

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY113022\
 Data File : VY011637.D
 Acq On : 30 Nov 2022 13:42
 Operator : KP/MD
 Sample : N5809-03
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HOWE-DRUM-B-1129

Quant Time: Dec 01 05:23:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

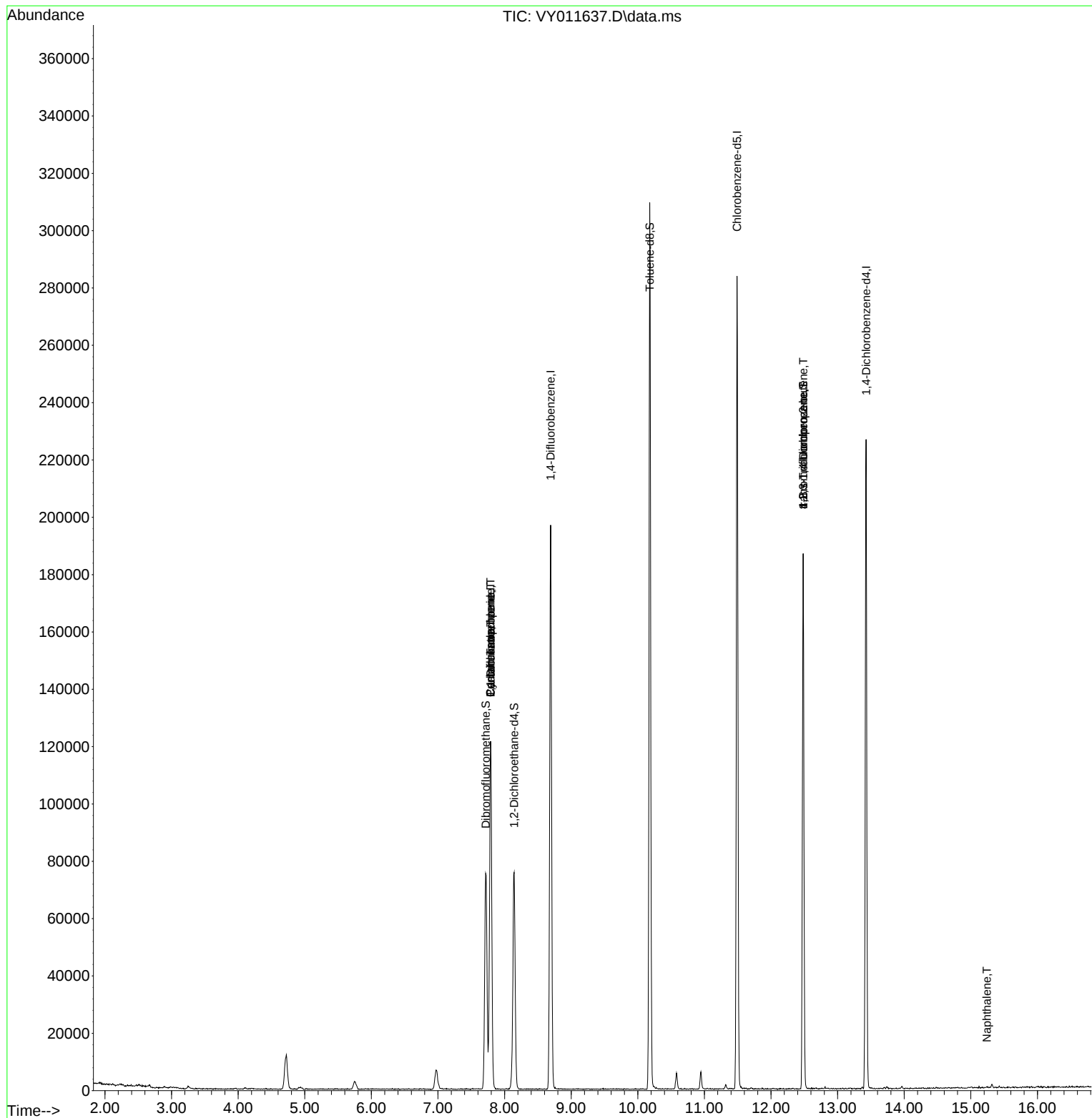
Internal Standards						
1) Pentafluorobenzene	7.789	168	93109	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	162550	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	150096	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	57859	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	58562	61.942	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.880%	
35) Dibromofluoromethane	7.716	113	54925	54.889	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.780%	
50) Toluene-d8	10.179	98	199310	54.812	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.620%	
62) 4-Bromofluorobenzene	12.483	95	55441	41.237	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 82.480%	
Target Compounds						
2) Dichlorodifluoromethane	1.900	85	77	Below Cal	#	43
3) Chloromethane	2.113	50	223	Below Cal		100
5) Bromomethane	2.668	94	238	Below Cal		92
11) Tert butyl alcohol	4.929	59	856	Below Cal	#	77
18) Methyl Acetate	4.497	43	101	Below Cal	#	56
20) Methylene Chloride	4.722	84	8840	Below Cal		88
31) Cyclohexane	7.789	56	2088	1.332	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	7548	4.826	ug/l #	50
38) Carbon Tetrachloride	7.789	117	9300	5.314	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	29469	47.294	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	29469	103.590	ug/l #	7
95) Naphthalene	15.239	128	428	4.212	ug/l #	69

