

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102822\
 Data File : VY011184.D
 Acq On : 29 Oct 2022 03:07
 Operator : KP/MD
 Sample : N5310-08
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BIN 1-2-(2840)-VOC-4

Quant Time: Oct 29 06:47:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 28 23:42:14 2022
 Response via : Initial Calibration

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

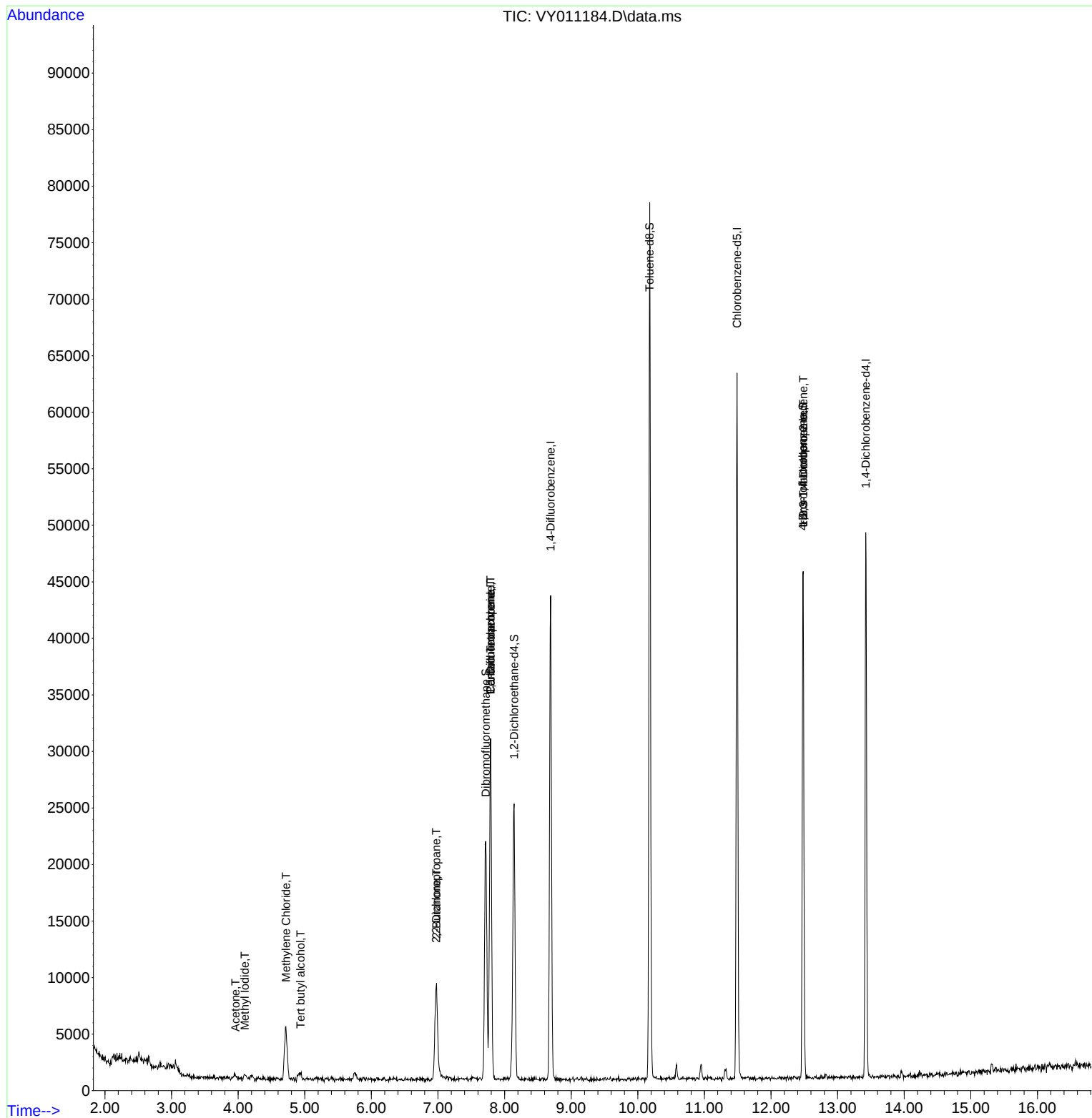
Internal Standards						
1) Pentafluorobenzene	7.789	168	23329	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	38820	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	35266	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	13094	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	18406	76.302	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 152.600%			
35) Dibromofluoromethane	7.716	113	15924	66.703	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 133.400%			
50) Toluene-d8	10.179	98	51244	54.183	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.360%			
62) 4-Bromofluorobenzene	12.477	95	14533	46.962	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.920%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	146	Below Cal	#	82
4) Vinyl Chloride	2.418	62	19	Below Cal	#	43
5) Bromomethane	2.656	94	321	Below Cal		92
6) Chloroethane	2.747	64	20	Below Cal	#	43
10) Methyl Iodide	4.100	142	521	2.284	ug/l #	47
11) Tert butyl alcohol	4.936	59	786	29.910	ug/l #	77
16) Acetone	3.960	43	683	11.572	ug/l #	47
18) Methyl Acetate	4.204	43	24	Below Cal	#	56
20) Methylene Chloride	4.716	84	3621	9.376	ug/l #	81
25) 2-Butanone	6.978	43	448	5.295	ug/l #	54
26) 2,2-Dichloropropane	6.972	77	661	1.789	ug/l #	55
31) Cyclohexane	7.783	56	447	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	1776	5.706	ug/l #	45
38) Carbon Tetrachloride	7.789	117	2316	6.832	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	6885	50.575	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	6885	107.405	ug/l #	7

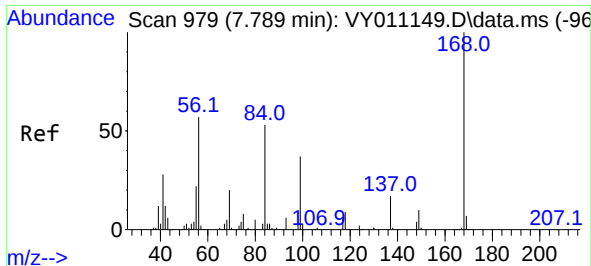
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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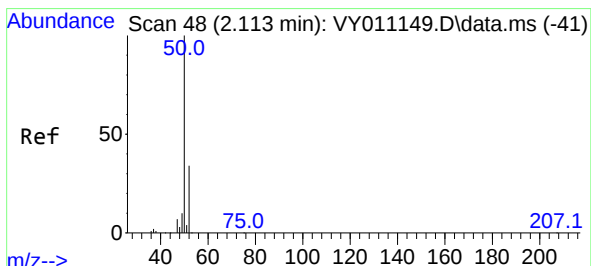
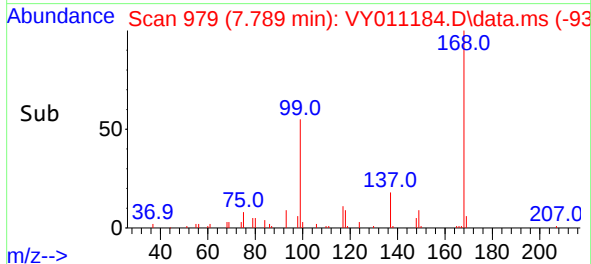
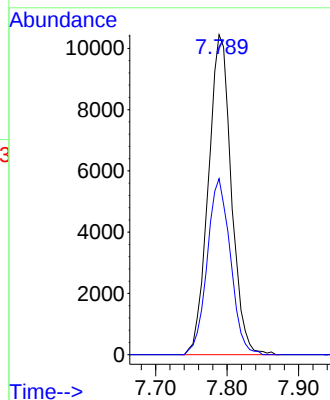
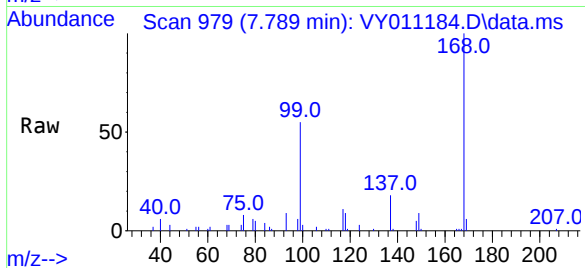




