

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051922\
 Data File : VY008904.D
 Acq On : 20 May 2022 06:32
 Operator : KP/MD
 Sample : N2868-14
 Misc : 5.48g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P022-SS001-1824-01

Quant Time: May 20 08:22:31 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)

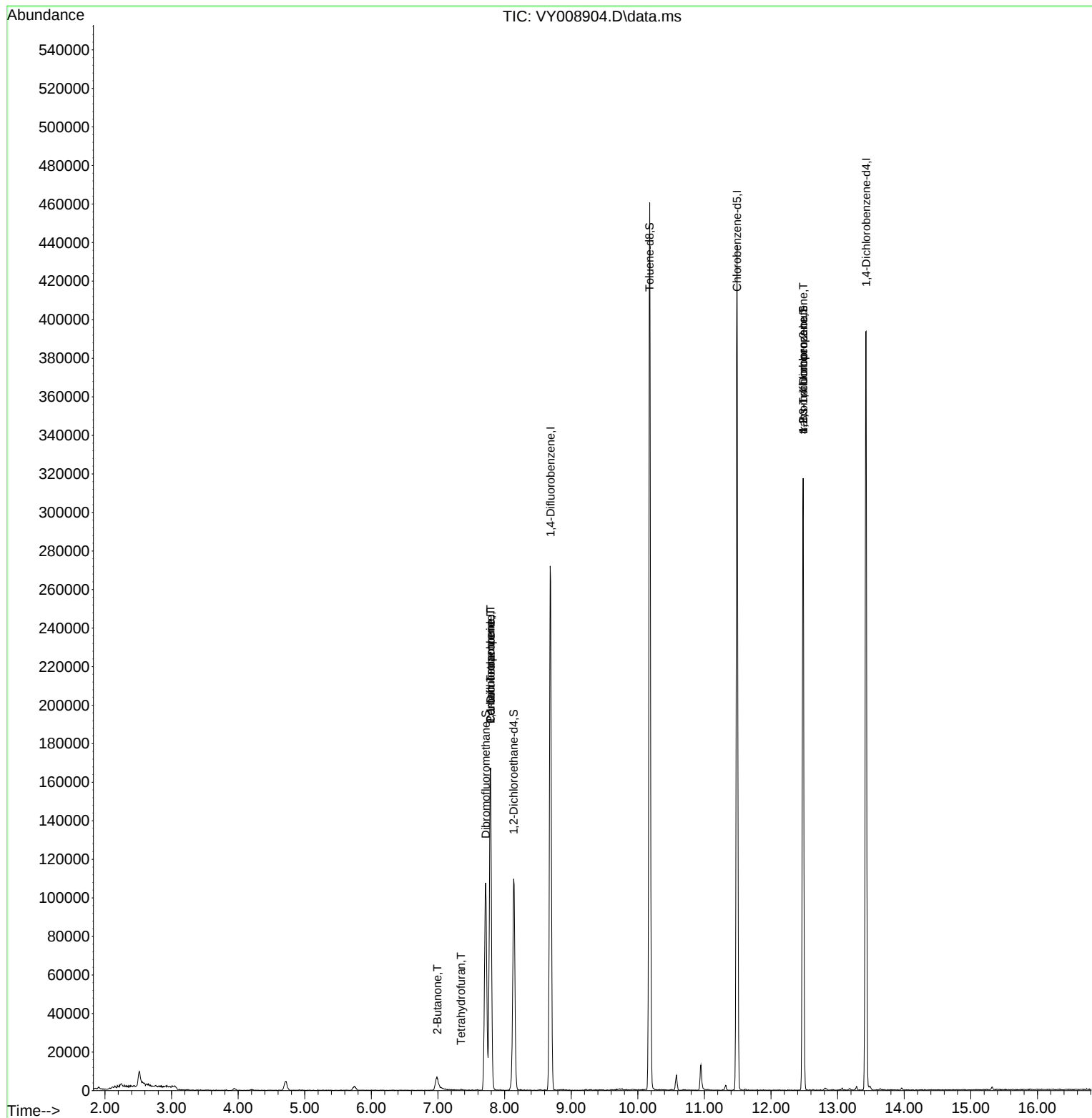
Internal Standards						
1) Pentafluorobenzene	7.789	168	128058	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	229314	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	220374	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	94609	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	80381	67.661	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	135.320%
35) Dibromofluoromethane	7.716	113	75037	56.005	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.000%
50) Toluene-d8	10.179	98	289285	48.665	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.320%
62) 4-Bromofluorobenzene	12.483	95	82747	39.705	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	79.420%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	647	Below Cal	#	64
3) Chloromethane	2.107	50	135	Below Cal	#	44
4) Vinyl Chloride	2.241	62	230	Below Cal	#	43
5) Bromomethane	2.643	94	137	Below Cal	#	4
6) Chloroethane	2.930	64	53	Below Cal	#	43
7) Trichlorofluoromethane	3.125	101	49	Below Cal		88
16) Acetone	3.948	43	1660	Below Cal		92
18) Methyl Acetate	4.253	43	20	Below Cal	#	56
20) Methylene Chloride	4.716	84	3765	Below Cal	#	74
25) 2-Butanone	6.990	43	549	1.101	ug/l #	54
29) Tetrahydrofuran	7.344	42	353	1.063	ug/l #	68
31) Cyclohexane	7.783	56	3083	Below Cal	#	4
36) 1,1-Dichloropropene	7.789	75	10876	5.068	ug/l #	52
38) Carbon Tetrachloride	7.789	117	12911	5.614	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	48296	44.192	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	48296	96.660	ug/l #	7

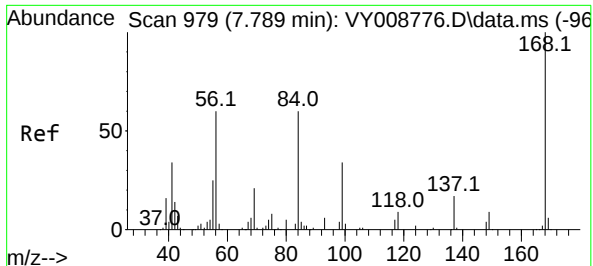
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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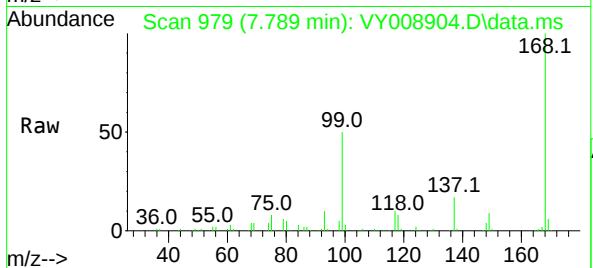
Quant Time: May 20 08:22:31 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
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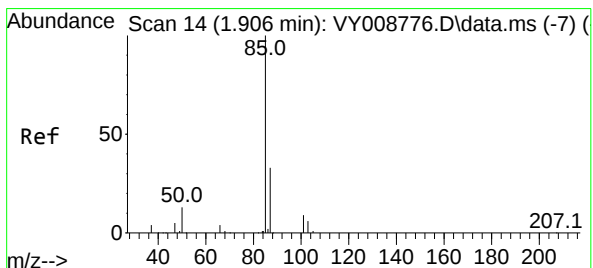
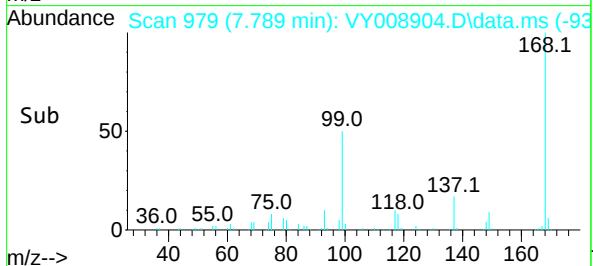
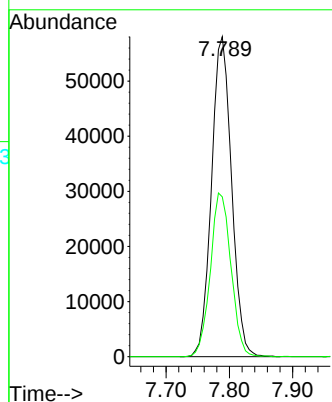