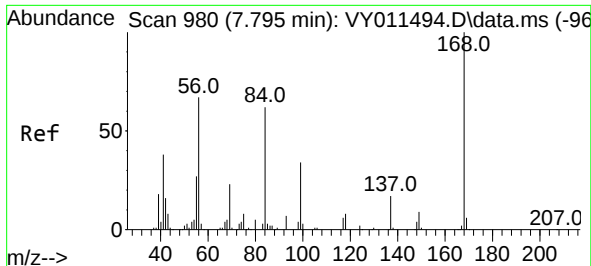
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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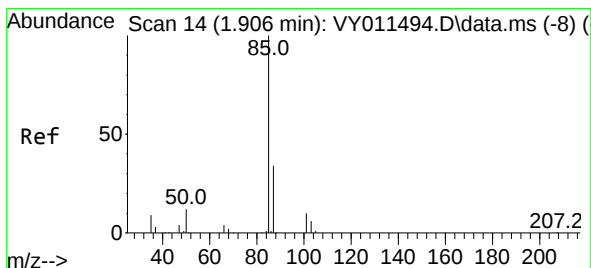
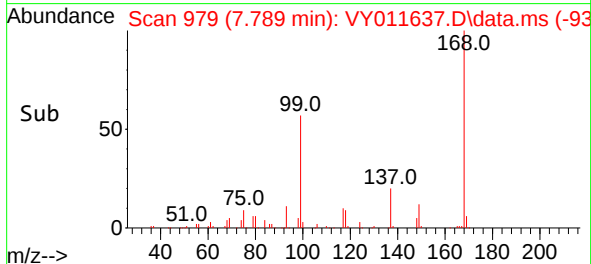
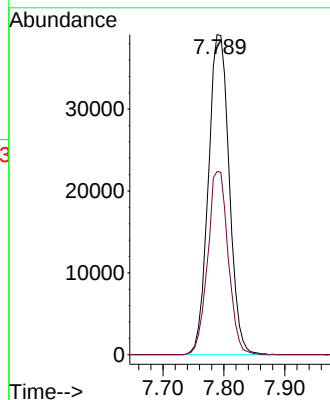
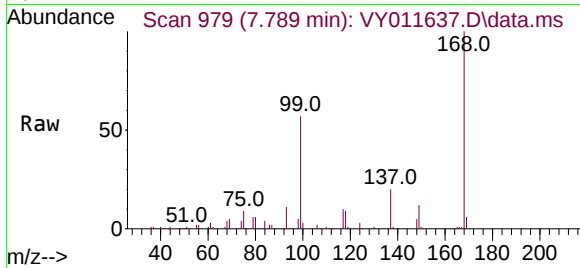




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011637.D
Acq: 30 Nov 2022 13:42

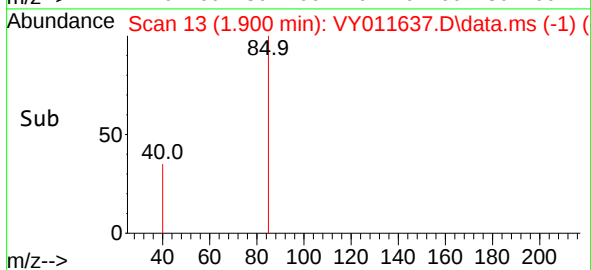
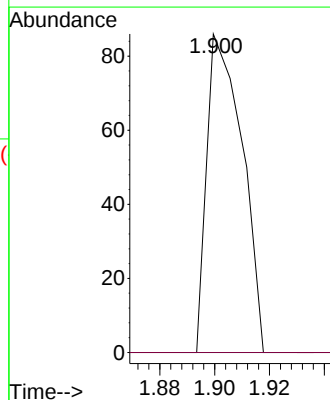
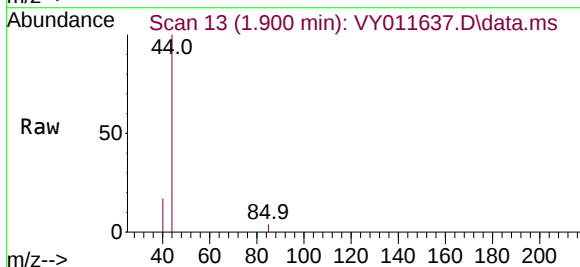
Instrument :
MSVOA_Y
ClientSampleId :
HOWE-DRUM-B-1129

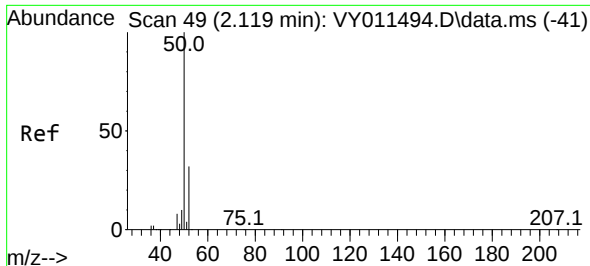
Tgt Ion:168 Resp: 93109
Ion Ratio Lower Upper
168 100
99 57.3 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY011637.D
Acq: 30 Nov 2022 13:42

Tgt Ion: 85 Resp: 77
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

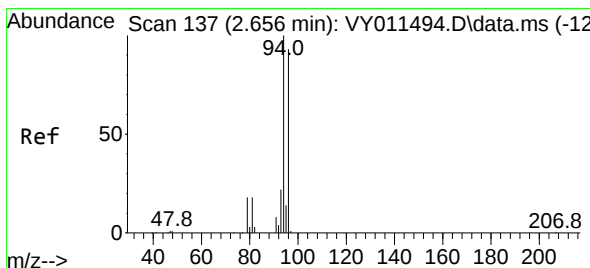
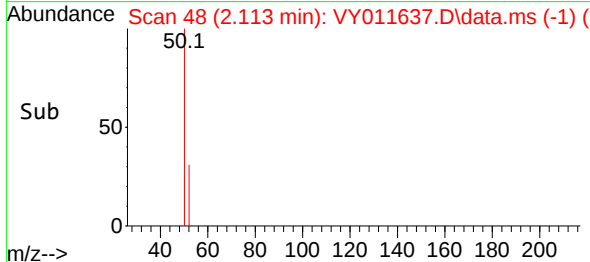
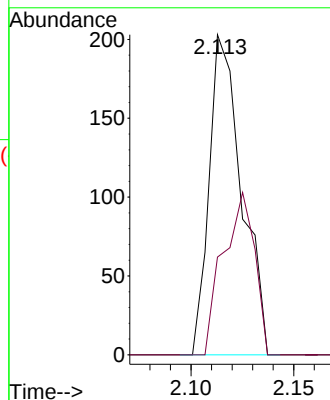
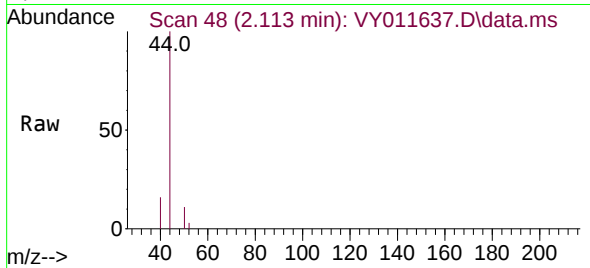




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011637.D
Acq: 30 Nov 2022 13:42

