

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111022\
 Data File : VY011398.D
 Acq On : 10 Nov 2022 18:09
 Operator : KP/MD
 Sample : N5531-10
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-30

Quant Time: Nov 10 22:18:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111022S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 10 17:47:26 2022
 Response via : Initial Calibration

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

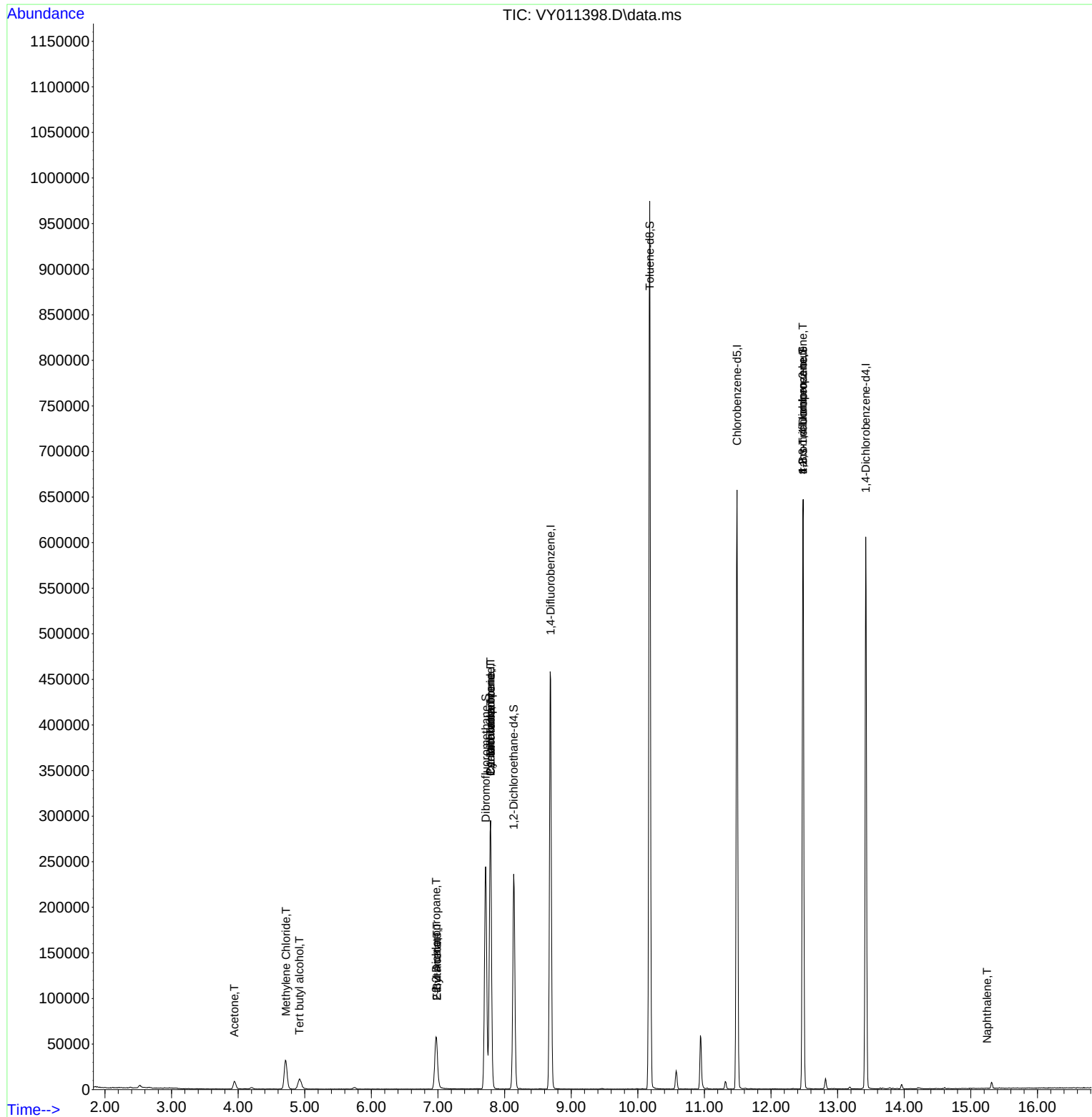
Internal Standards						
1) Pentafluorobenzene	7.789	168	241891	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	415886	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	376311	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	161833	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	175713	86.687	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 173.380%#	
35) Dibromofluoromethane	7.716	113	176040	75.530	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 151.060%#	
50) Toluene-d8	10.179	98	650953	73.108	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 146.220%#	
62) 4-Bromofluorobenzene	12.477	95	201517	64.887	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 129.780%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.917	59	10851	14.993	ug/l #	77
16) Acetone	3.942	43	14833	27.732	ug/l #	80
18) Methyl Acetate	4.485	43	200	Below Cal	#	56
20) Methylene Chloride	4.716	84	26490	1.904	ug/l #	77
25) 2-Butanone	6.984	43	5333	7.000	ug/l	94
26) 2,2-Dichloropropane	6.972	77	4322	1.135	ug/l #	55
31) Cyclohexane	7.789	56	3898	1.070	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	16969	4.691	ug/l #	51
37) Ethyl Acetate	6.984	43	5333	3.069	ug/l #	30
38) Carbon Tetrachloride	7.789	117	23163	5.887	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	96519	51.524	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	96519	123.849	ug/l #	7
95) Naphthalene	15.245	128	342	3.327	ug/l #	69

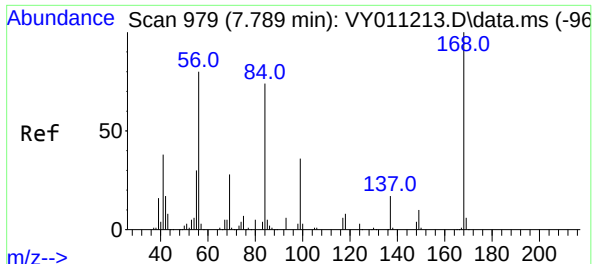
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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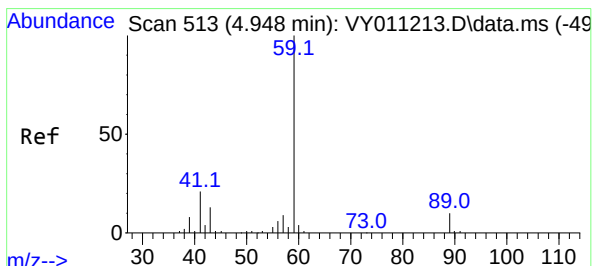
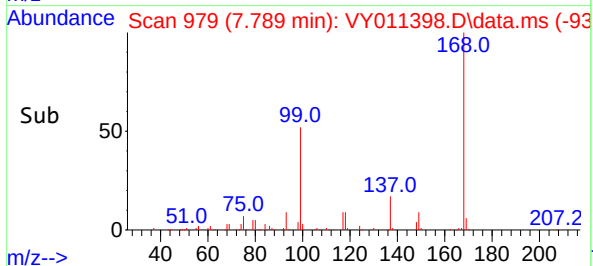
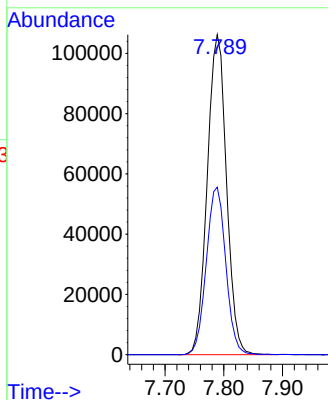
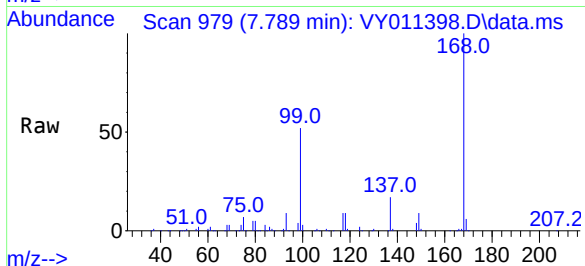




