

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX113022\
 Data File : VX033133.D
 Acq On : 30 Nov 2022 15:42
 Operator : JC/MD
 Sample : N5809-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Dec 01 00:21:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

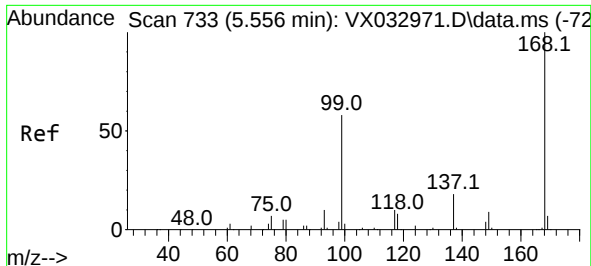
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	148337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	243121	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	229408	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102949	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	83646	58.223	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 116.440%			
35) Dibromofluoromethane	5.385	113	66506	48.522	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.040%			
50) Toluene-d8	8.647	98	230879	56.255	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 112.500%#			
62) 4-Bromofluorobenzene	11.079	95	84942	47.178	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.360%			
Target Compounds					Qvalue	
3) Chloromethane	1.282	50	920	0.752	ug/l #	43
11) Tert butyl alcohol	2.940	59	4133	18.048	ug/l #	72
16) Acetone	2.398	43	15270	22.634	ug/l	93
18) Methyl Acetate	2.703	43	1625	0.870	ug/l	94
20) Methylene Chloride	2.788	84	4422	1.902	ug/l	85
25) 2-Butanone	4.580	43	1804	1.939	ug/l #	79
29) Tetrahydrofuran	5.025	42	202	0.342	ug/l #	67
31) Cyclohexane	5.550	56	3369	1.439	ug/l #	14
36) 1,1-Dichloropropene	5.556	75	11669	5.324	ug/l #	51
37) Ethyl Acetate	4.714	43	20123	10.524	ug/l	99
38) Carbon Tetrachloride	5.550	117	15516	6.382	ug/l #	15
43) Isopropyl Acetate	6.342	43	90272	28.548	ug/l	99
48) Methyl methacrylate	7.799	41	87073	53.496	ug/l #	44
49) 1,4-Dioxane	7.793	88	120	4.005	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	73272	37.552	ug/l #	48
53) t-1,3-Dichloropropene	8.952	75	528	1.725	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	32430	13.139	ug/l #	61
56) Ethyl methacrylate	9.244	69	711	0.314	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4280	1.611	ug/l #	42
59) 2-Hexanone	9.482	43	59800	41.487	ug/l #	52
74) N-amyl acetate	10.640	43	20180	8.064	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	45373	23.272	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	45373	75.644	ug/l #	6

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
Quant Title : SW846 8260
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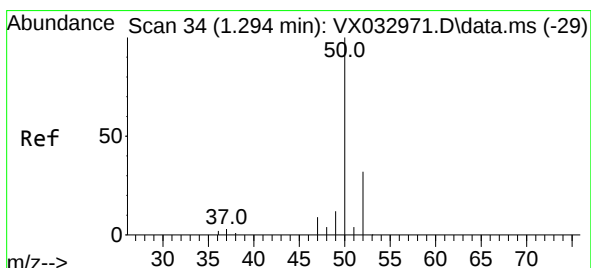
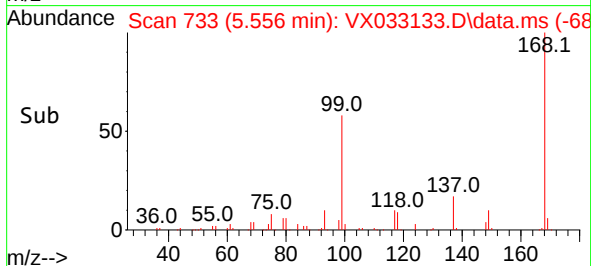
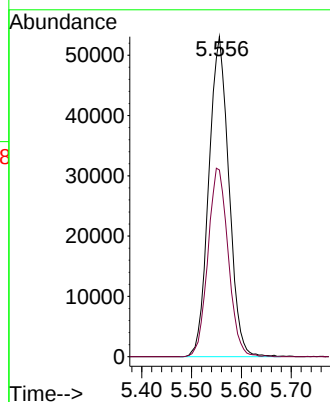
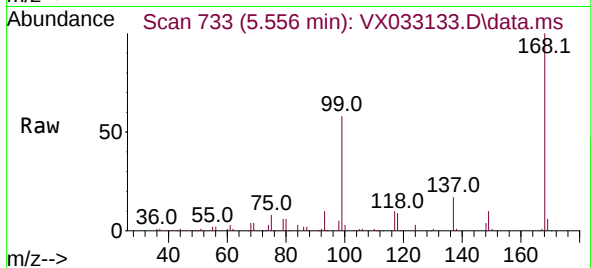




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033133.D
Acq: 30 Nov 2022 15:42

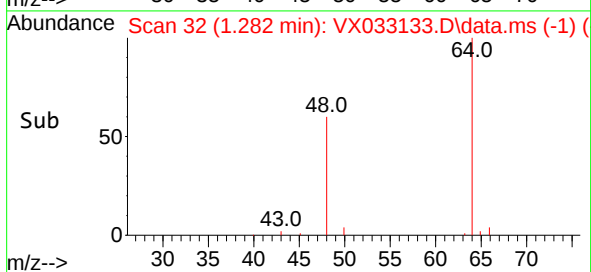
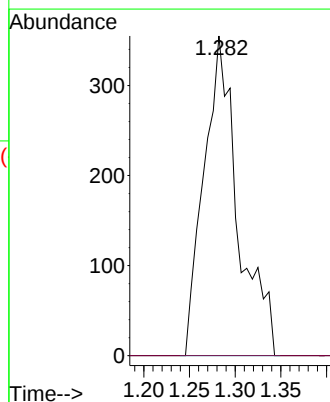
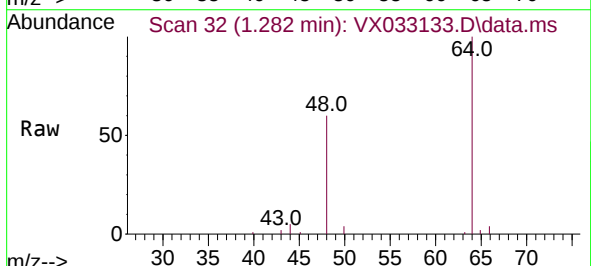
Instrument :
MSVOA_X
ClientSampleId :
HOWE-DRUM-C-1129