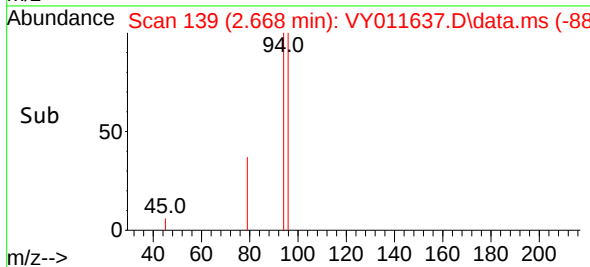
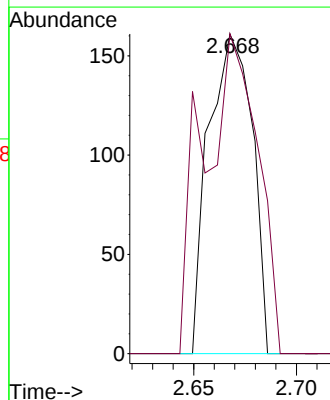
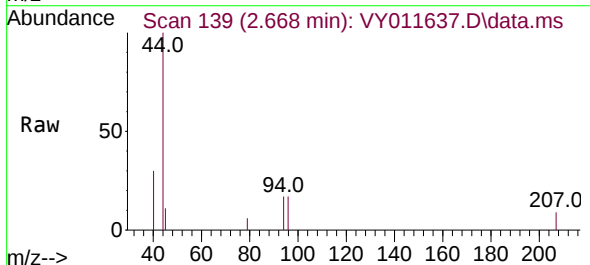
Instrument :
MSVOA_Y
ClientSampleId :
HOWE-DRUM-B-1129

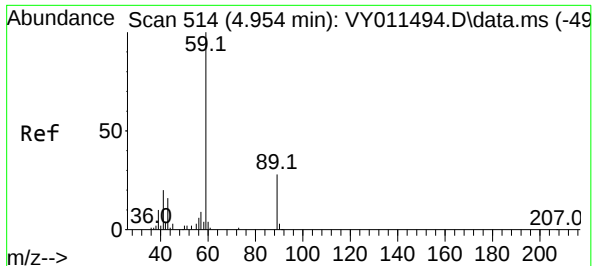
Tgt Ion: 50 Resp: 223
Ion Ratio Lower Upper
50 100
52 30.5 24.6 37.0



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.012 min
Lab File: VY011637.D
Acq: 30 Nov 2022 13:42

Tgt Ion: 94 Resp: 238
Ion Ratio Lower Upper
94 100
96 100.0 73.5 110.3





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.929 min Scan# 514

Delta R.T. -0.025 min

Lab File: VY011637.D

Acq: 30 Nov 2022 13:42

Instrument :

MSVOA_Y

ClientSampleId :

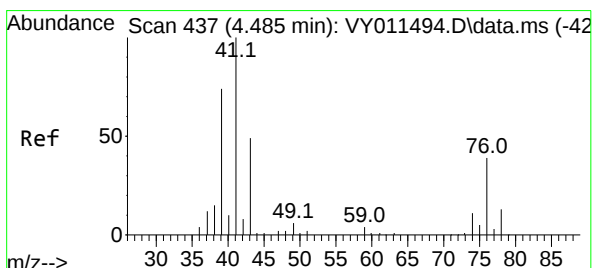
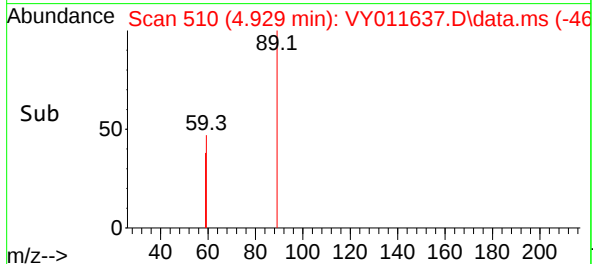
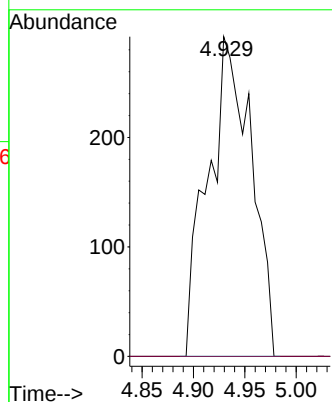
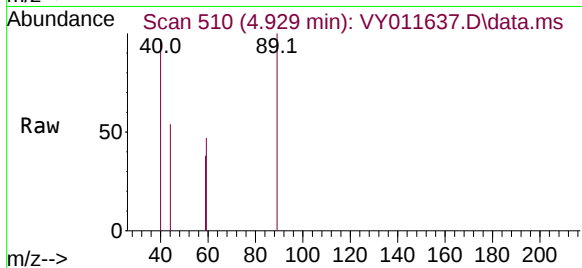
HOWE-DRUM-B-1129

Tgt Ion: 59 Resp: 856

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.497 min Scan# 439

Delta R.T. 0.012 min

Lab File: VY011637.D

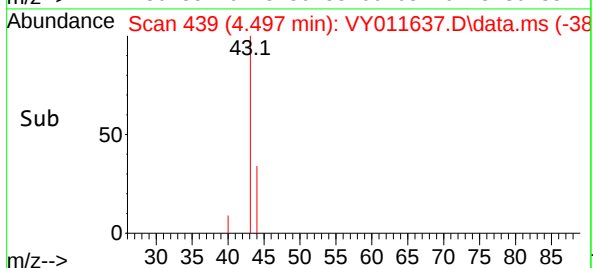
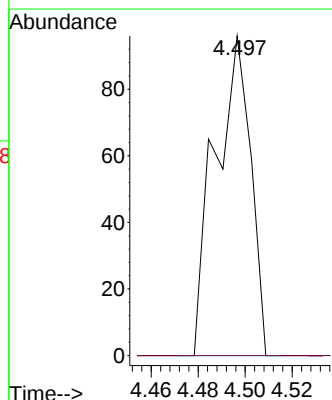
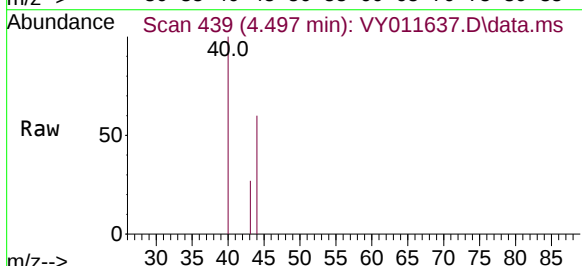
Acq: 30 Nov 2022 13:42

