

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110722\
 Data File : VY011344.D
 Acq On : 07 Nov 2022 18:41
 Operator : KP/MD
 Sample : N5378-07
 Misc : 5.44g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-15-20221028-12.5-13.5

Quant Time: Nov 08 03:30:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 01 11:56:18 2022
 Response via : Initial Calibration

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

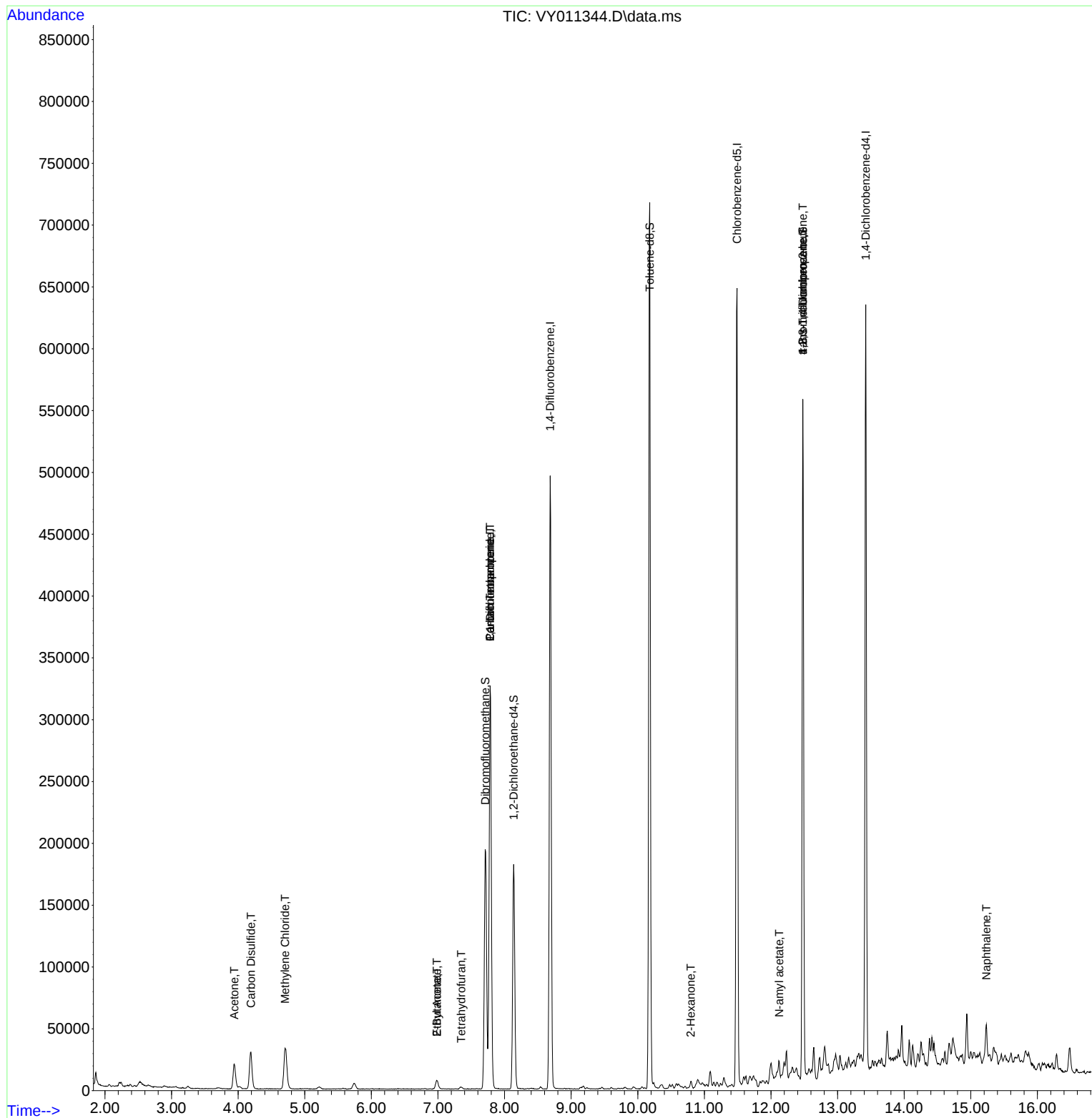
Internal Standards						
1) Pentafluorobenzene	7.783	168	262120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	440515	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	377617	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	162533	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	139154	49.638	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.280%		
35) Dibromofluoromethane	7.710	113	143636	50.750	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.500%		
50) Toluene-d8	10.179	98	485206	44.154	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	88.300%		
62) 4-Bromofluorobenzene	12.477	95	170198	44.614	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	89.220%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.936	59	108	Below Cal	#	77
13) Acrolein	3.723	56	725	Below Cal	#	53
16) Acetone	3.942	43	34334	40.573	ug/l #	83
17) Carbon Disulfide	4.192	76	63875	6.821	ug/l	100
20) Methylene Chloride	4.704	84	27568	3.266	ug/l #	83
25) 2-Butanone	6.984	43	11650	9.784	ug/l #	89
29) Tetrahydrofuran	7.350	42	1164	1.679	ug/l #	79
36) 1,1-Dichloropropene	7.783	75	18208	3.939	ug/l #	50
37) Ethyl Acetate	6.984	43	11650	4.676	ug/l #	72
38) Carbon Tetrachloride	7.783	117	24965	5.206	ug/l #	17
59) 2-Hexanone	10.795	43	2366	1.388	ug/l #	28
74) N-amyl acetate	12.124	43	3402	1.115	ug/l #	75
76) 1,2,3-Trichloropropane	12.477	75	83078	41.986	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	83078	89.856	ug/l #	7
95) Naphthalene	15.233	128	26377	7.325	ug/l	98

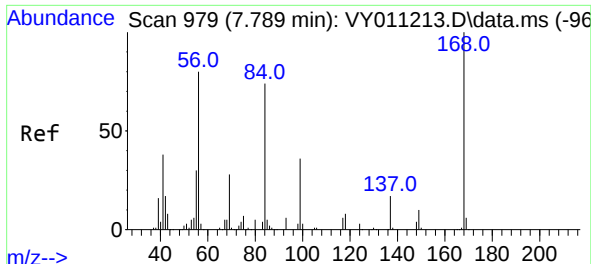
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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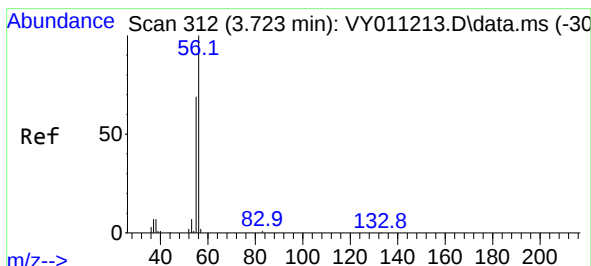
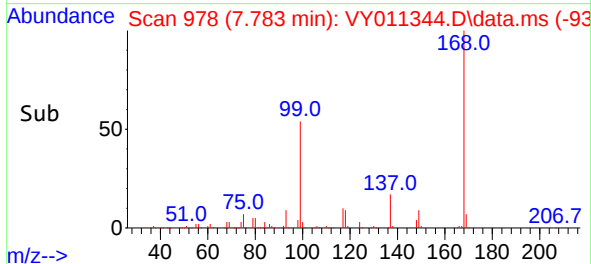
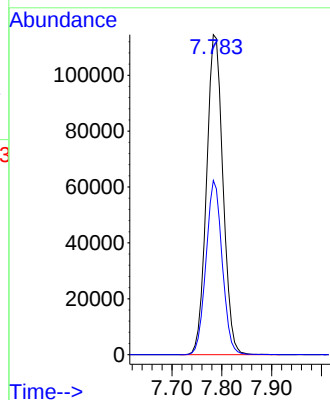
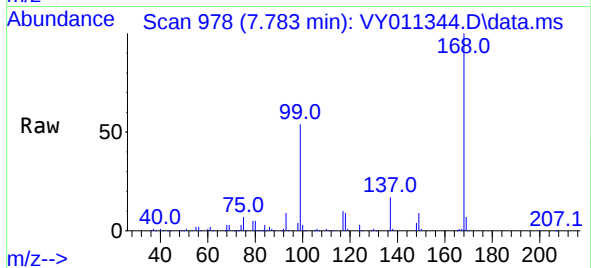




