

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102822\
 Data File : VY011190.D
 Acq On : 29 Oct 2022 05:23
 Operator : KP/MD
 Sample : N5310-14
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BIN 1-2-(2840)-VOC-10

Quant Time: Oct 29 06:48:39 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)

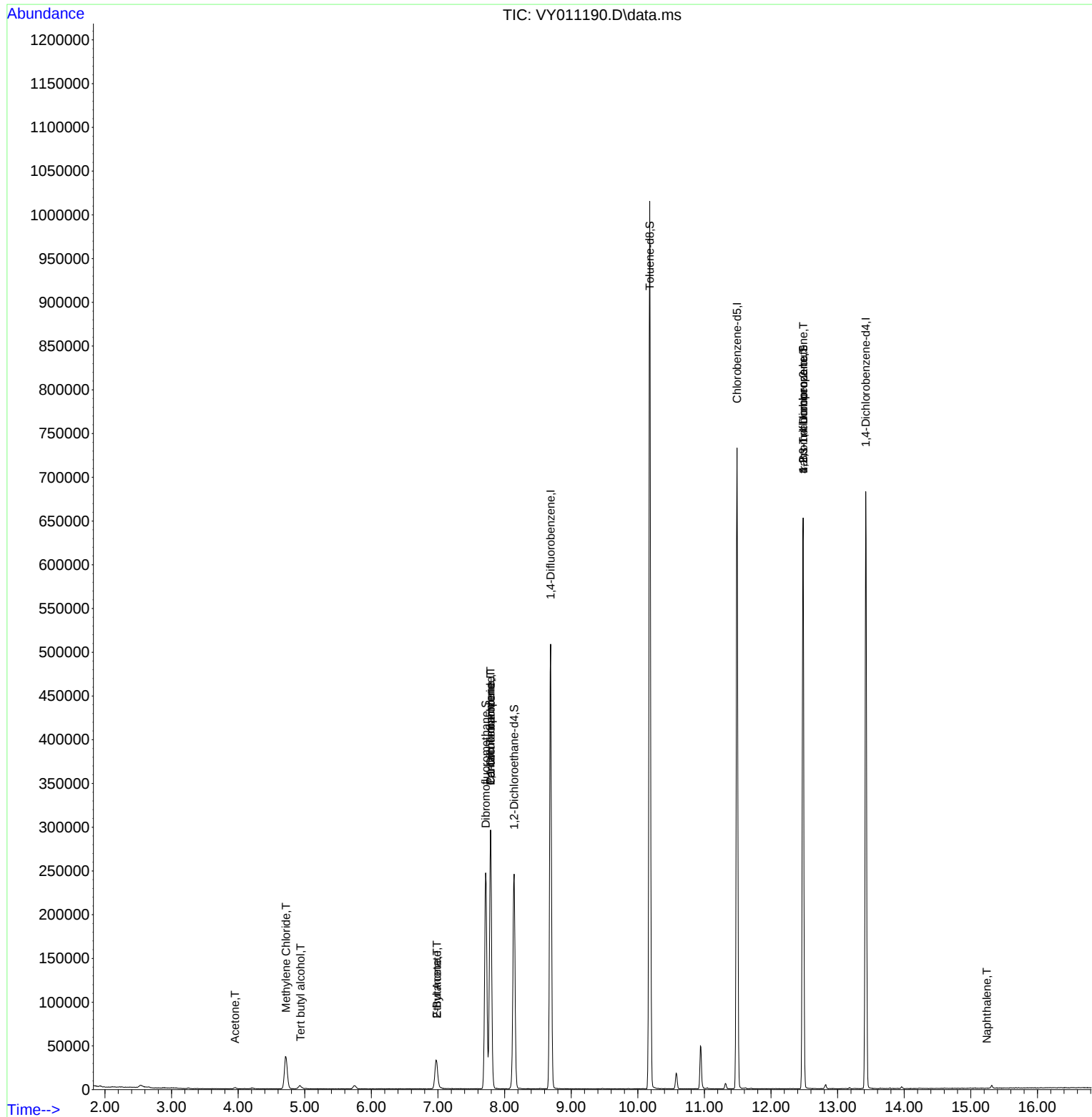
Internal Standards						
1) Pentafluorobenzene	7.789	168	228305	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	430808	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	399609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	176830	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	187785	79.546	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 159.100%	
35) Dibromofluoromethane	7.716	113	178779	67.481	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 134.960%	
50) Toluene-d8	10.179	98	648689	61.805	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 123.620%	
62) 4-Bromofluorobenzene	12.483	95	204940	59.675	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 119.340%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	84	Below Cal	#	43
3) Chloromethane	2.113	50	257	Below Cal	#	44
5) Bromomethane	2.662	94	225	Below Cal	#	72
11) Tert butyl alcohol	4.936	59	3857	12.827	ug/l #	77
16) Acetone	3.954	43	2263	3.918	ug/l #	80
18) Methyl Acetate	4.472	43	167	Below Cal	#	56
20) Methylene Chloride	4.716	84	29837	6.661	ug/l #	83
25) 2-Butanone	6.984	43	2156	2.604	ug/l	95
31) Cyclohexane	7.789	56	4411	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	17692	5.122	ug/l #	50
37) Ethyl Acetate	6.984	43	2156	1.103	ug/l #	1
38) Carbon Tetrachloride	7.789	117	22790	6.058	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	101676	55.305	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	101676	117.450	ug/l #	7
95) Naphthalene	15.239	128	162	4.378	ug/l #	69

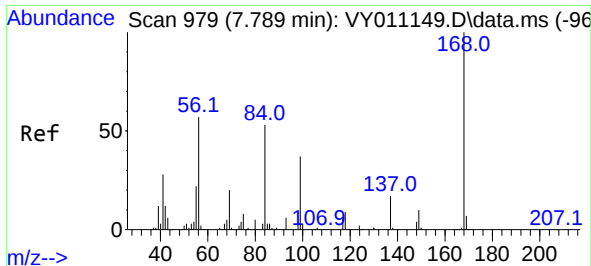
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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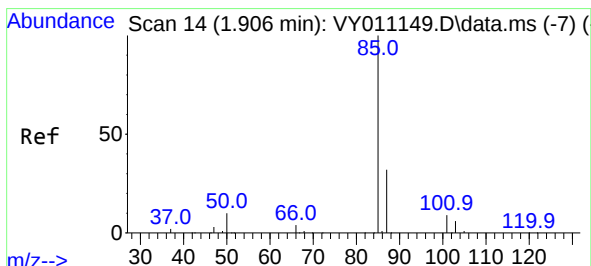
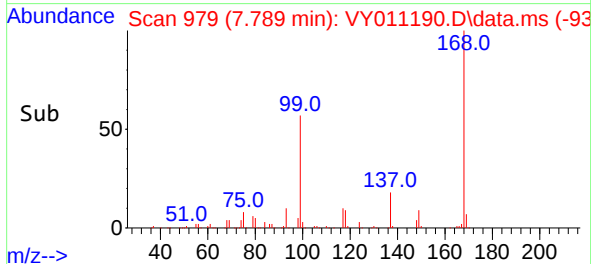
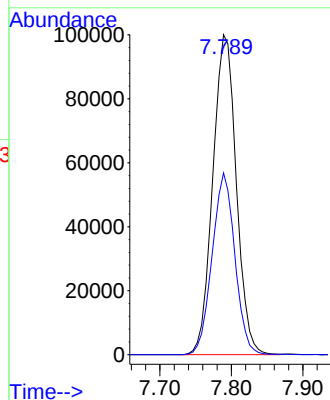
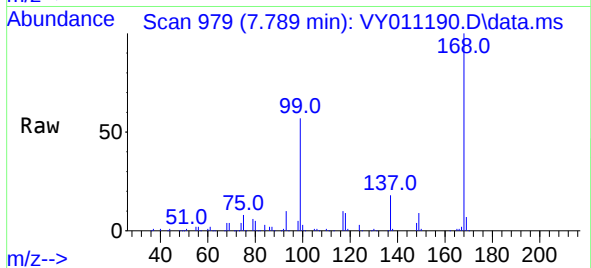




