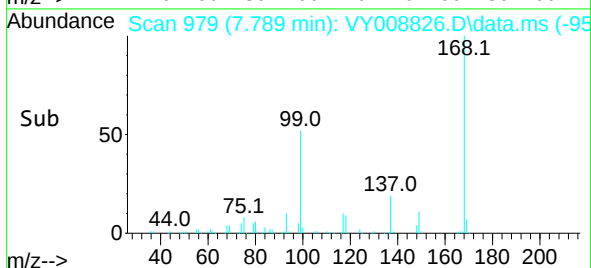
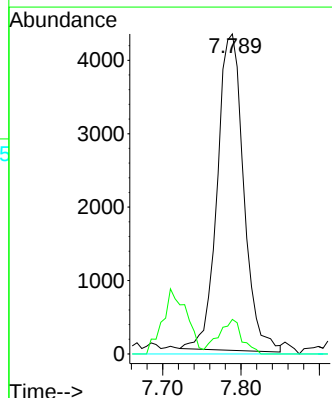
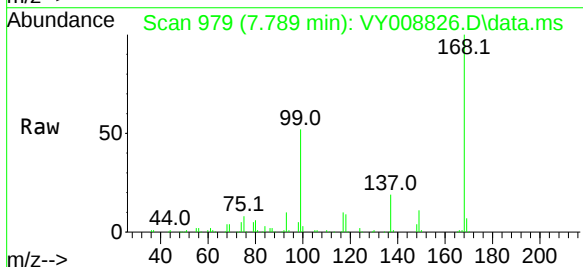
Instrument :
MSVOA_Y
ClientSampleId :
P005-SS003-1824-01RE

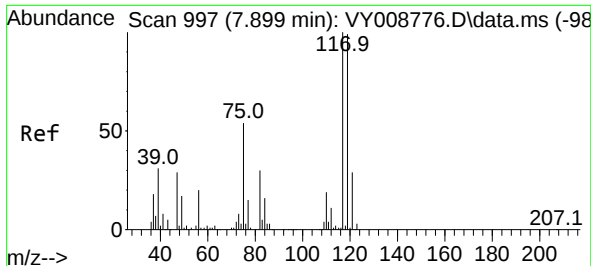
Tgt Ion:113 Resp: 68242
Ion Ratio Lower Upper
113 100
111 104.9 82.6 124.0
192 19.2 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.075 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY008826.D
Acq: 18 May 2022 20:00

Tgt Ion: 75 Resp: 10095
Ion Ratio Lower Upper
75 100
110 9.7 17.1 51.2#
77 0.0 24.4 36.6#

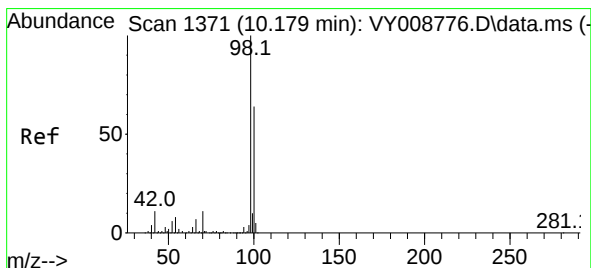
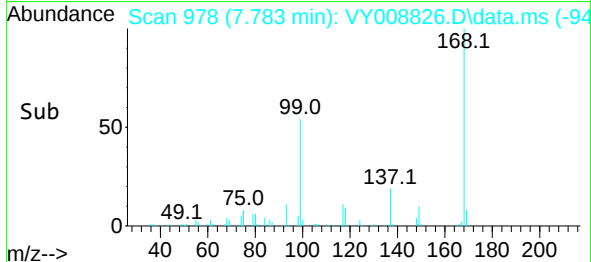
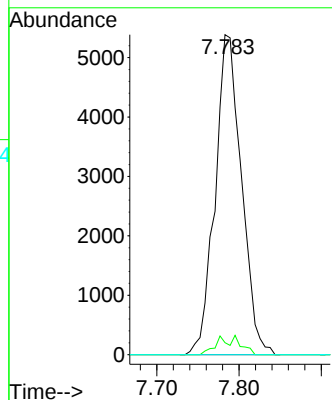
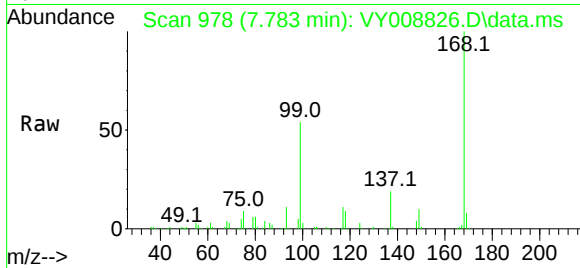