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008904.D
Acq: 20 May 2022 06:32

Instrument :
MSVOA_Y
ClientSampleId :
P022-SS001-1824-01

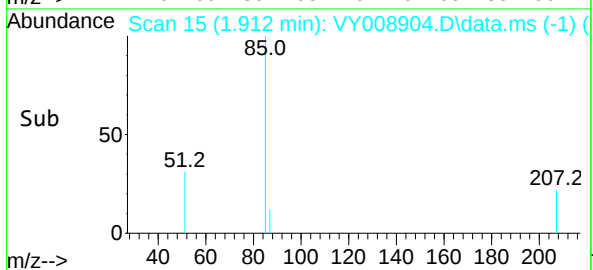
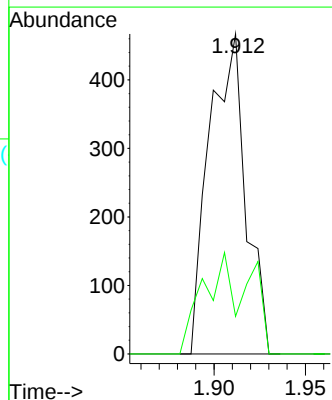
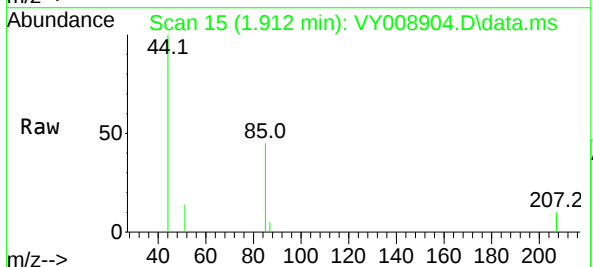


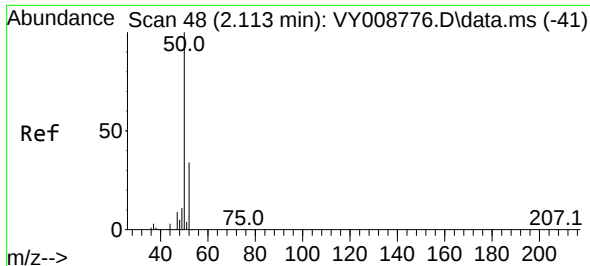
Tgt Ion:168 Resp: 128058
Ion Ratio Lower Upper
168 100
99 50.0 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY008904.D
Acq: 20 May 2022 06:32

Tgt Ion: 85 Resp: 647
Ion Ratio Lower Upper
85 100
87 11.8 16.1 48.2#

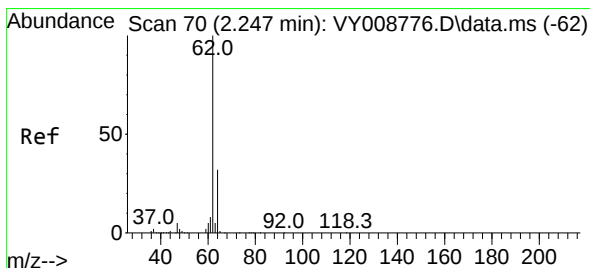
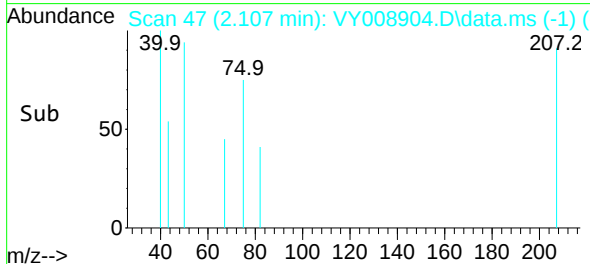
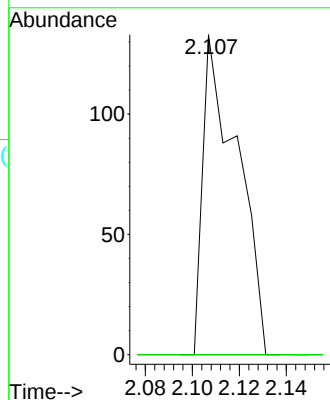
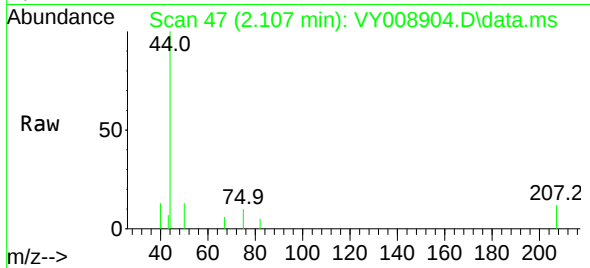




#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY008904.D
Acq: 20 May 2022 06:32

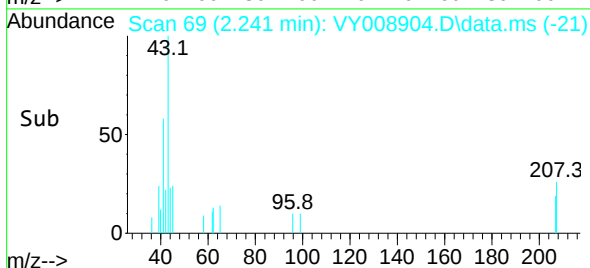
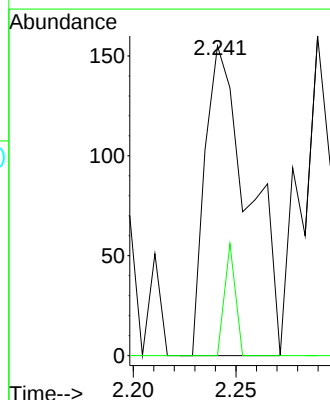
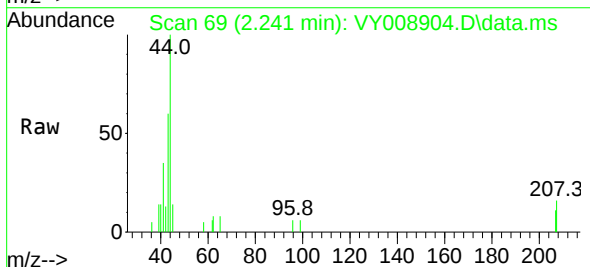
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS001-1824-01

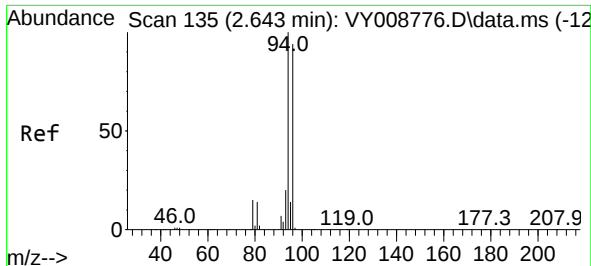
Tgt Ion: 50 Resp: 135
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.241 min Scan# 69
Delta R.T. -0.006 min
Lab File: VY008904.D
Acq: 20 May 2022 06:32