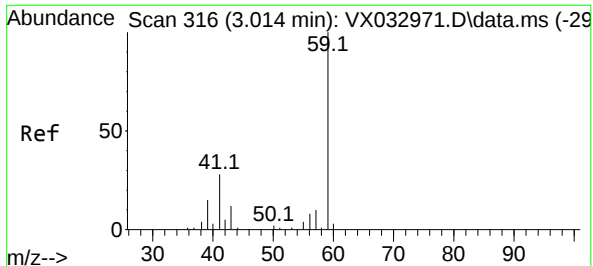
Tgt Ion:168 Resp: 148337
Ion Ratio Lower Upper
168 100
99 58.3 46.1 69.1



#3
Chloromethane
Concen: 0.752 ug/l
RT: 1.282 min Scan# 32
Delta R.T. -0.012 min
Lab File: VX033133.D
Acq: 30 Nov 2022 15:42

Tgt Ion: 50 Resp: 920
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: 18.048 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.025 min

Lab File: VX033133.D

Acq: 30 Nov 2022 15:42

Instrument :

MSVOA_X

ClientSampleId :

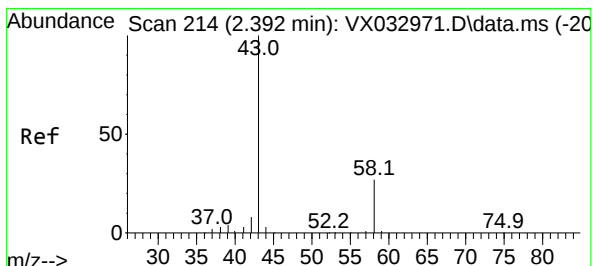
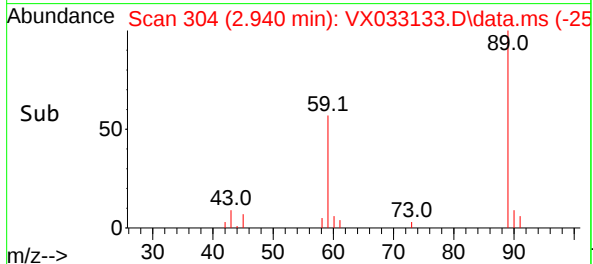
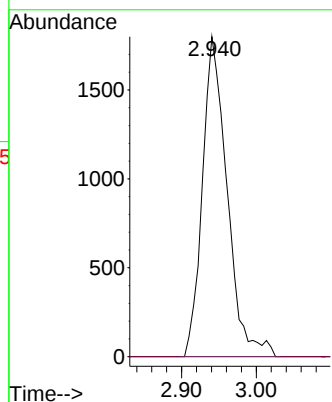
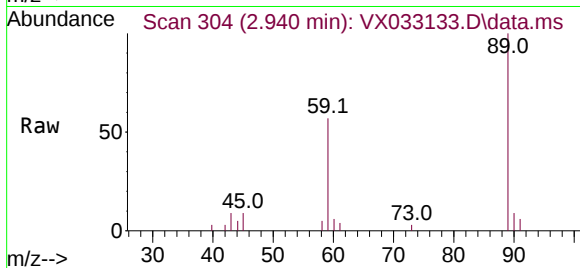
HOWE-DRUM-C-1129

Tgt Ion: 59 Resp: 4133

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 22.634 ug/l

RT: 2.398 min Scan# 215

Delta R.T. 0.018 min

Lab File: VX033133.D

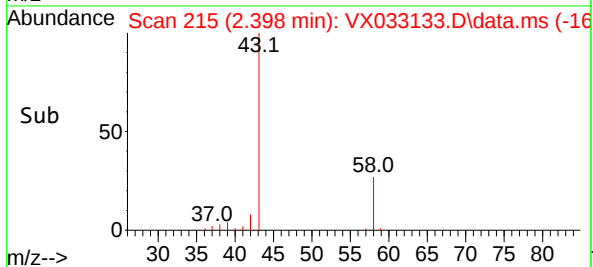
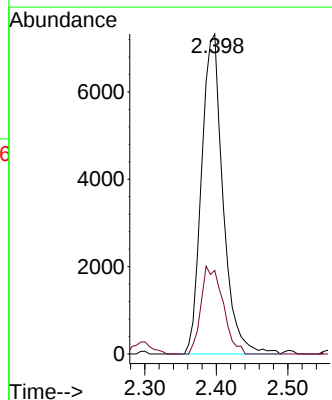
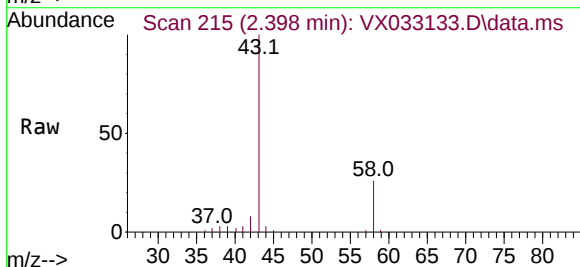
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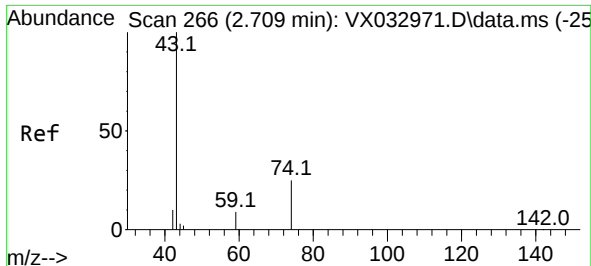
Tgt Ion: 43 Resp: 15270

Ion Ratio Lower Upper

43 100

58 26.1 23.8 35.8

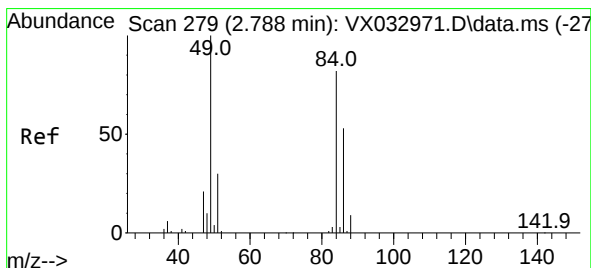
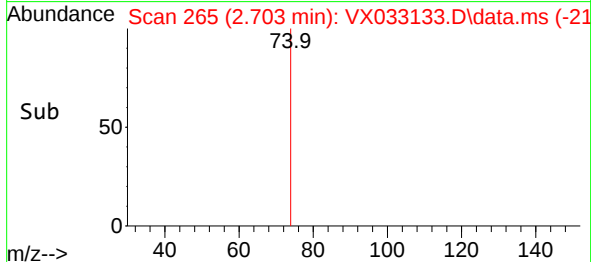
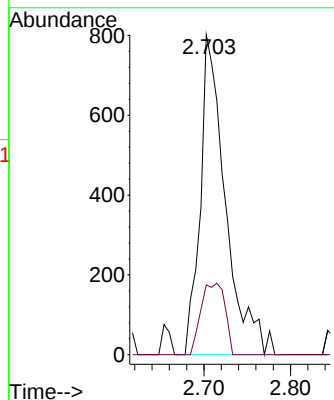
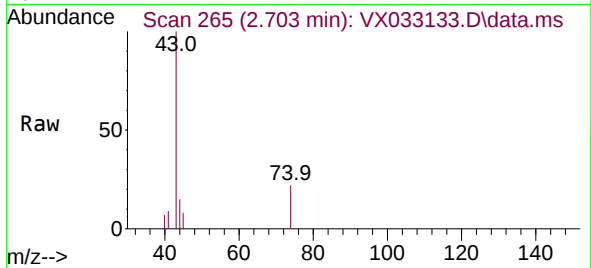