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011190.D
Acq: 29 Oct 2022 05:23

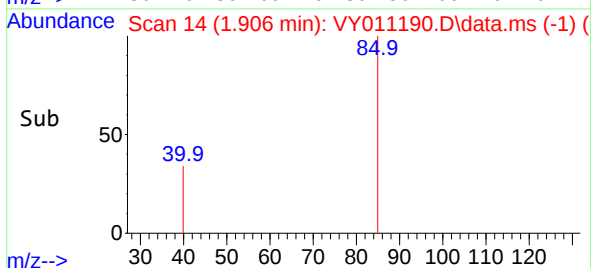
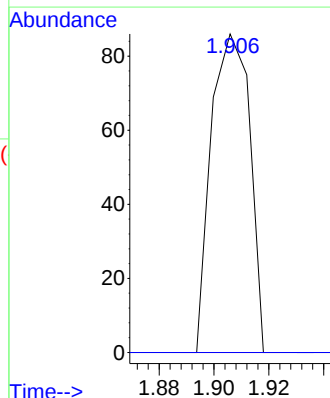
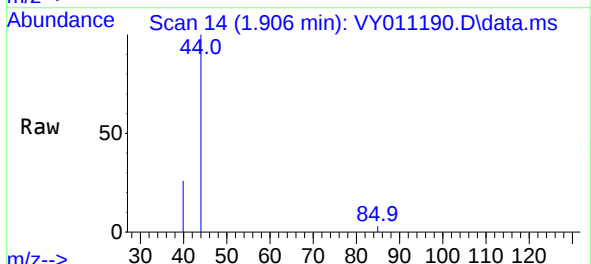
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-10

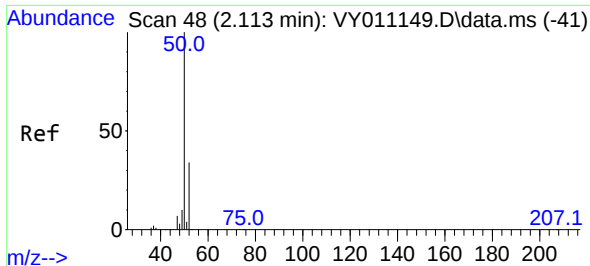
Tgt Ion:168 Resp: 228305
Ion Ratio Lower Upper
168 100
99 56.8 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011190.D
Acq: 29 Oct 2022 05:23

Tgt Ion: 85 Resp: 84
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

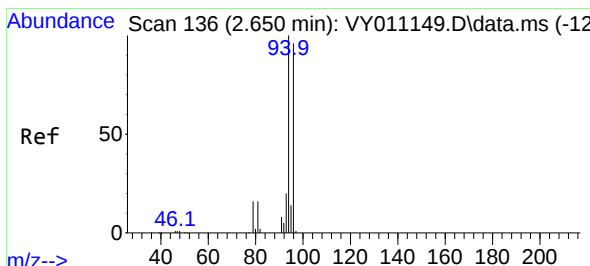
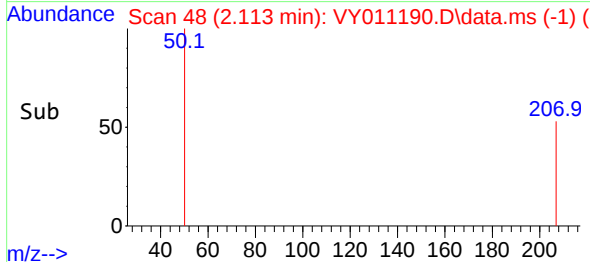
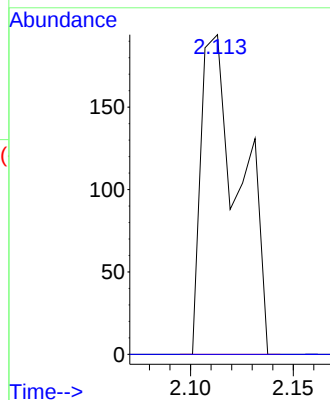
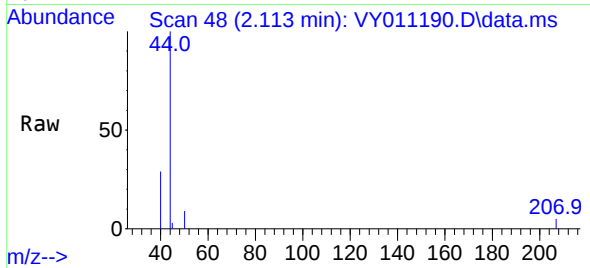




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011190.D
Acq: 29 Oct 2022 05:23

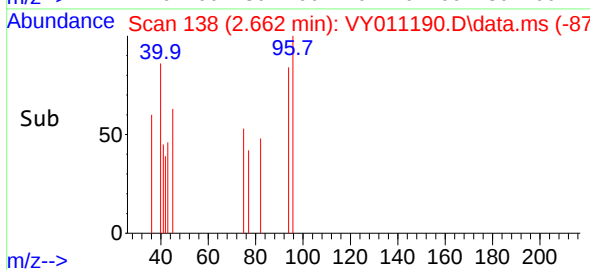
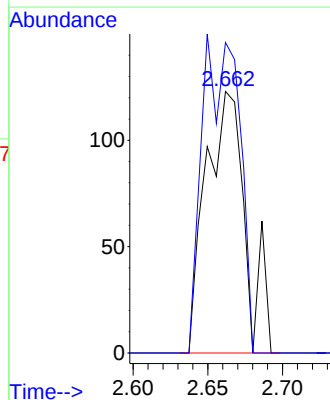
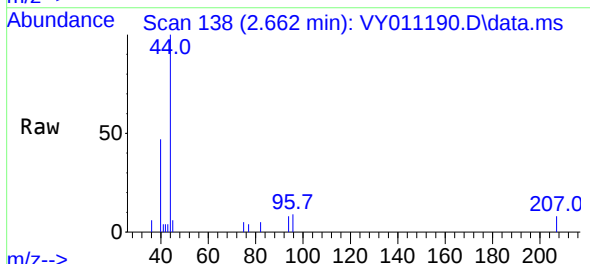
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-10