Tgt Ion: 62 Resp: 230
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

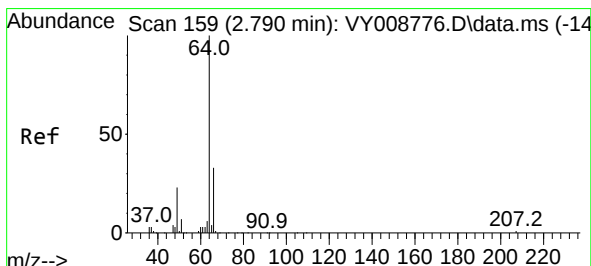
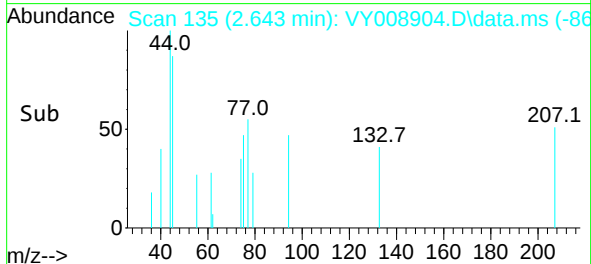
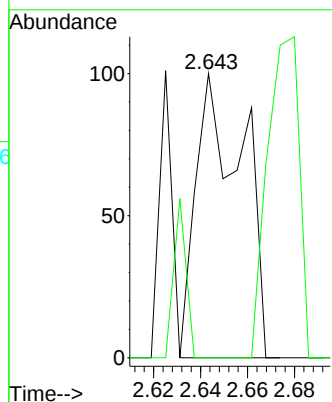
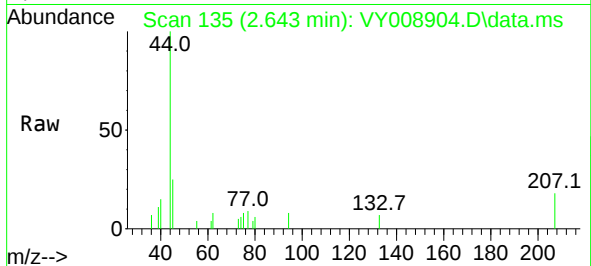




#5
Bromomethane
Concen: Below Cal
RT: 2.643 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY008904.D
Acq: 20 May 2022 06:32

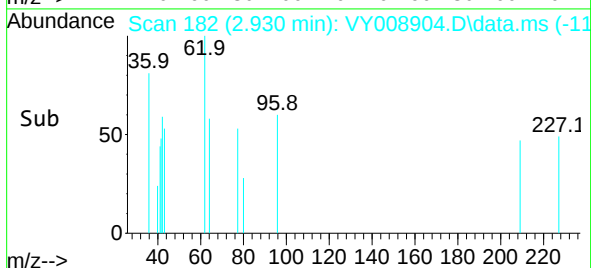
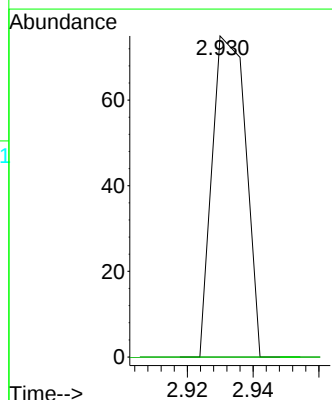
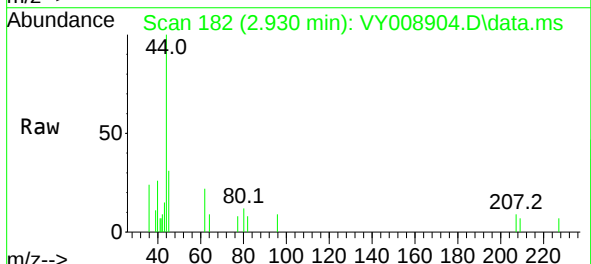
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS001-1824-01

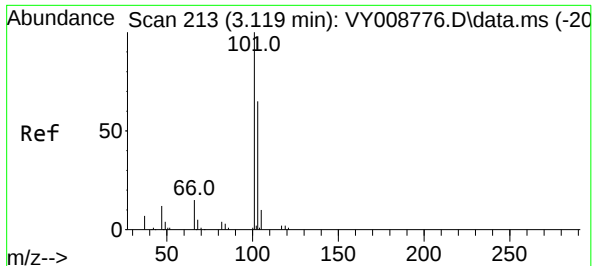
Tgt Ion: 94 Resp: 137
Ion Ratio Lower Upper
94 100
96 0.0 73.5 110.3#



#6
Chloroethane
Concen: Below Cal
RT: 2.930 min Scan# 182
Delta R.T. 0.140 min
Lab File: VY008904.D
Acq: 20 May 2022 06:32

Tgt Ion: 64 Resp: 53
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

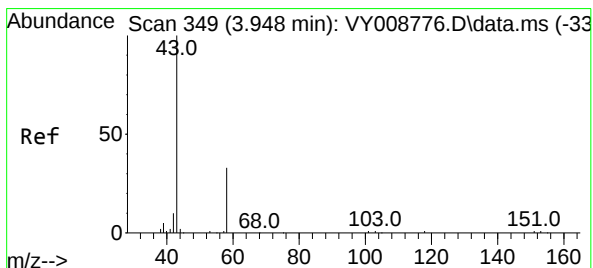
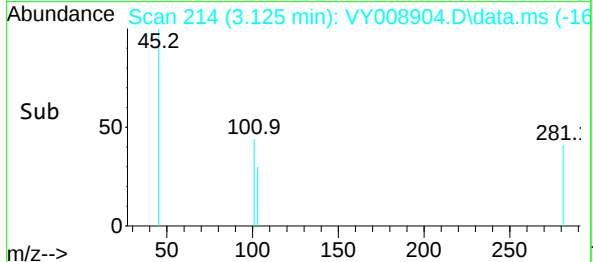
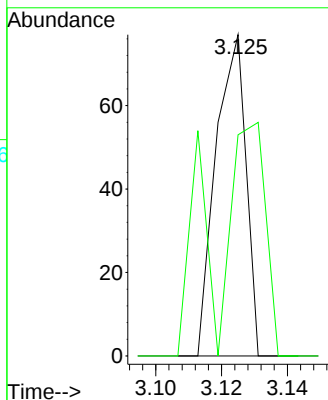
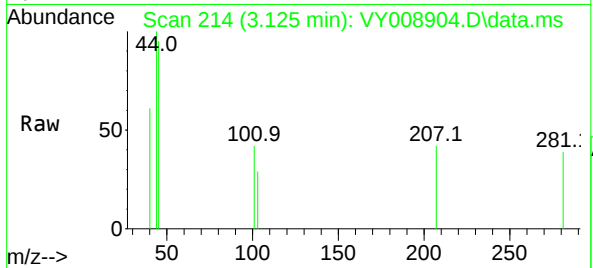




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.125 min Scan# 213
Delta R.T. 0.006 min
Lab File: VY008904.D
Acq: 20 May 2022 06:32