#18
Methyl Acetate
Concen: 0.870 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX033133.D
Acq: 30 Nov 2022 15:42

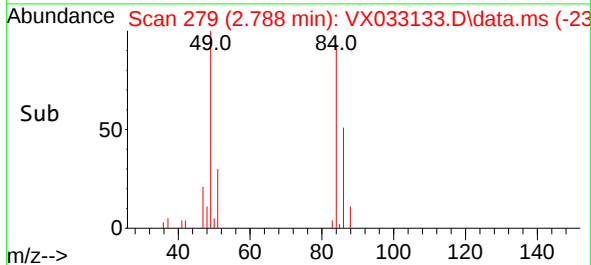
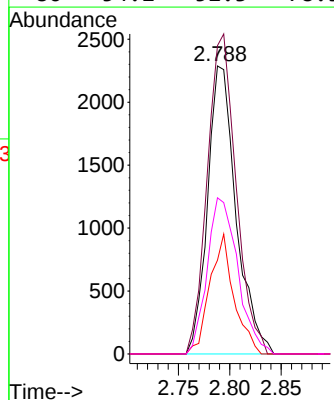
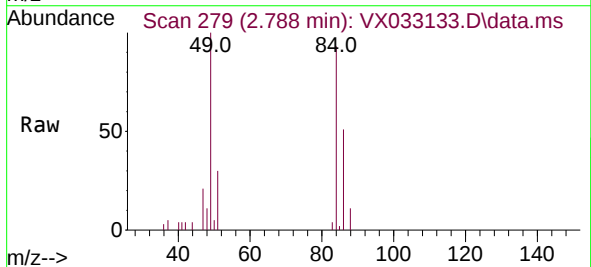
Instrument :
MSVOA_X
ClientSampleId :
HOWE-DRUM-C-1129

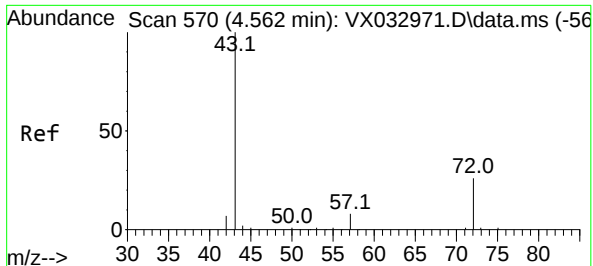
Tgt Ion: 43 Resp: 1625
Ion Ratio Lower Upper
43 100
74 21.2 19.4 29.0



#20
Methylene Chloride
Concen: 1.902 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX033133.D
Acq: 30 Nov 2022 15:42

Tgt Ion: 84 Resp: 4422
Ion Ratio Lower Upper
84 100
49 107.0 101.0 151.6
51 32.6 31.1 46.7
86 54.2 52.3 78.5





#25

2-Butanone

Concen: 1.939 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX033133.D

Acq: 30 Nov 2022 15:42

Instrument :

MSVOA_X

ClientSampleId :

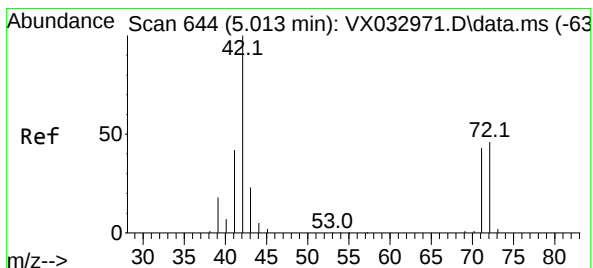
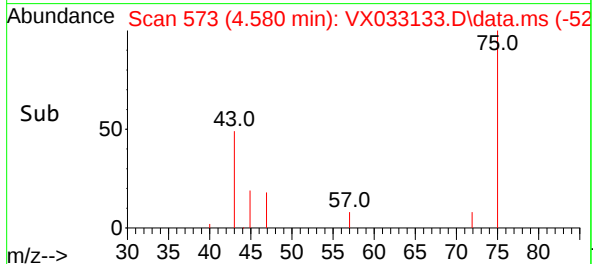
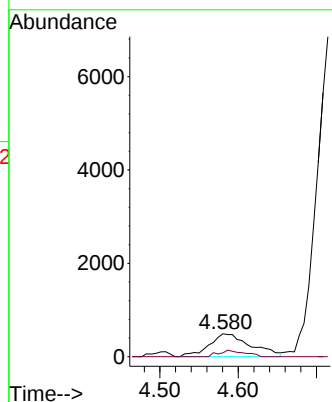
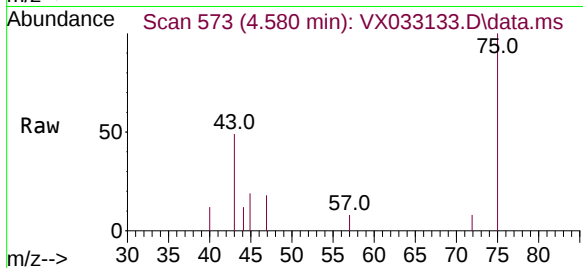
HOWE-DRUM-C-1129