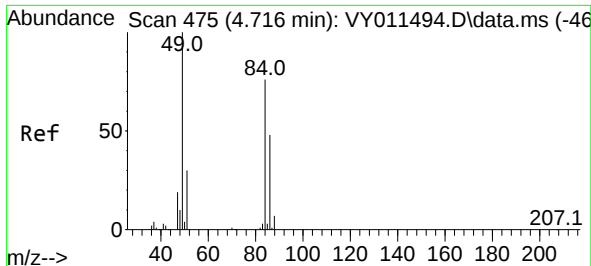
Tgt Ion: 43 Resp: 101

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#

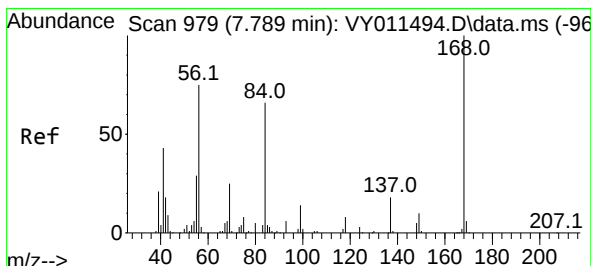
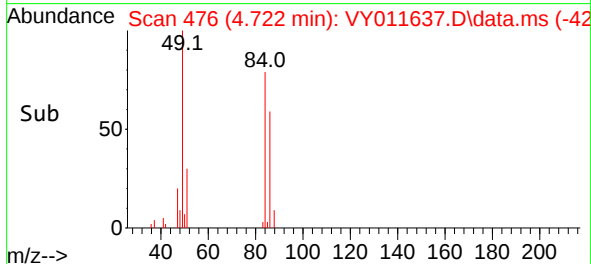
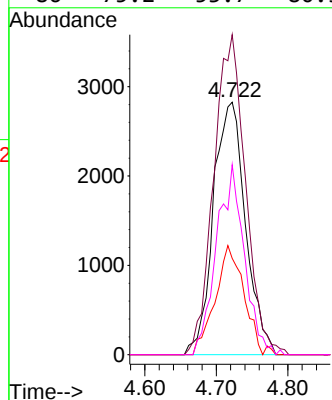
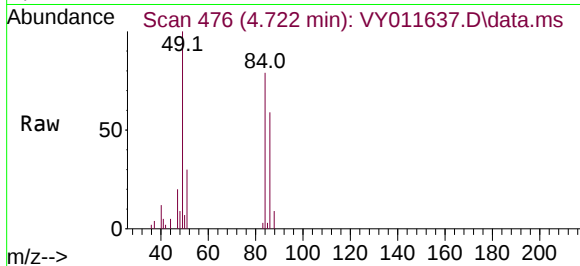




#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY011637.D
Acq: 30 Nov 2022 13:42

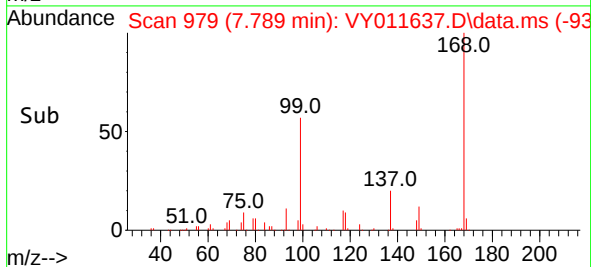
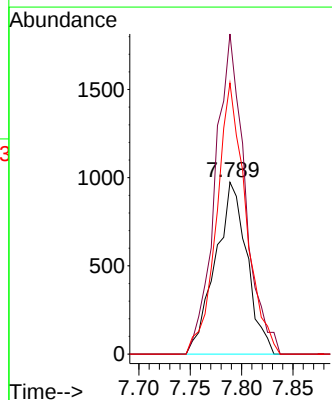
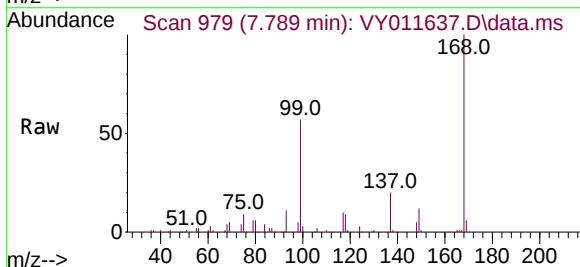
Instrument :
MSVOA_Y
ClientSampleId :
HOWE-DRUM-B-1129

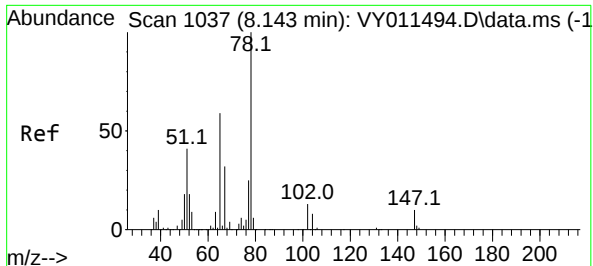
Tgt Ion:	84	Resp:	8840
Ion	Ratio	Lower	Upper
84	100		
49	126.7	114.4	171.6
51	38.1	35.3	52.9
86	75.2	53.7	80.5



#31
Cyclohexane
Concen: 1.332 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY011637.D
Acq: 30 Nov 2022 13:42

Tgt Ion:	56	Resp:	2088
Ion	Ratio	Lower	Upper
56	100		
69	186.3	26.7	40.1#
84	157.8	67.2	100.8#





#33

1,2-Dichloroethane-d4

Concen: 61.942 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY011637.D

Acq: 30 Nov 2022 13:42

Instrument :

MSVOA_Y

ClientSampleId :