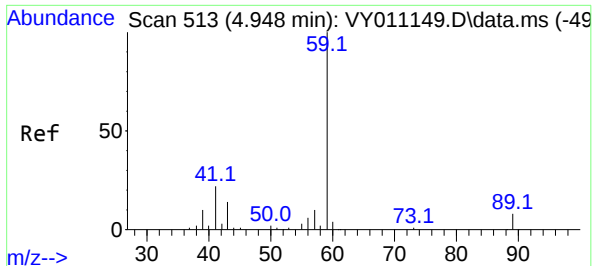
Tgt Ion: 50 Resp: 257
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.012 min
Lab File: VY011190.D
Acq: 29 Oct 2022 05:23

Tgt Ion: 94 Resp: 225
Ion Ratio Lower Upper
94 100
96 118.7 73.5 110.3#





#11

Tert butyl alcohol

Concen: 12.827 ug/l

RT: 4.936 min Scan# 511

Delta R.T. -0.012 min

Lab File: VY011190.D

Acq: 29 Oct 2022 05:23

Instrument :

MSVOA_Y

ClientSampleId :

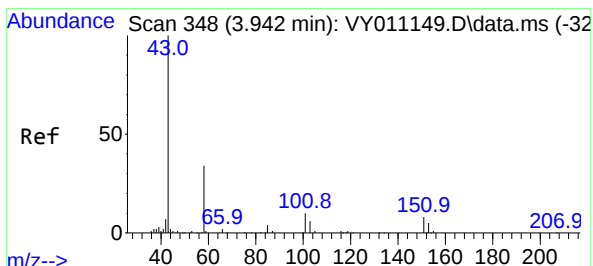
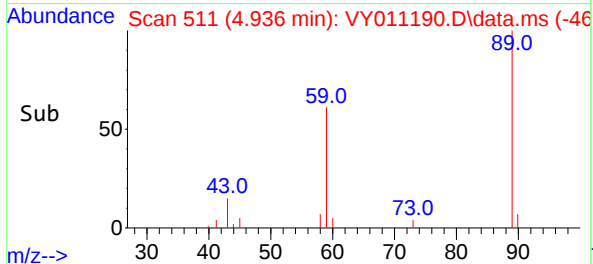
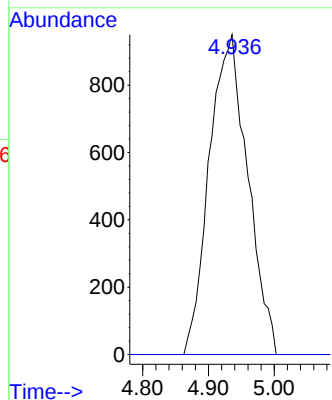
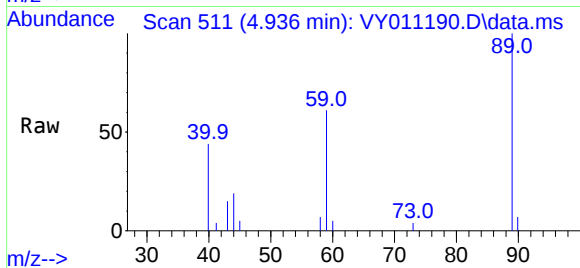
BIN 1-2-(2840)-VOC-10

Tgt Ion: 59 Resp: 3857

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 3.918 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.012 min

Lab File: VY011190.D

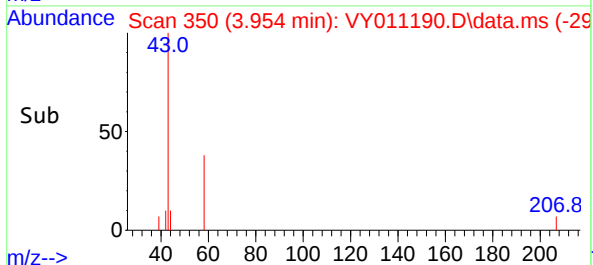
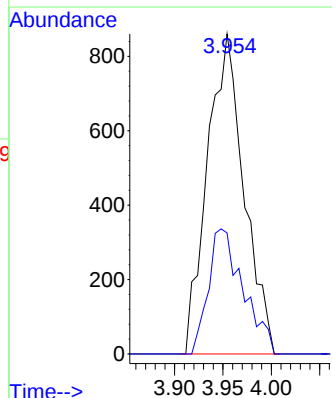
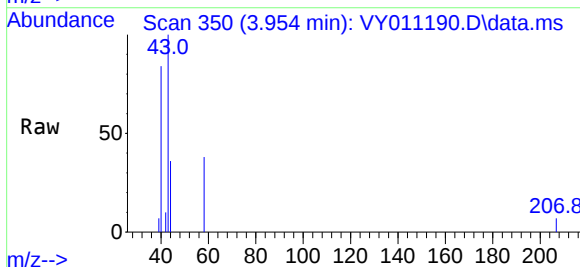
Acq: 29 Oct 2022 05:23

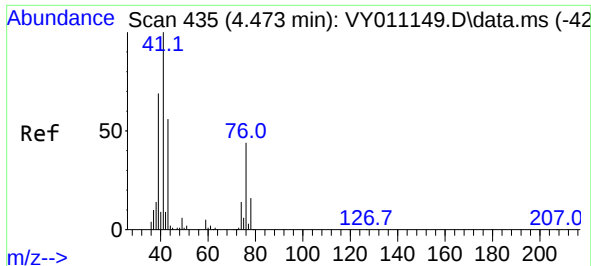
Tgt Ion: 43 Resp: 2263

Ion Ratio Lower Upper

43 100

58 37.8 22.0 33.0#

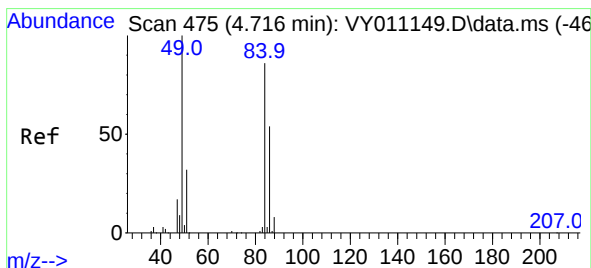
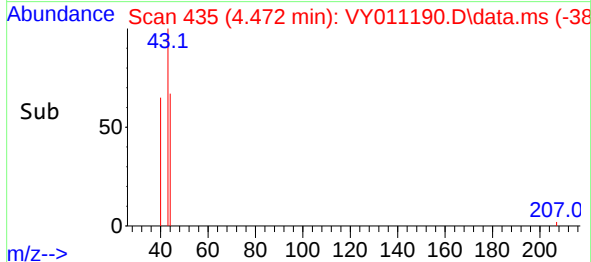
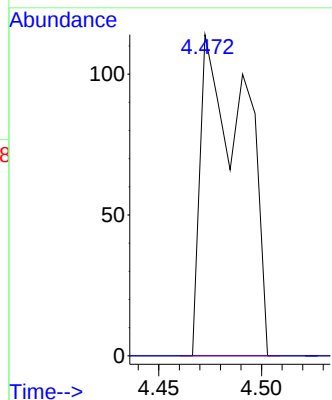
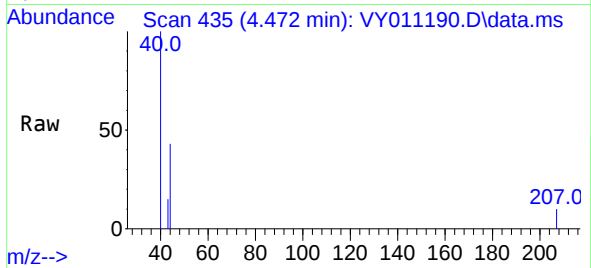