Tgt Ion: 43 Resp: 1804

Ion Ratio Lower Upper

43 100

72 16.5 22.2 33.2#



#29

Tetrahydrofuran

Concen: 0.342 ug/l

RT: 5.025 min Scan# 646

Delta R.T. 0.024 min

Lab File: VX033133.D

Acq: 30 Nov 2022 15:42

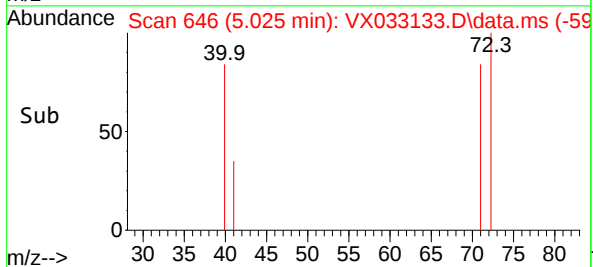
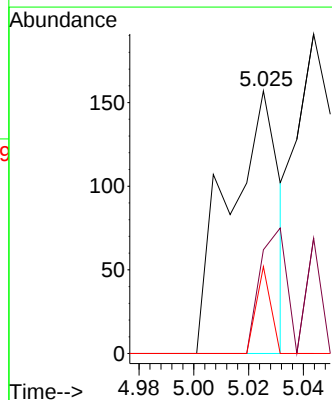
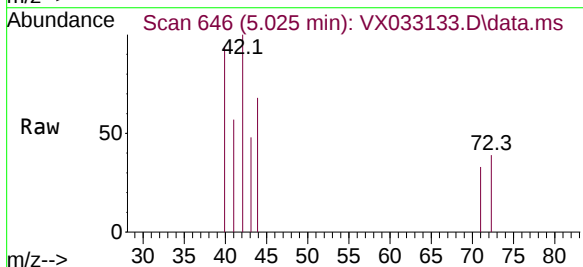
Tgt Ion: 42 Resp: 202

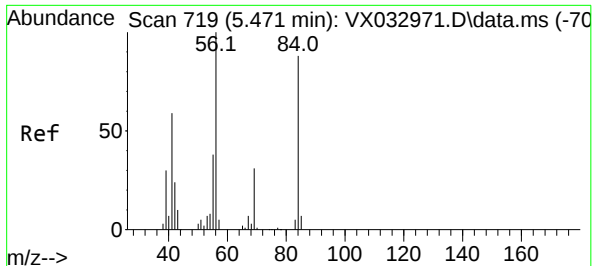
Ion Ratio Lower Upper

42 100

72 37.1 37.6 56.4#

71 9.4 34.7 52.1#

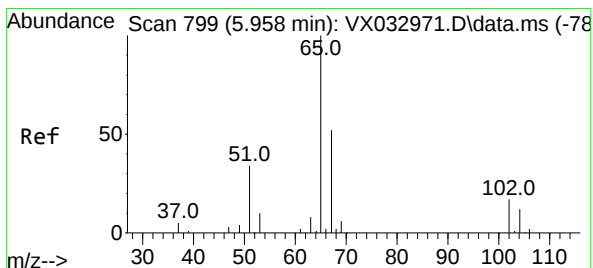
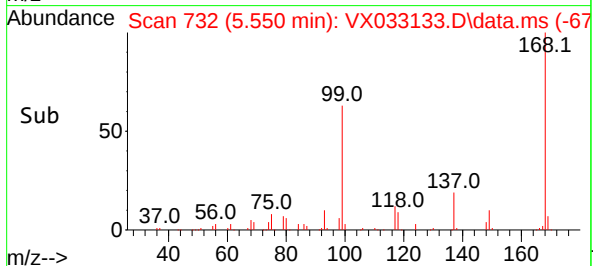
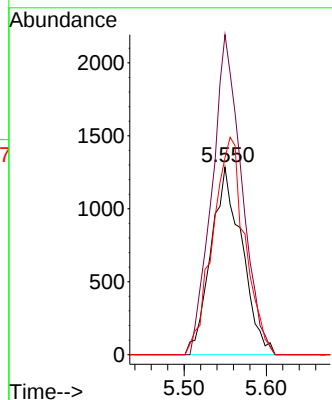
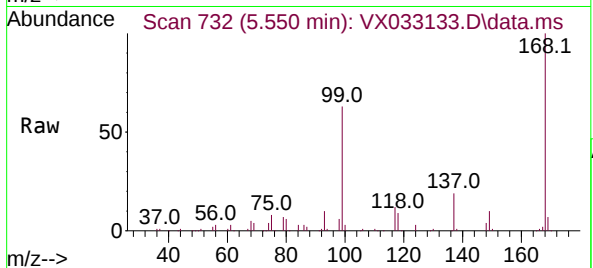




#31
Cyclohexane
Concen: 1.439 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX033133.D
Acq: 30 Nov 2022 15:42

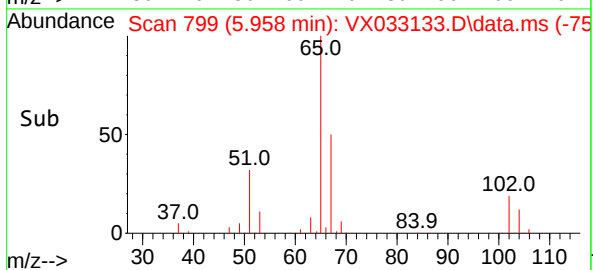
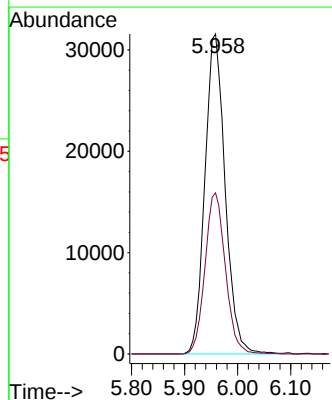
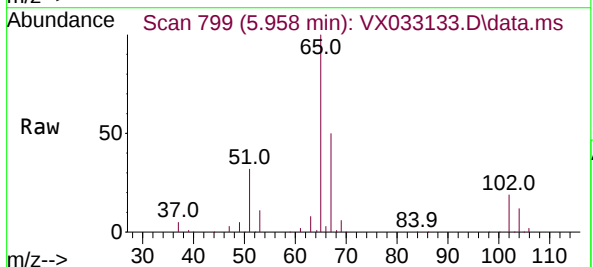
Instrument :
MSVOA_X
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HOWE-DRUM-C-1129

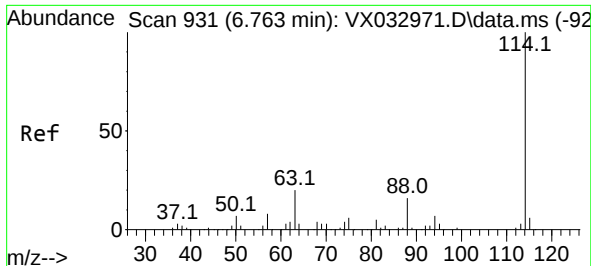
Tgt Ion: 56 Resp: 3369
Ion Ratio Lower Upper
56 100
69 170.7 24.1 36.1#
84 105.1 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 58.223 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033133.D
Acq: 30 Nov 2022 15:42