#38
Carbon Tetrachloride
Concen: 5.634 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY008826.D
Acq: 18 May 2022 20:00

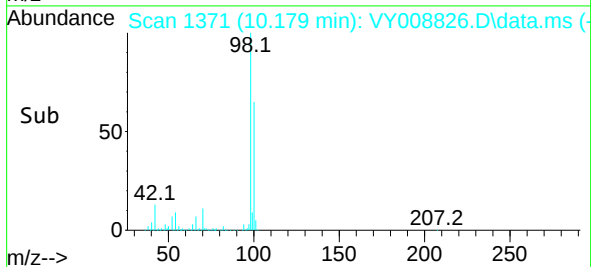
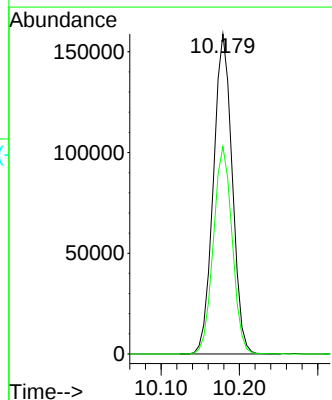
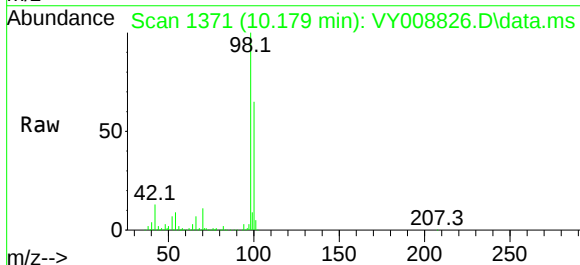
Instrument :
MSVOA_Y
ClientSampleId :
P005-SS003-1824-01RE

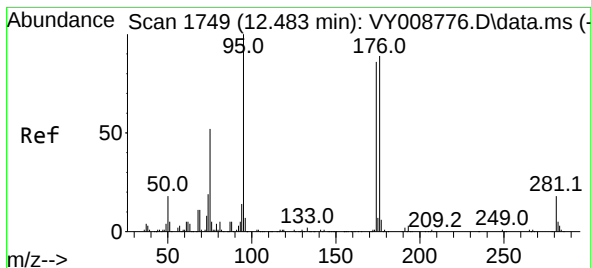
Tgt Ion:117 Resp: 12011
Ion Ratio Lower Upper
117 100
119 3.8 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.135 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008826.D
Acq: 18 May 2022 20:00

Tgt Ion: 98 Resp: 265047
Ion Ratio Lower Upper
98 100
100 64.5 50.2 75.2





#62

4-Bromofluorobenzene

Concen: 40.976 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY008826.D

Acq: 18 May 2022 20:00

Instrument :

MSVOA_Y

ClientSampleId :