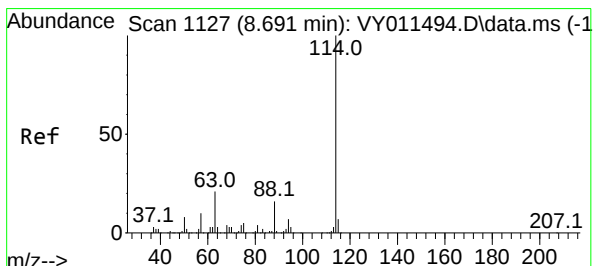
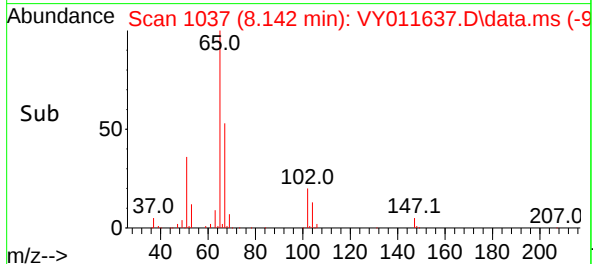
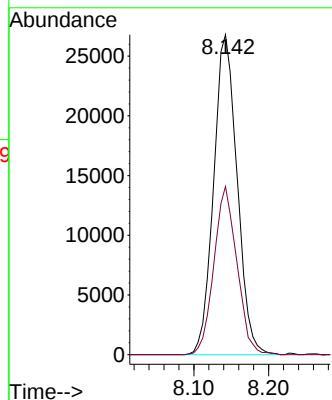
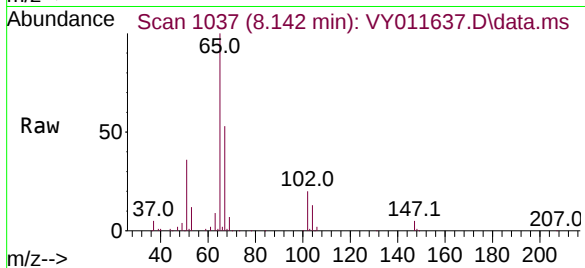
HOWE-DRUM-B-1129

Tgt Ion: 65 Resp: 58562

Ion Ratio Lower Upper

65 100

67 51.5 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: VY011637.D

Acq: 30 Nov 2022 13:42

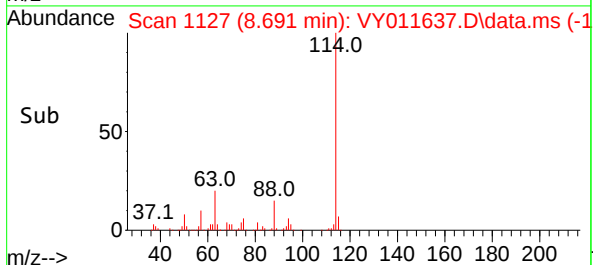
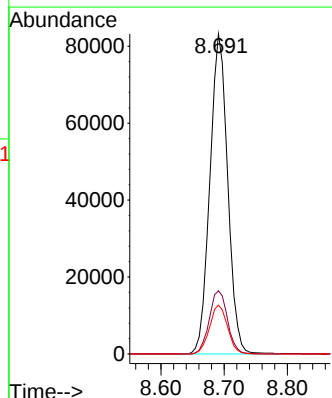
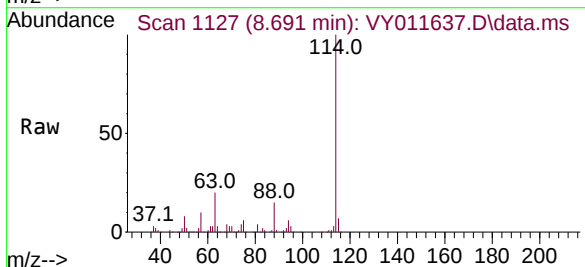
Tgt Ion: 114 Resp: 162550

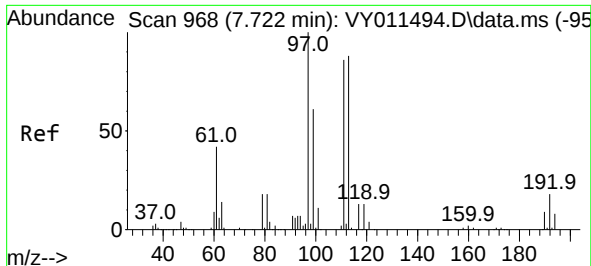
Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.2

88 15.3 0.0 31.8

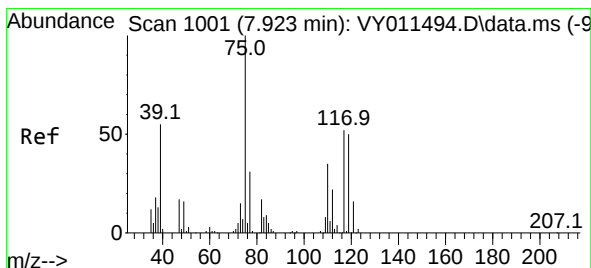
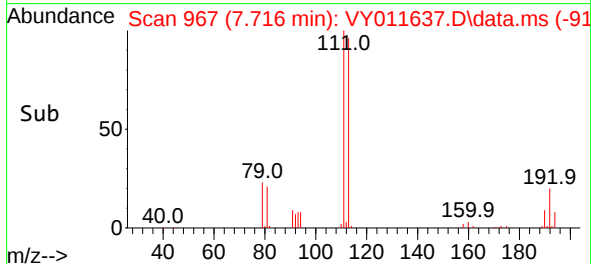
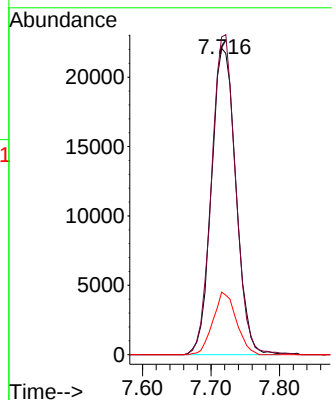
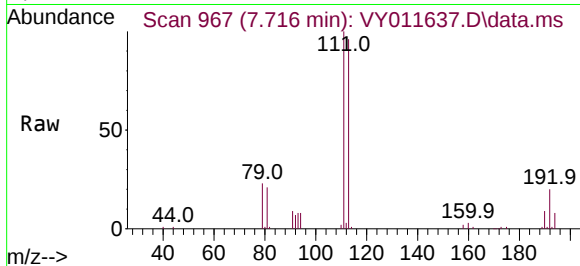




#35
Dibromofluoromethane
Concen: 54.889 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY011637.D
Acq: 30 Nov 2022 13:42