Tgt Ion: 65 Resp: 83646
Ion Ratio Lower Upper
65 100
67 50.8 0.0 101.8

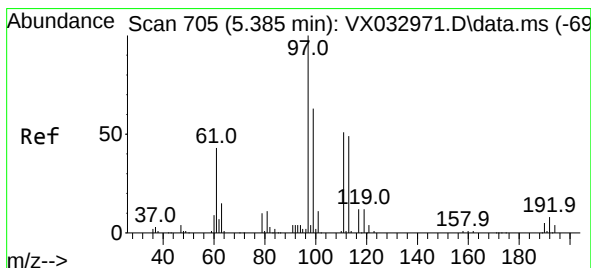
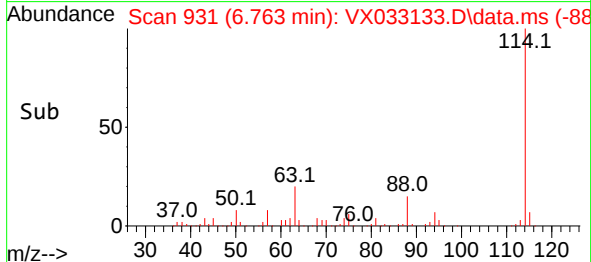
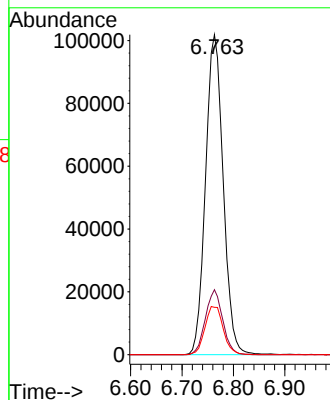
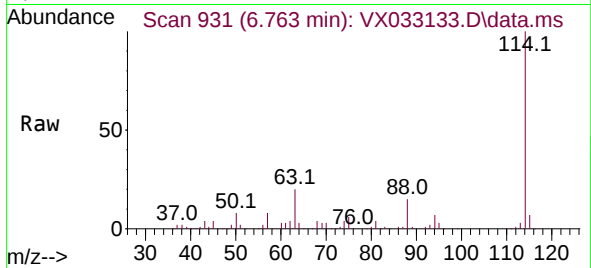




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX033133.D
Acq: 30 Nov 2022 15:42

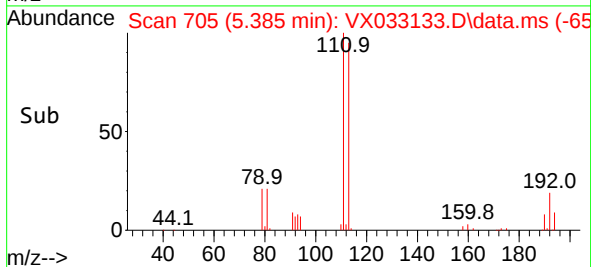
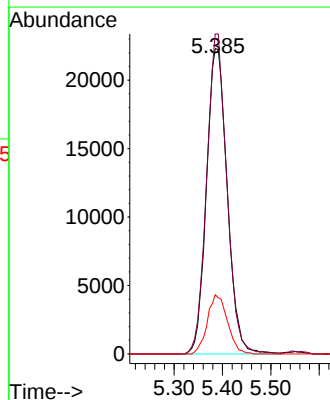
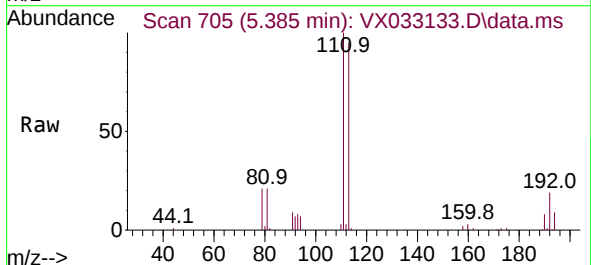
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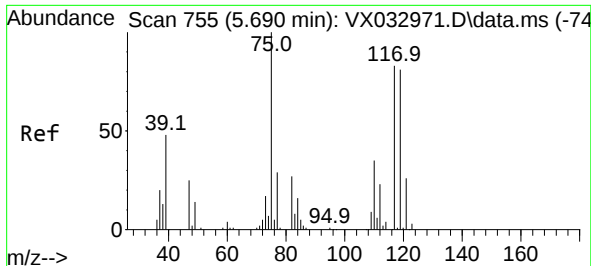
Tgt Ion:114 Resp: 243121
Ion Ratio Lower Upper
114 100
63 20.3 0.0 41.6
88 14.8 0.0 33.4



#35
Dibromofluoromethane
Concen: 48.522 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX033133.D
Acq: 30 Nov 2022 15:42

Tgt Ion:113 Resp: 66506
Ion Ratio Lower Upper
113 100
111 101.9 82.4 123.6
192 18.7 15.4 23.2





#36

1,1-Dichloropropene

Concen: 5.324 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX033133.D

Acq: 30 Nov 2022 15:42

Instrument :

MSVOA_X

ClientSampleId :

HOWE-DRUM-C-1129

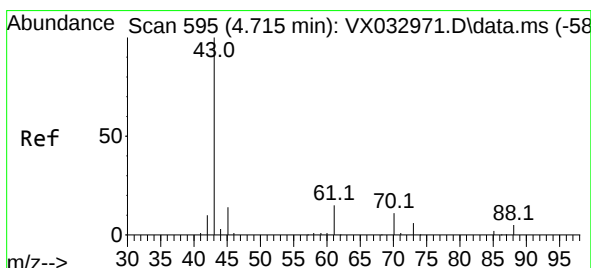
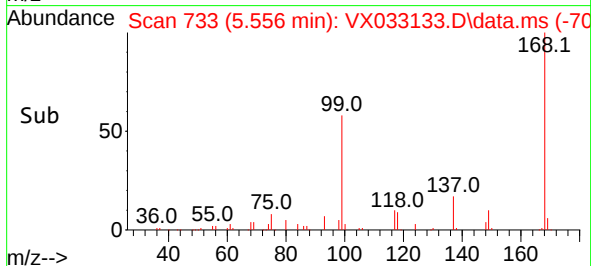
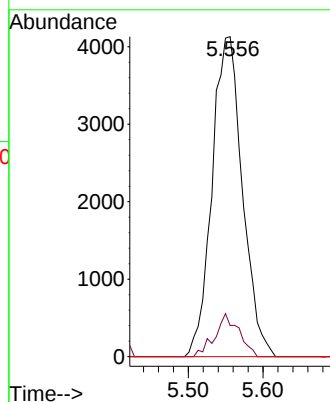
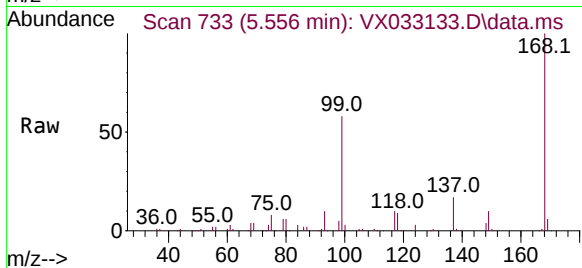
Tgt Ion: 75 Resp: 11669