P005-SS003-1824-01RE

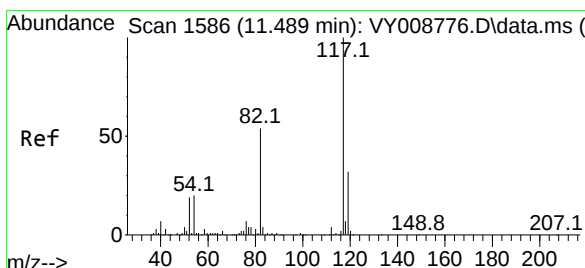
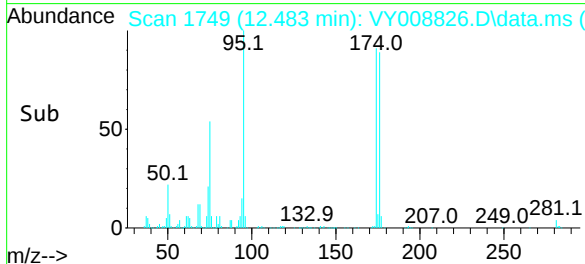
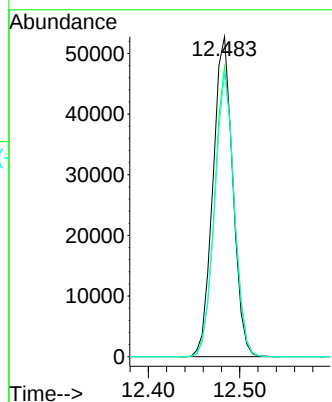
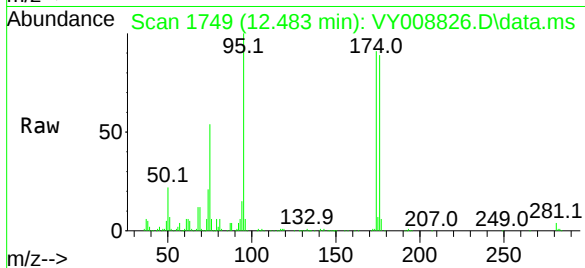
Tgt Ion: 95 Resp: 79398

Ion Ratio Lower Upper

95 100

174 89.3 0.0 177.0

176 87.3 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: VY008826.D

Acq: 18 May 2022 20:00

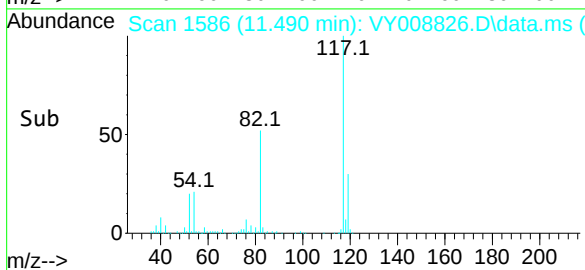
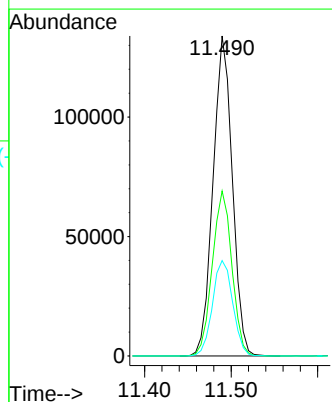
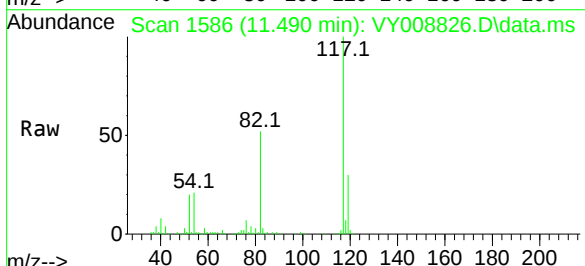
Tgt Ion: 117 Resp: 206995