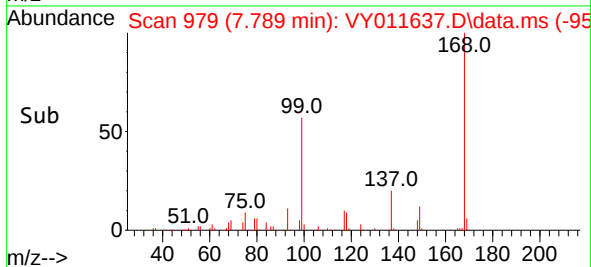
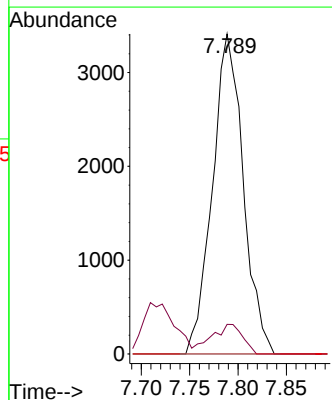
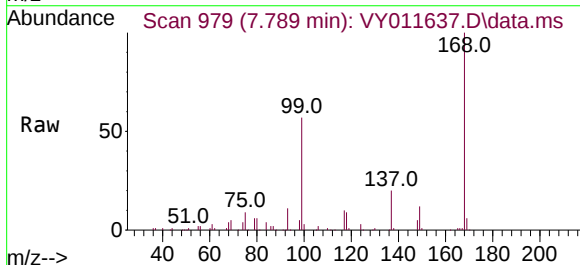
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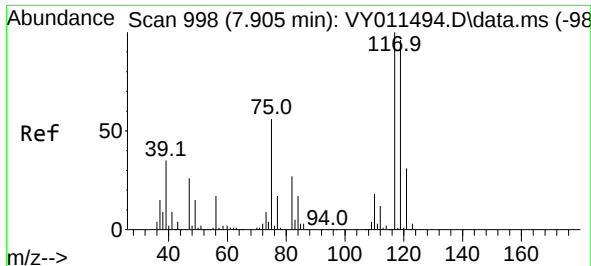
Tgt Ion:113 Resp: 54925
Ion Ratio Lower Upper
113 100
111 102.3 82.6 124.0
192 19.4 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.826 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY011637.D
Acq: 30 Nov 2022 13:42

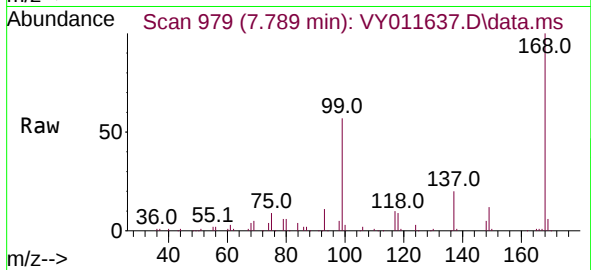
Tgt Ion: 75 Resp: 7548
Ion Ratio Lower Upper
75 100
110 8.9 17.1 51.2#
77 0.0 24.4 36.6#



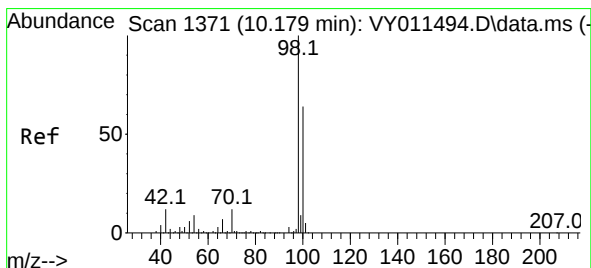
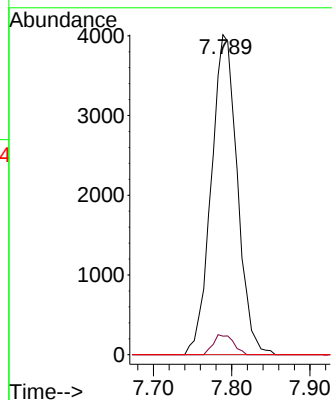
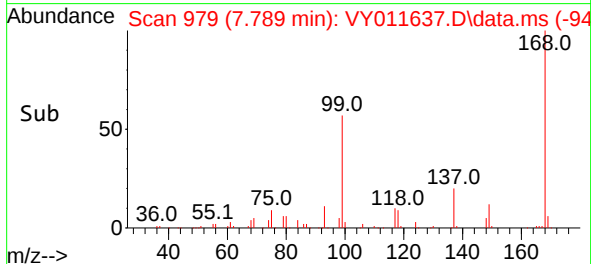


#38
Carbon Tetrachloride
Concen: 5.314 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011637.D
Acq: 30 Nov 2022 13:42

Instrument :
MSVOA_Y
ClientSampleId :
HOWE-DRUM-B-1129

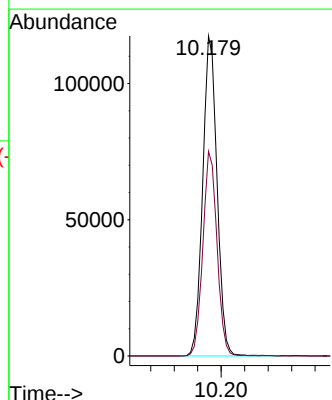
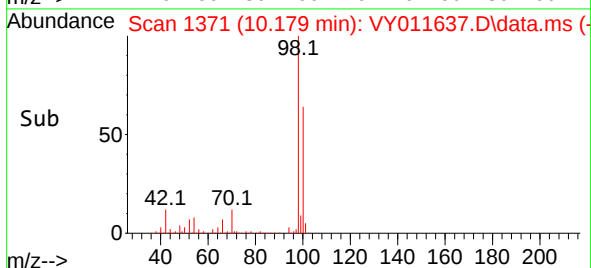
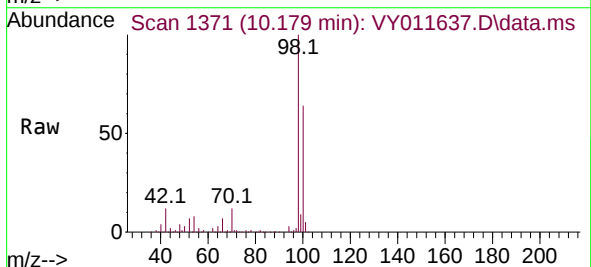