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011184.D
Acq: 29 Oct 2022 03:07

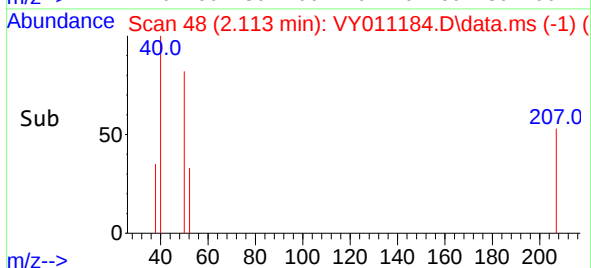
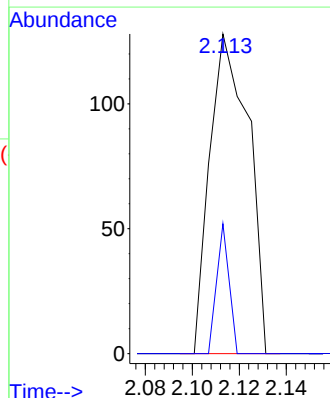
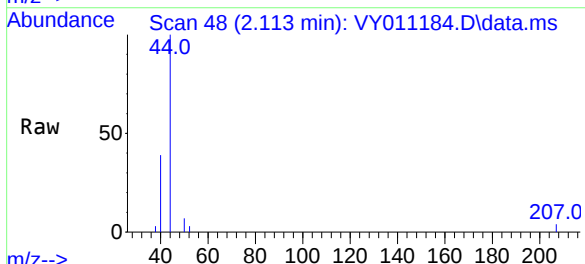
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-4

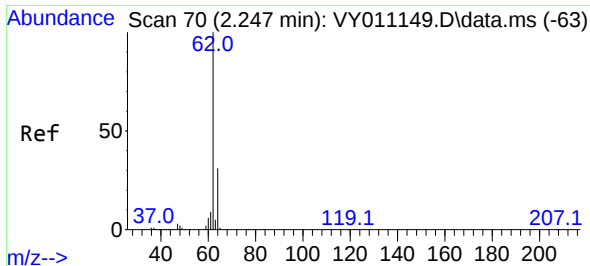
Tgt Ion:168 Resp: 23329
Ion Ratio Lower Upper
168 100
99 55.0 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY011184.D
Acq: 29 Oct 2022 03:07

Tgt Ion: 50 Resp: 146
Ion Ratio Lower Upper
50 100
52 40.6 24.6 37.0#

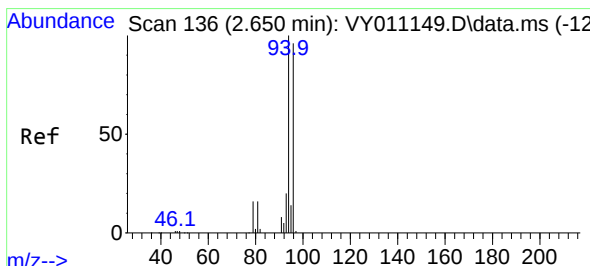
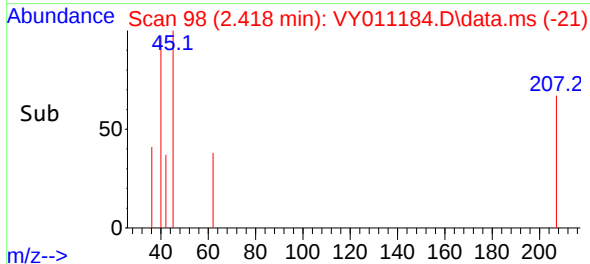
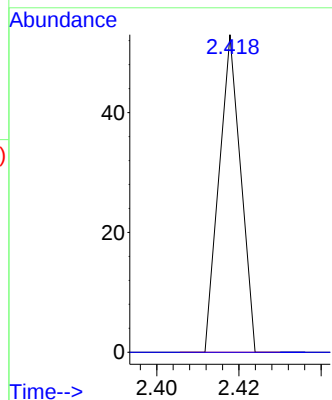
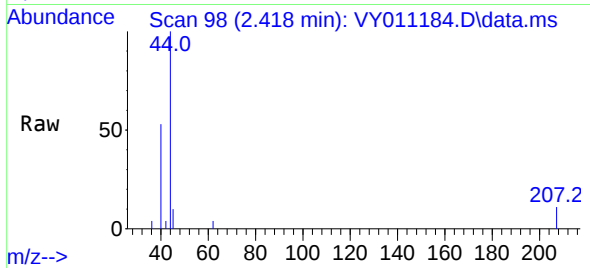




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.418 min Scan# 91
 Delta R.T. 0.171 min
 Lab File: VY011184.D
 Acq: 29 Oct 2022 03:07

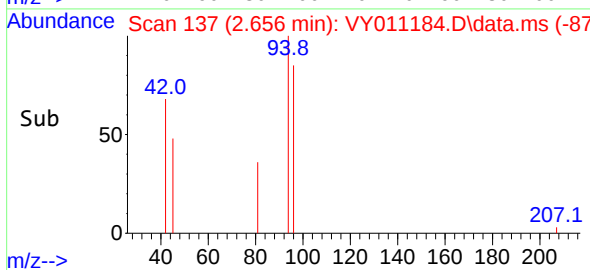
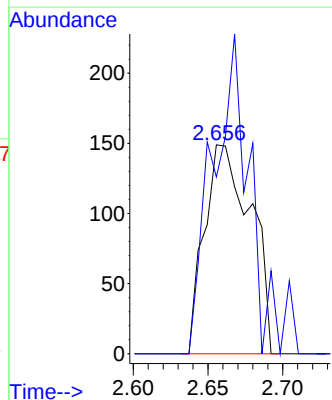
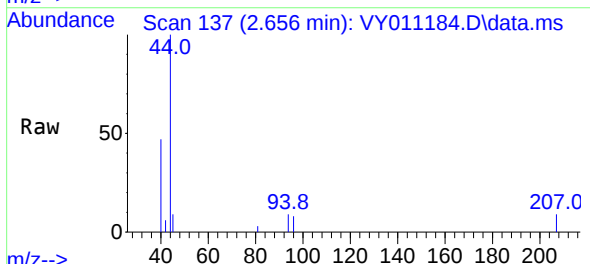
Instrument :
 MSVOA_Y
 ClientSampleId :
 BIN 1-2-(2840)-VOC-4

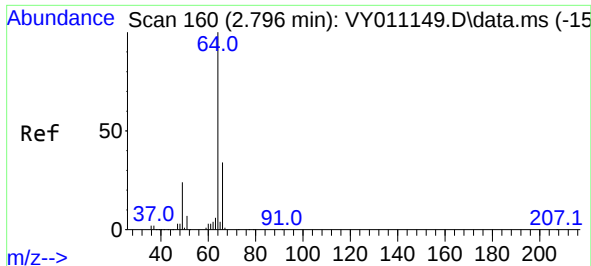
Tgt Ion: 62 Resp: 19
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.656 min Scan# 137
 Delta R.T. 0.006 min
 Lab File: VY011184.D
 Acq: 29 Oct 2022 03:07