#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 41
Delta R.T. -0.001 min
Lab File: VY011190.D
Acq: 29 Oct 2022 05:23

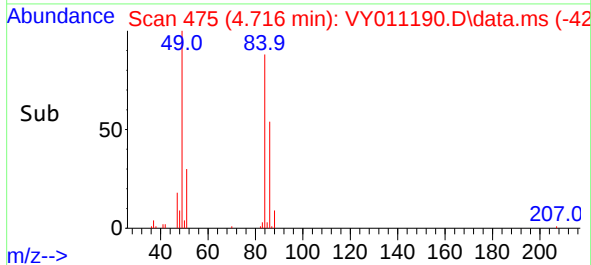
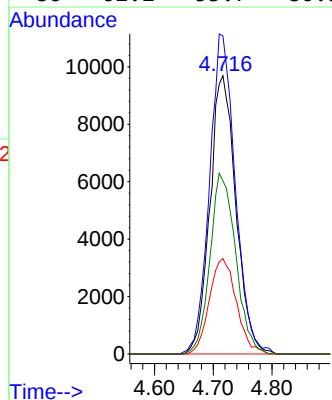
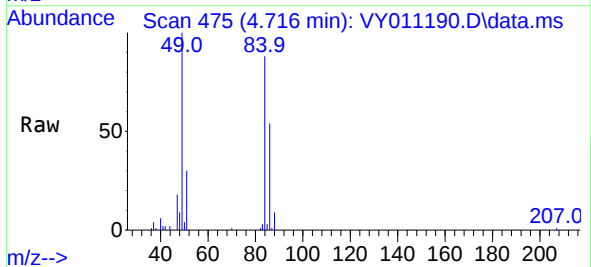
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-10

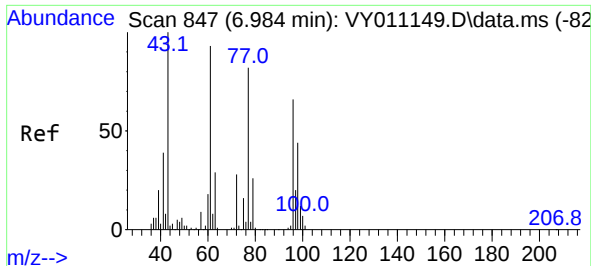
Tgt Ion: 43 Resp: 167
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 6.661 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011190.D
Acq: 29 Oct 2022 05:23

Tgt Ion: 84 Resp: 29837
Ion Ratio Lower Upper
84 100
49 114.2 114.4 171.6#
51 34.3 35.3 52.9#
86 62.2 53.7 80.5

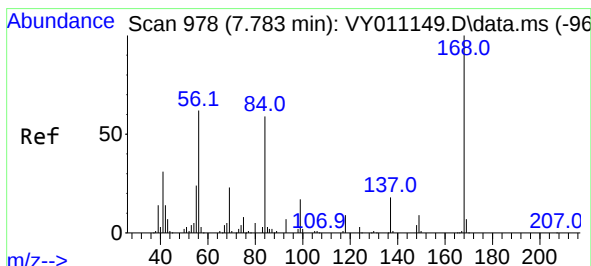
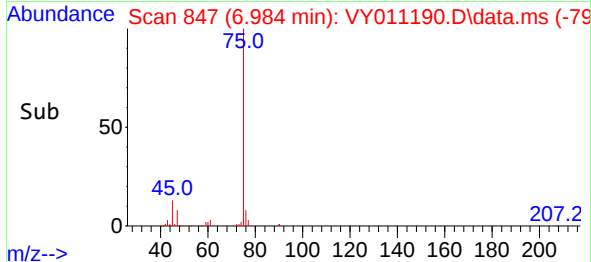
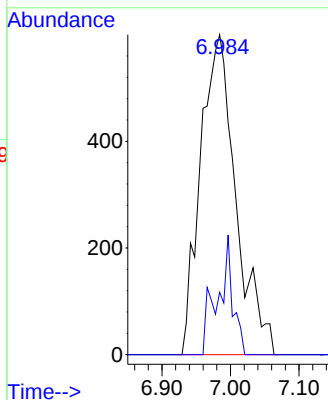
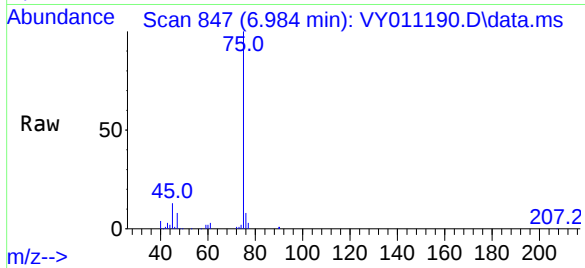




#25
2-Butanone
Concen: 2.604 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY011190.D
Acq: 29 Oct 2022 05:23

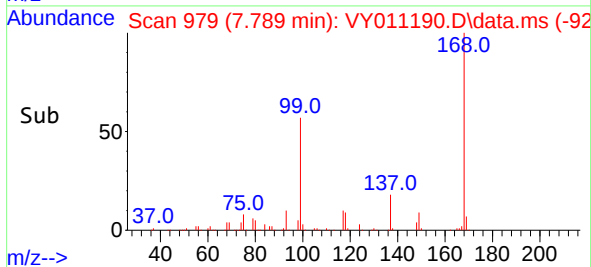
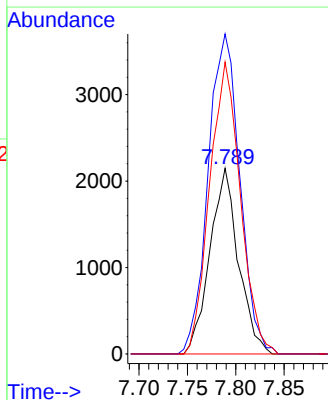
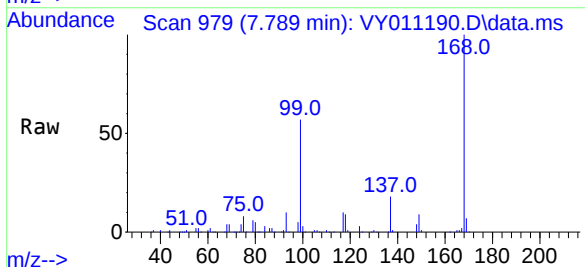
Instrument :
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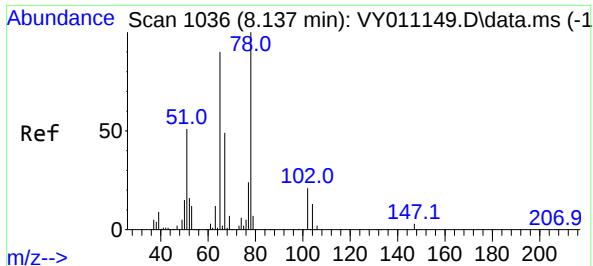
Tgt Ion: 43 Resp: 2156
Ion Ratio Lower Upper
43 100
72 19.5 17.7 26.5



