

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120122\
 Data File : VY011670.D
 Acq On : 01 Dec 2022 18:13
 Operator : KP/MD
 Sample : N5809-05
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Dec 02 03:23:32 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)

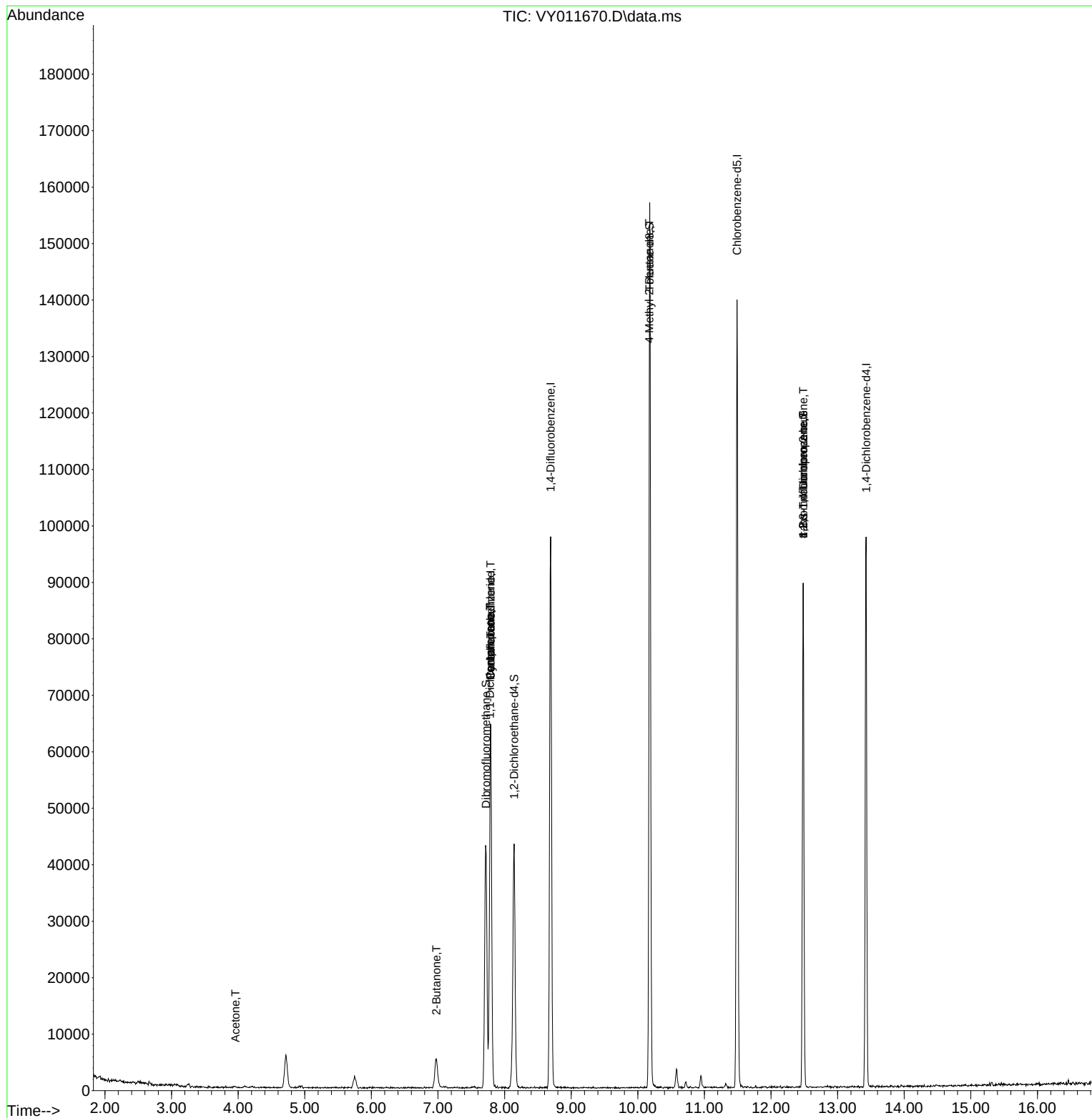
Internal Standards						
1) Pentafluorobenzene	7.789	168	48776	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	83798	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	77628	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	26176	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	32585	65.792	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	131.580%
35) Dibromofluoromethane	7.722	113	30781	59.670	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	119.340%
50) Toluene-d8	10.179	98	100322	53.517	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.040%
62) 4-Bromofluorobenzene	12.483	95	26618	38.405	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	76.820%
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	53	Below Cal	#	43
3) Chloromethane	2.125	50	120	Below Cal	#	44
5) Bromomethane	2.668	94	65	Below Cal	#	56
11) Tert butyl alcohol	4.954	59	300	Below Cal	#	77
16) Acetone	3.960	43	425	2.642	ug/l #	47
18) Methyl Acetate	4.235	43	23	Below Cal	#	56
20) Methylene Chloride	4.716	84	4663	Below Cal	#	81
25) 2-Butanone	6.978	43	290	1.372	ug/l #	54
31) Cyclohexane	7.789	56	1091	1.329	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	4152	5.149	ug/l #	48
38) Carbon Tetrachloride	7.789	117	5123	5.679	ug/l #	15
51) 4-Methyl-2-Pentanone	10.173	43	463	1.006	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	13891	49.277	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	13891	107.933	ug/l #	7

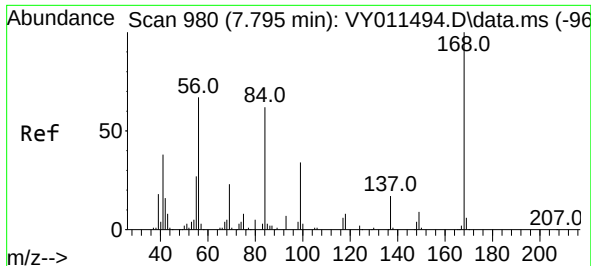
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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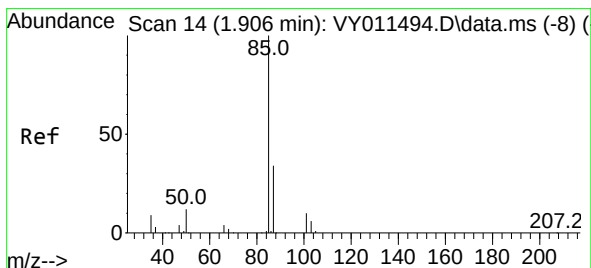
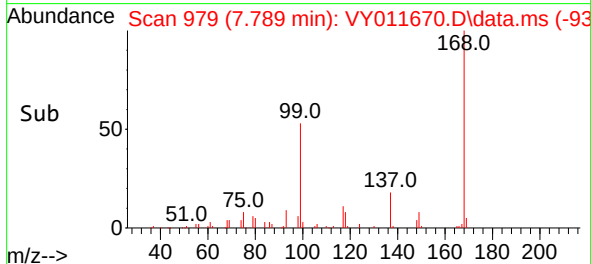
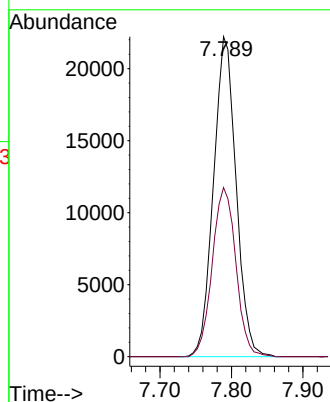
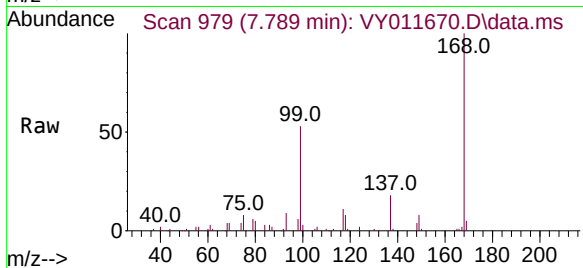