Tgt Ion: 94 Resp: 321
 Ion Ratio Lower Upper
 94 100
 96 84.6 73.5 110.3

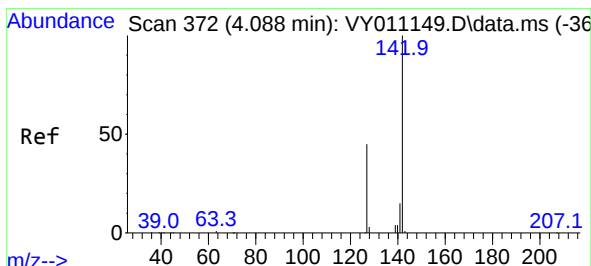
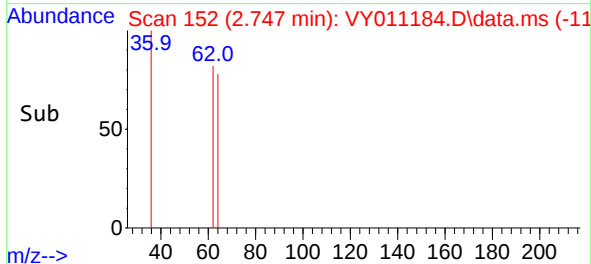
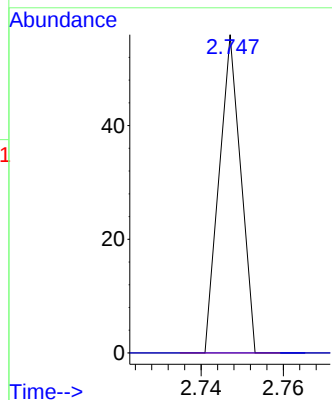
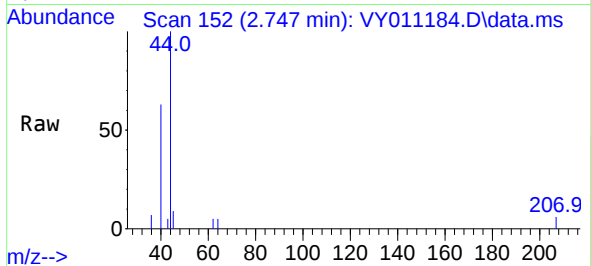




#6
Chloroethane
Concen: Below Cal
RT: 2.747 min Scan# 11
Delta R.T. -0.049 min
Lab File: VY011184.D
Acq: 29 Oct 2022 03:07

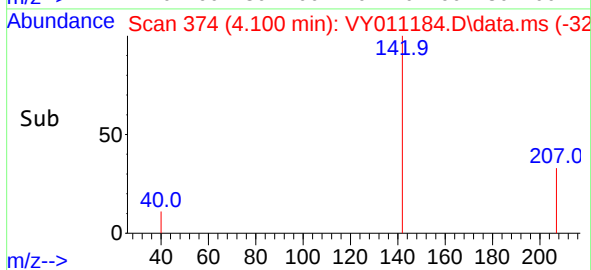
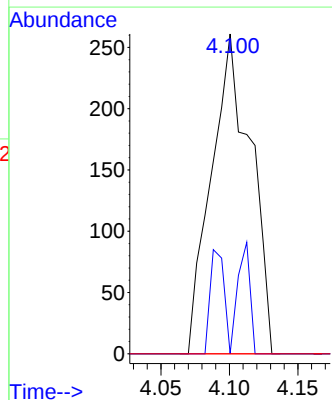
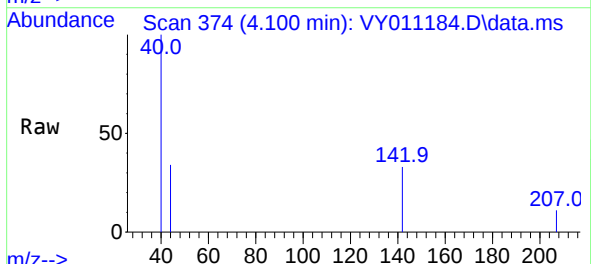
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-4

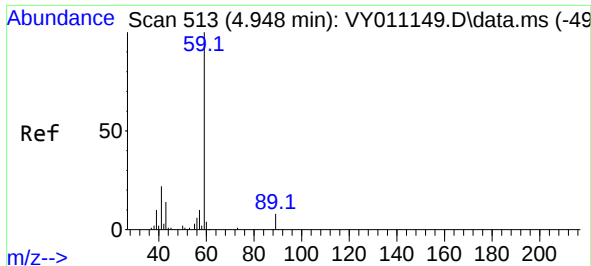
Tgt Ion: 64 Resp: 20
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 2.284 ug/l
RT: 4.100 min Scan# 374
Delta R.T. 0.012 min
Lab File: VY011184.D
Acq: 29 Oct 2022 03:07

Tgt Ion: 142 Resp: 521
Ion Ratio Lower Upper
142 100
127 10.9 41.5 62.3#
141 0.0 11.9 17.9#





#11

Tert butyl alcohol

Concen: 29.910 ug/l

RT: 4.936 min Scan# 511

Delta R.T. -0.012 min

Lab File: VY011184.D

Acq: 29 Oct 2022 03:07

Instrument :

MSVOA_Y

ClientSampleId :

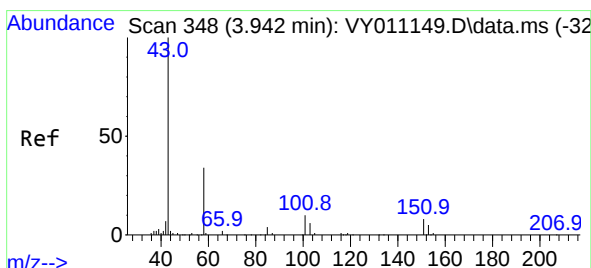
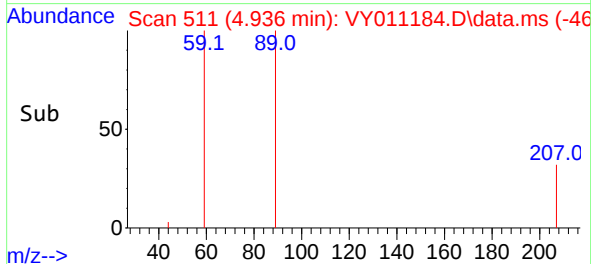
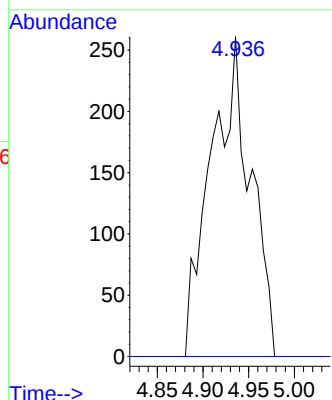
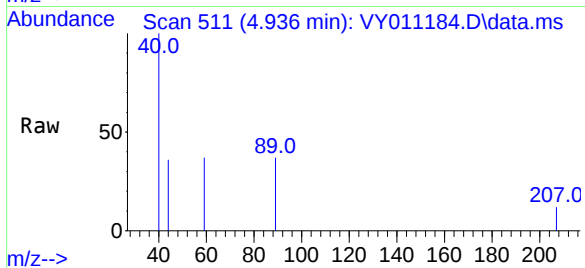
BIN 1-2-(2840)-VOC-4