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011398.D
Acq: 10 Nov 2022 18:09

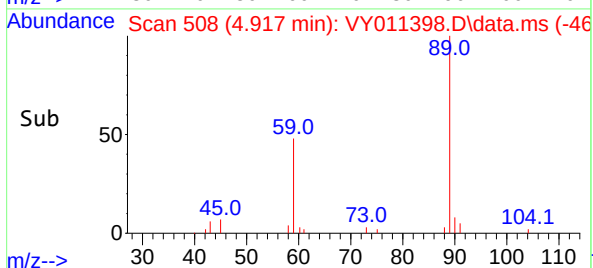
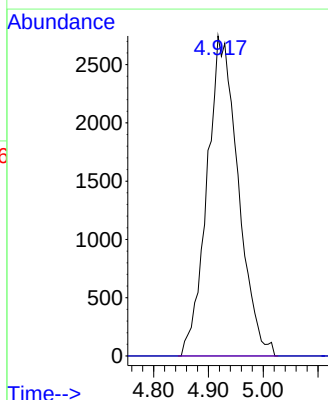
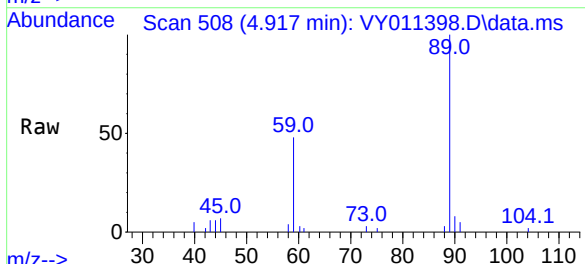
Instrument :
MSVOA_Y
ClientSampleId :
SB-30

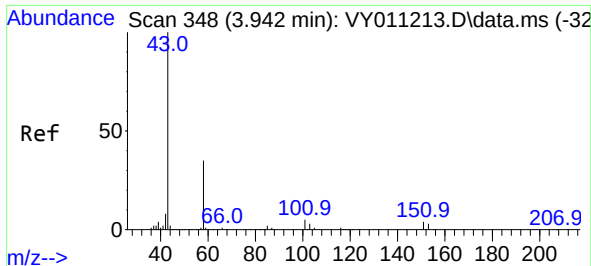
Tgt Ion:168 Resp: 241891
Ion Ratio Lower Upper
168 100
99 52.3 46.9 70.3



#11
Tert butyl alcohol
Concen: 14.993 ug/l
RT: 4.917 min Scan# 508
Delta R.T. -0.037 min
Lab File: VY011398.D
Acq: 10 Nov 2022 18:09

Tgt Ion: 59 Resp: 10851
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

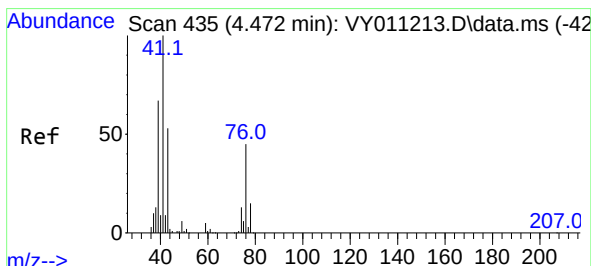
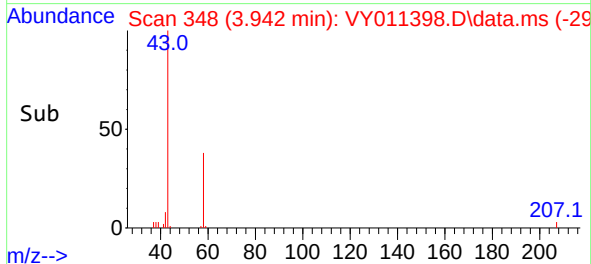
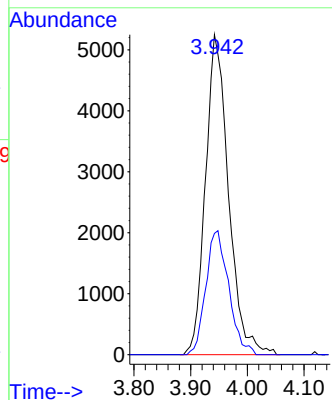
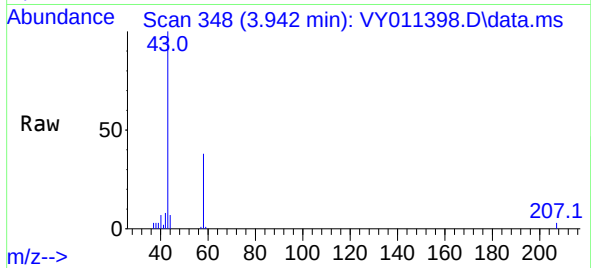




#16
Acetone
Concen: 27.732 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY011398.D
Acq: 10 Nov 2022 18:09