#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY011190.D
Acq: 29 Oct 2022 05:23

Tgt Ion: 56 Resp: 4411
Ion Ratio Lower Upper
56 100
69 172.4 26.7 40.1#
84 157.3 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 79.546 ug/l

RT: 8.143 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY011190.D

Acq: 29 Oct 2022 05:23

Instrument :

MSVOA_Y

ClientSampleId :

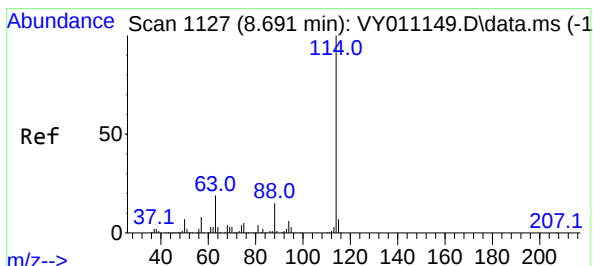
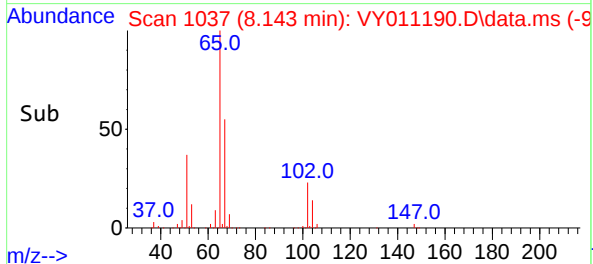
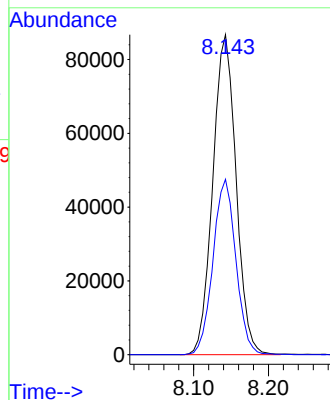
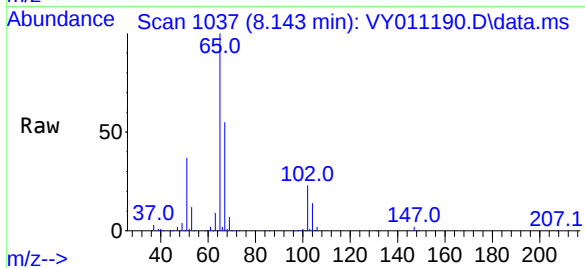
BIN 1-2-(2840)-VOC-10

Tgt Ion: 65 Resp: 187785

Ion Ratio Lower Upper

65 100

67 54.0 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: VY011190.D

Acq: 29 Oct 2022 05:23

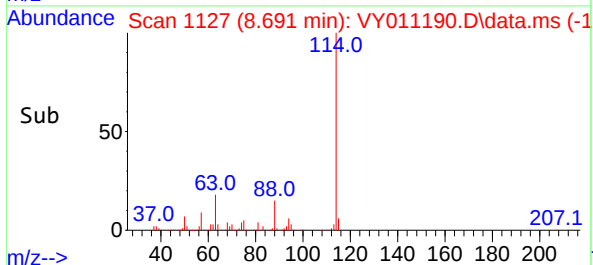
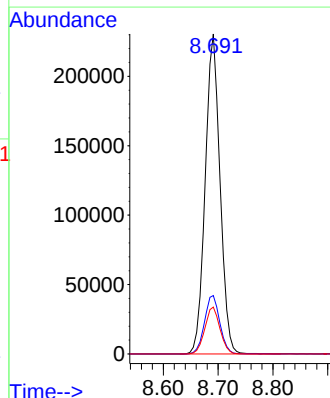
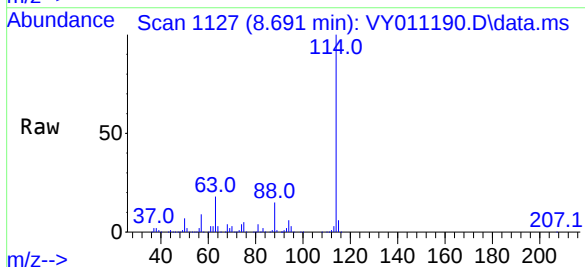
Tgt Ion: 114 Resp: 430808

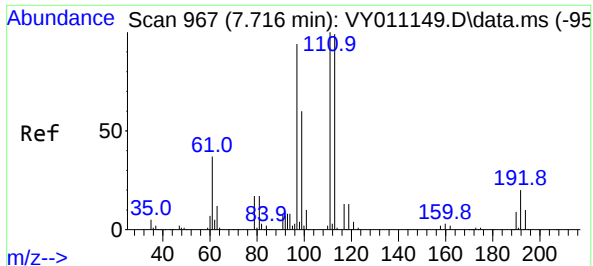
Ion Ratio Lower Upper

114 100

63 18.2 0.0 43.2

88 14.6 0.0 31.8

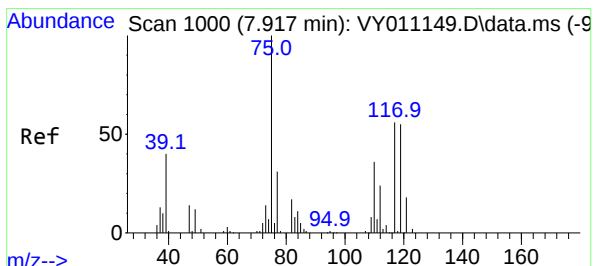
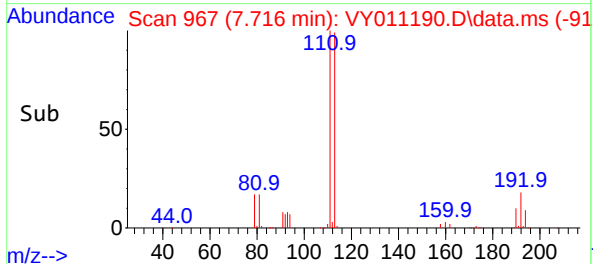
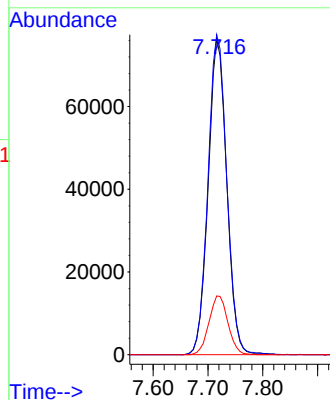
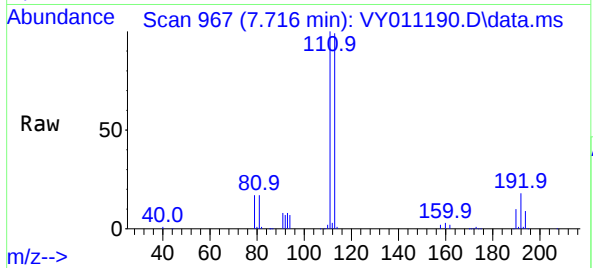