Ion Ratio Lower Upper

75 100

110 10.6 18.4 55.2#

77 0.0 24.5 36.7#



#37

Ethyl Acetate

Concen: 10.524 ug/l

RT: 4.714 min Scan# 595

Delta R.T. -0.001 min

Lab File: VX033133.D

Acq: 30 Nov 2022 15:42

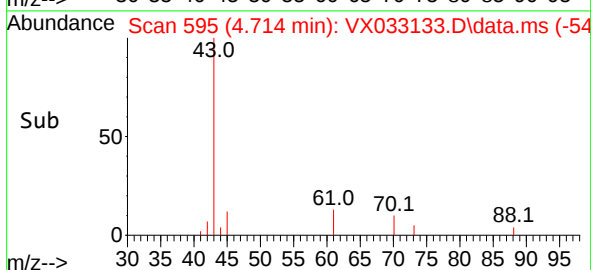
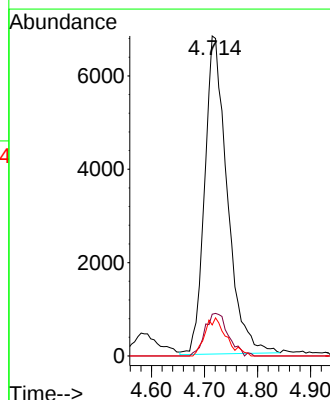
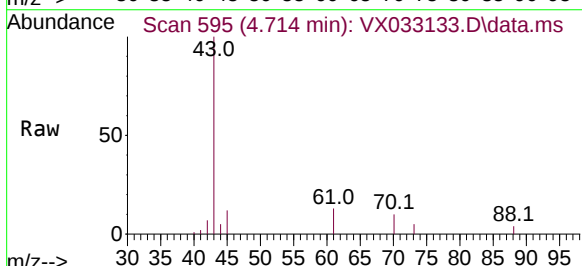
Tgt Ion: 43 Resp: 20123

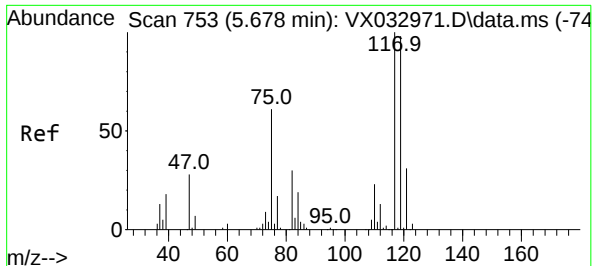
Ion Ratio Lower Upper

43 100

61 13.8 11.5 17.3

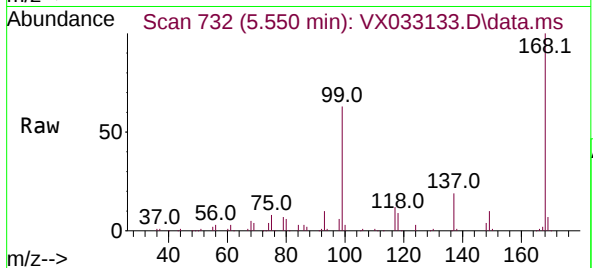
70 11.4 9.1 13.7



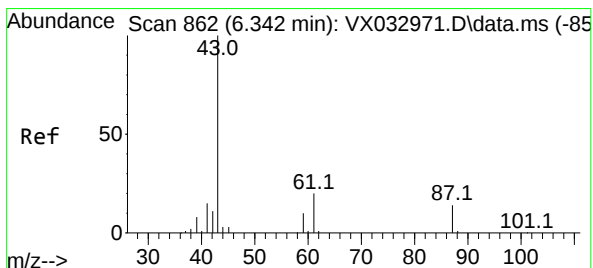
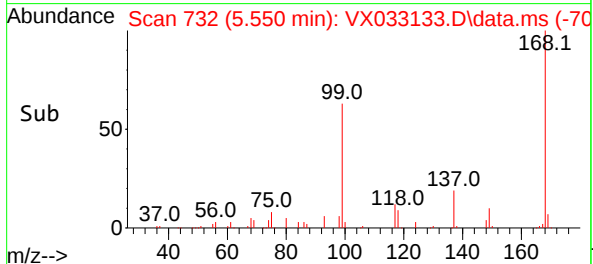
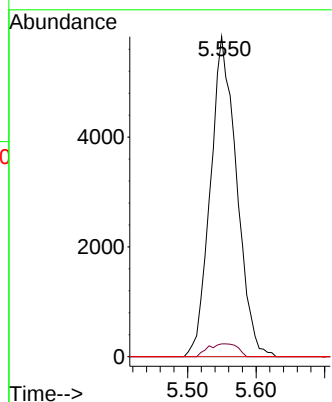


#38
Carbon Tetrachloride
Concen: 6.382 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX033133.D
Acq: 30 Nov 2022 15:42

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

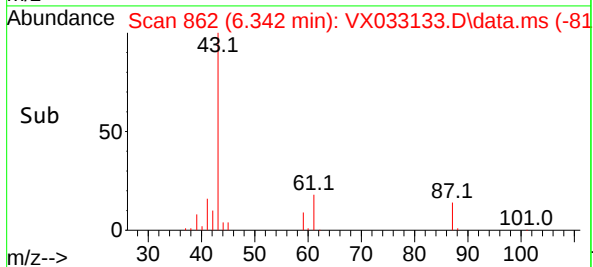
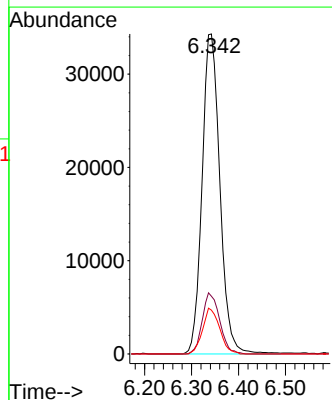
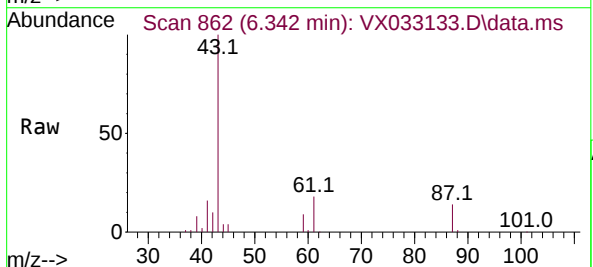