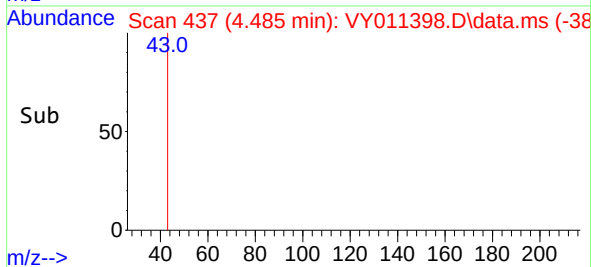
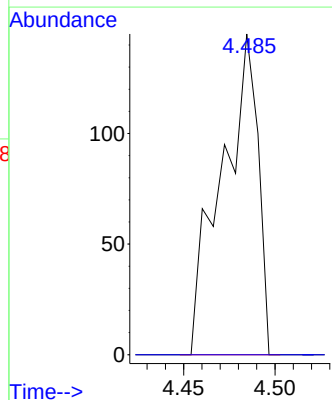
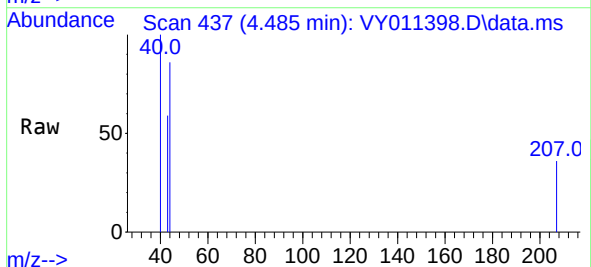
Instrument :
MSVOA_Y
ClientSampleId :
SB-30

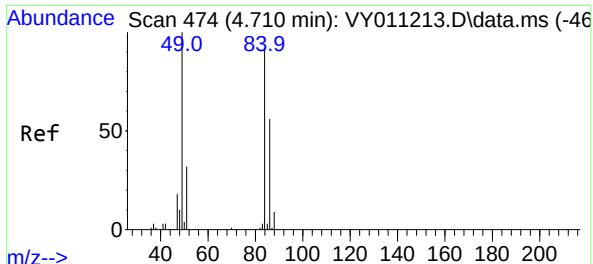
Tgt Ion: 43 Resp: 14833
Ion Ratio Lower Upper
43 100
58 37.9 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 437
Delta R.T. 0.012 min
Lab File: VY011398.D
Acq: 10 Nov 2022 18:09

Tgt Ion: 43 Resp: 200
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

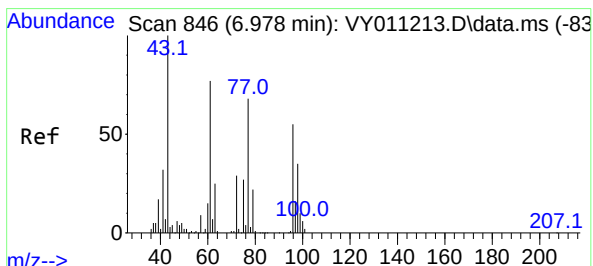
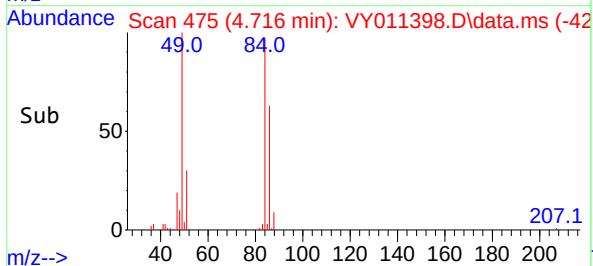
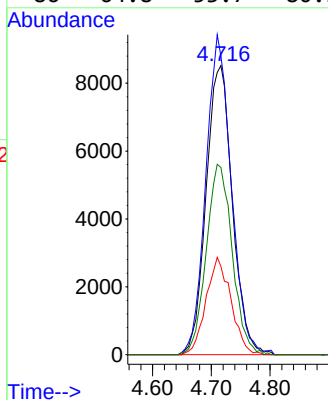
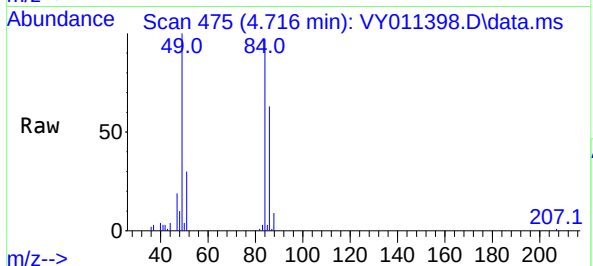




#20
Methylene Chloride
Concen: 1.904 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY011398.D
Acq: 10 Nov 2022 18:09

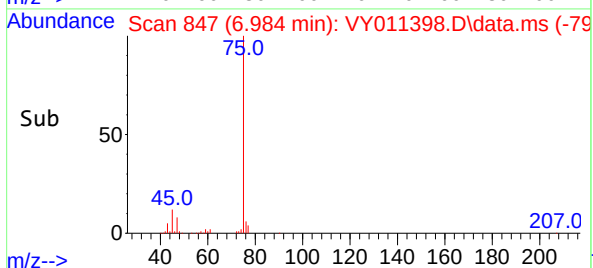
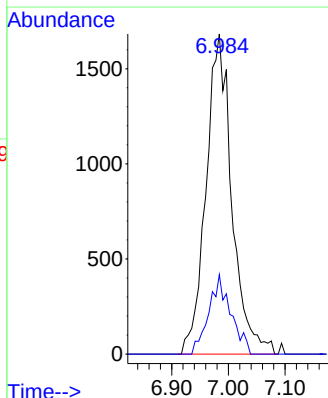
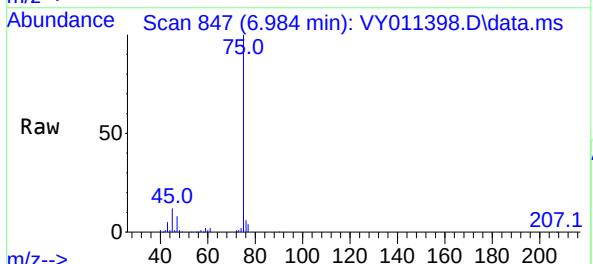
Instrument :
MSVOA_Y
ClientSampleId :
SB-30

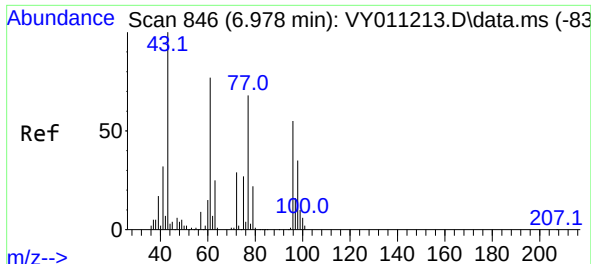
Tgt Ion:	84	Resp:	26490
Ion	Ratio	Lower	Upper
84	100		
49	103.2	114.4	171.6#
51	30.5	35.3	52.9#
86	64.8	53.7	80.5



#25
2-Butanone
Concen: 7.000 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY011398.D
Acq: 10 Nov 2022 18:09