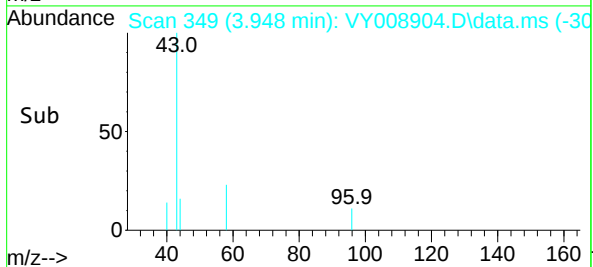
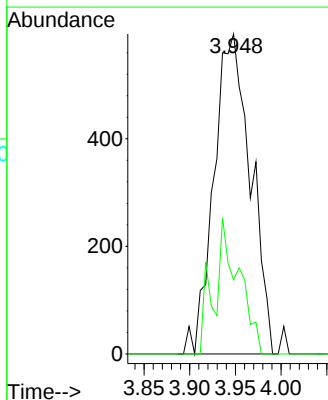
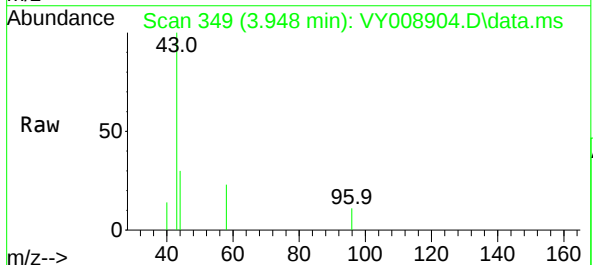
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS001-1824-01

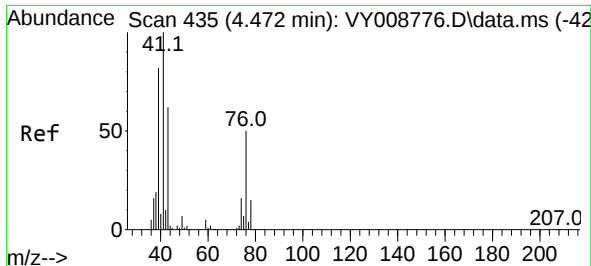
Tgt Ion:101 Resp: 49
Ion Ratio Lower Upper
101 100
103 68.8 48.0 72.0



#16
Acetone
Concen: Below Cal
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY008904.D
Acq: 20 May 2022 06:32

Tgt Ion: 43 Resp: 1660
Ion Ratio Lower Upper
43 100
58 23.2 22.0 33.0

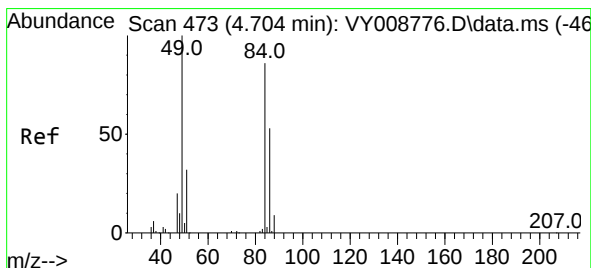
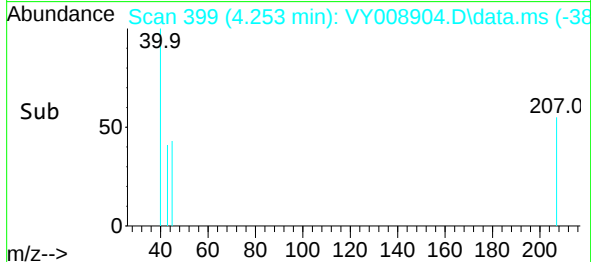
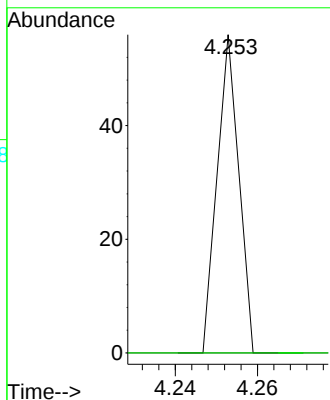
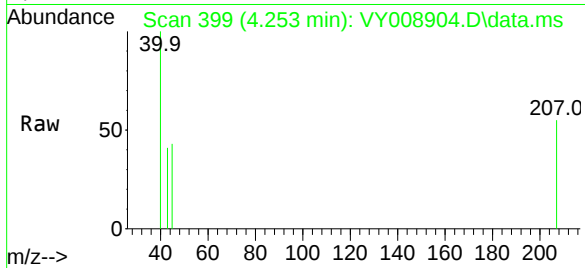




#18
Methyl Acetate
Concen: Below Cal
RT: 4.253 min Scan# 399
Delta R.T. -0.219 min
Lab File: VY008904.D
Acq: 20 May 2022 06:32

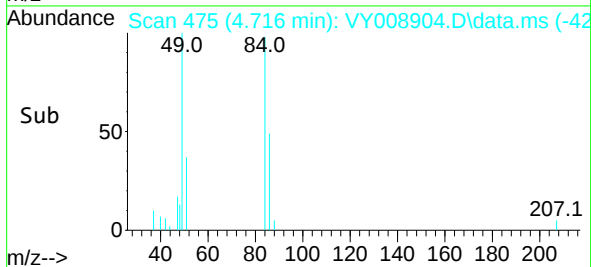
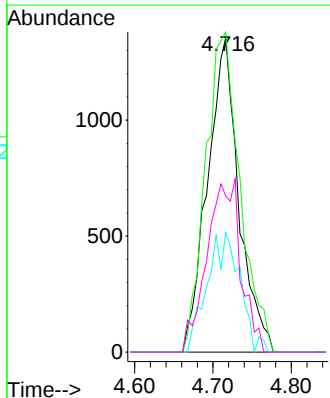
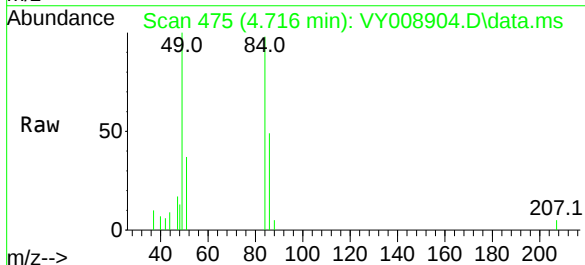
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS001-1824-01

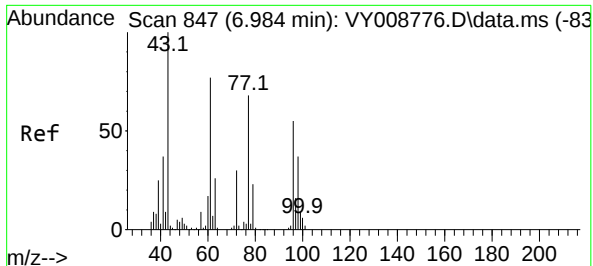
Tgt Ion: 43 Resp: 20
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY008904.D
Acq: 20 May 2022 06:32

Tgt Ion: 84 Resp: 3765
Ion Ratio Lower Upper
84 100
49 101.8 114.4 171.6#
51 37.9 35.3 52.9
86 49.7 53.7 80.5#