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011344.D
Acq: 07 Nov 2022 18:41

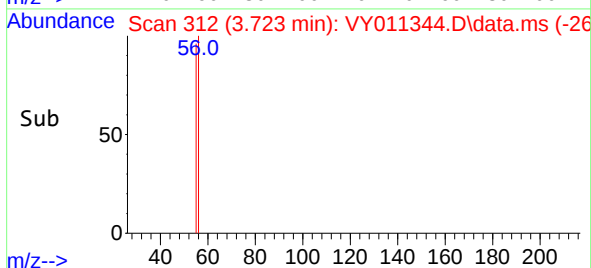
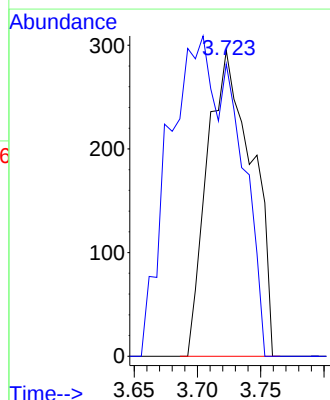
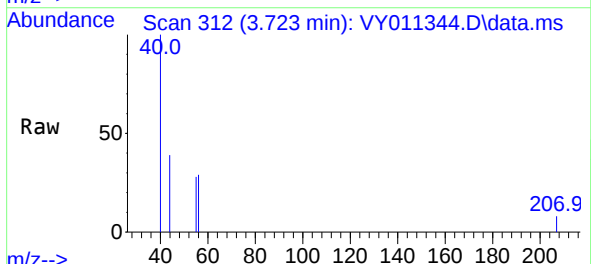
Instrument :
MSVOA_Y
ClientSampleId :
SB-15-20221028-12.5-13.5

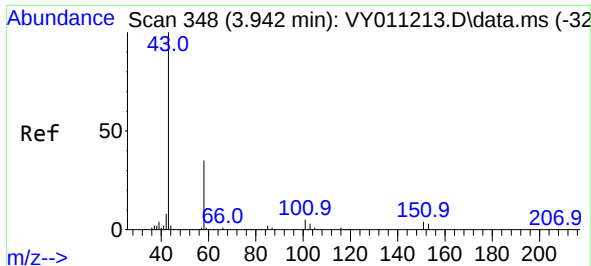
Tgt Ion:168 Resp: 262120
Ion Ratio Lower Upper
168 100
99 54.5 46.9 70.3



#13
Acrolein
Concen: Below Cal
RT: 3.723 min Scan# 312
Delta R.T. -0.000 min
Lab File: VY011344.D
Acq: 07 Nov 2022 18:41

Tgt Ion: 56 Resp: 725
Ion Ratio Lower Upper
56 100
55 111.0 57.6 86.4#

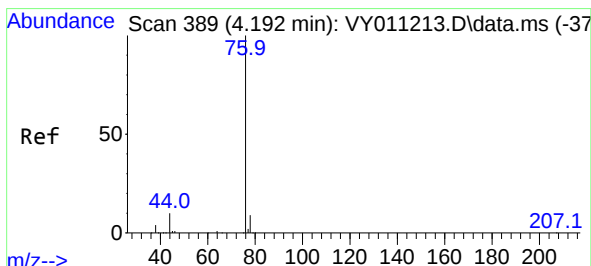
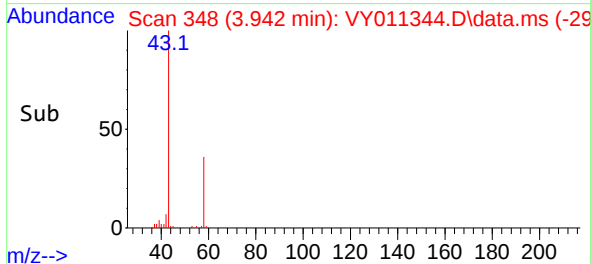
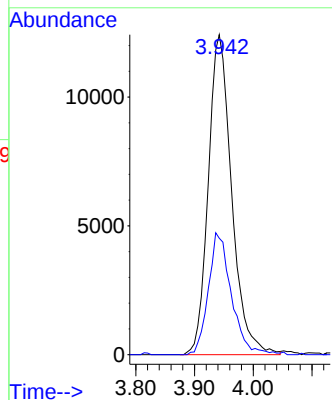
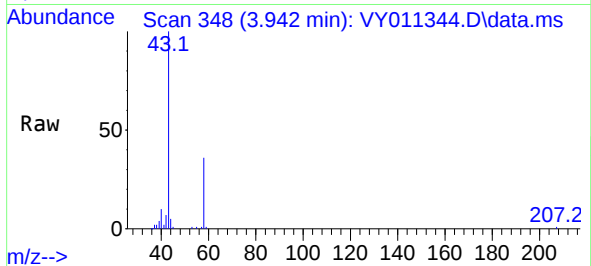




#16
Acetone
Concen: 40.573 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY011344.D
Acq: 07 Nov 2022 18:41

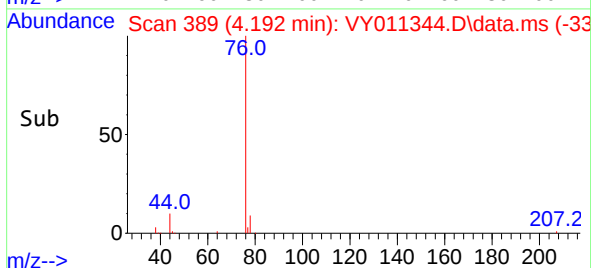
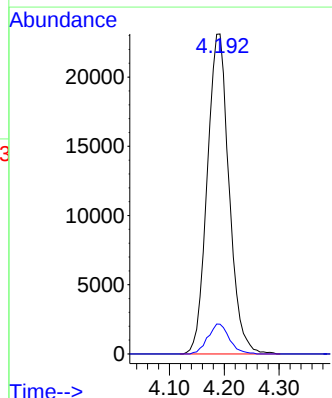
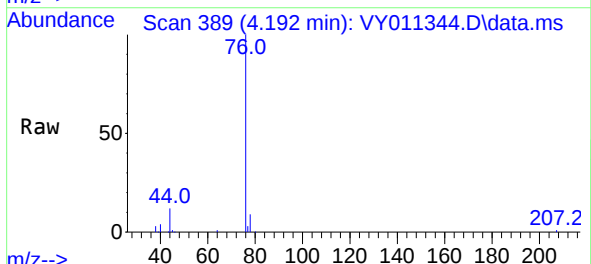
Instrument :
MSVOA_Y
ClientSampleId :
SB-15-20221028-12.5-13.5