Tgt Ion:	43	Resp:	5333
Ion	Ratio	Lower	Upper
43	100		
72	24.8	17.7	26.5





#26

2,2-Dichloropropane

Concen: 1.135 ug/l

RT: 6.972 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY011398.D

Acq: 10 Nov 2022 18:09

Instrument :

MSVOA_Y

ClientSampleId :

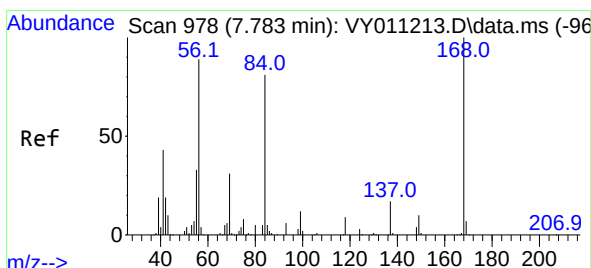
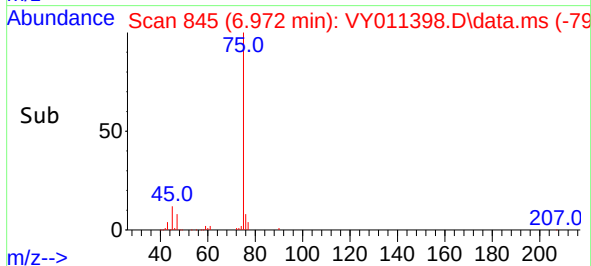
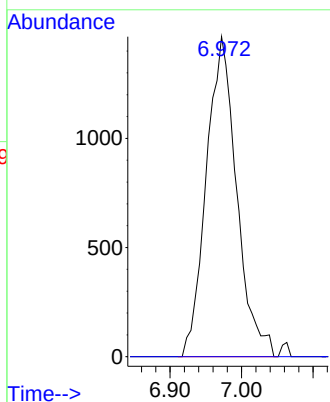
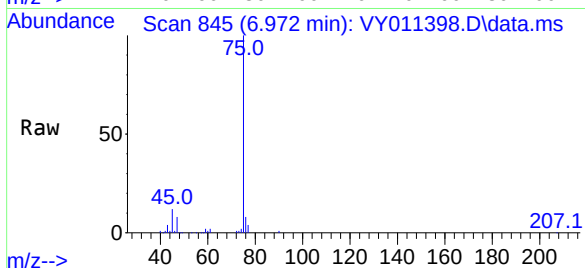
SB-30

Tgt Ion: 77 Resp: 4322

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#31

Cyclohexane

Concen: 1.070 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY011398.D

Acq: 10 Nov 2022 18:09

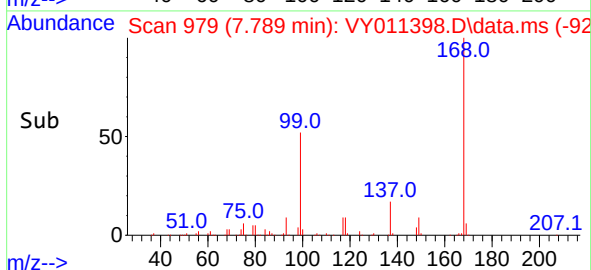
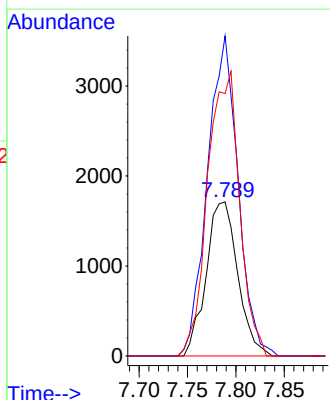
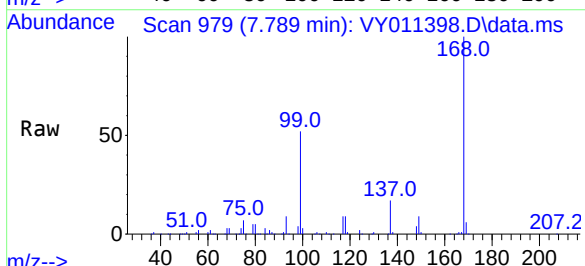
Tgt Ion: 56 Resp: 3898

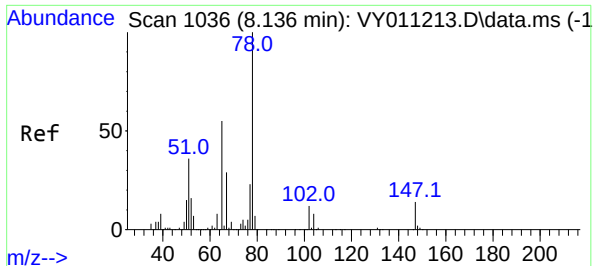
Ion Ratio Lower Upper

56 100

69 207.6 26.7 40.1#

84 170.3 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 86.687 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY011398.D

Acq: 10 Nov 2022 18:09

Instrument :

MSVOA_Y

ClientSampleId :

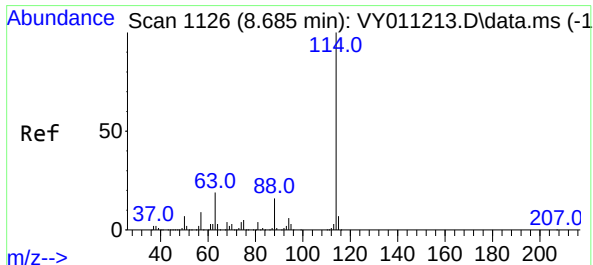
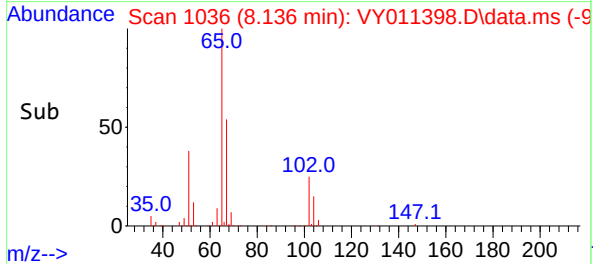
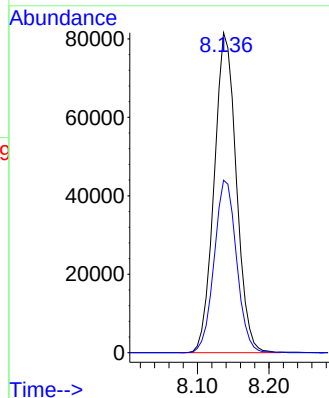
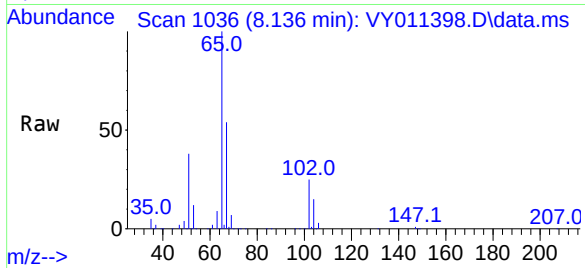
SB-30