#35
Dibromofluoromethane
Concen: 67.481 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY011190.D
Acq: 29 Oct 2022 05:23

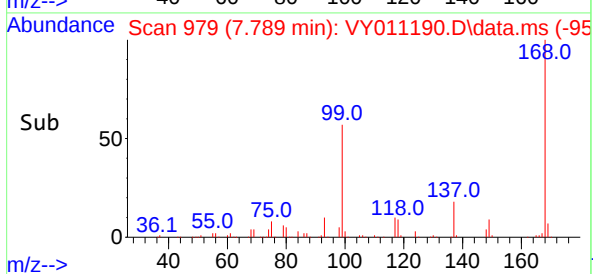
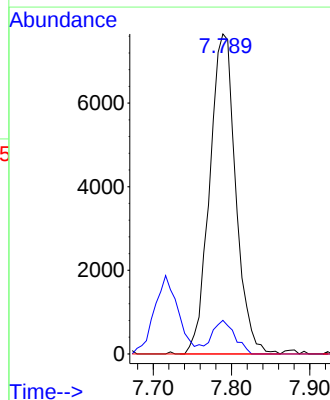
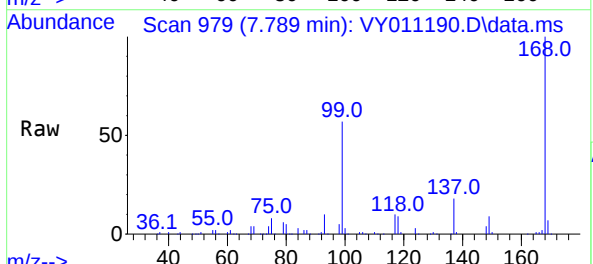
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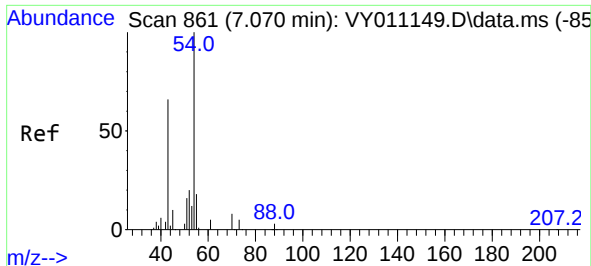
Tgt Ion:113 Resp: 178779
Ion Ratio Lower Upper
113 100
111 103.2 82.6 124.0
192 19.0 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.122 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011190.D
Acq: 29 Oct 2022 05:23

Tgt Ion: 75 Resp: 17692
Ion Ratio Lower Upper
75 100
110 8.8 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.103 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.086 min

Lab File: VY011190.D

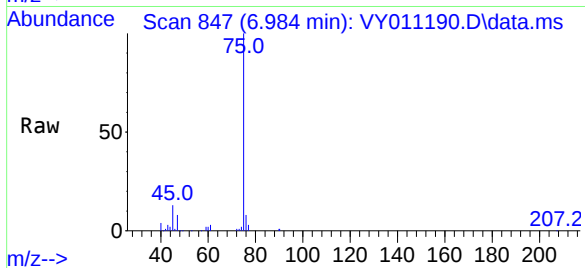
Acq: 29 Oct 2022 05:23

Instrument :

MSVOA_Y

ClientSampleId :

BIN 1-2-(2840)-VOC-10



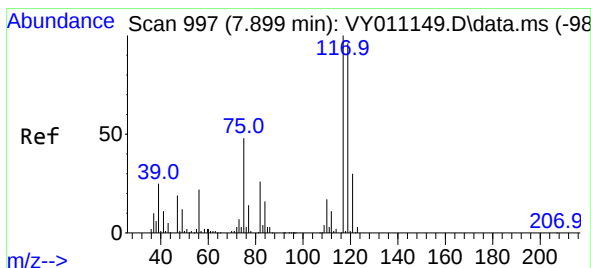
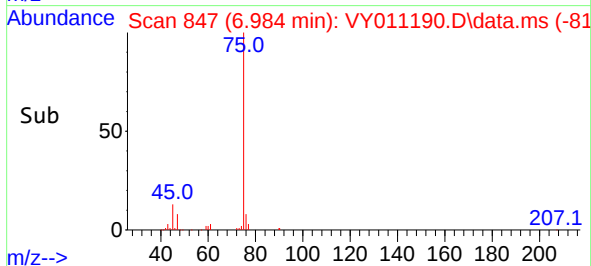
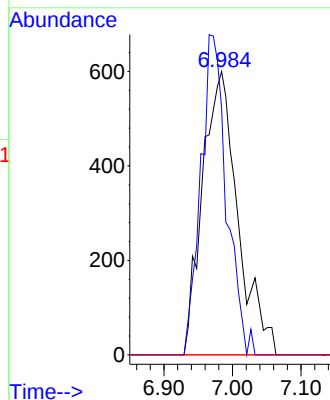
Tgt Ion: 43 Resp: 2156

Ion Ratio Lower Upper

43 100

61 82.3 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.058 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY011190.D

Acq: 29 Oct 2022 05:23

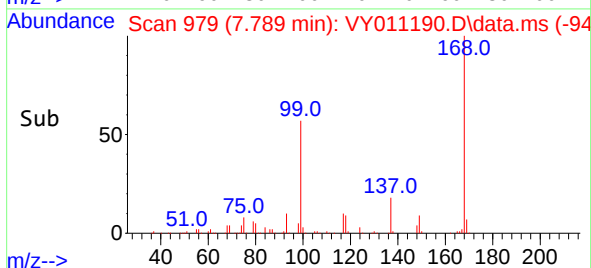
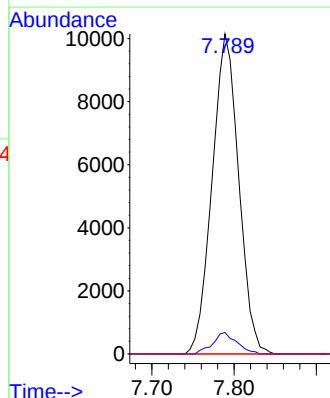
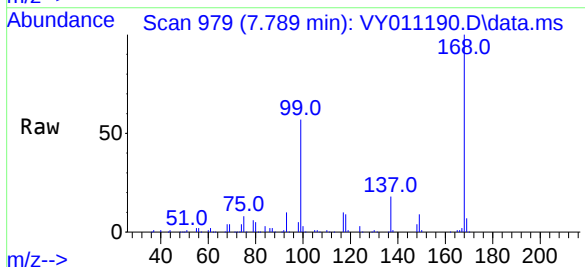
Tgt Ion: 117 Resp: 22790