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011670.D
Acq: 01 Dec 2022 18:13

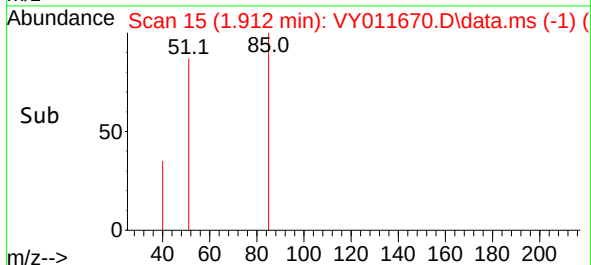
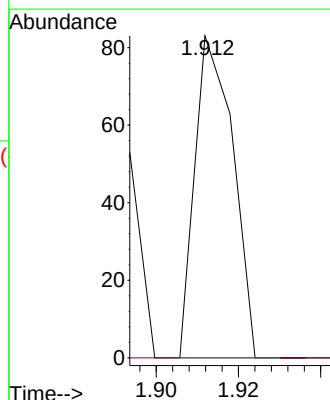
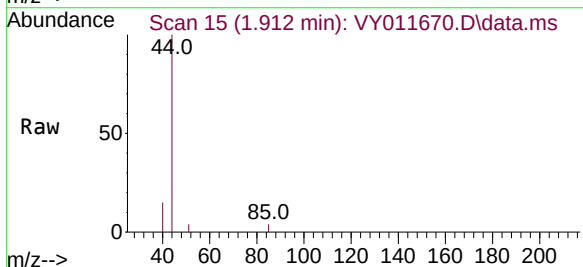
Instrument :
MSVOA_Y
ClientSampleId :
HOWE-DRUM-C-1129

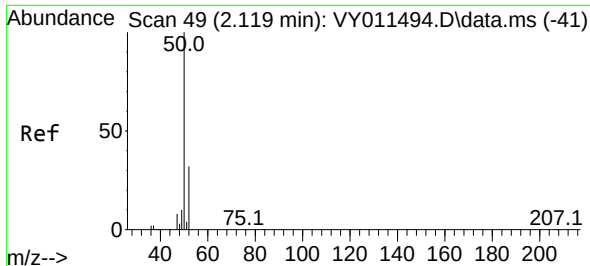
Tgt Ion:168 Resp: 48776
Ion Ratio Lower Upper
168 100
99 52.9 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY011670.D
Acq: 01 Dec 2022 18:13

Tgt Ion: 85 Resp: 53
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

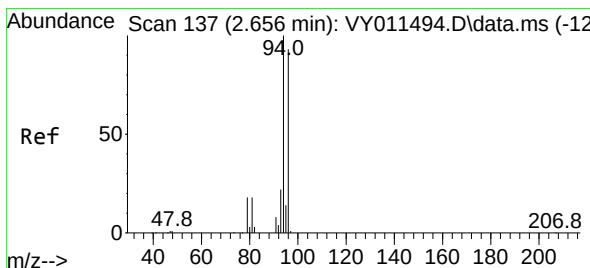
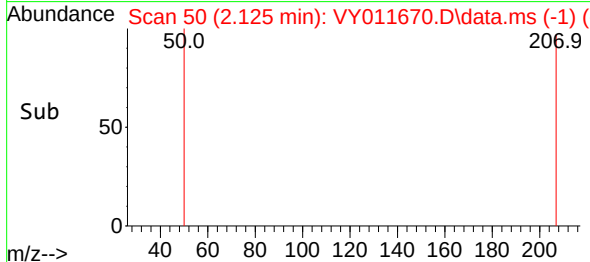
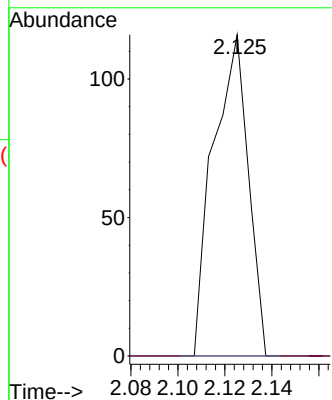
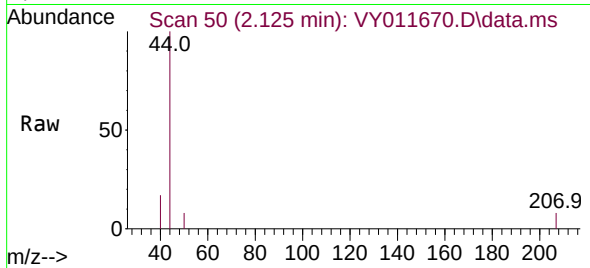




#3
Chloromethane
Concen: Below Cal
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY011670.D
Acq: 01 Dec 2022 18:13

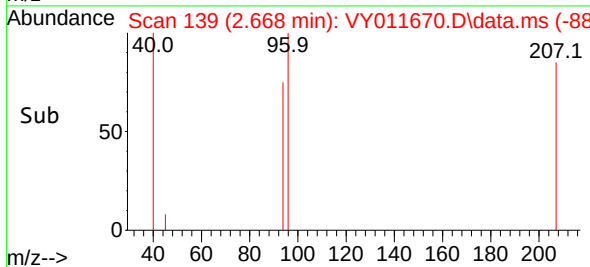
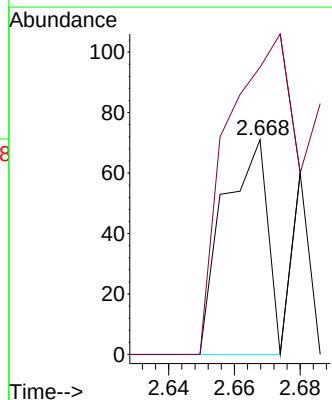
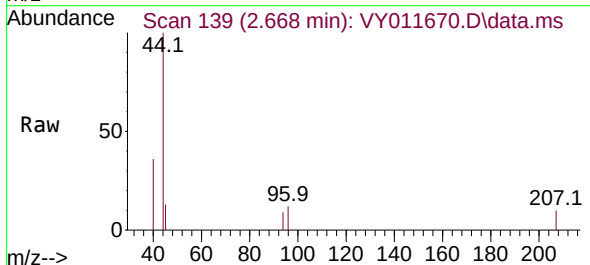
Instrument :
MSVOA_Y
ClientSampleId :
HOWE-DRUM-C-1129