Tgt Ion: 65 Resp: 175713

Ion Ratio Lower Upper

65 100

67 54.4 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY011398.D

Acq: 10 Nov 2022 18:09

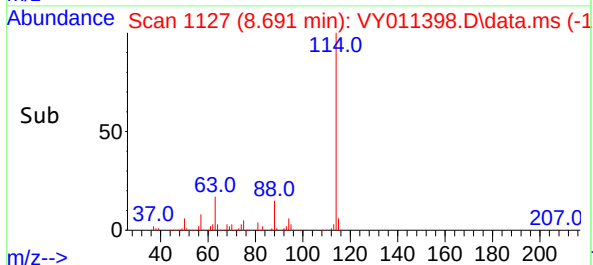
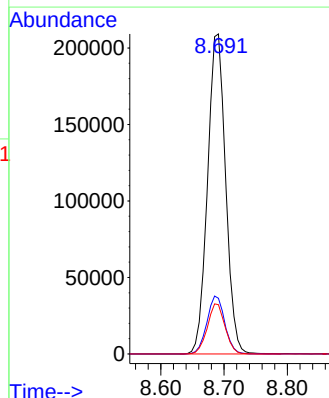
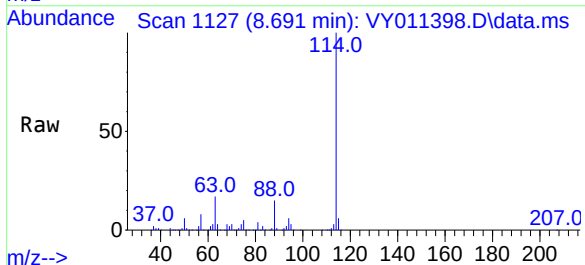
Tgt Ion: 114 Resp: 415886

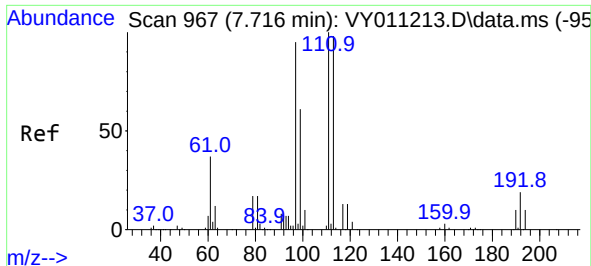
Ion Ratio Lower Upper

114 100

63 17.4 0.0 43.2

88 15.4 0.0 31.8

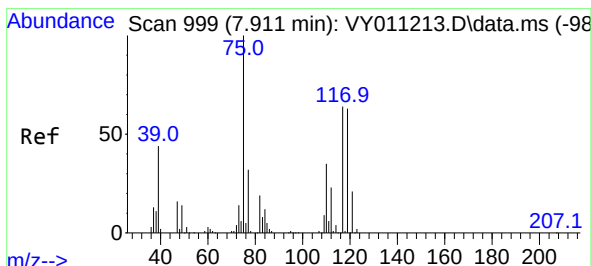
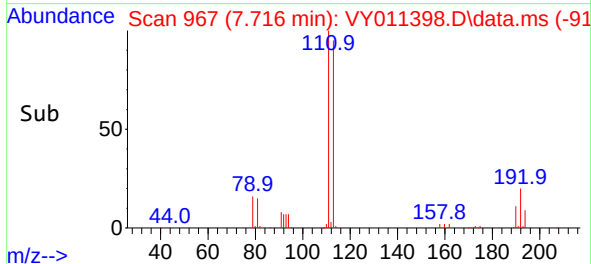
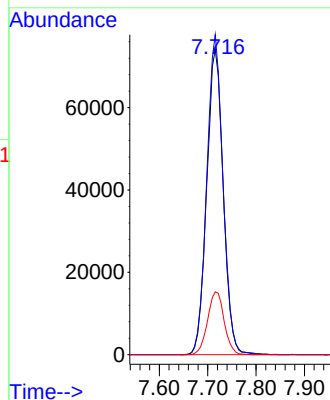
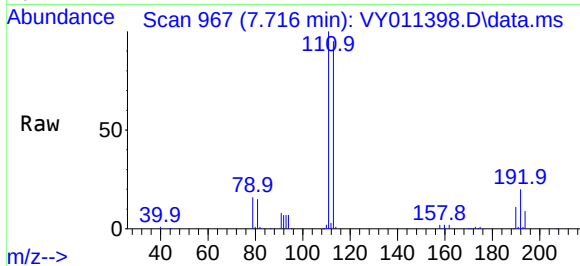




#35
Dibromofluoromethane
Concen: 75.530 ug/l
RT: 7.716 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY011398.D
Acq: 10 Nov 2022 18:09

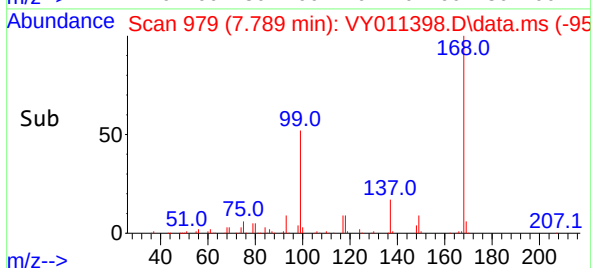
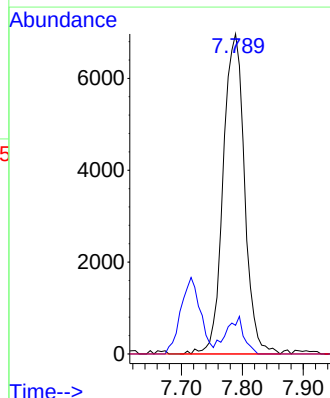
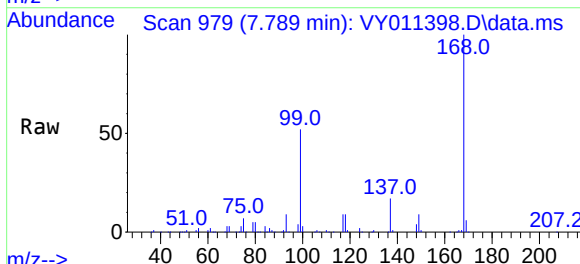
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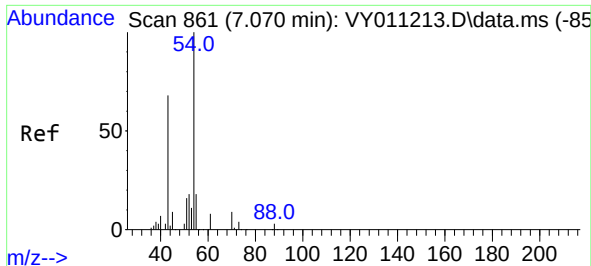
Tgt Ion:113 Resp: 176040
Ion Ratio Lower Upper
113 100
111 103.1 82.6 124.0
192 20.7 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.691 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011398.D
Acq: 10 Nov 2022 18:09