Tgt Ion: 59 Resp: 786

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 11.572 ug/l

RT: 3.960 min Scan# 351

Delta R.T. 0.018 min

Lab File: VY011184.D

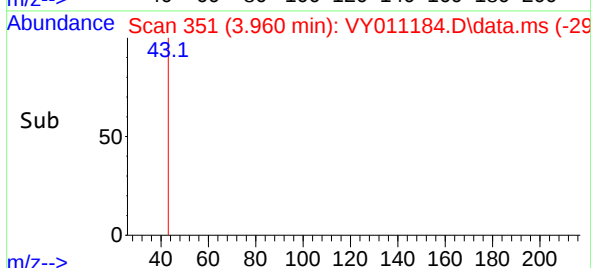
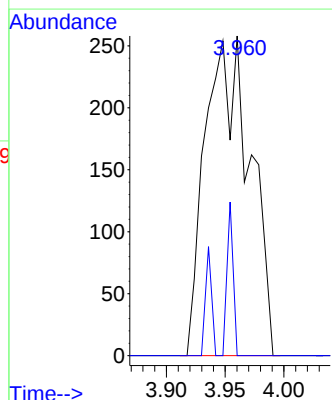
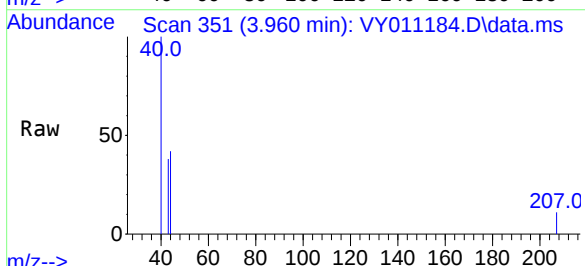
Acq: 29 Oct 2022 03:07

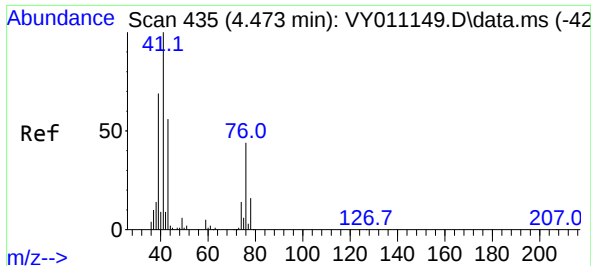
Tgt Ion: 43 Resp: 683

Ion Ratio Lower Upper

43 100

58 0.0 22.0 33.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.204 min Scan# 391

Delta R.T. -0.269 min

Lab File: VY011184.D

Acq: 29 Oct 2022 03:07

Instrument :

MSVOA_Y

ClientSampleId :

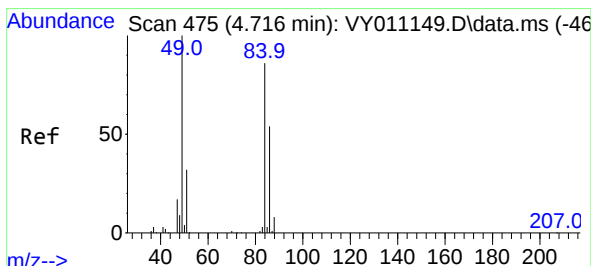
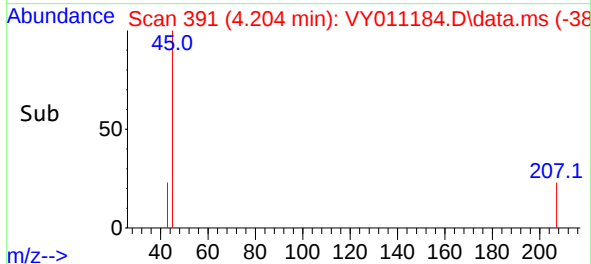
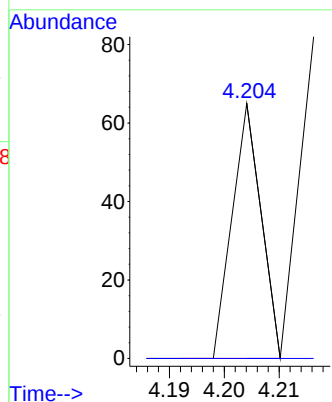
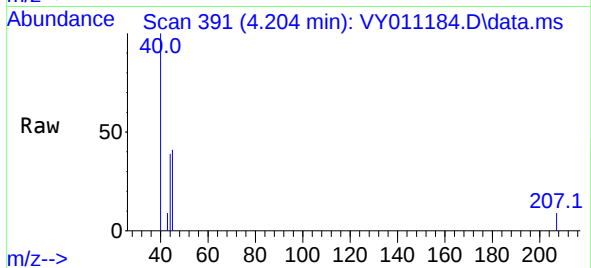
BIN 1-2-(2840)-VOC-4

Tgt Ion: 43 Resp: 24

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: 9.376 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY011184.D

Acq: 29 Oct 2022 03:07

Tgt Ion: 84 Resp: 3621

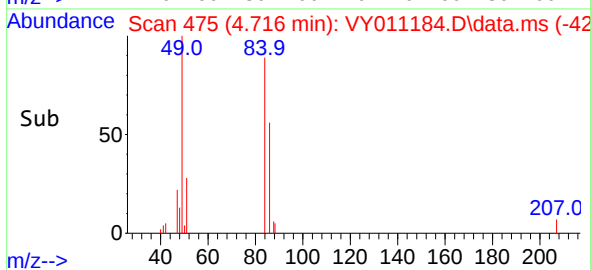
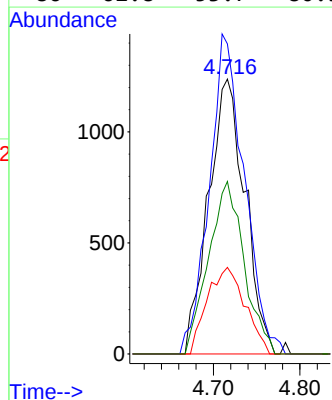
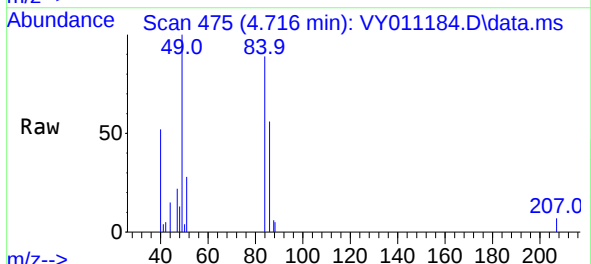
Ion Ratio Lower Upper