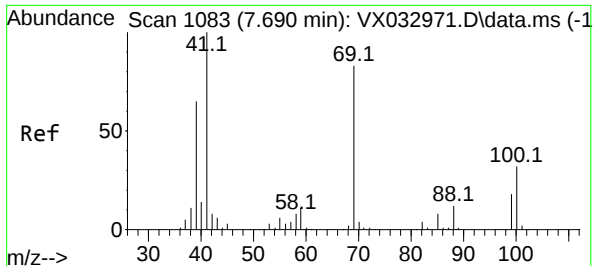
Tgt Ion:117 Resp: 15516
Ion Ratio Lower Upper
117 100
119 4.0 77.2 115.8#
121 0.0 25.8 38.6#



#43
Isopropyl Acetate
Concen: 28.548 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX033133.D
Acq: 30 Nov 2022 15:42

Tgt Ion: 43 Resp: 90272
Ion Ratio Lower Upper
43 100
61 18.6 15.4 23.0
87 13.7 10.8 16.2





#48

Methyl methacrylate

Concen: 53.496 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.103 min

Lab File: VX033133.D

Acq: 30 Nov 2022 15:42

Instrument :

MSVOA_X

ClientSampleId :

HOWE-DRUM-C-1129

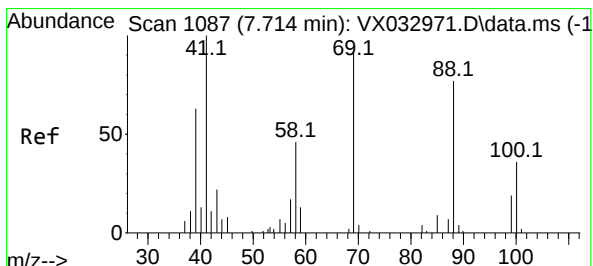
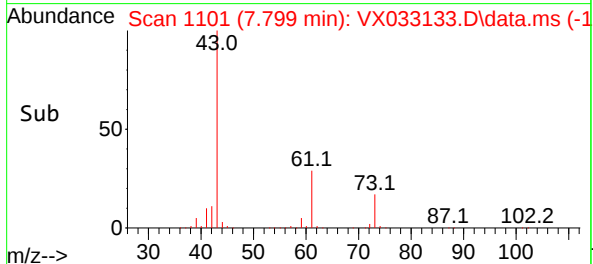
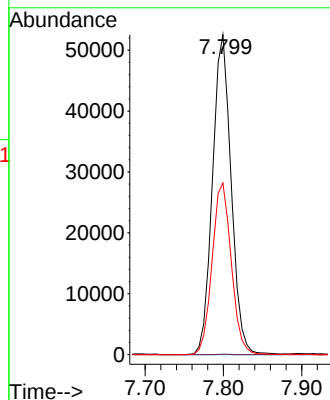
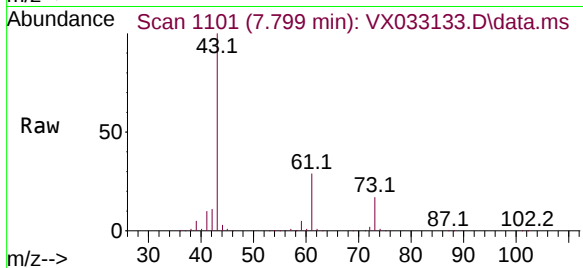
Tgt Ion: 41 Resp: 87073

Ion Ratio Lower Upper

41 100

69 0.1 65.1 97.7#

39 55.0 51.9 77.9



#49

1,4-Dioxane

Concen: 4.005 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.122 min

Lab File: VX033133.D

Acq: 30 Nov 2022 15:42

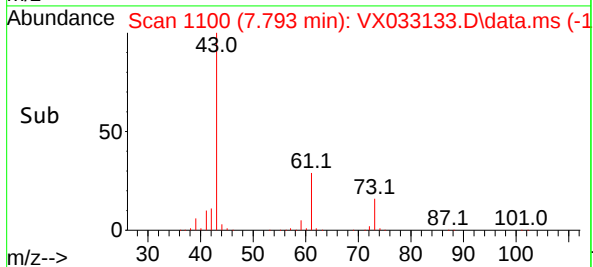
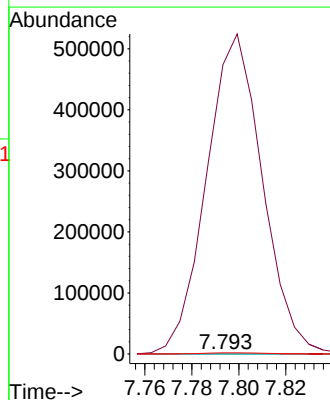
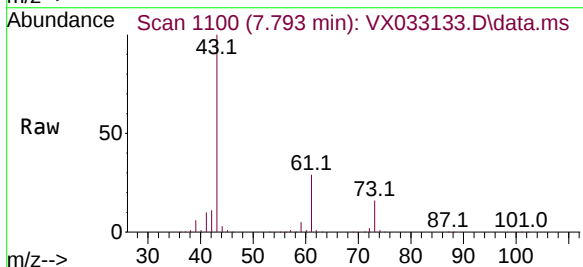
Tgt Ion: 88 Resp: 120

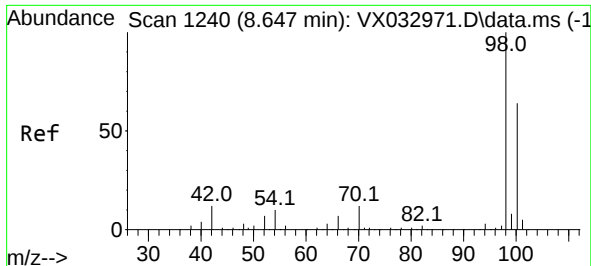
Ion Ratio Lower Upper

88 100

43 727819.2 26.6 39.8#

58 2889.2 51.7 77.5#

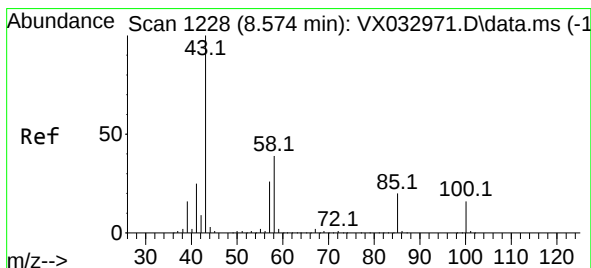
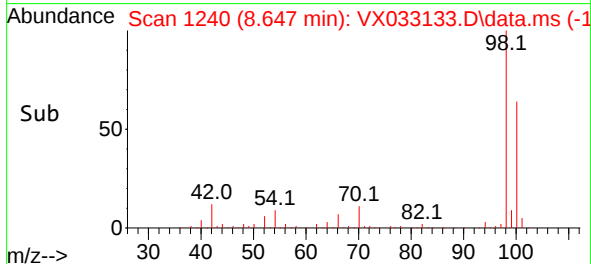
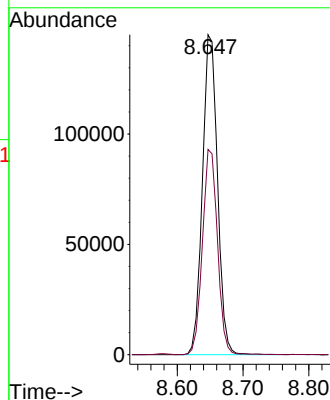
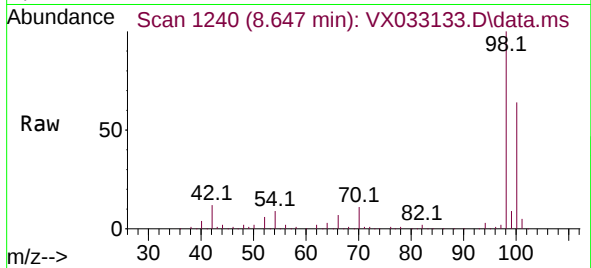