Tgt Ion: 75 Resp: 16969
Ion Ratio Lower Upper
75 100
110 9.8 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 3.069 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.086 min

Lab File: VY011398.D

Acq: 10 Nov 2022 18:09

Instrument :

MSVOA_Y

ClientSampleId :

SB-30

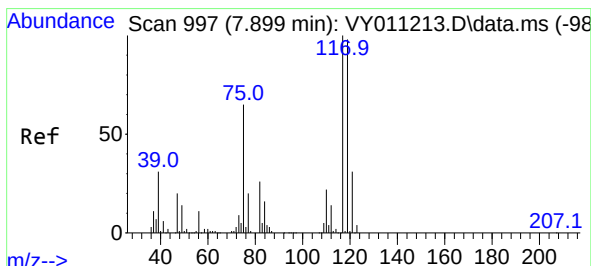
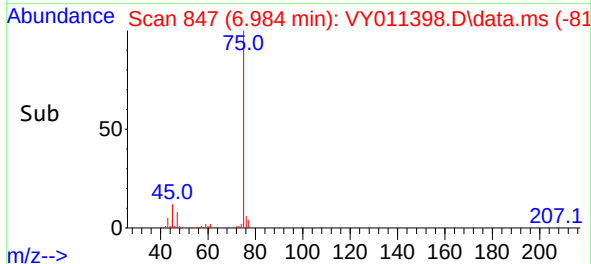
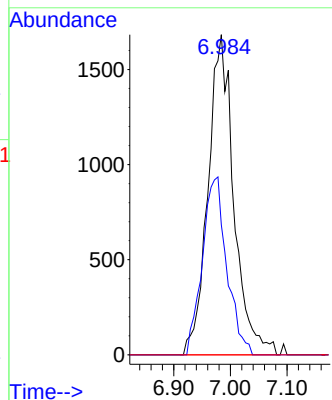
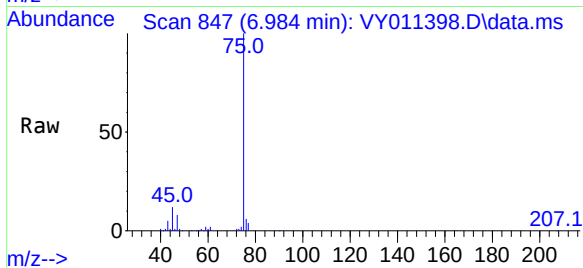
Tgt Ion: 43 Resp: 5333

Ion Ratio Lower Upper

43 100

61 52.4 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.887 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY011398.D

Acq: 10 Nov 2022 18:09

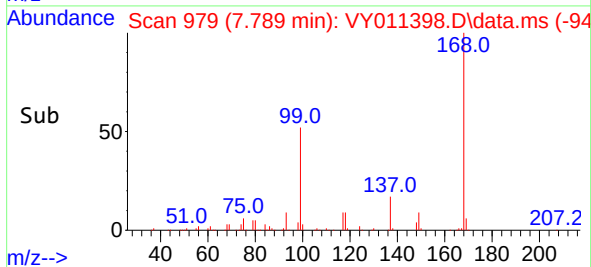
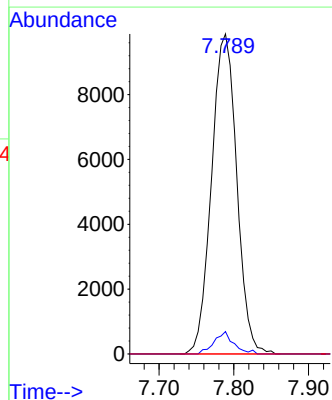
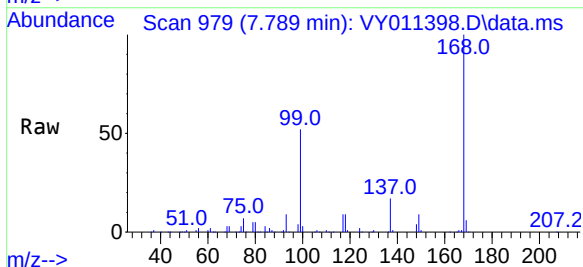
Tgt Ion: 117 Resp: 23163

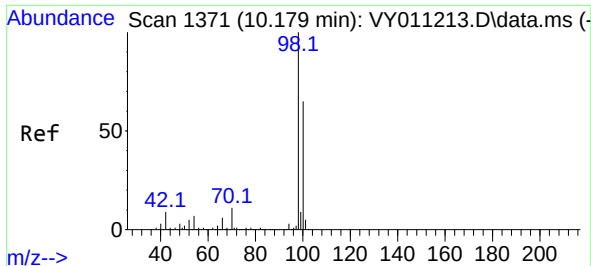
Ion Ratio Lower Upper

117 100

119 7.0 77.9 116.9#

121 0.0 24.8 37.2#

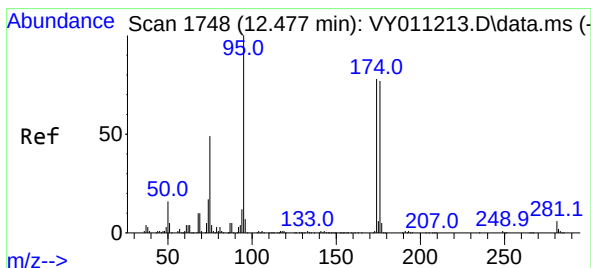
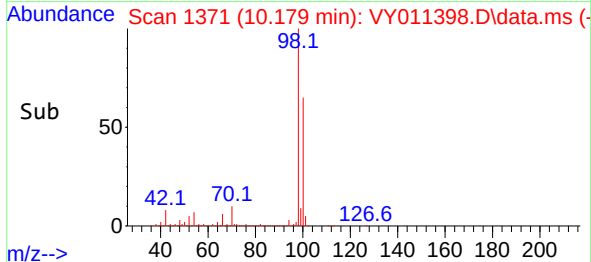
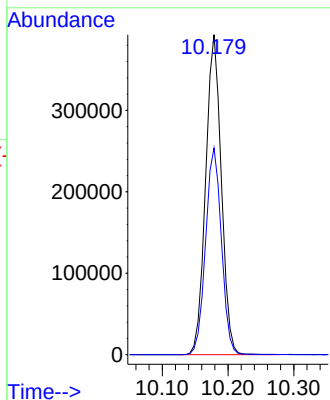
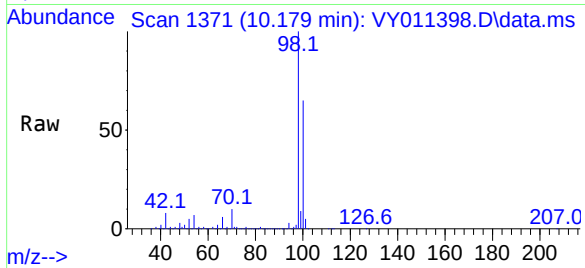