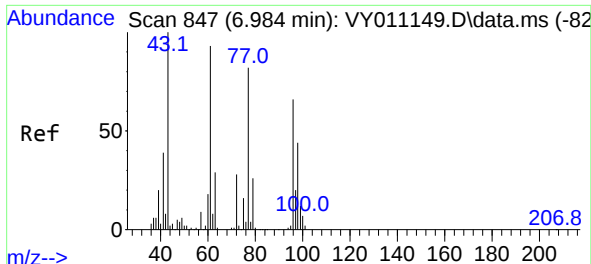
84 100

49 112.8 114.4 171.6#

51 31.5 35.3 52.9#

86 62.8 53.7 80.5

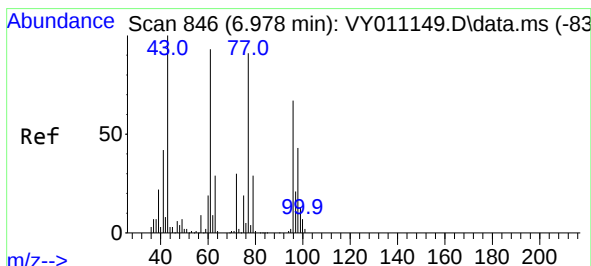
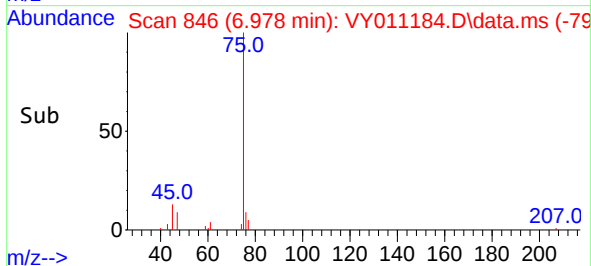
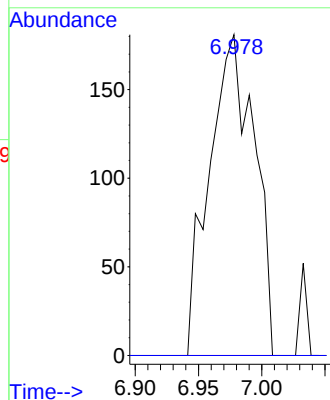
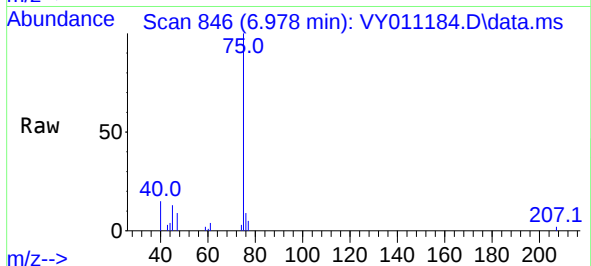




#25
2-Butanone
Concen: 5.295 ug/l
RT: 6.978 min Scan# 844
Delta R.T. -0.006 min
Lab File: VY011184.D
Acq: 29 Oct 2022 03:07

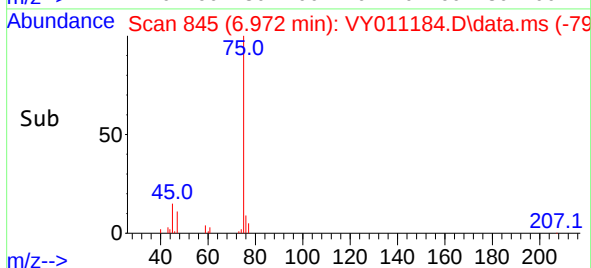
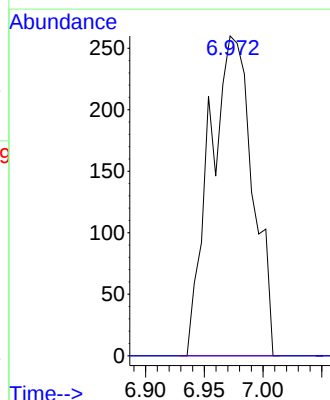
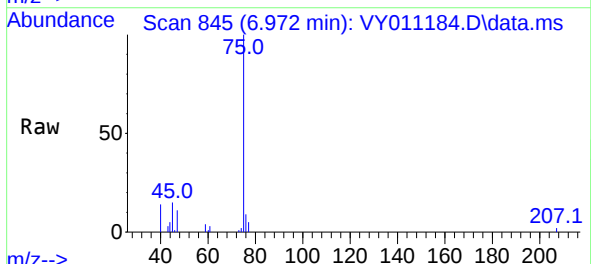
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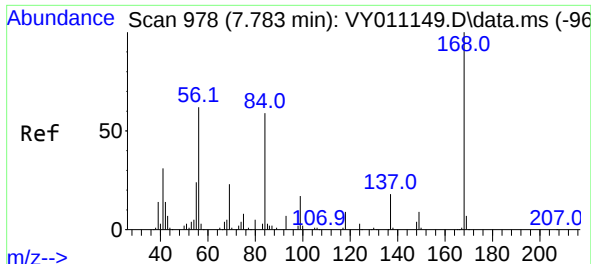
Tgt Ion: 43 Resp: 448
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#26
2,2-Dichloropropane
Concen: 1.789 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY011184.D
Acq: 29 Oct 2022 03:07

Tgt Ion: 77 Resp: 661
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#

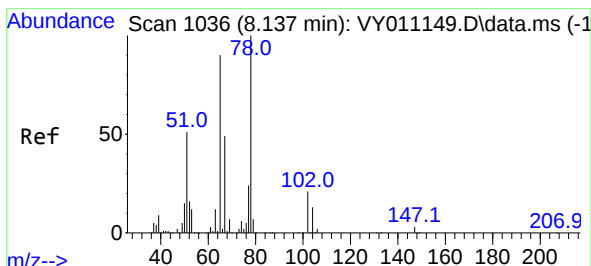
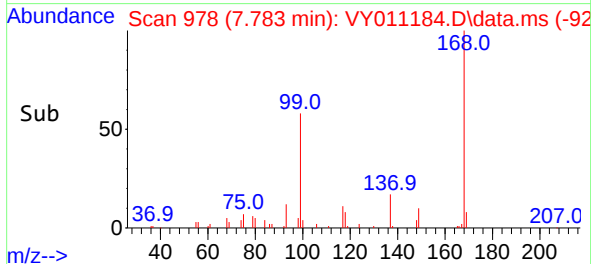
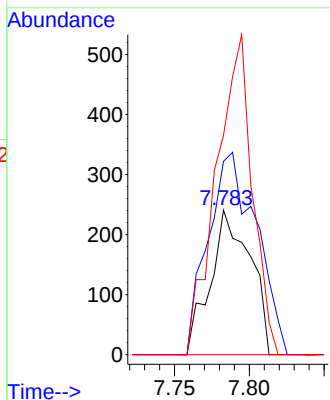
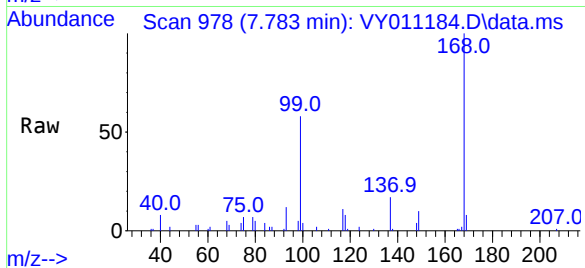




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011184.D
Acq: 29 Oct 2022 03:07

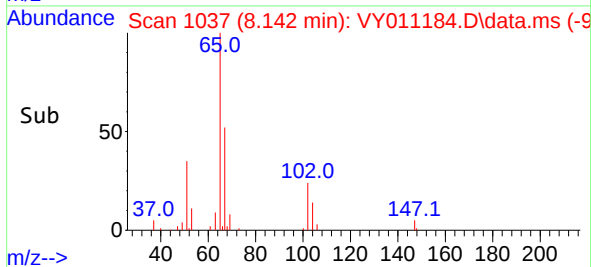
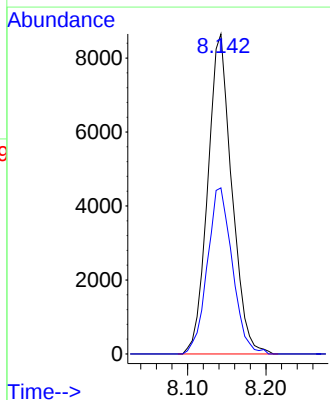
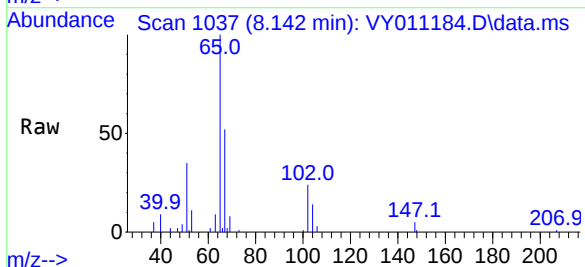
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BIN 1-2-(2840)-VOC-4