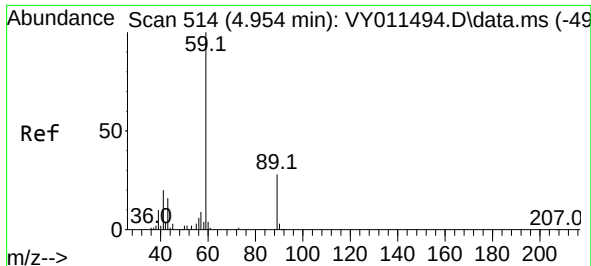
Tgt Ion: 50 Resp: 120
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.012 min
Lab File: VY011670.D
Acq: 01 Dec 2022 18:13

Tgt Ion: 94 Resp: 65
Ion Ratio Lower Upper
94 100
96 133.8 73.5 110.3#

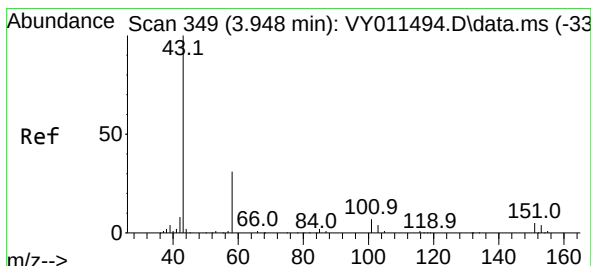
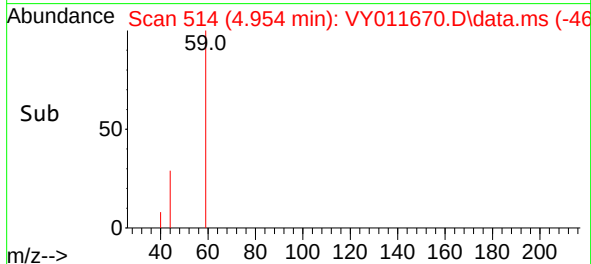
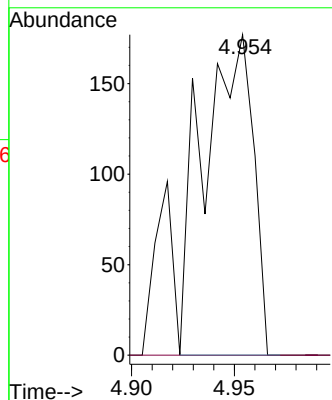
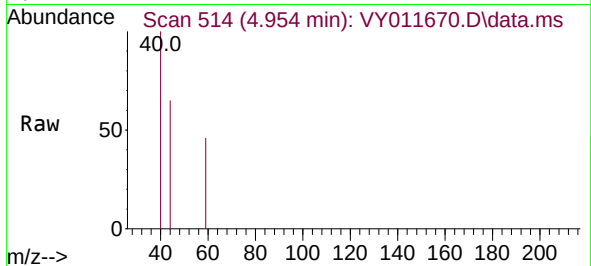




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. -0.000 min
Lab File: VY011670.D
Acq: 01 Dec 2022 18:13

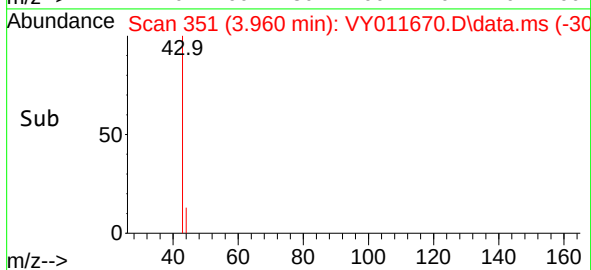
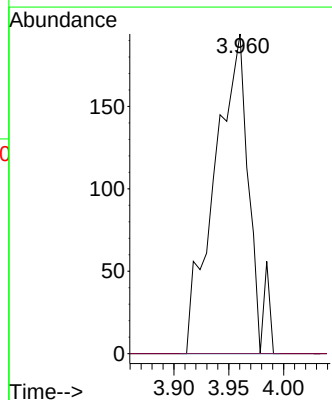
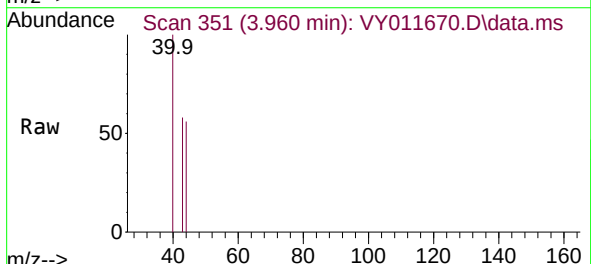
Instrument :
MSVOA_Y
ClientSampleId :
HOWE-DRUM-C-1129

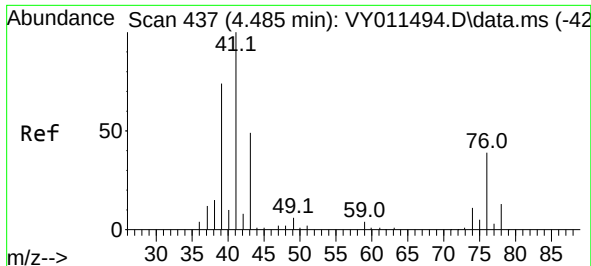
Tgt Ion: 59 Resp: 300
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 2.642 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.012 min
Lab File: VY011670.D
Acq: 01 Dec 2022 18:13

Tgt Ion: 43 Resp: 425
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#

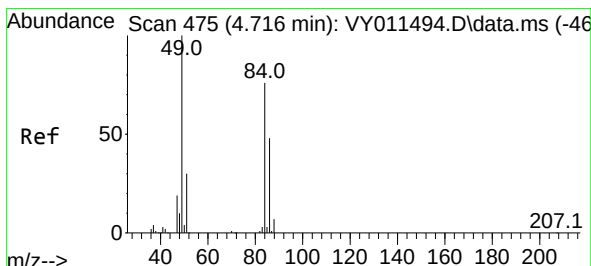
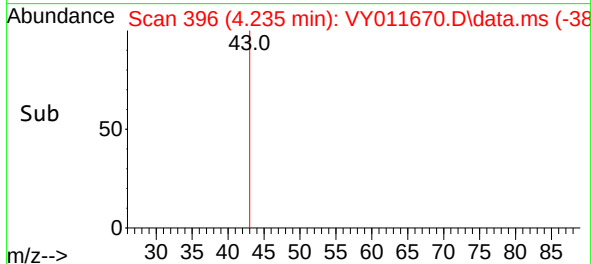
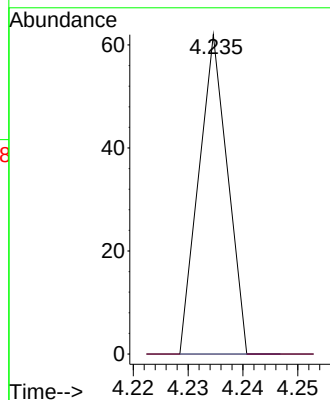
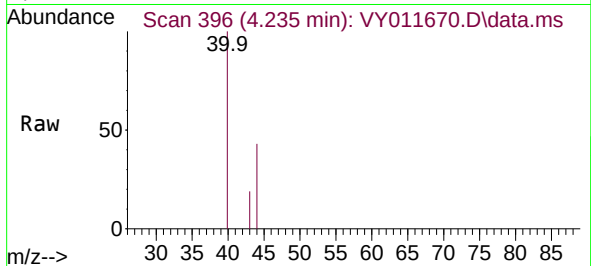