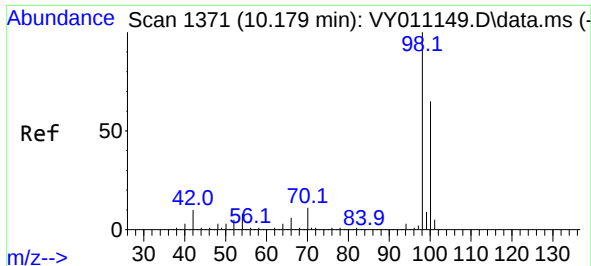
Ion Ratio Lower Upper

117 100

119 6.7 77.9 116.9#

121 0.0 24.8 37.2#

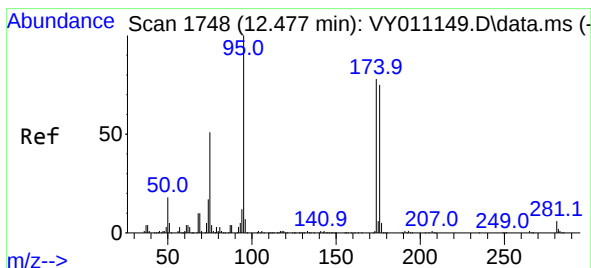
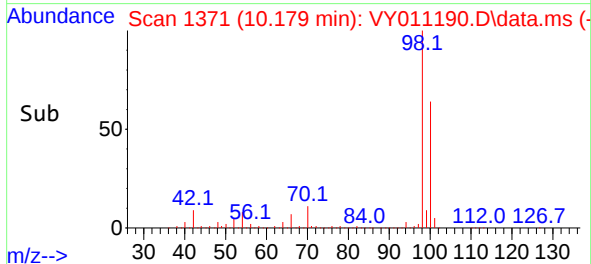
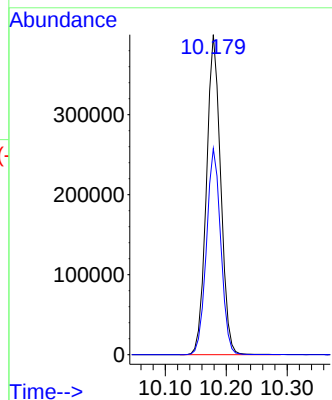
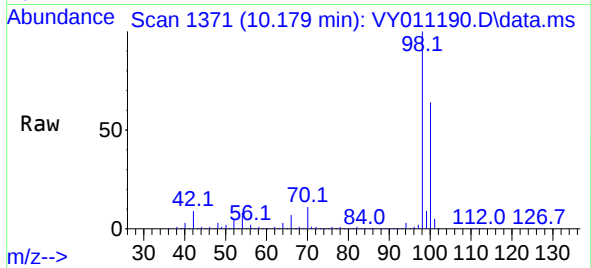




#50
Toluene-d8
Concen: 61.805 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011190.D
Acq: 29 Oct 2022 05:23

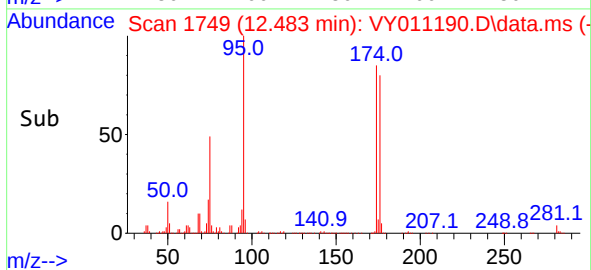
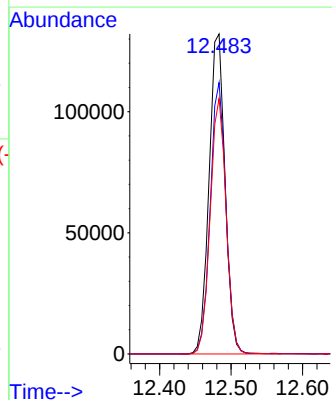
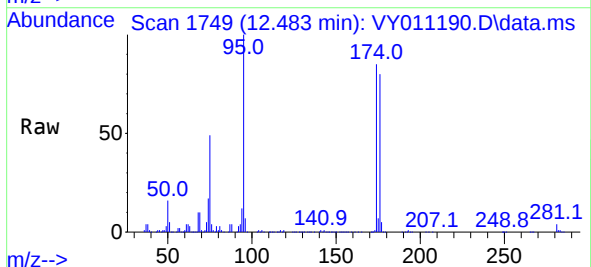
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-10

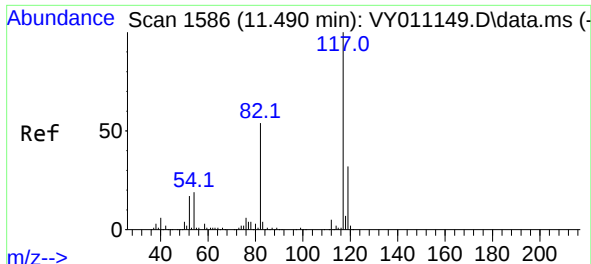
Tgt Ion: 98 Resp: 648689
Ion Ratio Lower Upper
98 100
100 64.8 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 59.675 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY011190.D
Acq: 29 Oct 2022 05:23

Tgt Ion: 95 Resp: 204940
Ion Ratio Lower Upper
95 100
174 83.5 0.0 177.0
176 79.4 0.0 175.8

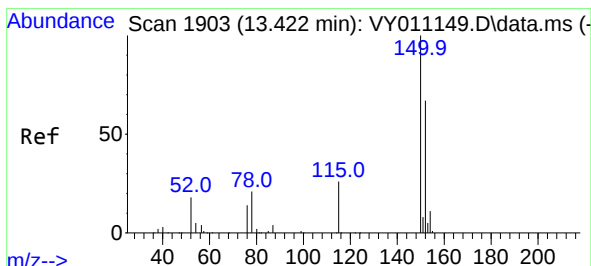
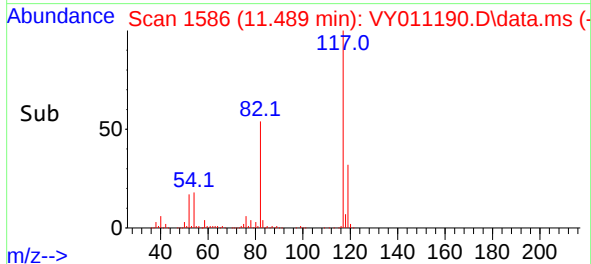
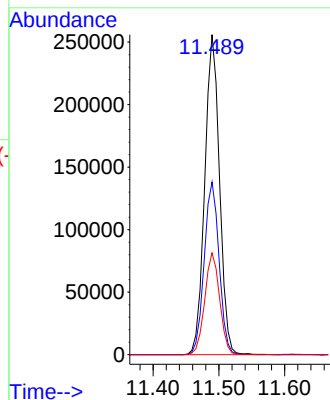
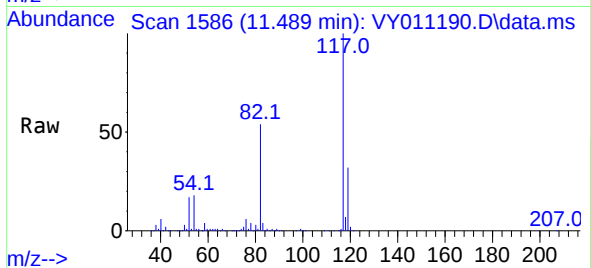




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.001 min
Lab File: VY011190.D
Acq: 29 Oct 2022 05:23