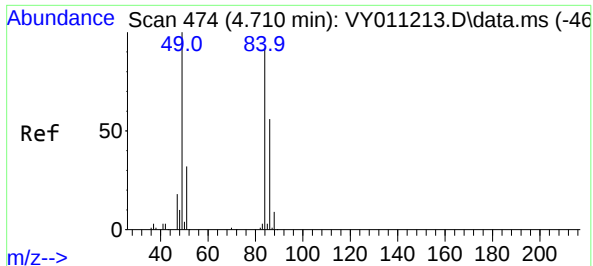
Tgt Ion: 43 Resp: 34334
Ion Ratio Lower Upper
43 100
58 36.4 22.0 33.0#



#17
Carbon Disulfide
Concen: 6.821 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.006 min
Lab File: VY011344.D
Acq: 07 Nov 2022 18:41

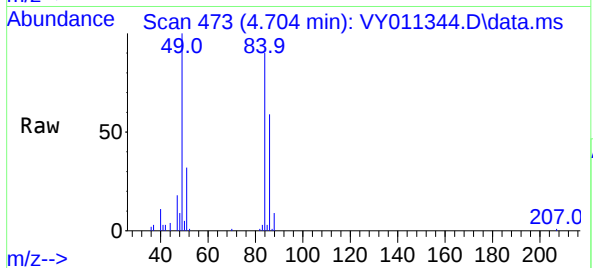
Tgt Ion: 76 Resp: 63875
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0





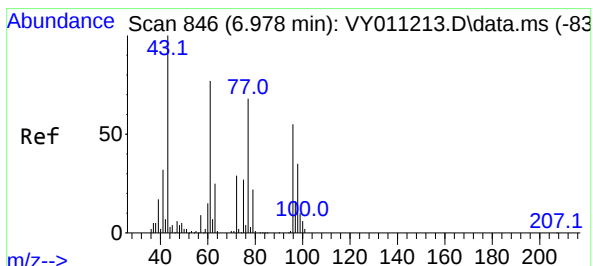
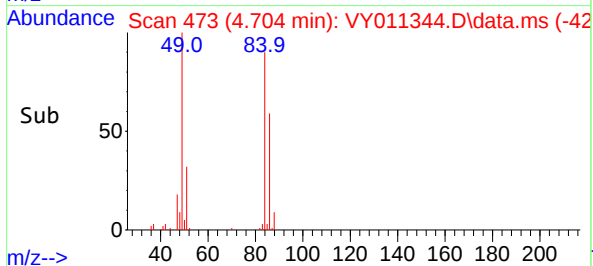
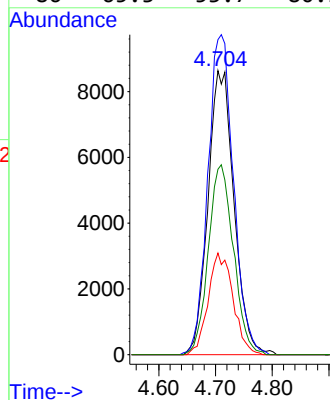
#20
Methylene Chloride
Concen: 3.266 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011344.D
Acq: 07 Nov 2022 18:41

Instrument :
MSVOA_Y
ClientSampleId :
SB-15-20221028-12.5-13.5



Tgt Ion: 84 Resp: 27568

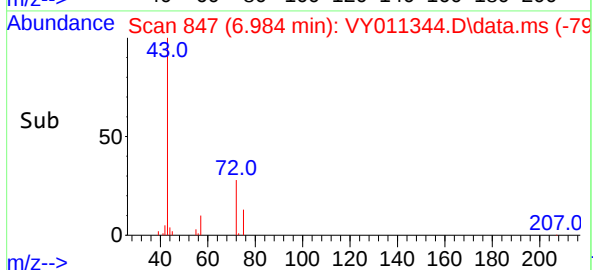
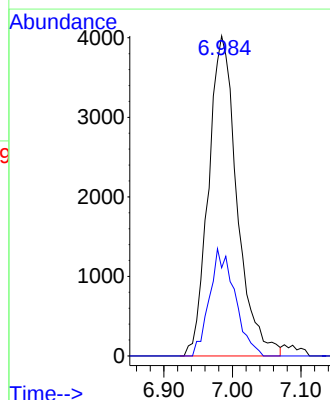
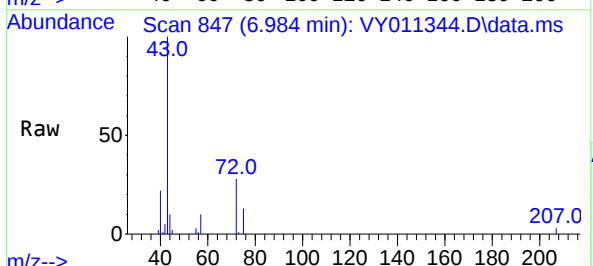
Ion	Ratio	Lower	Upper
84	100		
49	110.9	114.4	171.6#
51	35.7	35.3	52.9
86	65.3	53.7	80.5

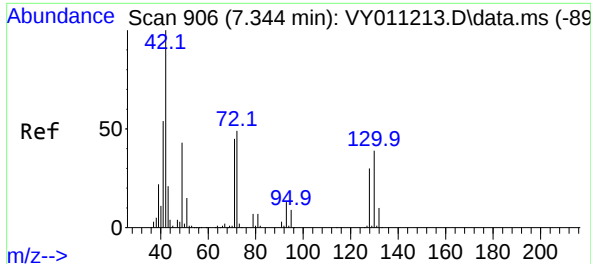


#25
2-Butanone
Concen: 9.784 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY011344.D
Acq: 07 Nov 2022 18:41

Tgt Ion: 43 Resp: 11650

Ion	Ratio	Lower	Upper
43	100		
72	27.6	17.7	26.5#





#29

Tetrahydrofuran

Concen: 1.679 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY011344.D

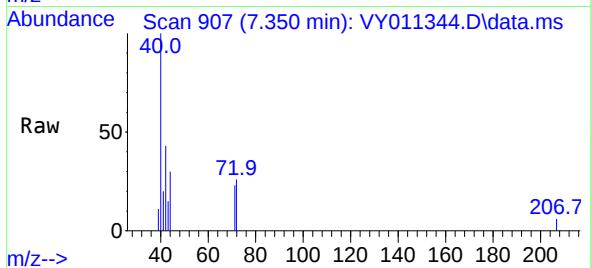
Acq: 07 Nov 2022 18:41

Instrument :