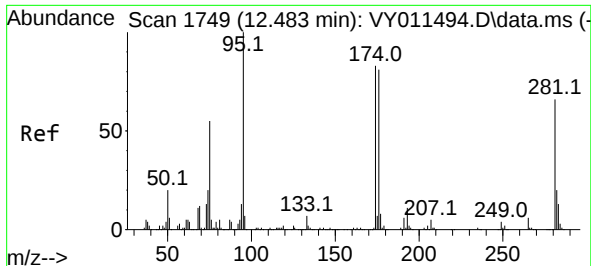
Tgt Ion:117 Resp: 9300
Ion Ratio Lower Upper
117 100
119 5.8 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 54.812 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY011637.D
Acq: 30 Nov 2022 13:42

Tgt Ion: 98 Resp: 199310
Ion Ratio Lower Upper
98 100
100 63.0 50.2 75.2





#62

4-Bromofluorobenzene

Concen: 41.237 ug/l

RT: 12.483 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY011637.D

Acq: 30 Nov 2022 13:42

Instrument :

MSVOA_Y

ClientSampleId :

HOWE-DRUM-B-1129

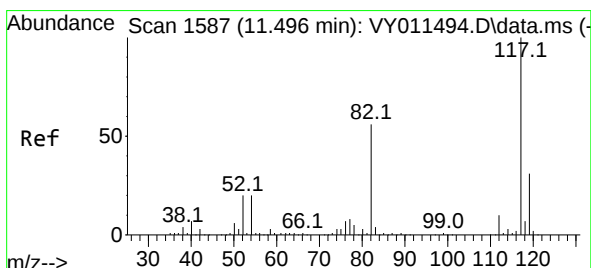
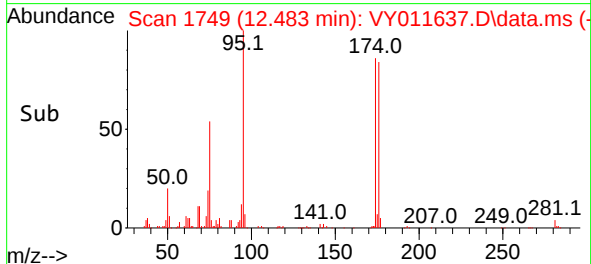
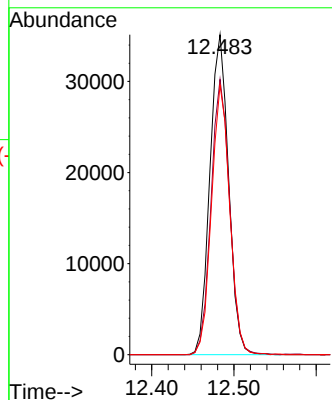
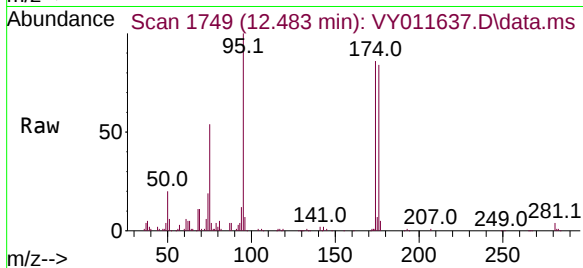
Tgt Ion: 95 Resp: 55441

Ion Ratio Lower Upper

95 100

174 85.4 0.0 177.0

176 82.3 0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. -0.007 min

Lab File: VY011637.D

Acq: 30 Nov 2022 13:42

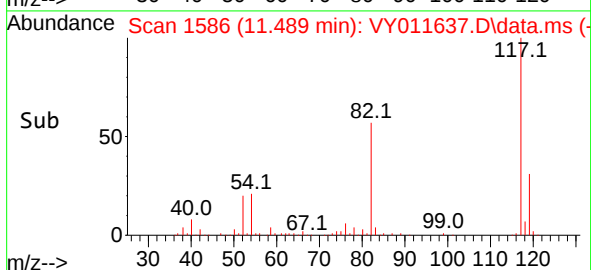
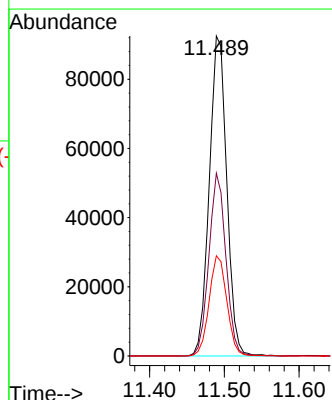
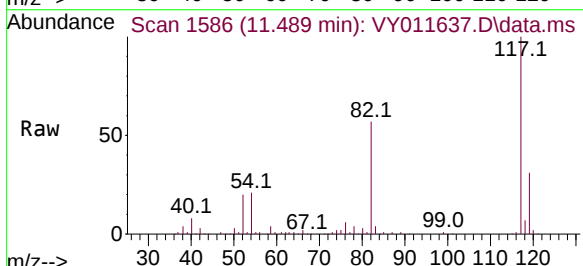
Tgt Ion: 117 Resp: 150096