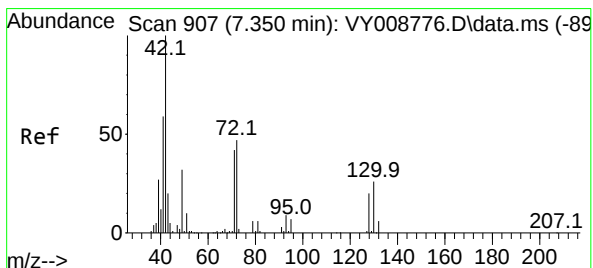
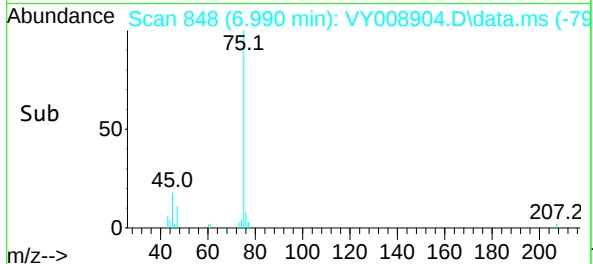
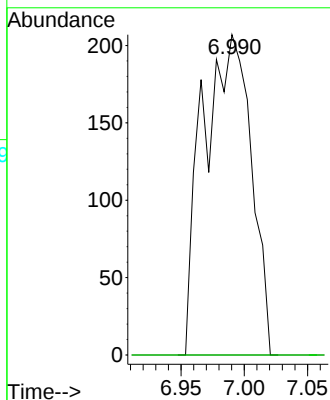
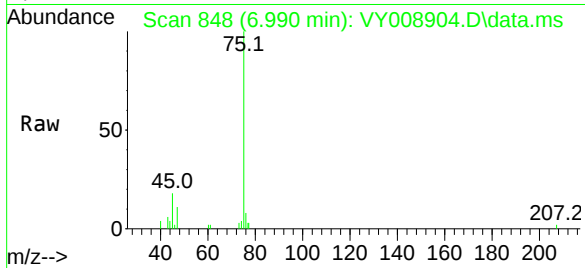




#25
2-Butanone
Concen: 1.101 ug/l
RT: 6.990 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY008904.D
Acq: 20 May 2022 06:32

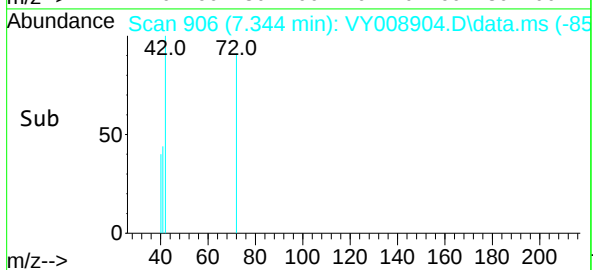
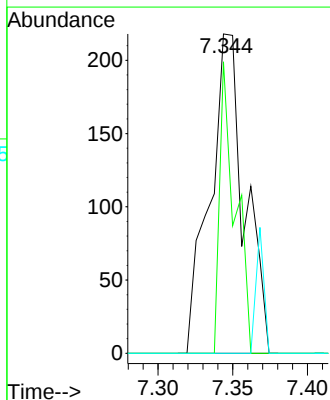
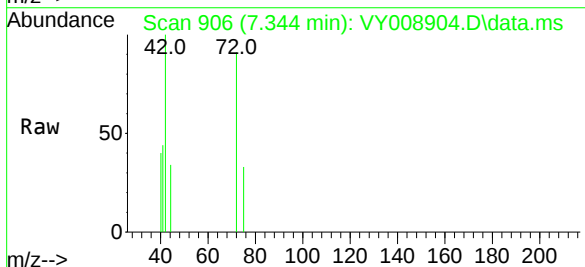
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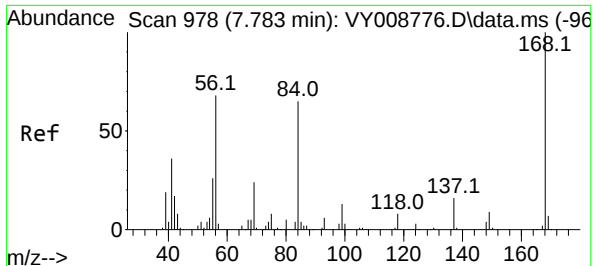
Tgt Ion: 43 Resp: 549
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#29
Tetrahydrofuran
Concen: 1.063 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY008904.D
Acq: 20 May 2022 06:32

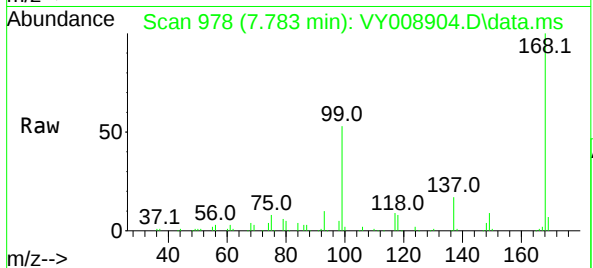
Tgt Ion: 42 Resp: 353
Ion Ratio Lower Upper
42 100
72 40.8 30.3 45.5
71 0.0 29.0 43.4#



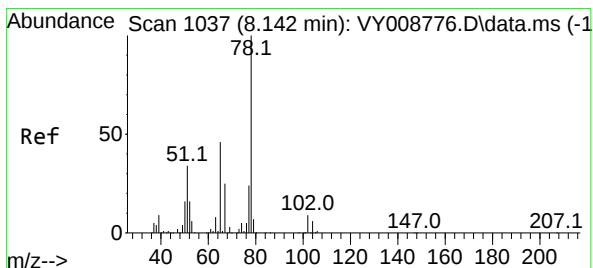
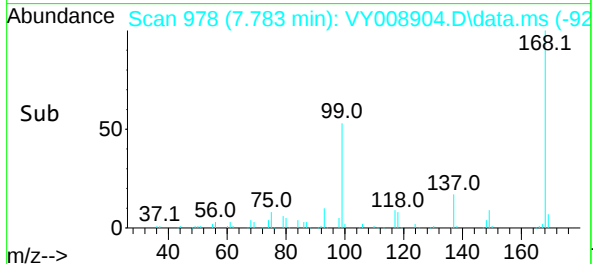
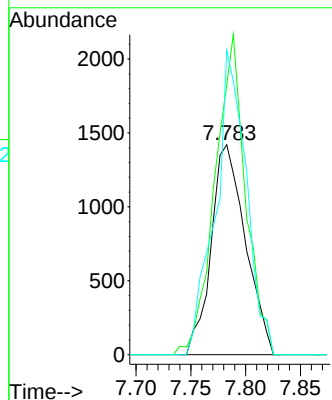


#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008904.D
Acq: 20 May 2022 06:32

Instrument :
MSVOA_Y
ClientSampleId :
P022-SS001-1824-01

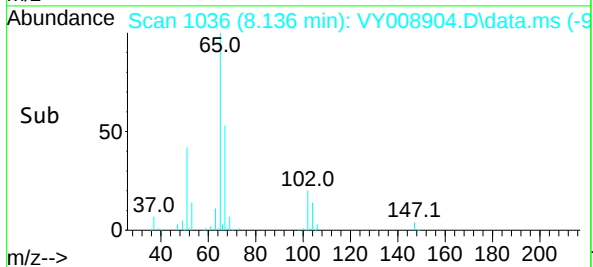
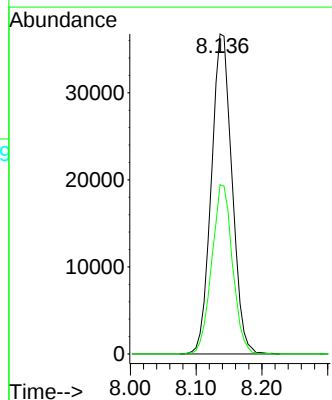
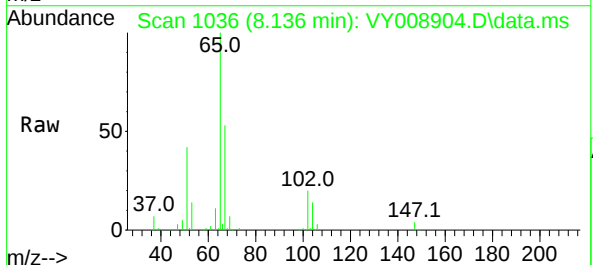