MSVOA_Y

ClientSampleId :

SB-15-20221028-12.5-13.5



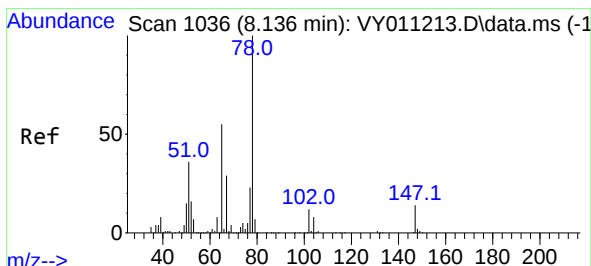
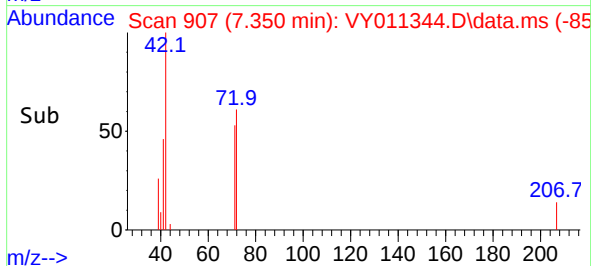
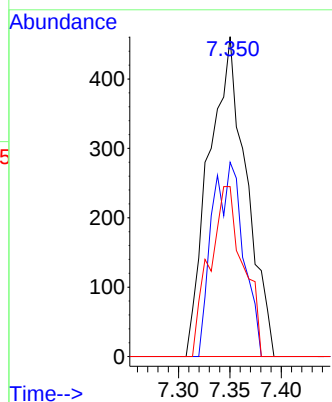
Tgt Ion: 42 Resp: 1164

Ion Ratio Lower Upper

42 100

72 50.9 30.3 45.5#

71 47.9 29.0 43.4#



#33

1,2-Dichloroethane-d4

Concen: 49.638 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.001 min

Lab File: VY011344.D

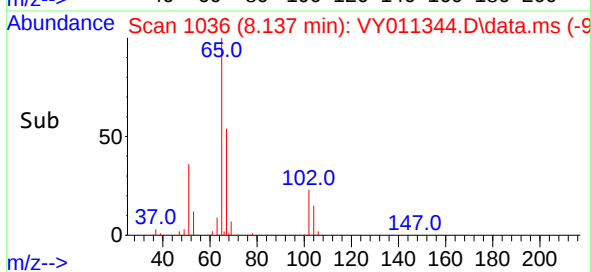
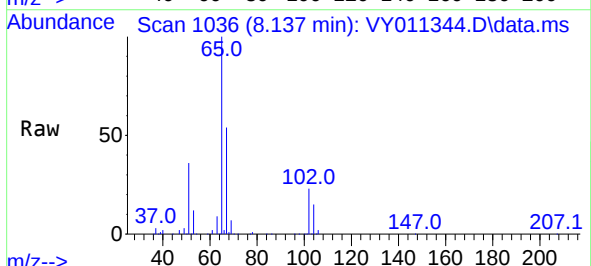
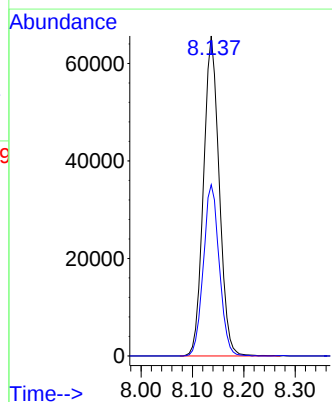
Acq: 07 Nov 2022 18:41

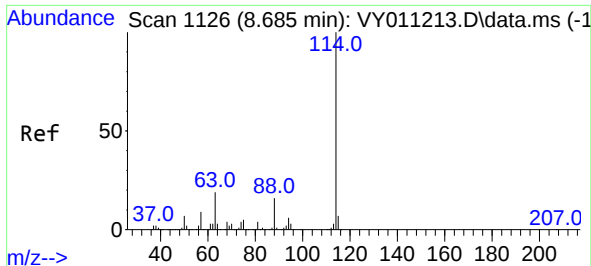
Tgt Ion: 65 Resp: 139154

Ion Ratio Lower Upper

65 100

67 54.0 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY011344.D

Acq: 07 Nov 2022 18:41

Instrument :

MSVOA_Y

ClientSampleId :

SB-15-20221028-12.5-13.5

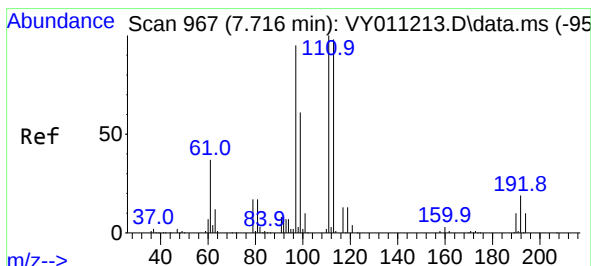
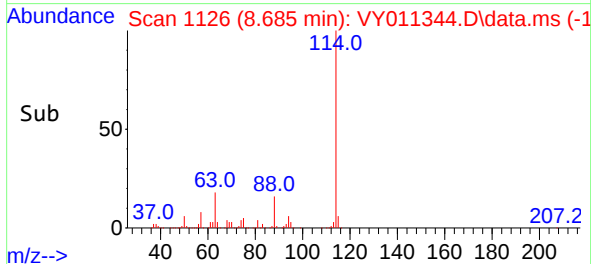
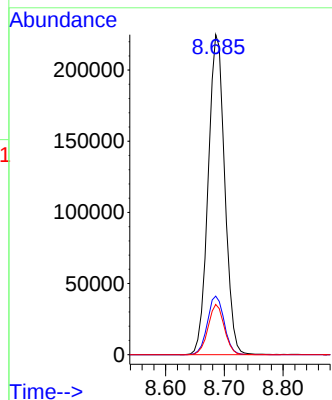
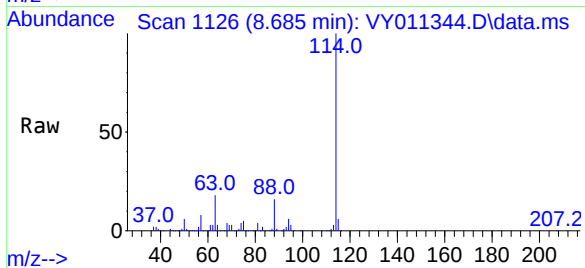
Tgt Ion:114 Resp: 440515

Ion Ratio Lower Upper

114 100

63 18.3 0.0 43.2

88 15.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 50.750 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY011344.D