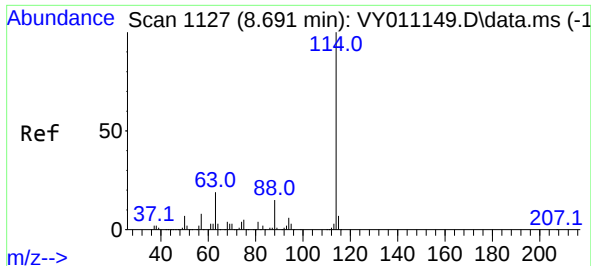
Tgt Ion: 56 Resp: 447
Ion Ratio Lower Upper
56 100
69 133.6 26.7 40.1#
84 151.5 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 76.302 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.005 min
Lab File: VY011184.D
Acq: 29 Oct 2022 03:07

Tgt Ion: 65 Resp: 18406
Ion Ratio Lower Upper
65 100
67 54.1 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: VY011184.D

Acq: 29 Oct 2022 03:07

Instrument :

MSVOA_Y

ClientSampleId :

BIN 1-2-(2840)-VOC-4

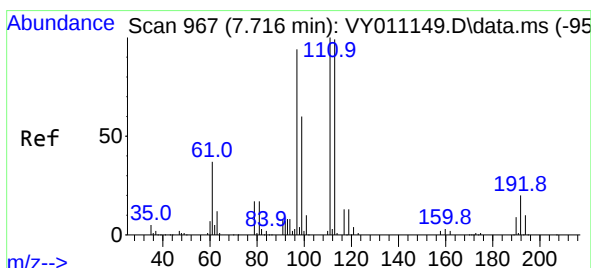
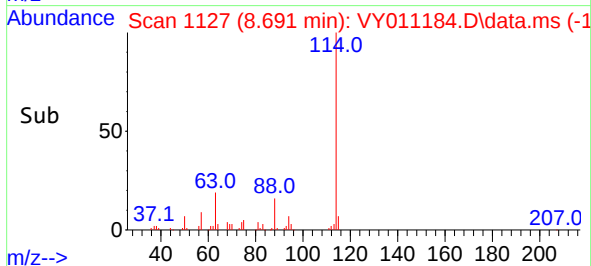
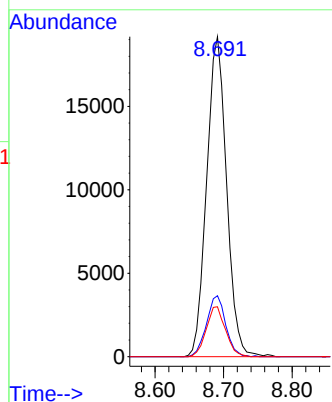
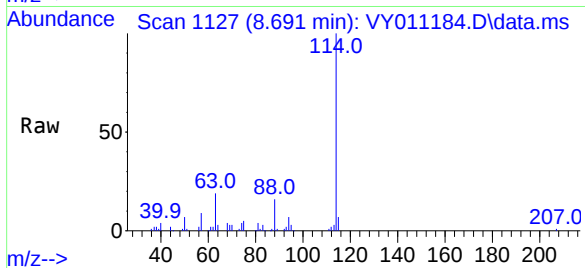
Tgt Ion:114 Resp: 38820

Ion Ratio Lower Upper

114 100

63 19.0 0.0 43.2

88 15.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 66.703 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011184.D

Acq: 29 Oct 2022 03:07

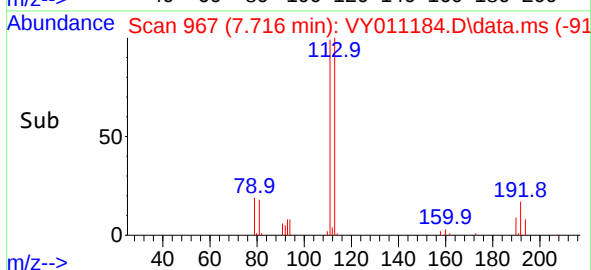
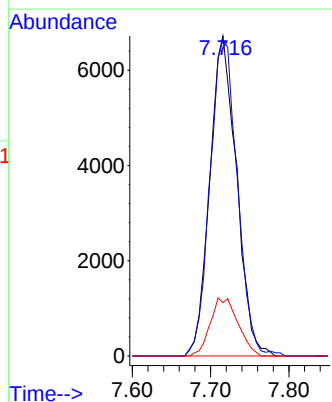
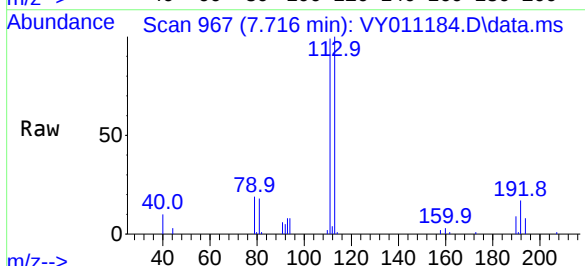
Tgt Ion:113 Resp: 15924

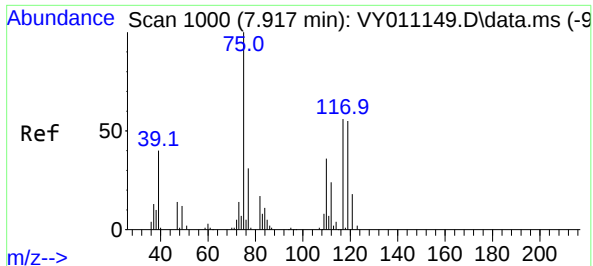
Ion Ratio Lower Upper

113 100

111 101.1 82.6 124.0

192 18.8 17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.706 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011184.D

Acq: 29 Oct 2022 03:07

Instrument :

MSVOA_Y

ClientSampleId :

BIN 1-2-(2840)-VOC-4

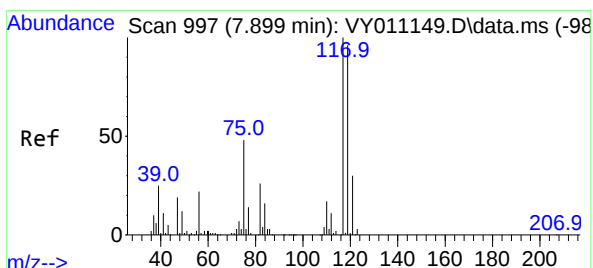
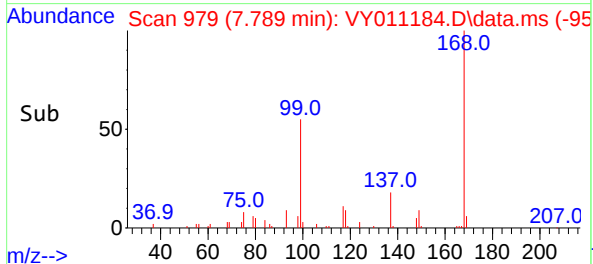
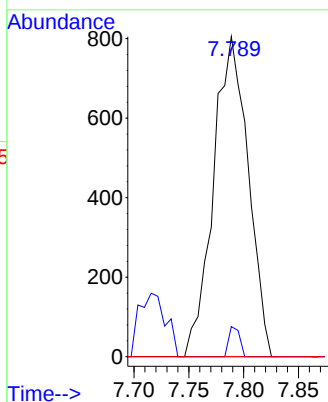
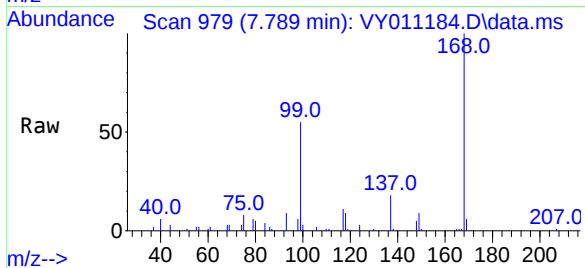
Tgt Ion: 75 Resp: 1776