#18
Methyl Acetate
Concen: Below Cal
RT: 4.235 min Scan# 396
Delta R.T. -0.250 min
Lab File: VY011670.D
Acq: 01 Dec 2022 18:13

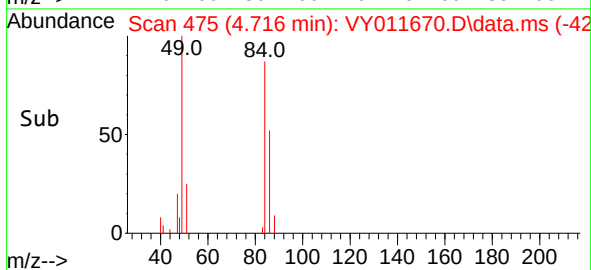
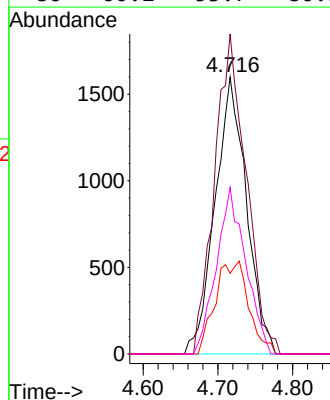
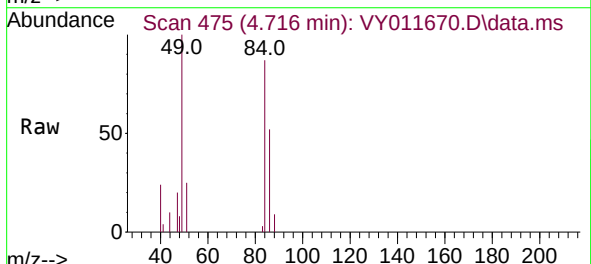
Instrument :
MSVOA_Y
ClientSampleId :
HOWE-DRUM-C-1129

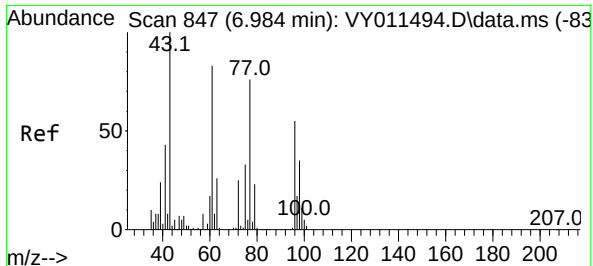
Tgt Ion: 43 Resp: 23
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011670.D
Acq: 01 Dec 2022 18:13

Tgt Ion: 84 Resp: 4663
Ion Ratio Lower Upper
84 100
49 115.6 114.4 171.6
51 29.1 35.3 52.9#
86 60.2 53.7 80.5

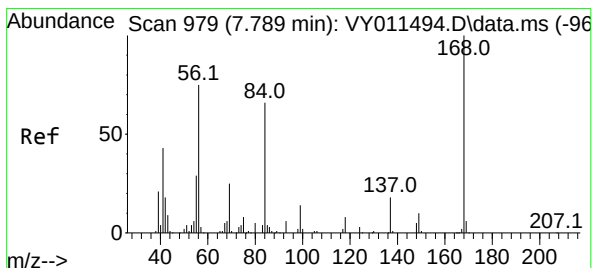
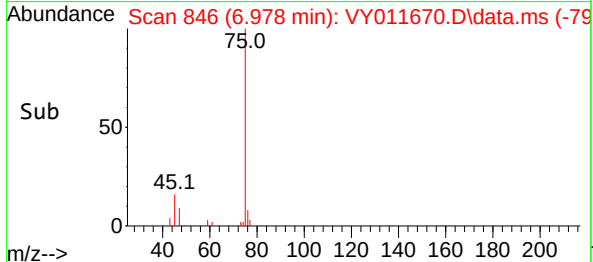
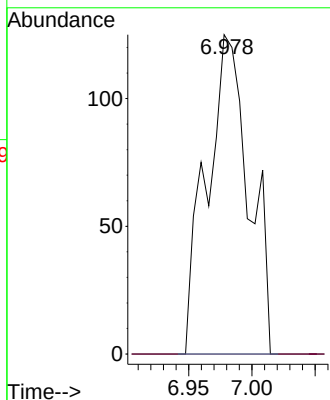
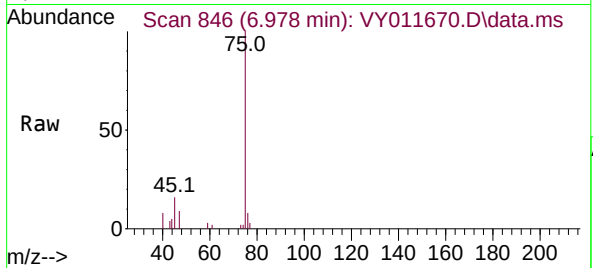




#25
2-Butanone
Concen: 1.372 ug/l
RT: 6.978 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY011670.D
Acq: 01 Dec 2022 18:13

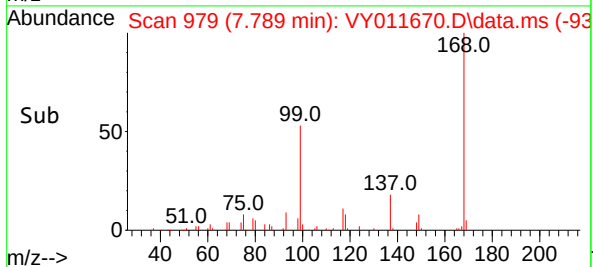
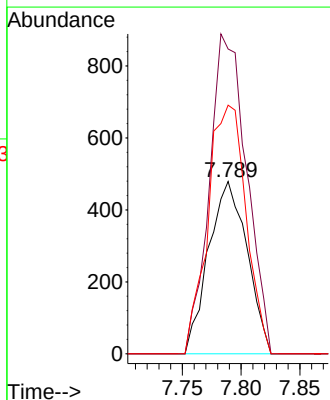
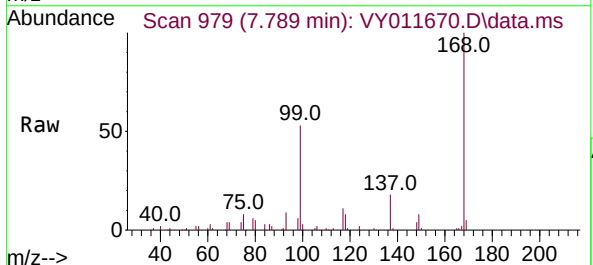
Instrument :
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ClientSampleId :
HOWE-DRUM-C-1129