Acq: 07 Nov 2022 18:41

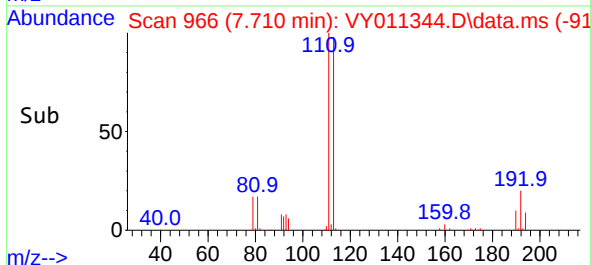
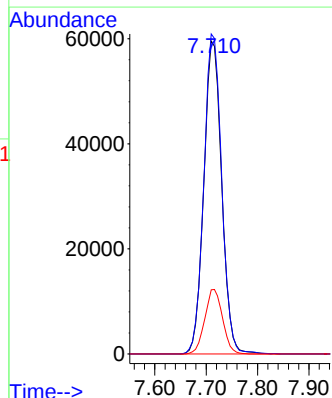
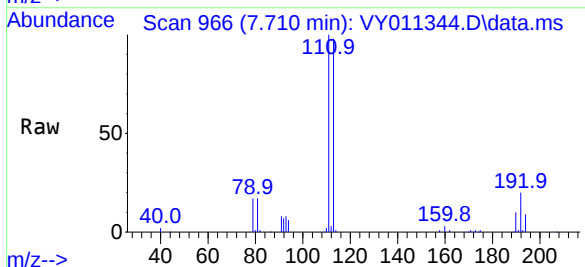
Tgt Ion:113 Resp: 143636

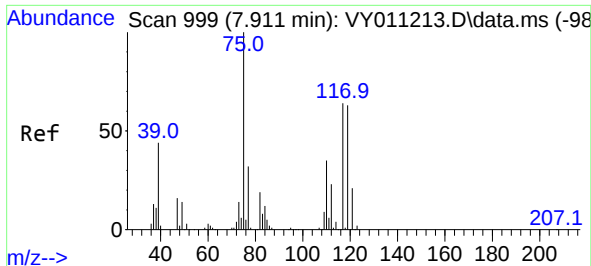
Ion Ratio Lower Upper

113 100

111 102.3 82.6 124.0

192 20.5 17.6 26.4





#36

1,1-Dichloropropene

Concen: 3.939 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY011344.D

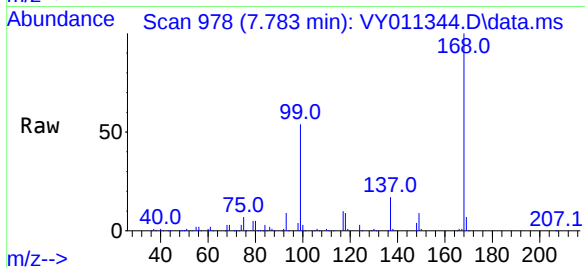
Acq: 07 Nov 2022 18:41

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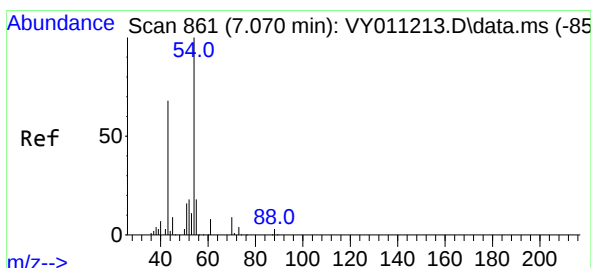
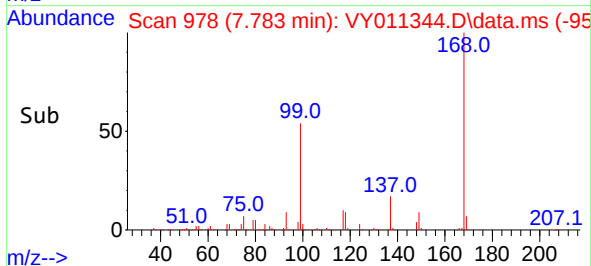
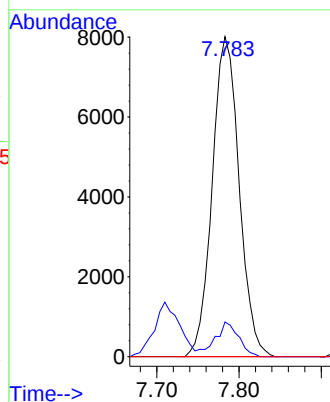
Tgt Ion: 75 Resp: 18208

Ion Ratio Lower Upper

75 100

110 8.8 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 4.676 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.086 min

Lab File: VY011344.D

Acq: 07 Nov 2022 18:41

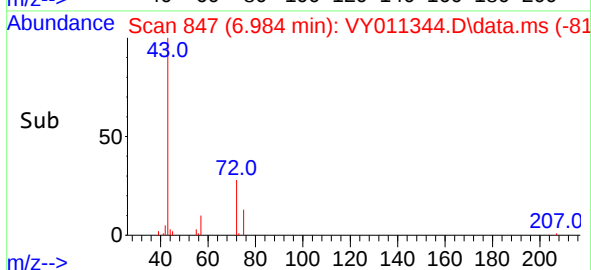
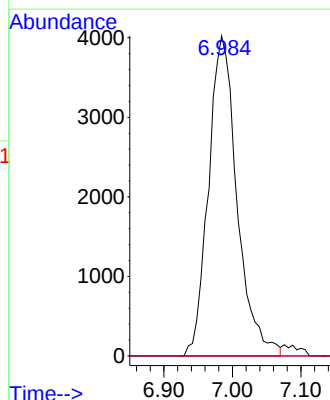
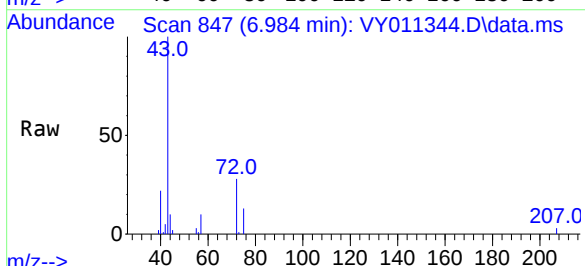
Tgt Ion: 43 Resp: 11650