Ion Ratio Lower Upper

75 100

110 2.9 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.832 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY011184.D

Acq: 29 Oct 2022 03:07

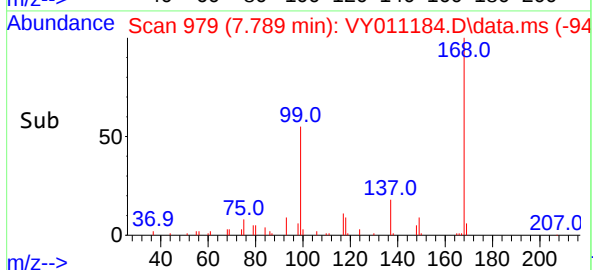
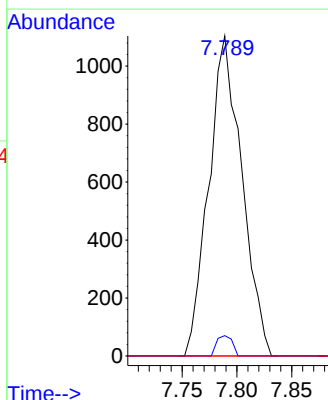
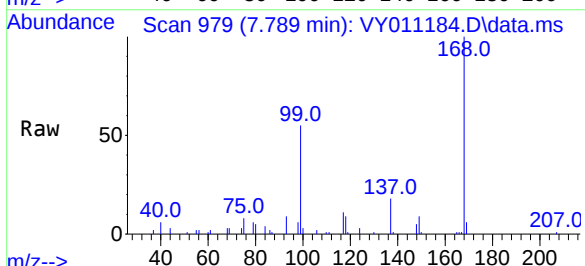
Tgt Ion: 117 Resp: 2316

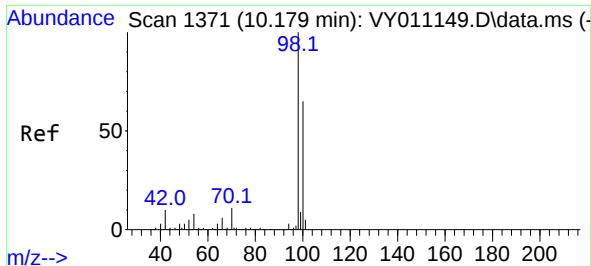
Ion Ratio Lower Upper

117 100

119 6.3 77.9 116.9#

121 0.0 24.8 37.2#

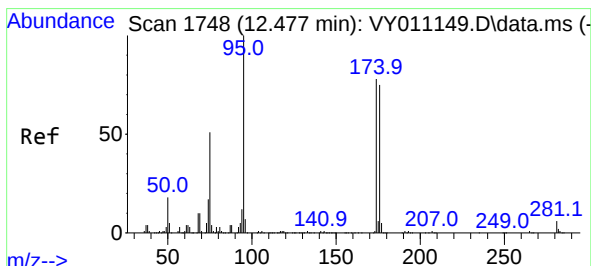
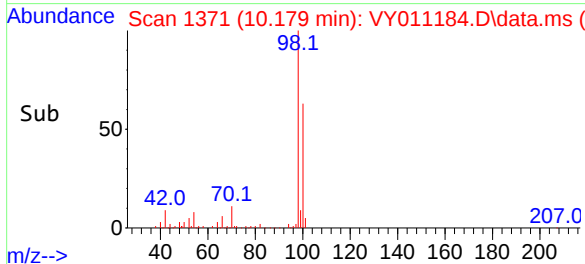
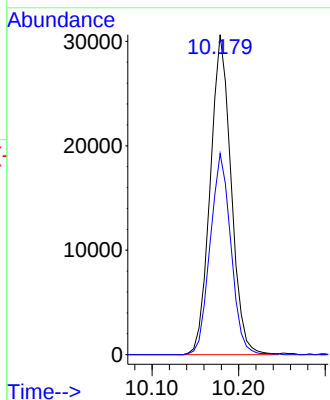
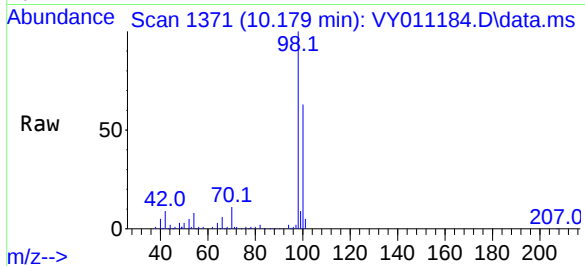




#50
Toluene-d8
Concen: 54.183 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011184.D
Acq: 29 Oct 2022 03:07

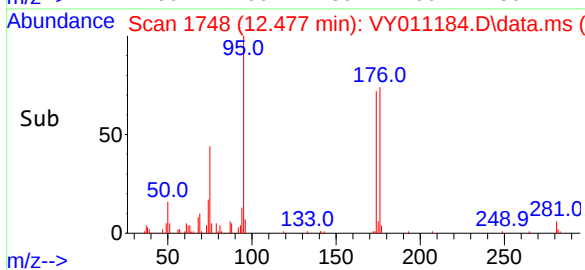
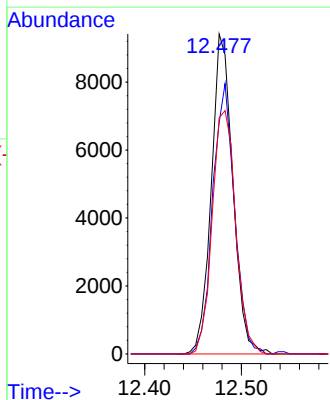
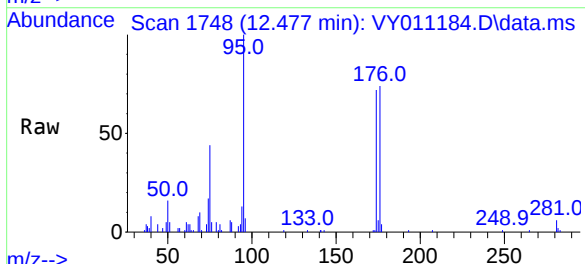
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-4

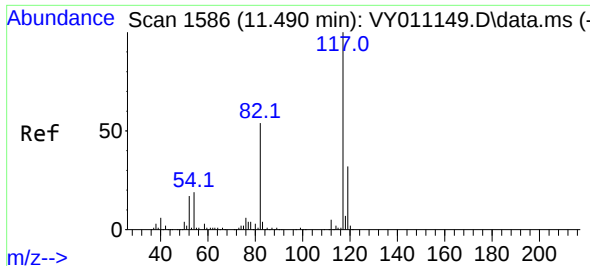
Tgt Ion: 98 Resp: 51244
Ion Ratio Lower Upper
98 100
100 62.5 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 46.962 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY011184.D
Acq: 29 Oct 2022 03:07