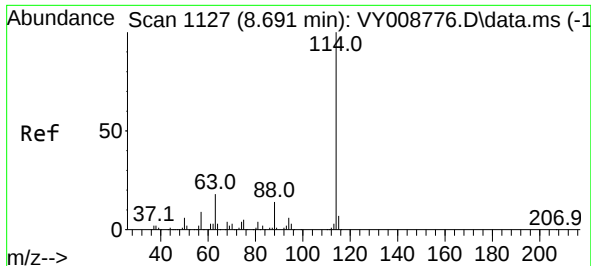
Tgt Ion: 56 Resp: 3083
Ion Ratio Lower Upper
56 100
69 128.5 26.7 40.1#
84 144.9 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 67.661 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY008904.D
Acq: 20 May 2022 06:32

Tgt Ion: 65 Resp: 80381
Ion Ratio Lower Upper
65 100
67 53.0 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: VY008904.D

Acq: 20 May 2022 06:32

Instrument :

MSVOA_Y

ClientSampleId :

P022-SS001-1824-01

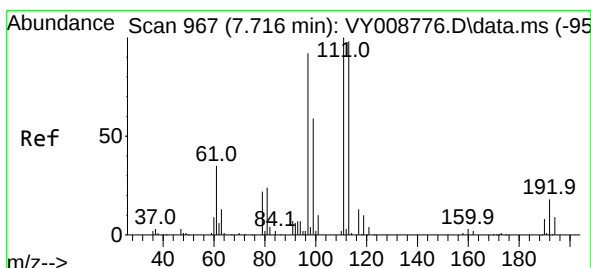
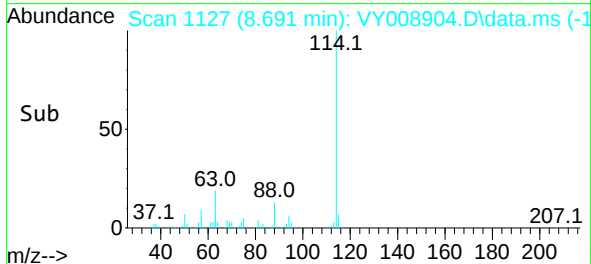
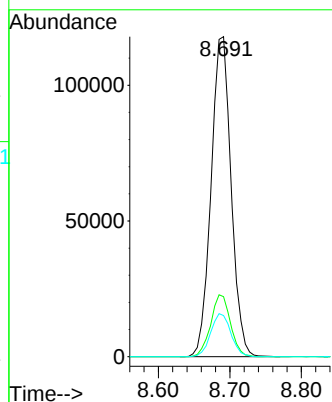
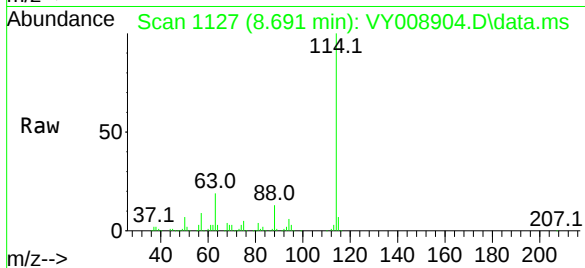
Tgt Ion:114 Resp: 229314

Ion Ratio Lower Upper

114 100

63 18.7 0.0 43.2

88 12.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 56.005 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY008904.D

Acq: 20 May 2022 06:32

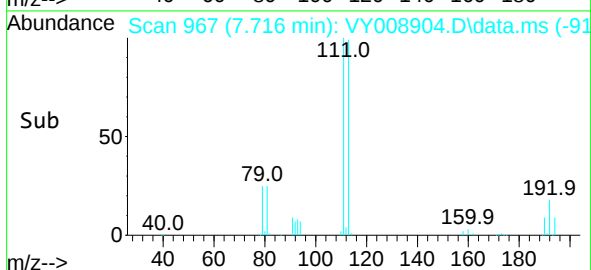
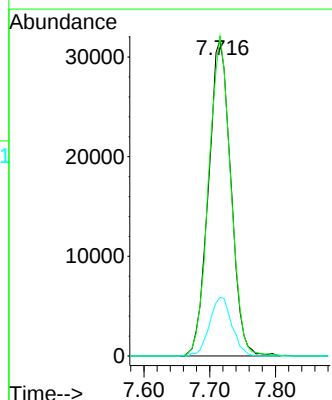
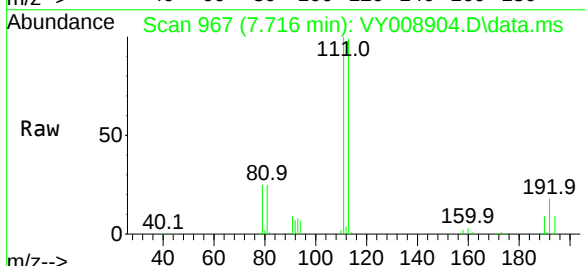
Tgt Ion:113 Resp: 75037

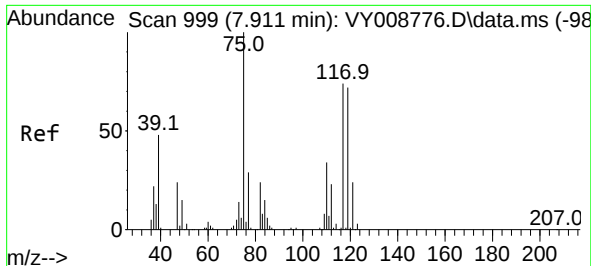
Ion Ratio Lower Upper

113 100

111 99.5 82.6 124.0

192 18.5 17.6 26.4

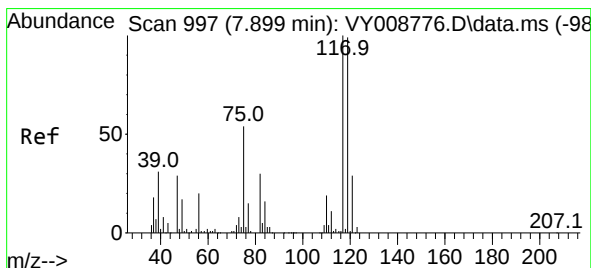
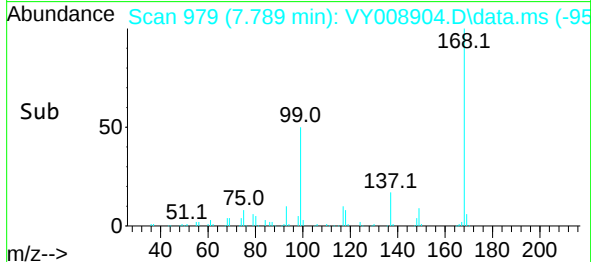
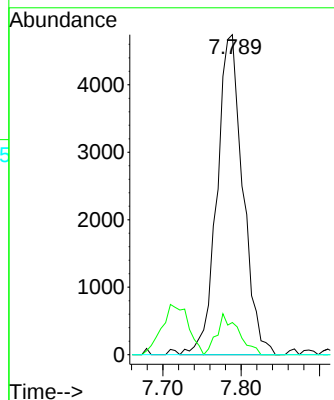
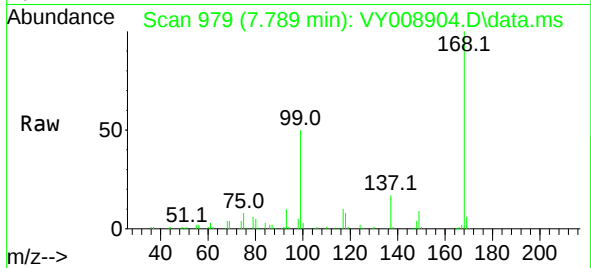