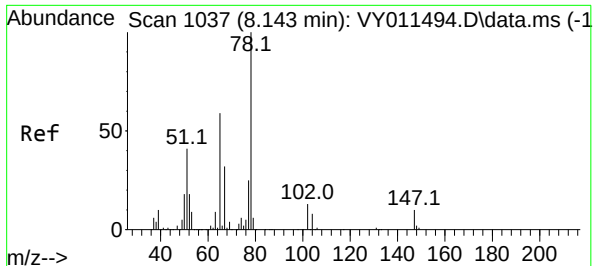
Tgt Ion: 43 Resp: 290
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#31
Cyclohexane
Concen: 1.329 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY011670.D
Acq: 01 Dec 2022 18:13

Tgt Ion: 56 Resp: 1091
Ion Ratio Lower Upper
56 100
69 176.8 26.7 40.1#
84 144.3 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 65.792 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY011670.D

Acq: 01 Dec 2022 18:13

Instrument :

MSVOA_Y

ClientSampleId :

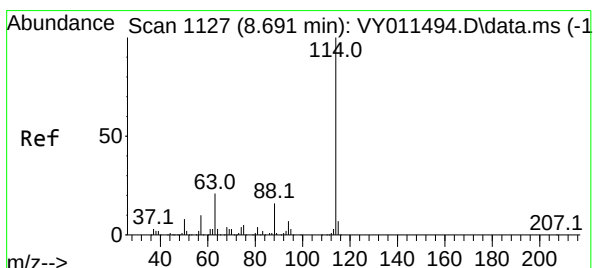
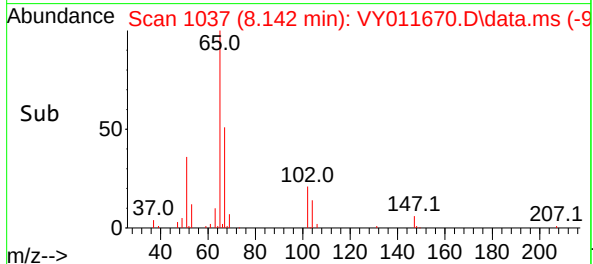
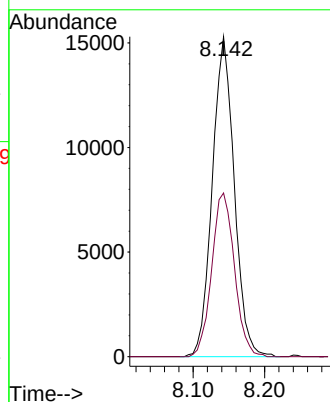
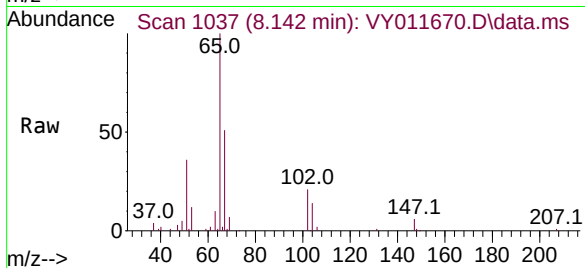
HOWE-DRUM-C-1129

Tgt Ion: 65 Resp: 32585

Ion Ratio Lower Upper

65 100

67 53.0 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: VY011670.D

Acq: 01 Dec 2022 18:13

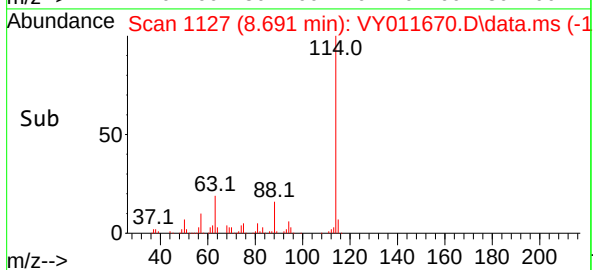
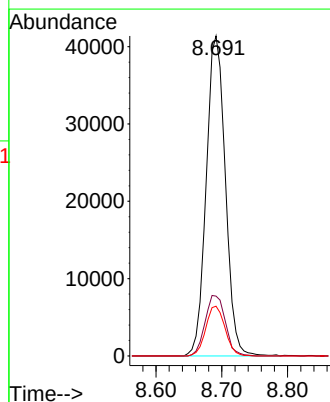
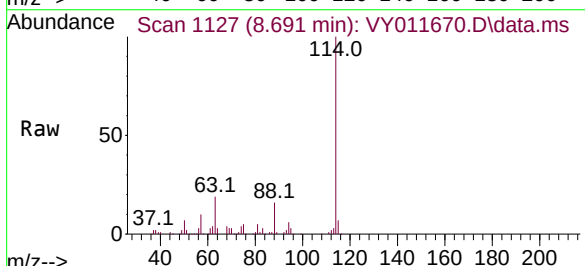
Tgt Ion: 114 Resp: 83798