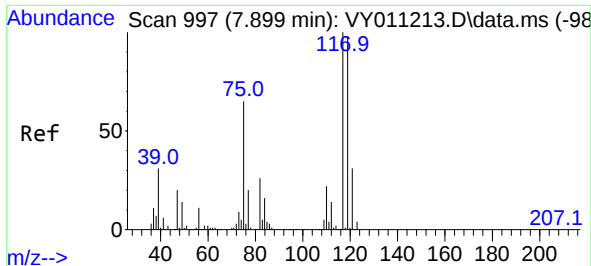
Ion Ratio Lower Upper

43 100

61 0.0 9.7 14.5#

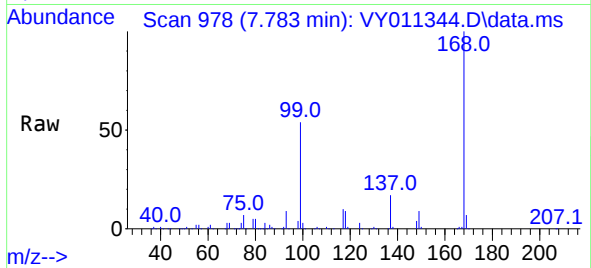
70 0.0 7.1 10.7#



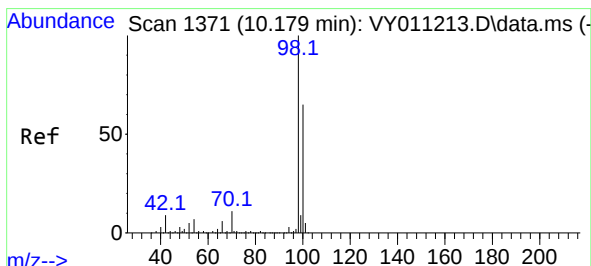
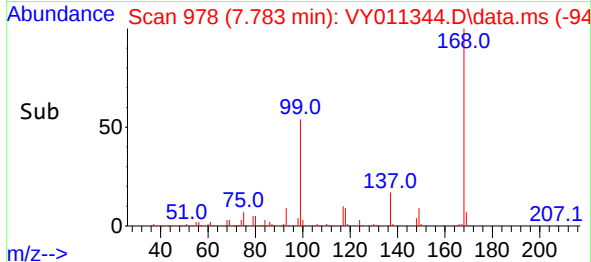
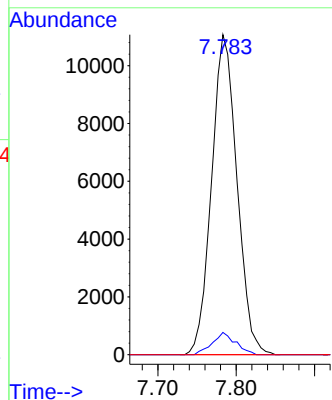


#38
Carbon Tetrachloride
Concen: 5.206 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011344.D
Acq: 07 Nov 2022 18:41

Instrument :
MSVOA_Y
ClientSampleId :
SB-15-20221028-12.5-13.5

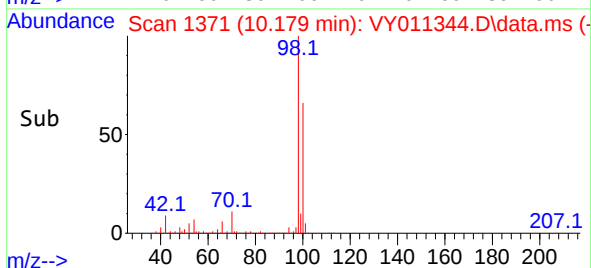
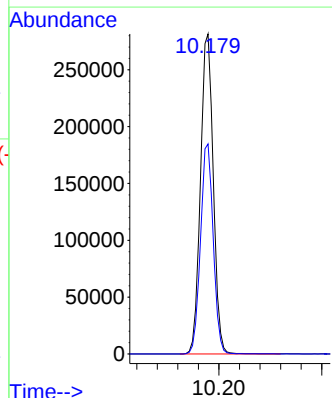
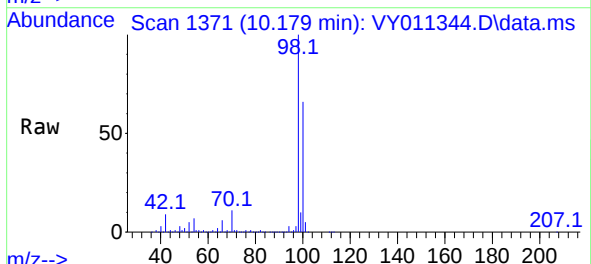


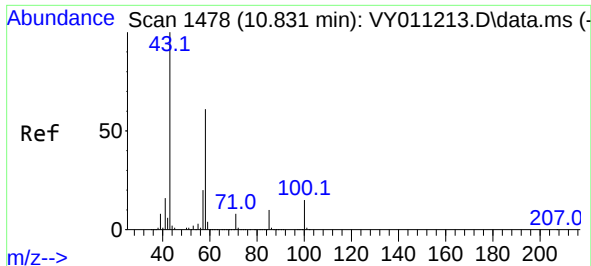
Tgt Ion:117 Resp: 24965
Ion Ratio Lower Upper
117 100
119 7.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 44.154 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011344.D
Acq: 07 Nov 2022 18:41

Tgt Ion: 98 Resp: 485206
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2

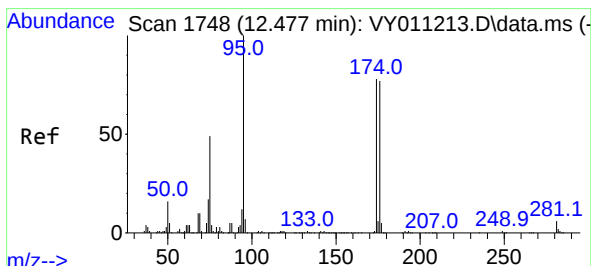
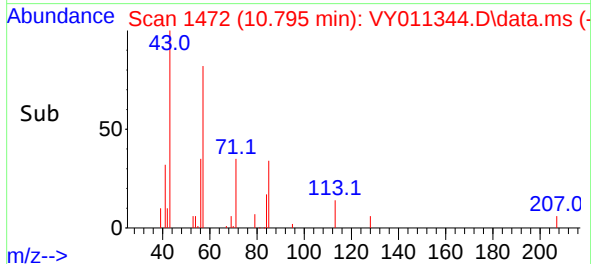
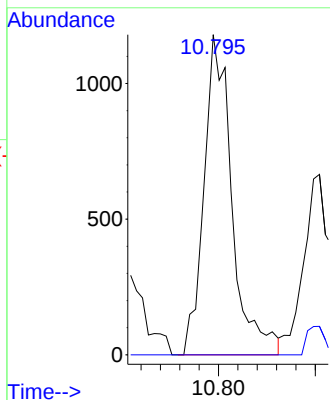
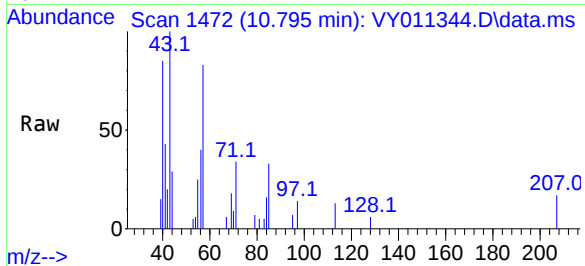




#59
2-Hexanone
Concen: 1.388 ug/l
RT: 10.795 min Scan# 1478
Delta R.T. -0.036 min
Lab File: VY011344.D
Acq: 07 Nov 2022 18:41