#36
1,1-Dichloropropene
Concen: 5.068 ug/l
RT: 7.789 min Scan# 911
Delta R.T. -0.122 min
Lab File: VY008904.D
Acq: 20 May 2022 06:32

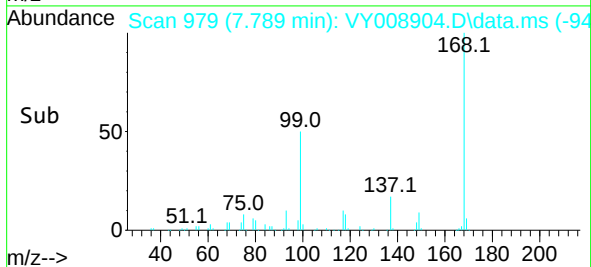
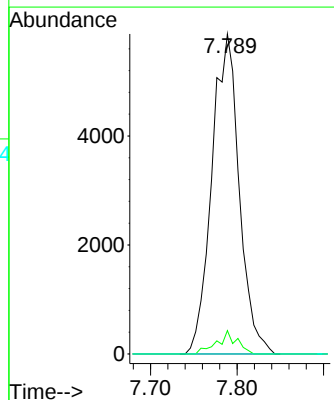
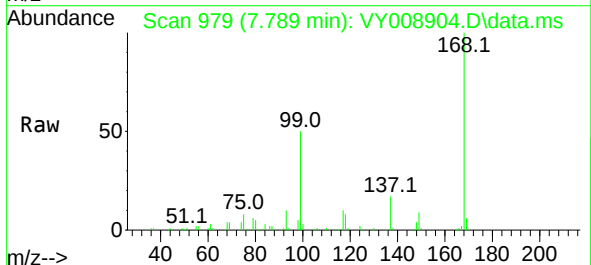
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS001-1824-01

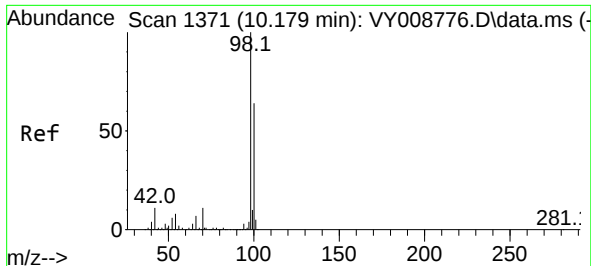
Tgt Ion: 75 Resp: 10876
Ion Ratio Lower Upper
75 100
110 10.7 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.614 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY008904.D
Acq: 20 May 2022 06:32

Tgt Ion: 117 Resp: 12911
Ion Ratio Lower Upper
117 100
119 7.3 77.9 116.9#
121 0.0 24.8 37.2#

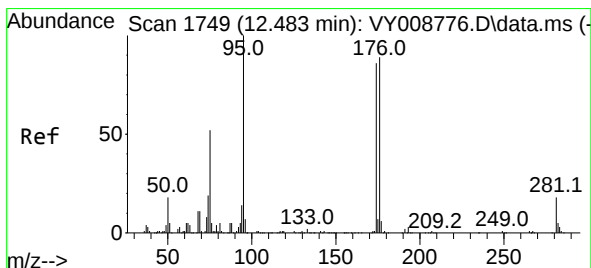
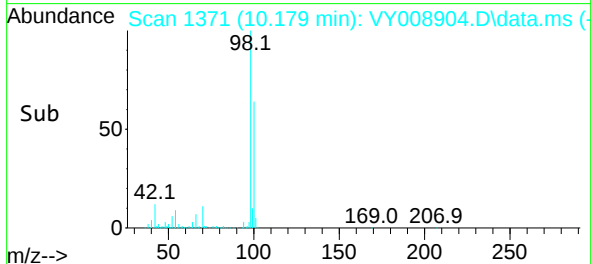
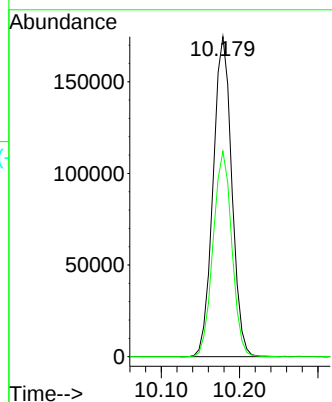
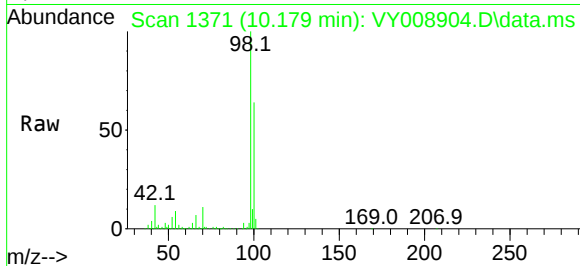




#50
Toluene-d8
Concen: 48.665 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008904.D
Acq: 20 May 2022 06:32

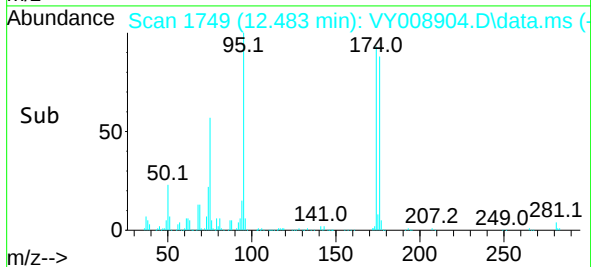
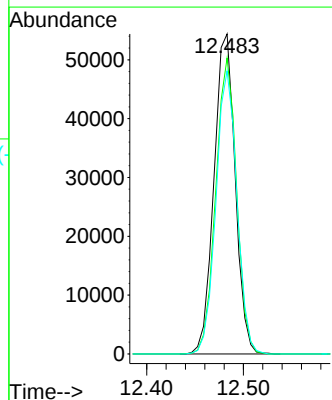
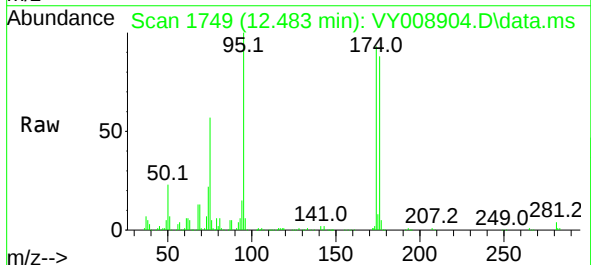
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS001-1824-01

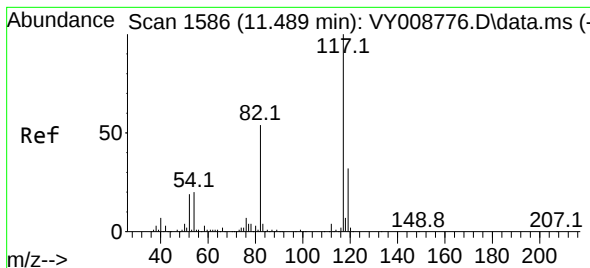
Tgt Ion: 98 Resp: 289285
Ion Ratio Lower Upper
98 100
100 64.2 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 39.705 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008904.D
Acq: 20 May 2022 06:32