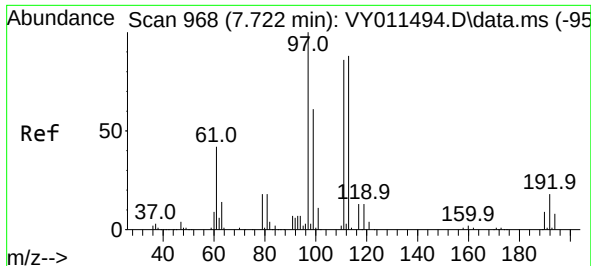
Ion Ratio Lower Upper

114 100

63 18.7 0.0 43.2

88 15.5 0.0 31.8

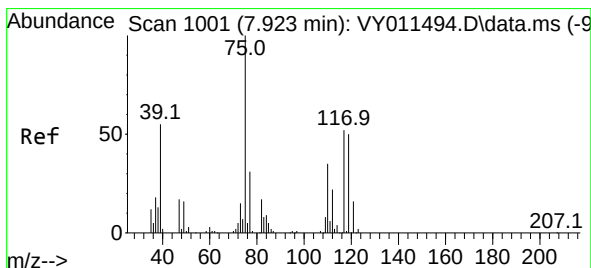
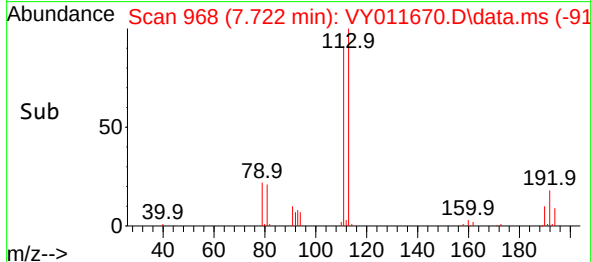
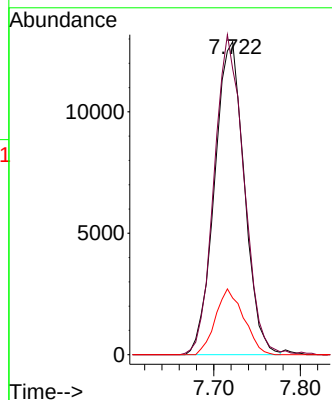
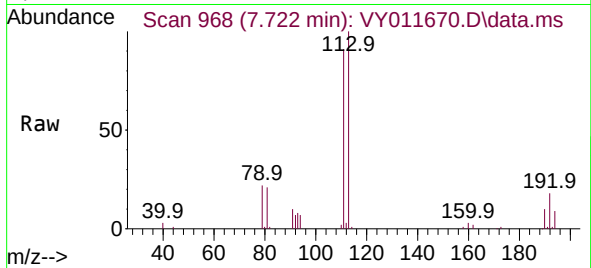




#35
Dibromofluoromethane
Concen: 59.670 ug/l
RT: 7.722 min Scan# 901
Delta R.T. -0.000 min
Lab File: VY011670.D
Acq: 01 Dec 2022 18:13

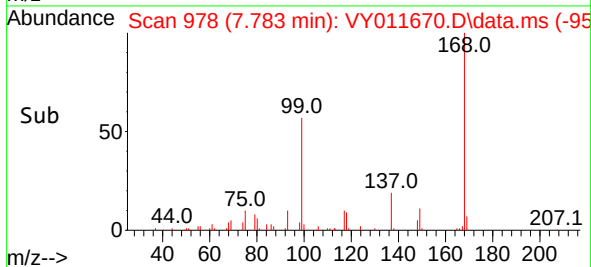
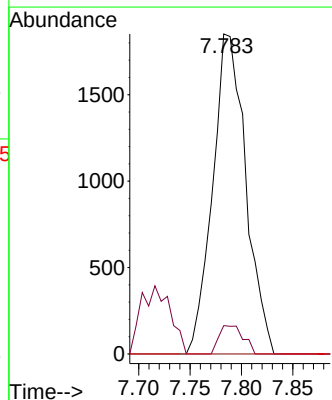
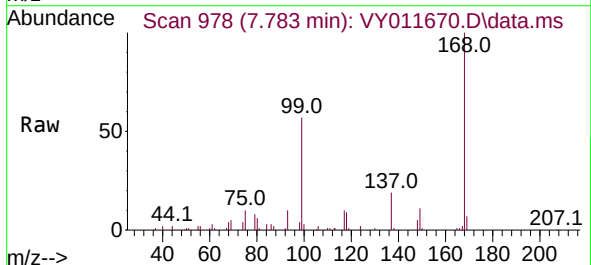
Instrument :
MSVOA_Y
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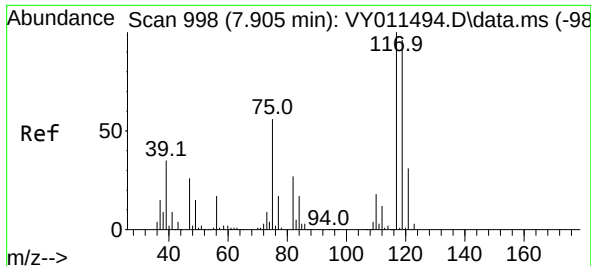
Tgt Ion:113 Resp: 30781
Ion Ratio Lower Upper
113 100
111 102.1 82.6 124.0
192 19.9 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.149 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY011670.D
Acq: 01 Dec 2022 18:13

Tgt Ion: 75 Resp: 4152
Ion Ratio Lower Upper
75 100
110 6.5 17.1 51.2#
77 0.0 24.4 36.6#

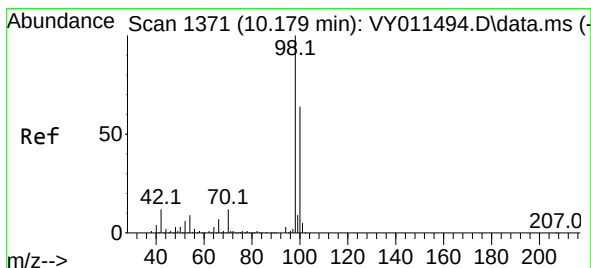
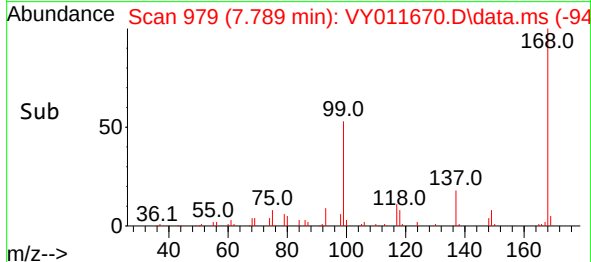
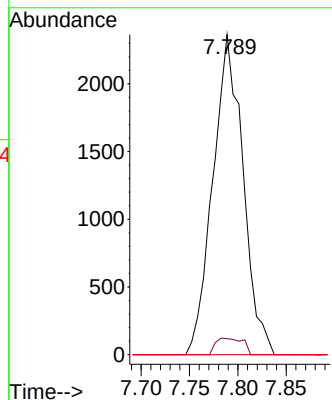
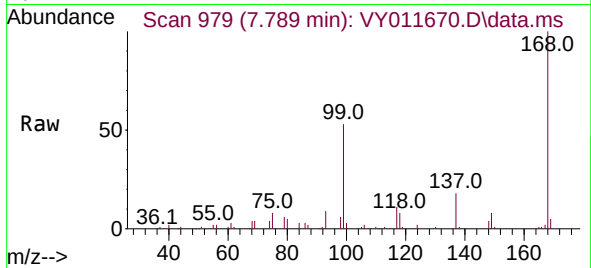




#38
Carbon Tetrachloride
Concen: 5.679 ug/l
RT: 7.789 min Scan# 911
Delta R.T. -0.116 min
Lab File: VY011670.D
Acq: 01 Dec 2022 18:13