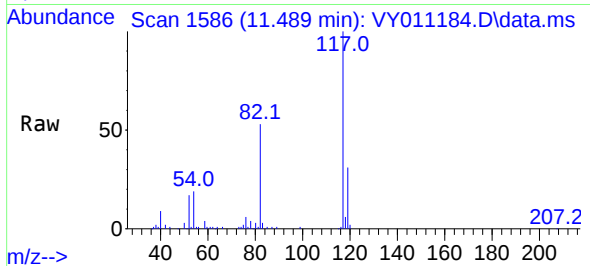
Tgt Ion: 95 Resp: 14533
Ion Ratio Lower Upper
95 100
174 85.8 0.0 177.0
176 83.0 0.0 175.8



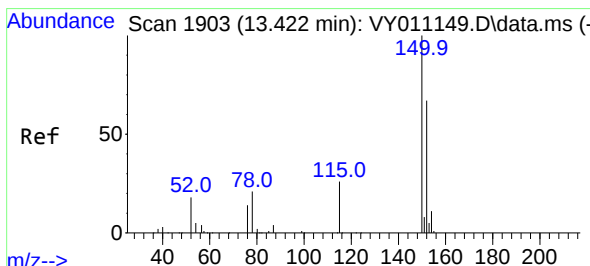
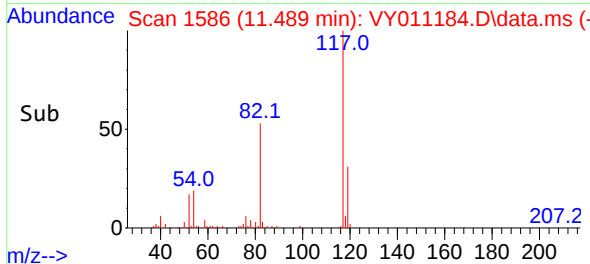
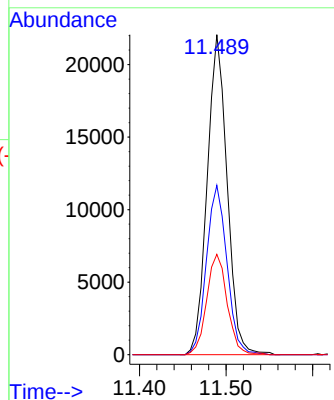


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.001 min
Lab File: VY011184.D
Acq: 29 Oct 2022 03:07

Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-4

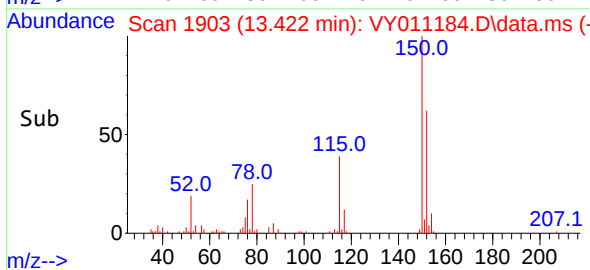
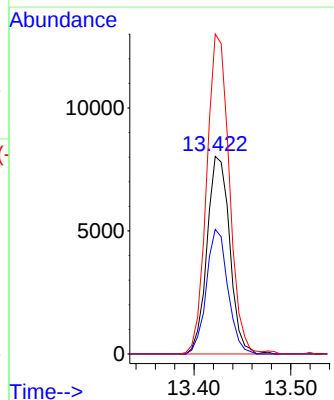
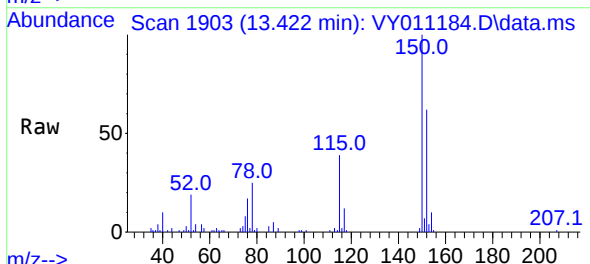


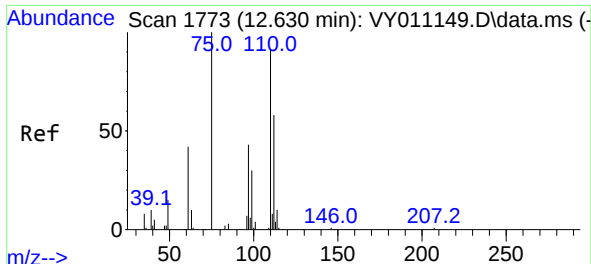
Tgt Ion:	117	Resp:	35266
Ion Ratio	Lower	Upper	
117	100		
82	52.9	43.0	64.4
119	31.3	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY011184.D
Acq: 29 Oct 2022 03:07

Tgt Ion:	152	Resp:	13094
Ion Ratio	Lower	Upper	
152	100		
115	59.9	28.2	84.7
150	161.8	0.0	347.6

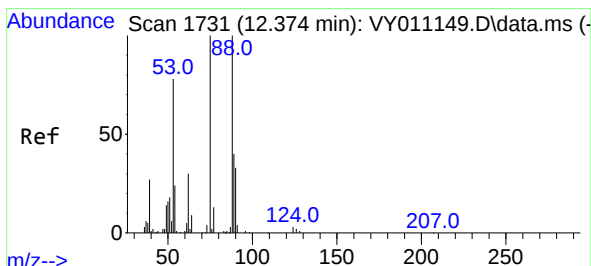
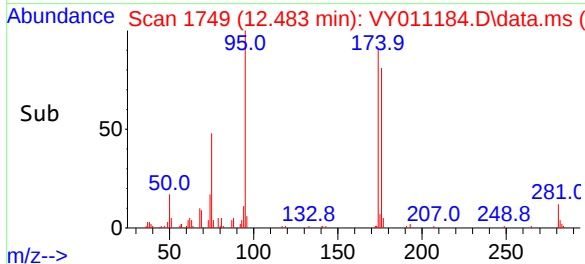
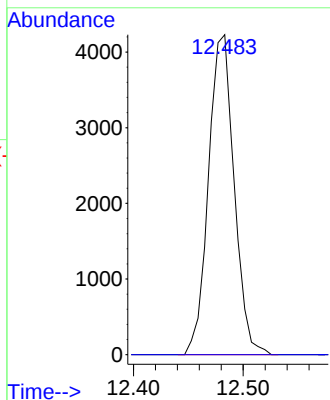
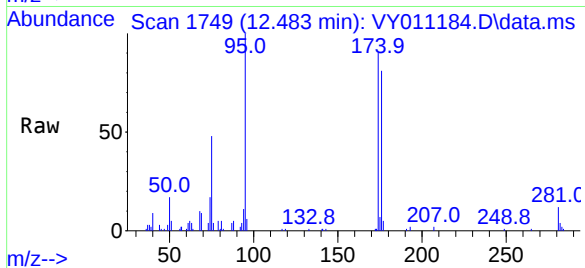




#76
1,2,3-Trichloropropane
Concen: 50.575 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY011184.D
Acq: 29 Oct 2022 03:07

Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-4

Tgt Ion: 75 Resp: 6885
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 107.405 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY011184.D
Acq: 29 Oct 2022 03:07

Tgt Ion: 75 Resp: 6885
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