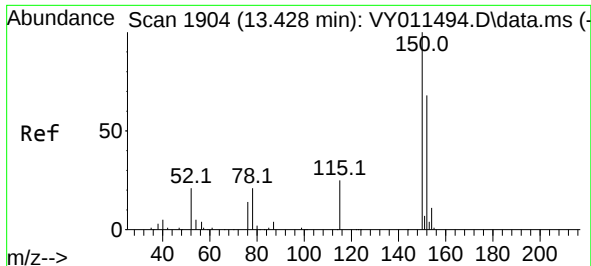
Ion Ratio Lower Upper

117 100

82 57.1 43.0 64.4

119 31.3 25.4 38.0

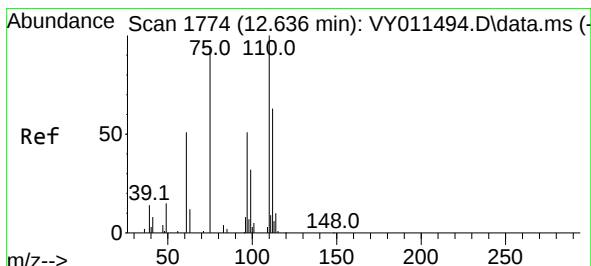
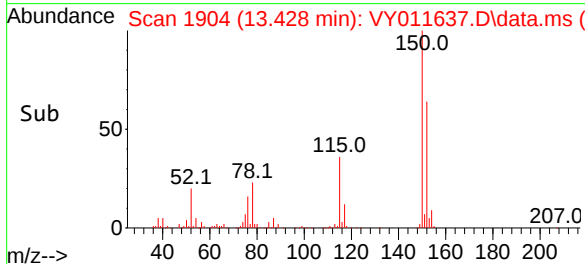
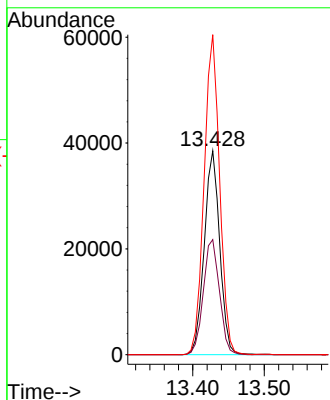
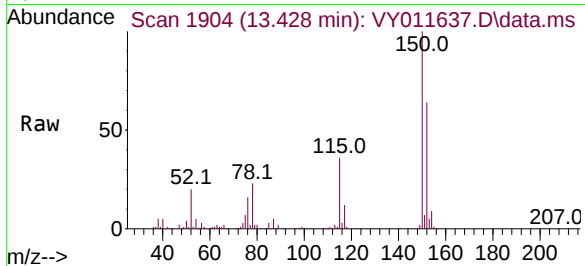




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY011637.D
 Acq: 30 Nov 2022 13:42

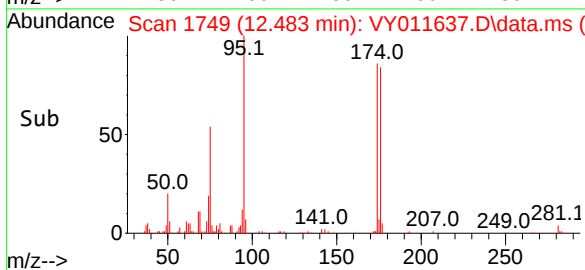
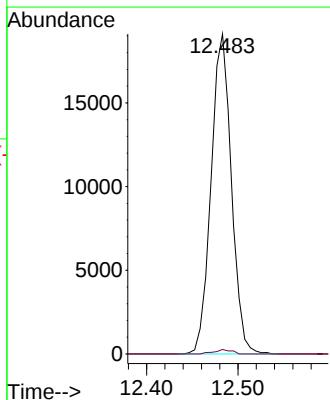
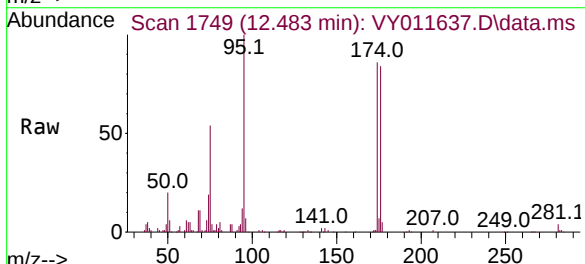
Instrument :
 MSVOA_Y
 ClientSampleId :
 HOWE-DRUM-B-1129

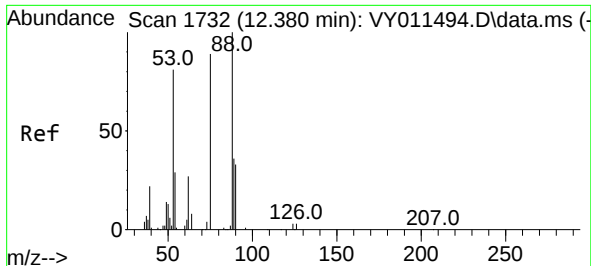
Tgt Ion:152 Resp: 57859
 Ion Ratio Lower Upper
 152 100
 115 58.8 28.2 84.7
 150 157.6 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 47.294 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY011637.D
 Acq: 30 Nov 2022 13:42

Tgt Ion: 75 Resp: 29469
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

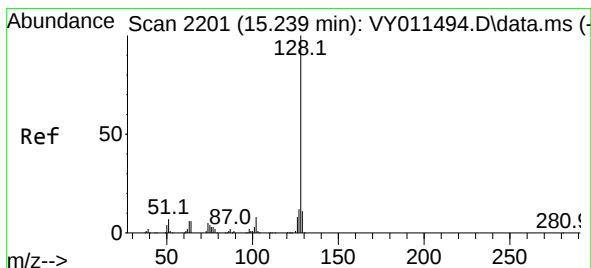
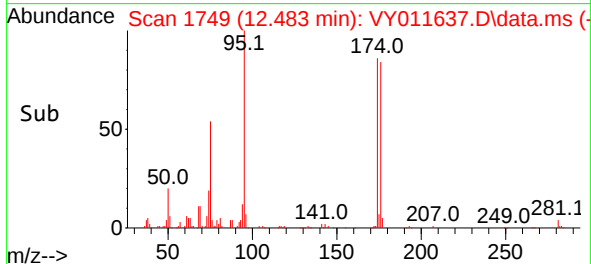
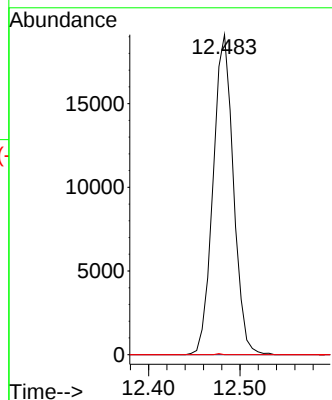
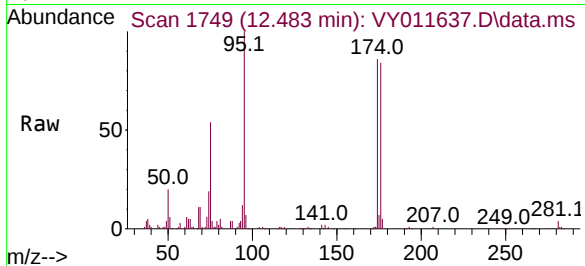




#81
trans-1,4-Dichloro-2-butene
Concen: 103.590 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011637.D
Acq: 30 Nov 2022 13:42

Instrument :
MSVOA_Y
ClientSampleId :
HOWE-DRUM-B-1129

Tgt Ion: 75 Resp: 29469
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#



#95
Naphthalene
Concen: 4.212 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY011637.D
Acq: 30 Nov 2022 13:42

Tgt Ion: 128 Resp: 428
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