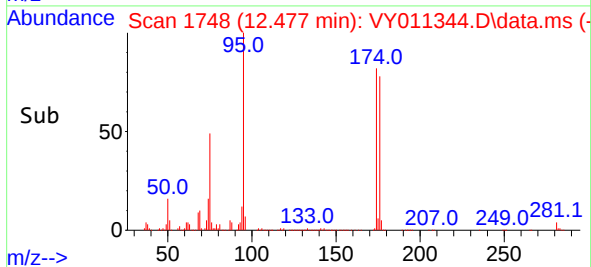
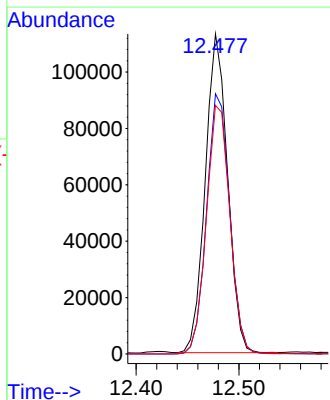
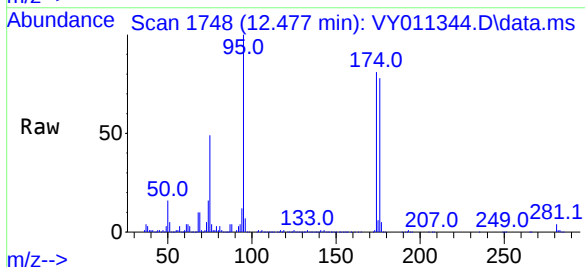
Instrument : MSVOA_Y
ClientSampleId : SB-15-20221028-12.5-13.5

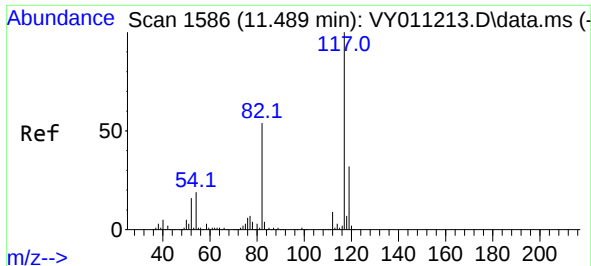
Tgt Ion: 43 Resp: 2366
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#



#62
4-Bromofluorobenzene
Concen: 44.614 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY011344.D
Acq: 07 Nov 2022 18:41

Tgt Ion: 95 Resp: 170198
Ion Ratio Lower Upper
95 100
174 84.7 0.0 177.0
176 82.3 0.0 175.8

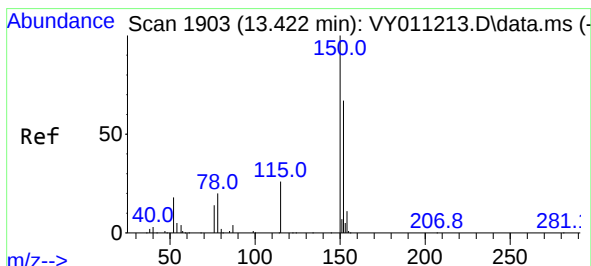
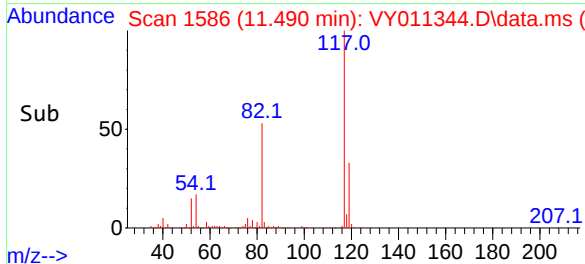
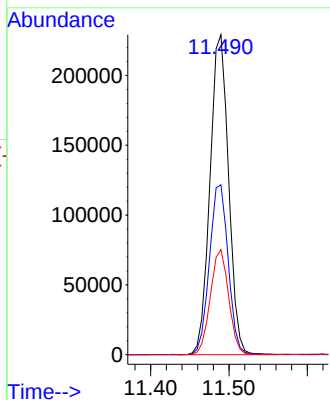
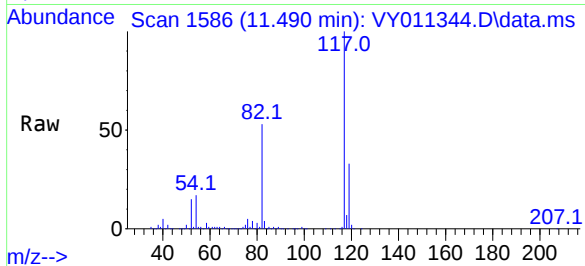




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011344.D
Acq: 07 Nov 2022 18:41

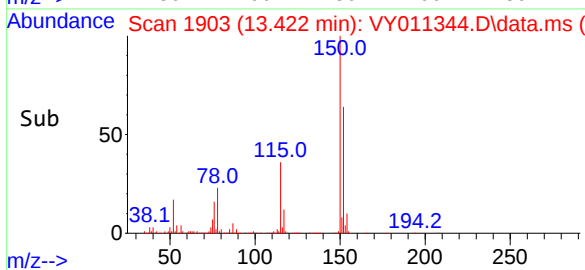
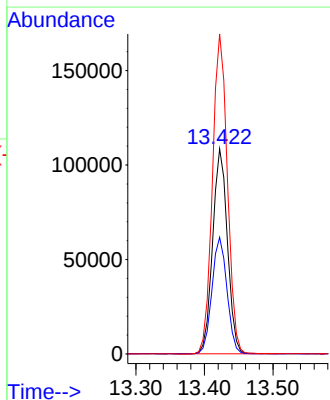
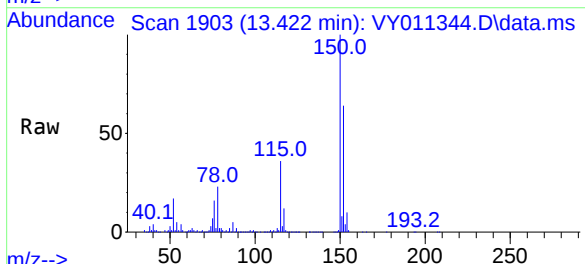
Instrument :
MSVOA_Y
ClientSampleId :
SB-15-20221028-12.5-13.5

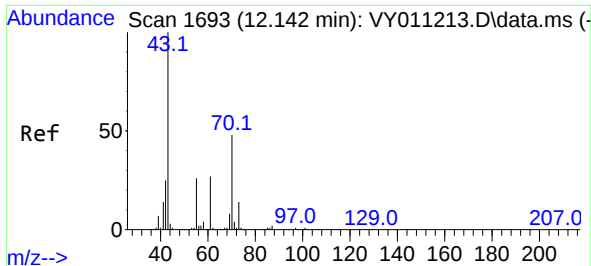
Tgt Ion:117 Resp: 377617
Ion Ratio Lower Upper
117 100
82 53.0 43.0 64.4
119 32.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011344.D
Acq: 07 Nov 2022 18:41

Tgt Ion:152 Resp: 162533
Ion Ratio Lower Upper
152 100
115 57.4 28.2 84.7
150 157.7 0.0 347.6