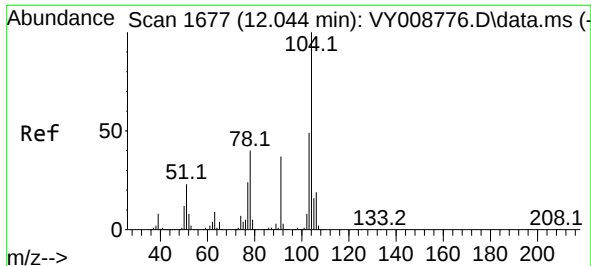
Ion Ratio Lower Upper

117 100

82 51.5 43.0 64.4

119 29.8 25.4 38.0

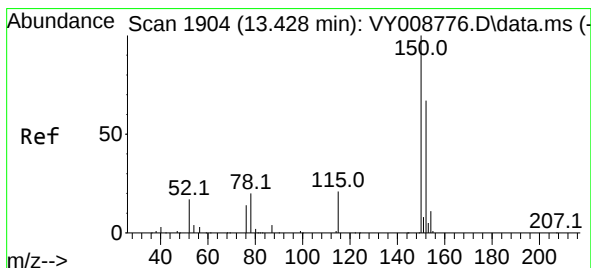
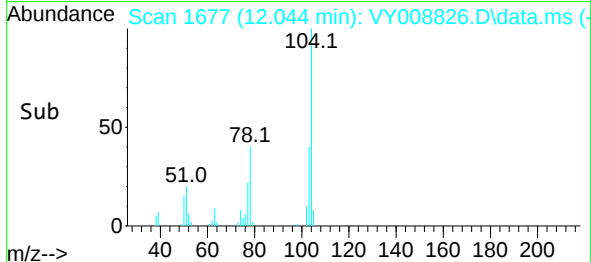
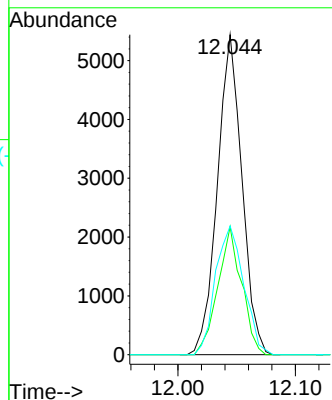
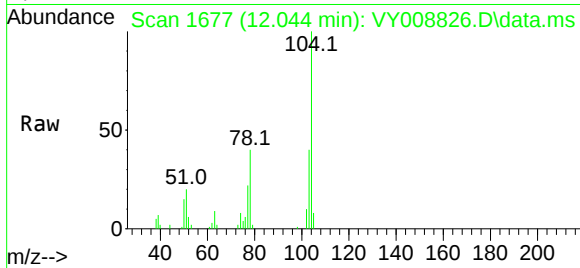




#70
Styrene
Concen: 1.697 ug/l
RT: 12.044 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY008826.D
Acq: 18 May 2022 20:00

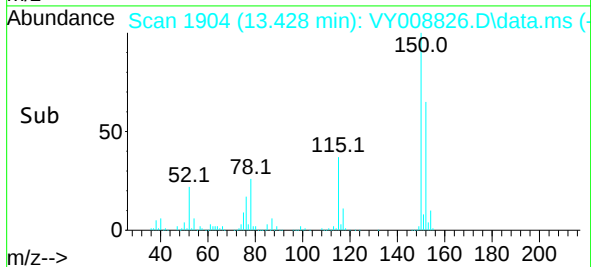
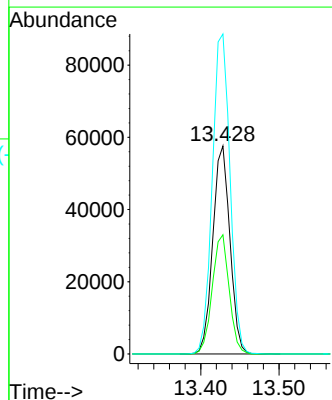
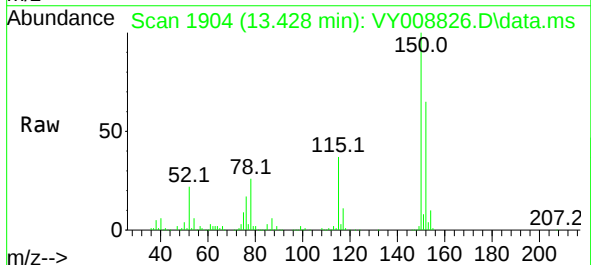
Instrument :
MSVOA_Y
ClientSampleId :
P005-SS003-1824-01RE