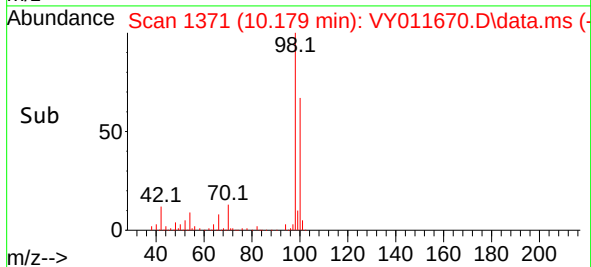
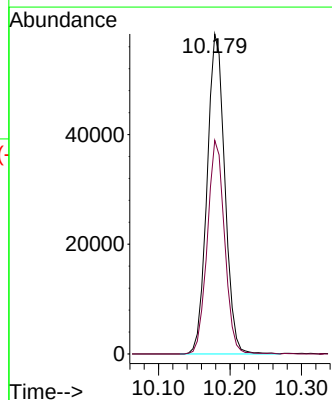
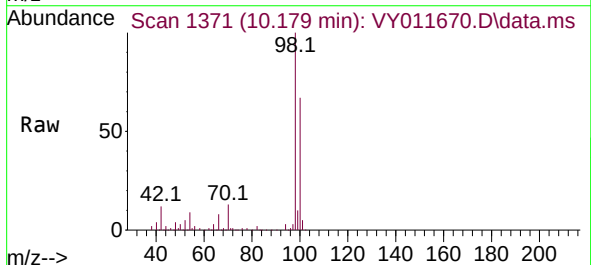
Instrument :
MSVOA_Y
ClientSampleId :
HOWE-DRUM-C-1129

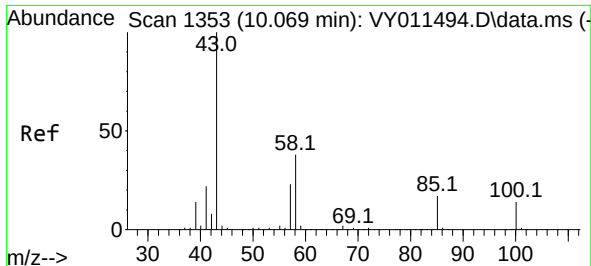
Tgt Ion:117 Resp: 5123
Ion Ratio Lower Upper
117 100
119 5.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 53.517 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011670.D
Acq: 01 Dec 2022 18:13

Tgt Ion: 98 Resp: 100322
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2

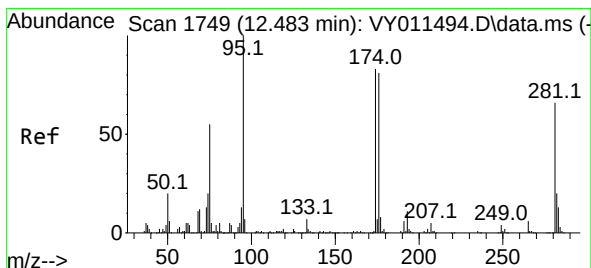
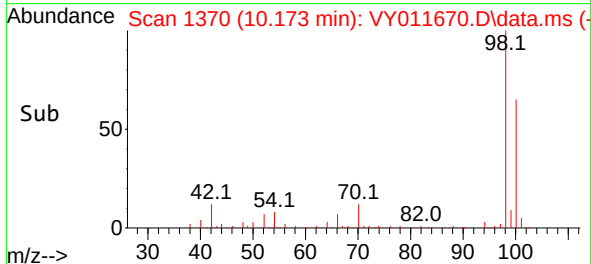
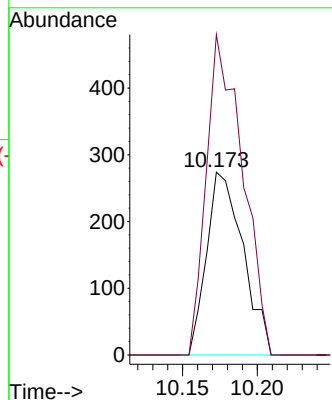
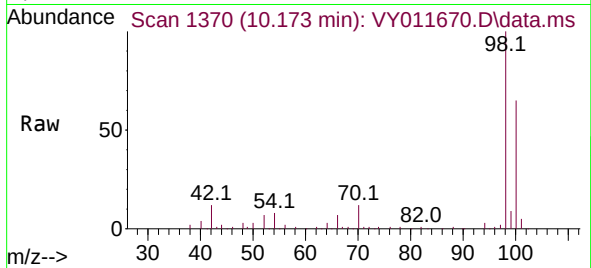




#51
4-Methyl-2-Pentanone
Concen: 1.006 ug/l
RT: 10.173 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY011670.D
Acq: 01 Dec 2022 18:13

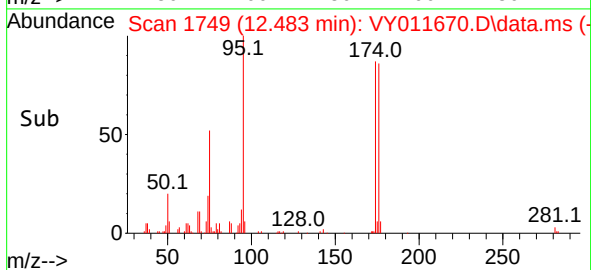
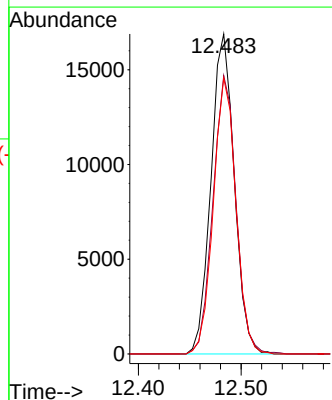
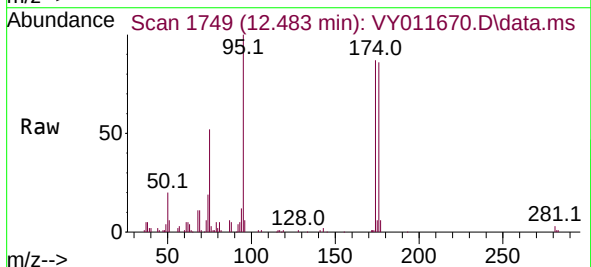
Instrument :
MSVOA_Y
ClientSampleId :
HOWE-DRUM-C-1129

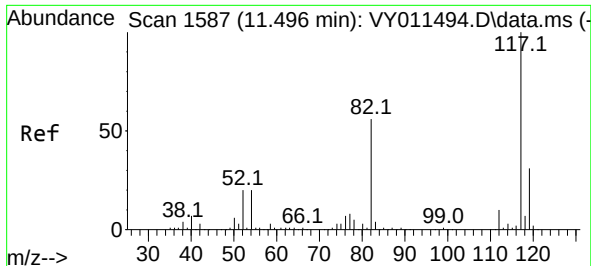
Tgt Ion: 43 Resp: 463
Ion Ratio Lower Upper
43 100
58 174.9 28.1 42.1#



#62
4-Bromofluorobenzene
Concen: 38.405 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011670.D
Acq: 01 Dec 2022 18:13

Tgt Ion: 95 Resp: 26618
Ion Ratio Lower Upper
95 100
174 85.9 0.0 177.0
176 83.4 0.0 175.8