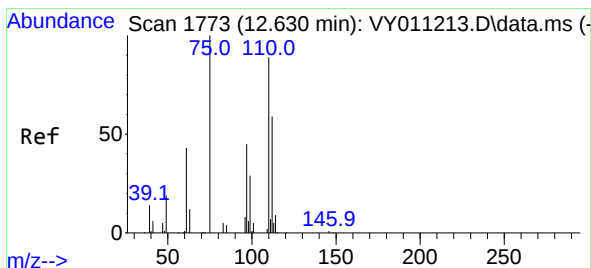
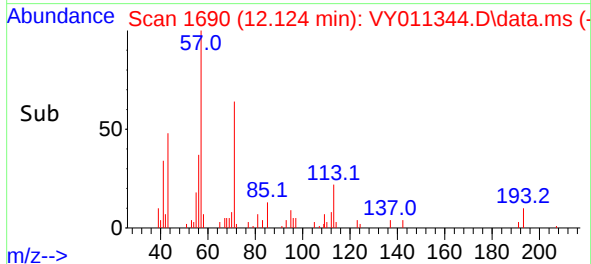
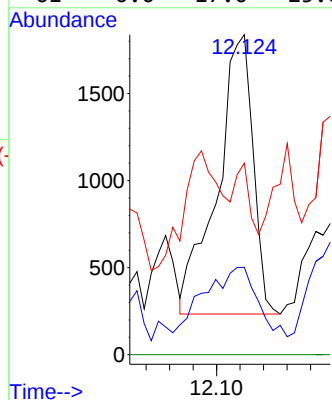
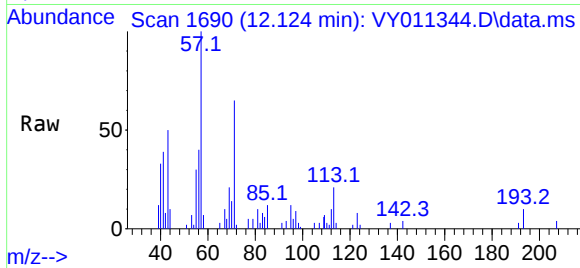




#74
N-amy1 acetate
Concen: 1.115 ug/l
RT: 12.124 min Scan# 1
Delta R.T. -0.018 min
Lab File: VY011344.D
Acq: 07 Nov 2022 18:41

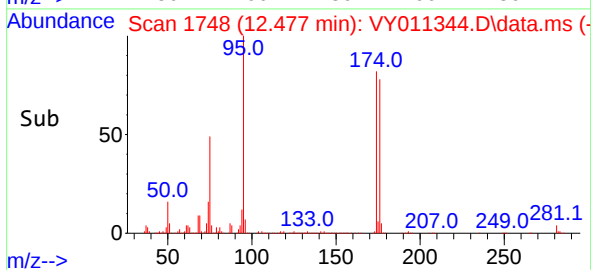
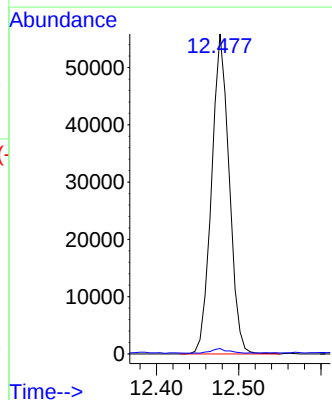
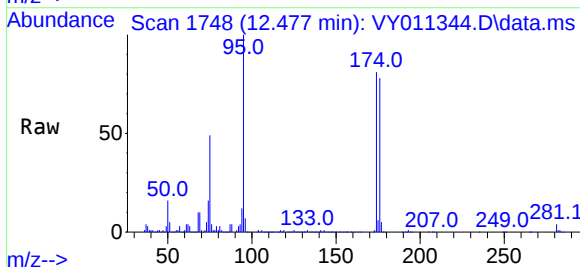
Instrument :
MSVOA_Y
ClientSampleId :
SB-15-20221028-12.5-13.5

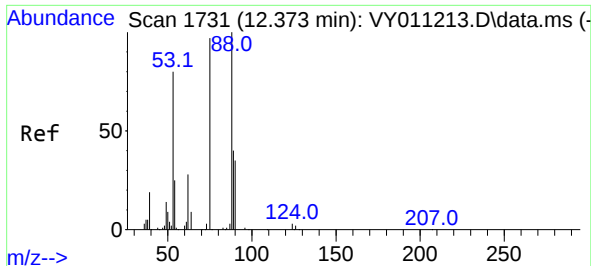
Tgt Ion:	43	Resp:	3402
Ion	Ratio	Lower	Upper
43	100		
70	36.2	28.7	43.1
55	0.0	17.3	25.9#
61	0.0	17.0	25.6#



#76
1,2,3-Trichloropropane
Concen: 41.986 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011344.D
Acq: 07 Nov 2022 18:41

Tgt Ion:	75	Resp:	83078
Ion	Ratio	Lower	Upper
75	100		
77	1.4	0.0	0.0#

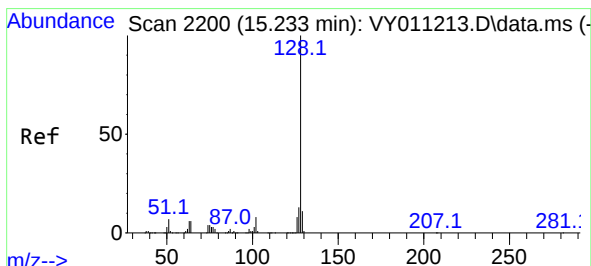
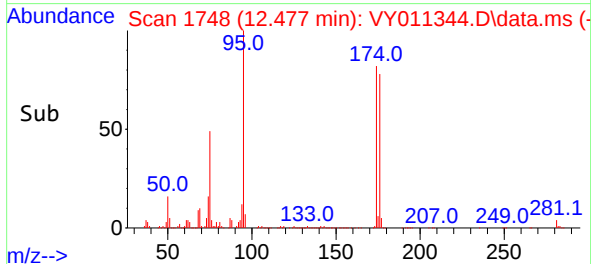
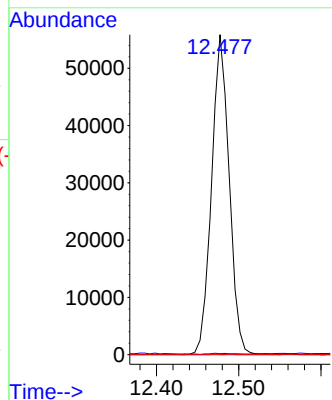
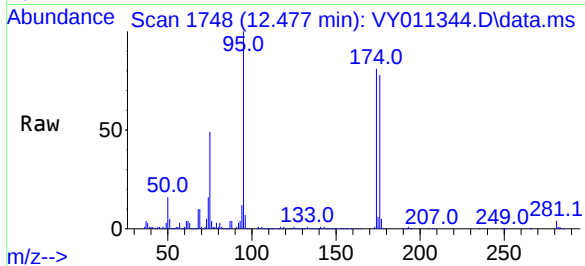




#81
trans-1,4-Dichloro-2-butene
Concen: 89.856 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY011344.D
Acq: 07 Nov 2022 18:41

Instrument :
MSVOA_Y
ClientSampleId :
SB-15-20221028-12.5-13.5

Tgt Ion: 75 Resp: 83078
Ion Ratio Lower Upper
75 100
53 0.4 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 7.325 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY011344.D
Acq: 07 Nov 2022 18:41

Tgt Ion: 128 Resp: 26377
Ion Ratio Lower Upper
128 100
127 13.2 11.0 16.4
129 11.5 8.4 12.6