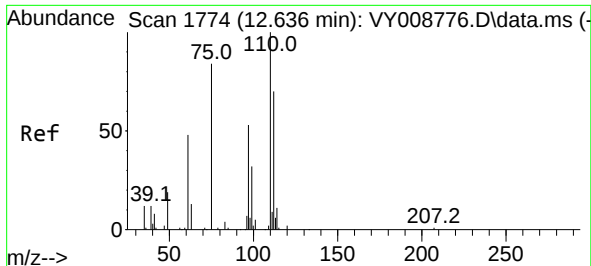
Tgt Ion:104 Resp: 7912
Ion Ratio Lower Upper
104 100
78 38.7 42.4 63.6#
103 46.3 44.4 66.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008826.D
Acq: 18 May 2022 20:00

Tgt Ion:152 Resp: 87453
Ion Ratio Lower Upper
152 100
115 56.6 28.2 84.7
150 159.1 0.0 347.6

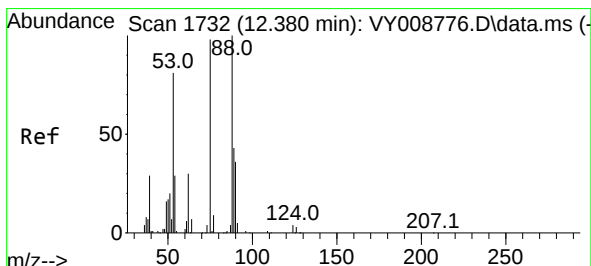
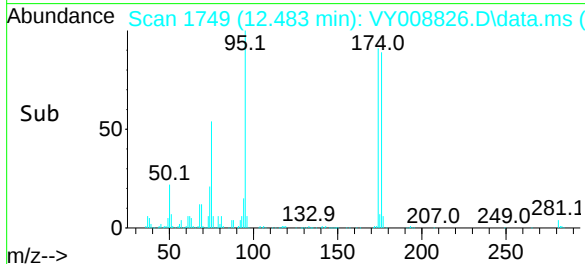
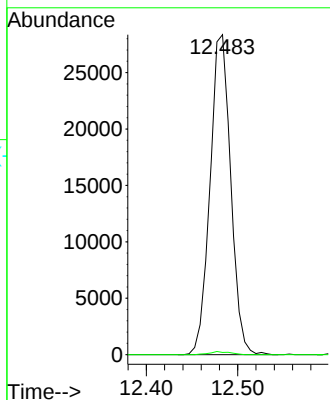
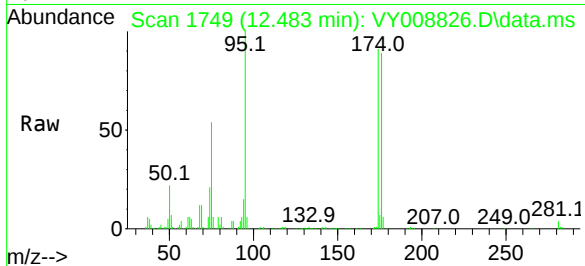




#76
1,2,3-Trichloropropane
Concen: 44.140 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY008826.D
Acq: 18 May 2022 20:00

Instrument :
MSVOA_Y
ClientSampleId :
P005-SS003-1824-01RE

Tgt Ion: 75 Resp: 44591
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.548 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008826.D
Acq: 18 May 2022 20:00

Tgt Ion: 75 Resp: 44591
Ion Ratio Lower Upper
75 100
53 0.4 85.3 127.9#
89 0.0 37.0 55.4#