Tgt Ion: 95 Resp: 82747
Ion Ratio Lower Upper
95 100
174 90.9 0.0 177.0
176 87.5 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY008904.D

Acq: 20 May 2022 06:32

Instrument :

MSVOA_Y

ClientSampleId :

P022-SS001-1824-01

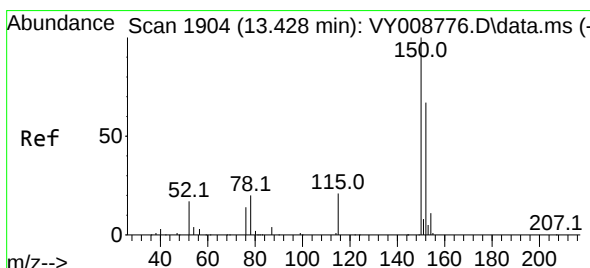
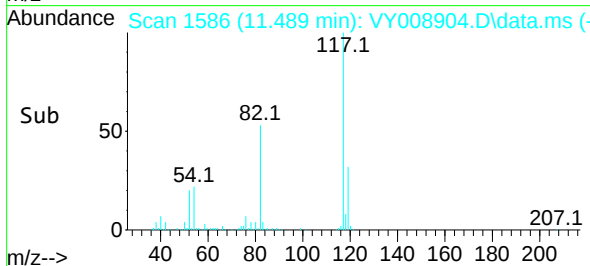
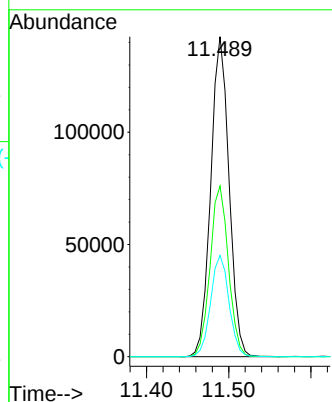
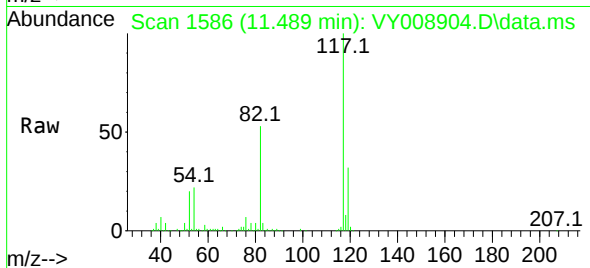
Tgt Ion:117 Resp: 220374

Ion Ratio Lower Upper

117 100

82 53.3 43.0 64.4

119 31.6 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: VY008904.D

Acq: 20 May 2022 06:32

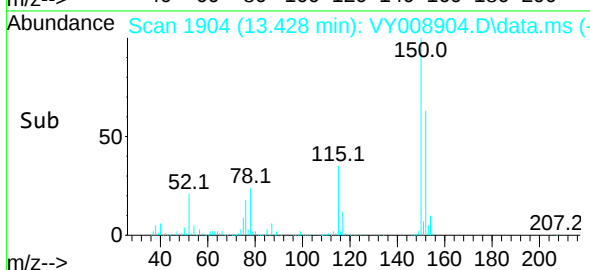
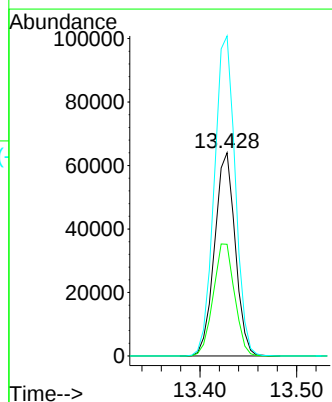
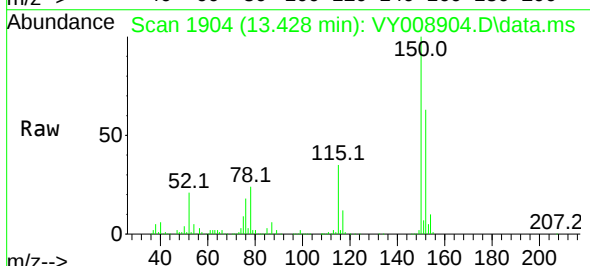
Tgt Ion:152 Resp: 94609

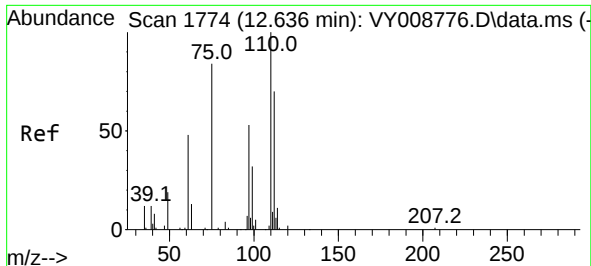
Ion Ratio Lower Upper

152 100

115 57.1 28.2 84.7

150 160.2 0.0 347.6

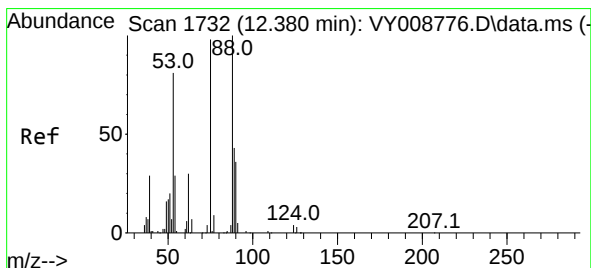
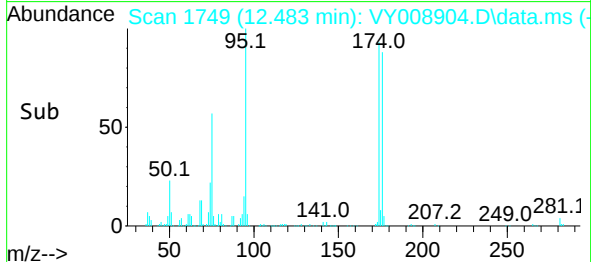
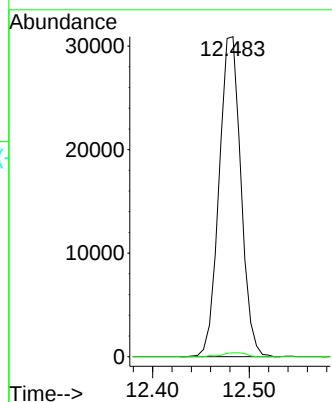
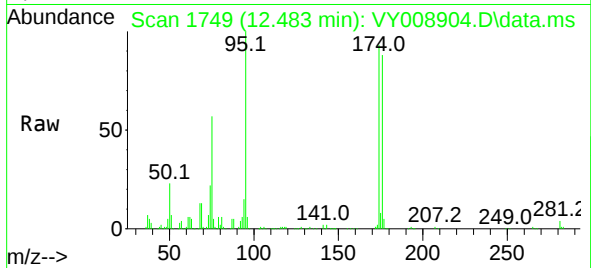




#76
1,2,3-Trichloropropane
Concen: 44.192 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY008904.D
Acq: 20 May 2022 06:32

Instrument :
MSVOA_Y
ClientSampleId :
P022-SS001-1824-01

Tgt Ion: 75 Resp: 48296
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.660 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008904.D
Acq: 20 May 2022 06:32

Tgt Ion: 75 Resp: 48296
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