#50
Toluene-d8
Concen: 73.108 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011398.D
Acq: 10 Nov 2022 18:09

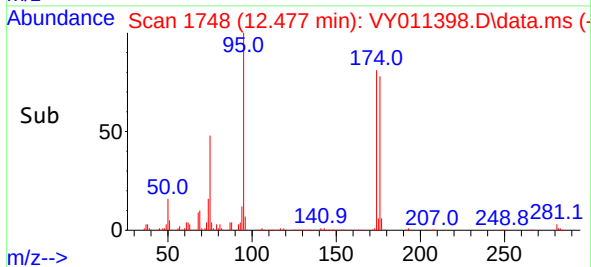
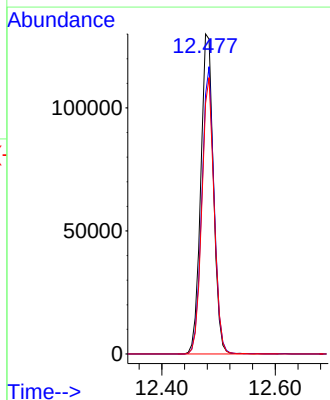
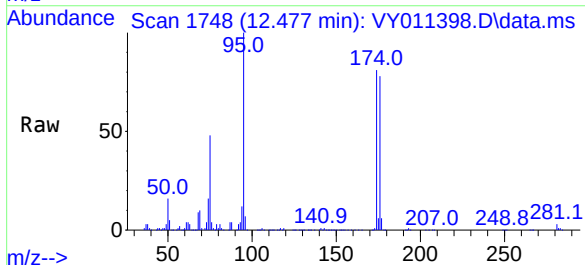
Instrument :
MSVOA_Y
ClientSampleId :
SB-30

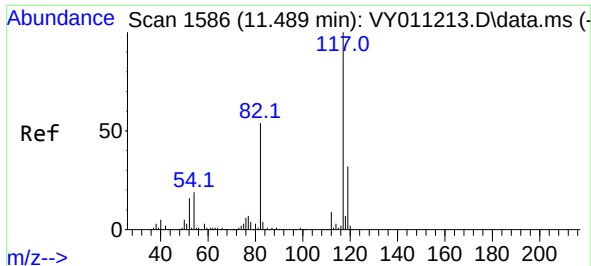
Tgt Ion: 98 Resp: 650953
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 64.887 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY011398.D
Acq: 10 Nov 2022 18:09

Tgt Ion: 95 Resp: 201517
Ion Ratio Lower Upper
95 100
174 87.0 0.0 177.0
176 83.4 0.0 175.8

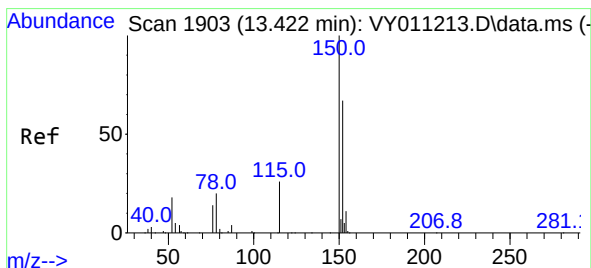
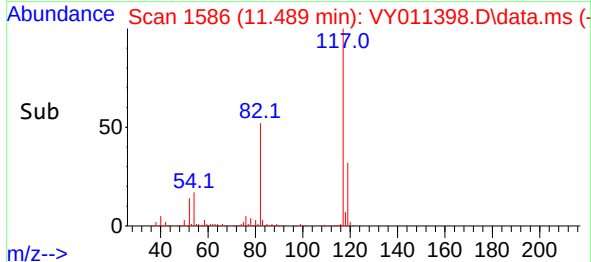
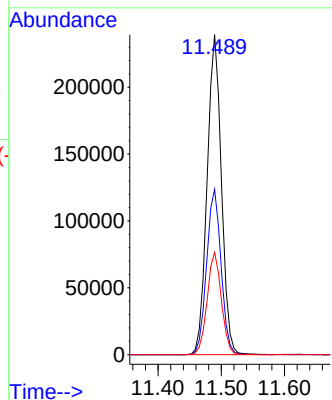
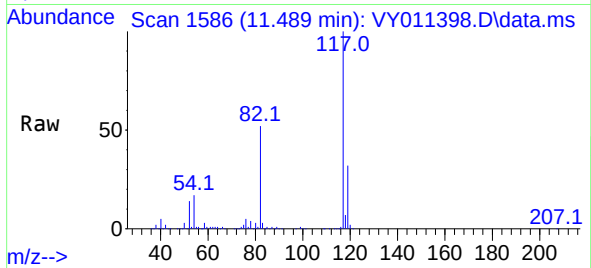




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1170
Delta R.T. -0.001 min
Lab File: VY011398.D
Acq: 10 Nov 2022 18:09

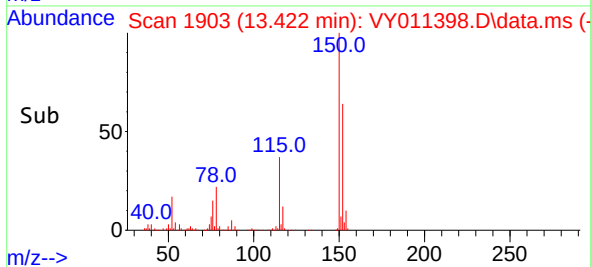
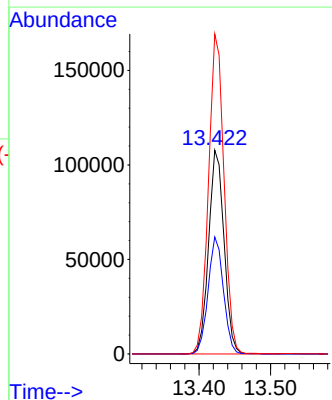
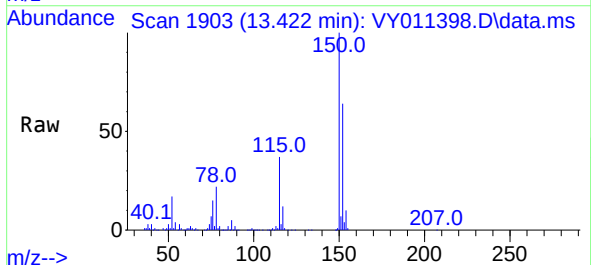
Instrument :
MSVOA_Y
ClientSampleId :
SB-30