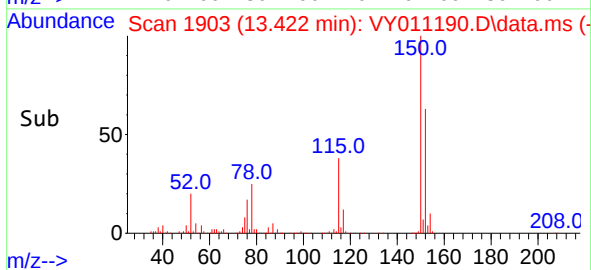
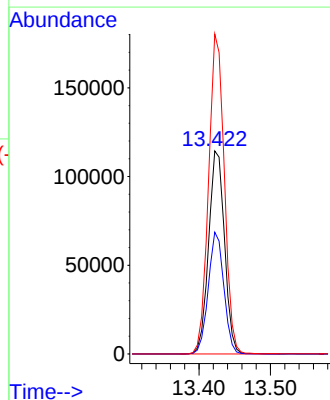
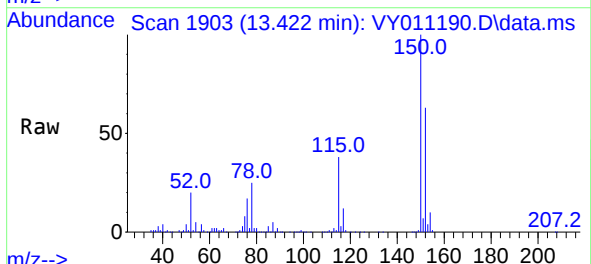
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-10

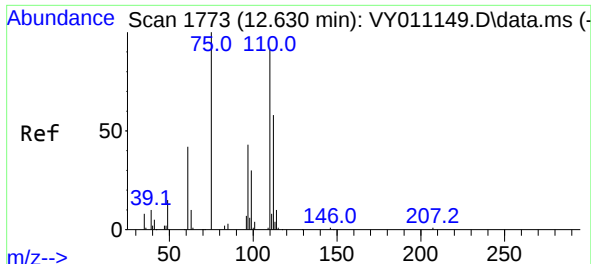
Tgt Ion:117 Resp: 399609
Ion Ratio Lower Upper
117 100
82 54.0 43.0 64.4
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011190.D
Acq: 29 Oct 2022 05:23

Tgt Ion:152 Resp: 176830
Ion Ratio Lower Upper
152 100
115 58.6 28.2 84.7
150 155.6 0.0 347.6

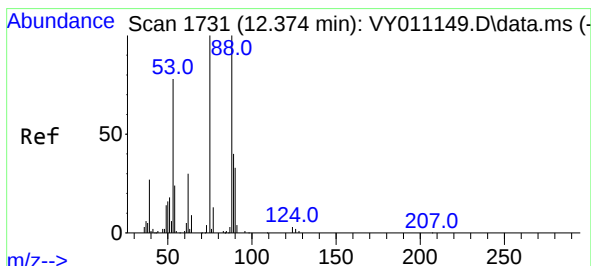
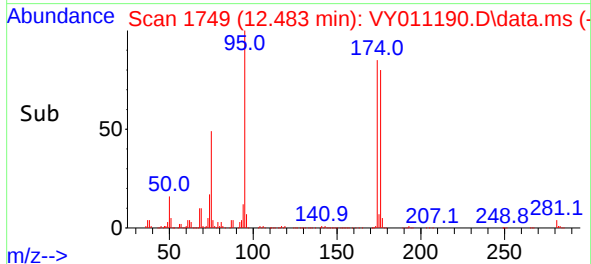
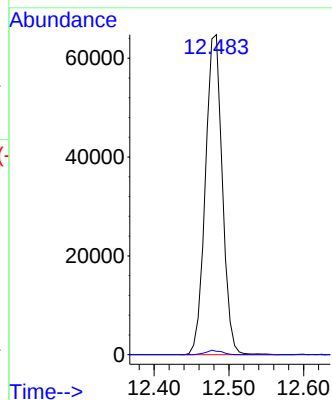
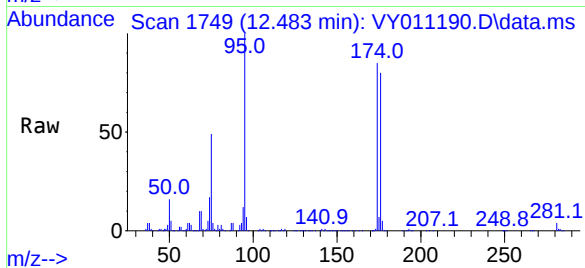




#76
1,2,3-Trichloropropane
Concen: 55.305 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY011190.D
Acq: 29 Oct 2022 05:23

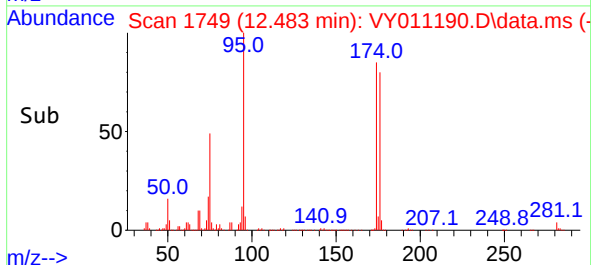
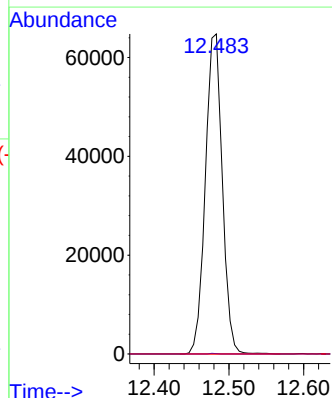
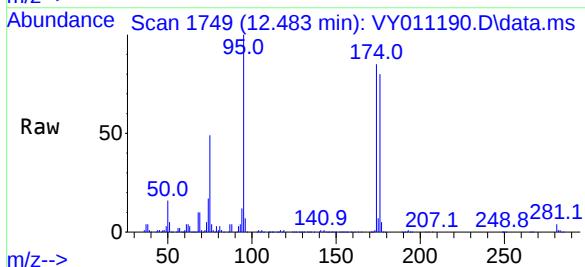
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-10

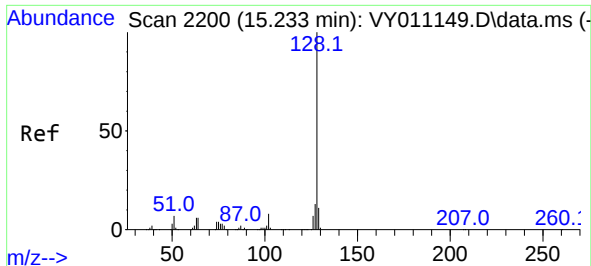
Tgt Ion: 75 Resp: 101676
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 117.450 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY011190.D
Acq: 29 Oct 2022 05:23

Tgt Ion: 75 Resp: 101676
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#





#95
Naphthalene
Concen: 4.378 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY011190.D
Acq: 29 Oct 2022 05:23

Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-10

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	11.0	16.4#
129	0.0	8.4	12.6#