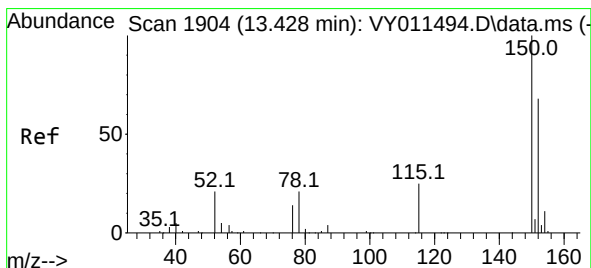
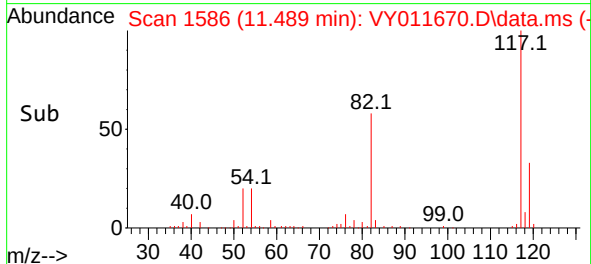
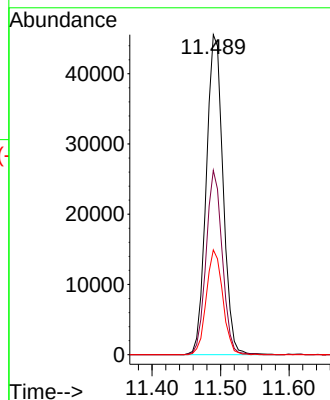
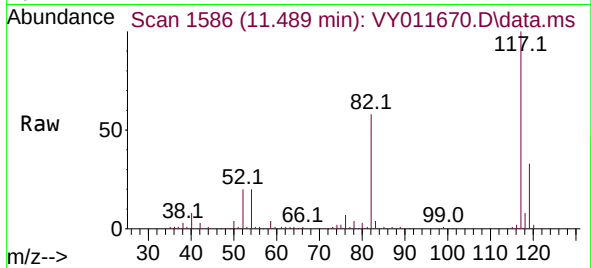




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY011670.D
Acq: 01 Dec 2022 18:13

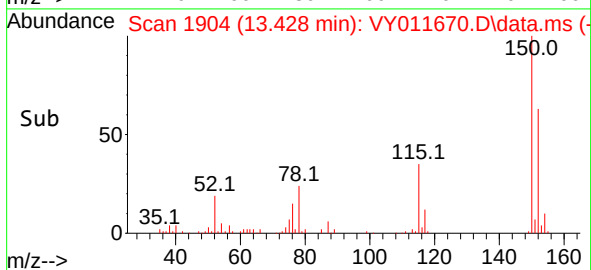
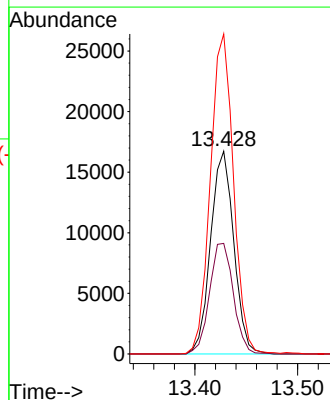
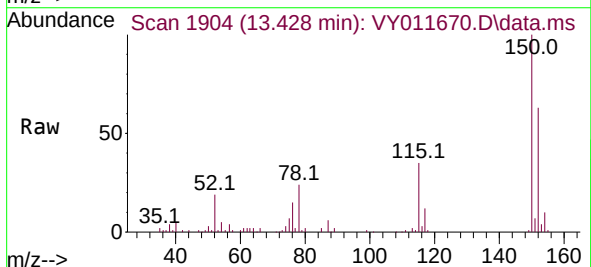
Instrument :
MSVOA_Y
ClientSampleId :
HOWE-DRUM-C-1129

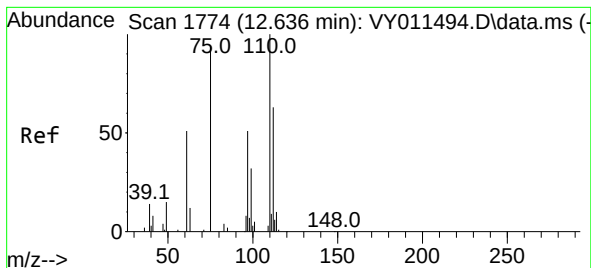
Tgt Ion:117 Resp: 77628
Ion Ratio Lower Upper
117 100
82 57.6 43.0 64.4
119 32.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011670.D
Acq: 01 Dec 2022 18:13

Tgt Ion:152 Resp: 26176
Ion Ratio Lower Upper
152 100
115 56.0 28.2 84.7
150 157.3 0.0 347.6





#76

1,2,3-Trichloropropane

Concen: 49.277 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.153 min

Lab File: VY011670.D

Acq: 01 Dec 2022 18:13

Instrument :

MSVOA_Y

ClientSampleId :

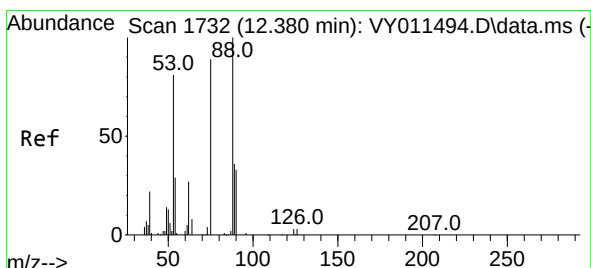
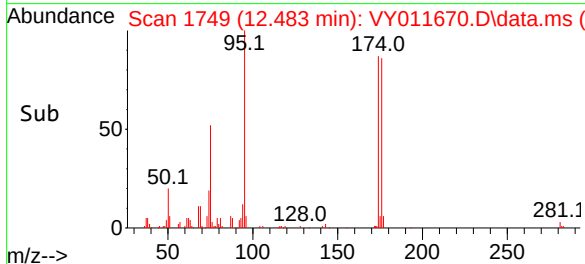
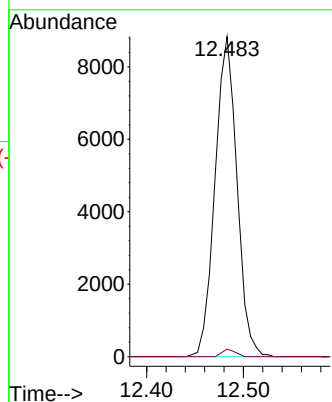
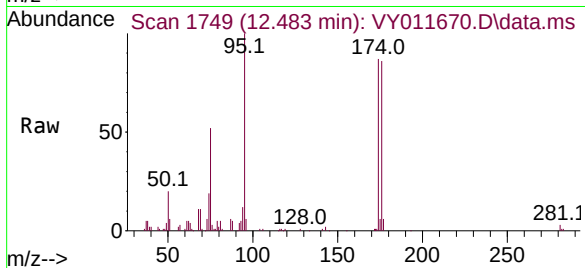
HOWE-DRUM-C-1129

Tgt Ion: 75 Resp: 13891

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 107.933 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.103 min

Lab File: VY011670.D

Acq: 01 Dec 2022 18:13

Tgt Ion: 75 Resp: 13891

Ion Ratio Lower Upper

75 100

53 0.0 85.3 127.9#

89 0.0 37.0 55.4#