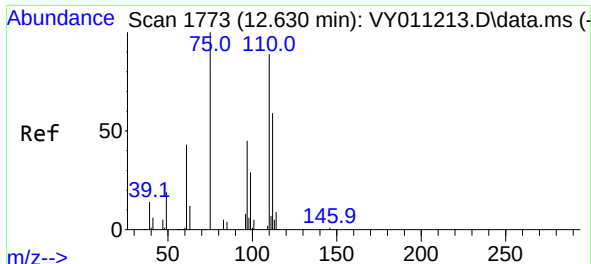
Tgt Ion:117 Resp: 376311
Ion Ratio Lower Upper
117 100
82 51.7 43.0 64.4
119 31.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY011398.D
Acq: 10 Nov 2022 18:09

Tgt Ion:152 Resp: 161833
Ion Ratio Lower Upper
152 100
115 57.0 28.2 84.7
150 157.3 0.0 347.6

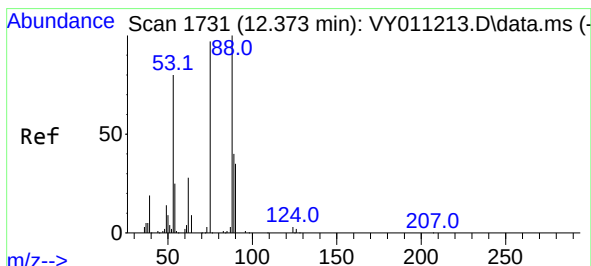
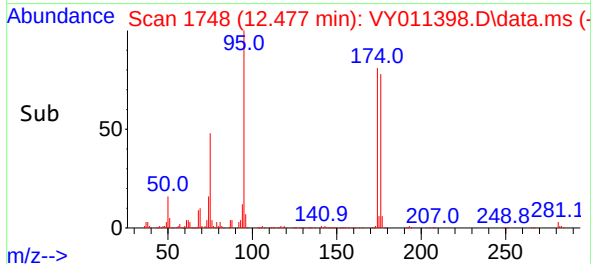
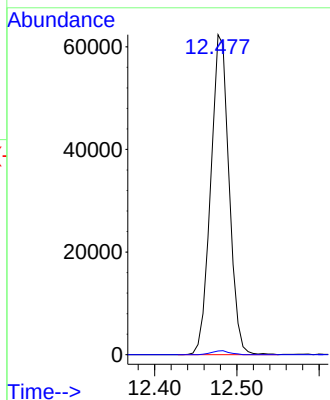
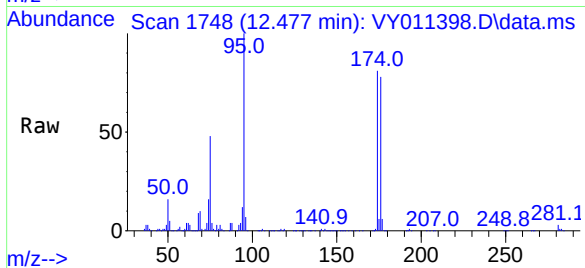




#76
1,2,3-Trichloropropane
Concen: 51.524 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011398.D
Acq: 10 Nov 2022 18:09

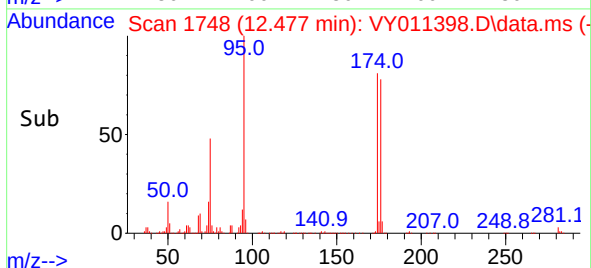
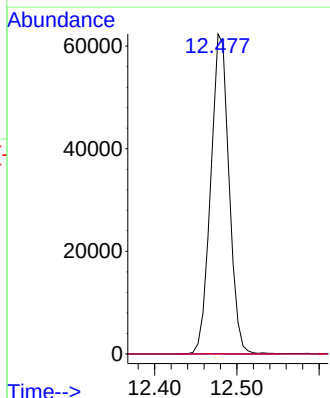
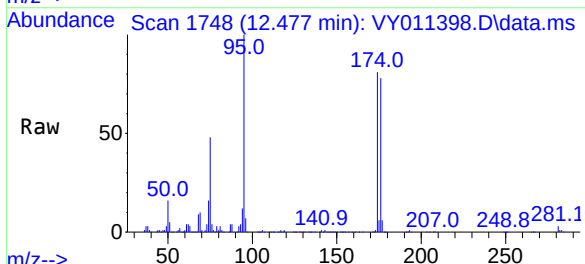
Instrument :
MSVOA_Y
ClientSampleId :
SB-30

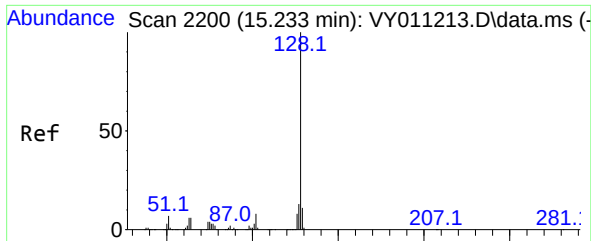
Tgt Ion: 75 Resp: 96519
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.849 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY011398.D
Acq: 10 Nov 2022 18:09

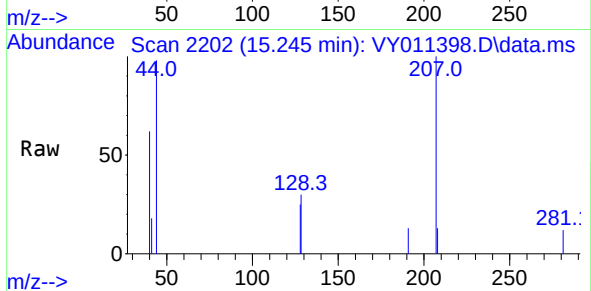
Tgt Ion: 75 Resp: 96519
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#





#95
Naphthalene
Concen: 3.327 ug/l
RT: 15.245 min Scan# 21
Delta R.T. 0.012 min
Lab File: VY011398.D
Acq: 10 Nov 2022 18:09

Instrument :
MSVOA_Y
ClientSampleId :
SB-30



Tgt Ion:128 Resp: 342
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