#50
Toluene-d8
Concen: 56.255 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX033133.D
Acq: 30 Nov 2022 15:42

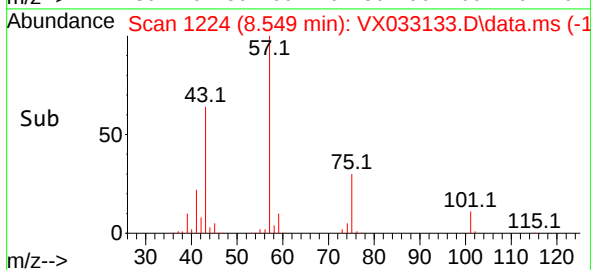
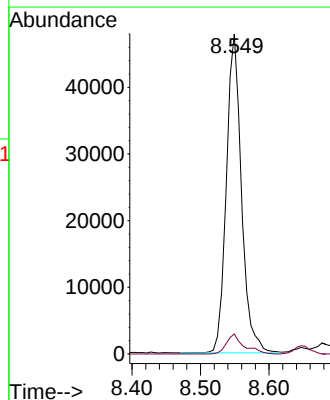
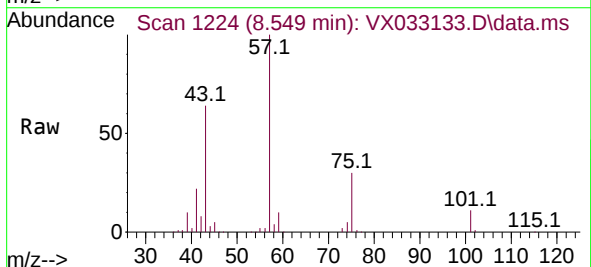
Instrument :
MSVOA_X
ClientSampleId :
HOWE-DRUM-C-1129

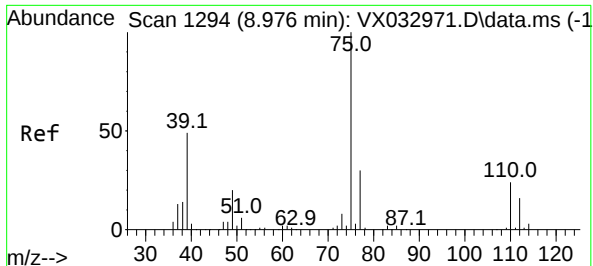
Tgt Ion: 98 Resp: 230879
Ion Ratio Lower Upper
98 100
100 64.2 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 37.552 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX033133.D
Acq: 30 Nov 2022 15:42

Tgt Ion: 43 Resp: 73272
Ion Ratio Lower Upper
43 100
58 7.2 30.9 46.3





#53

t-1,3-Dichloropropene

Concen: 1.725 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.030 min

Lab File: VX033133.D

Acq: 30 Nov 2022 15:42

Instrument :

MSVOA_X

ClientSampleId :

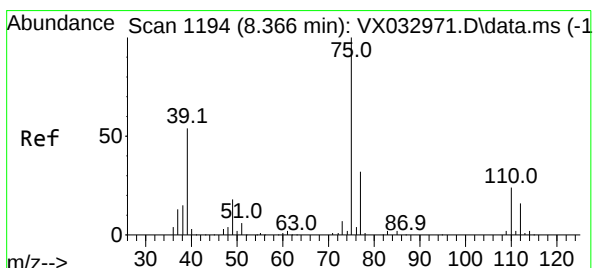
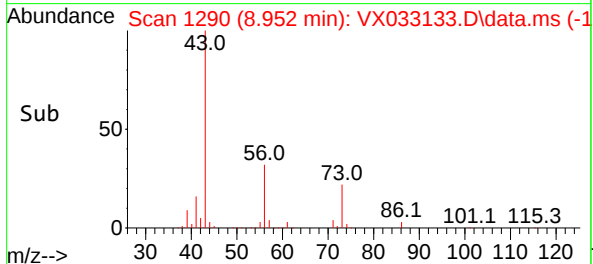
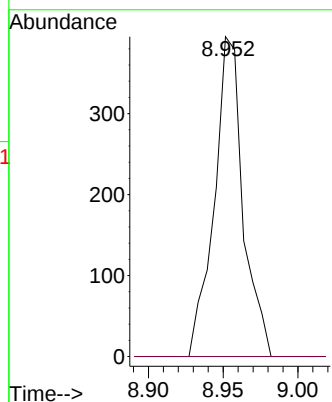
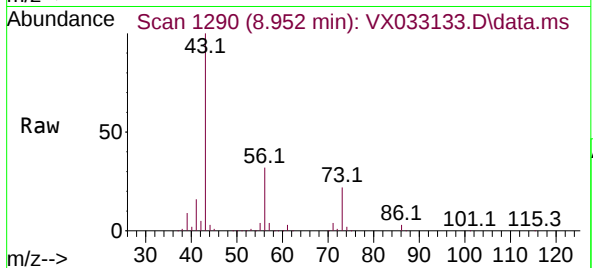
HOWE-DRUM-C-1129

Tgt Ion: 75 Resp: 528

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#



#54

cis-1,3-Dichloropropene

Concen: 13.139 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX033133.D

Acq: 30 Nov 2022 15:42

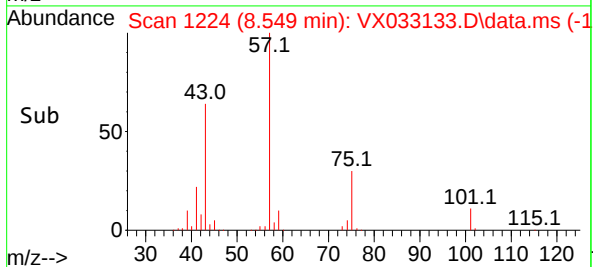
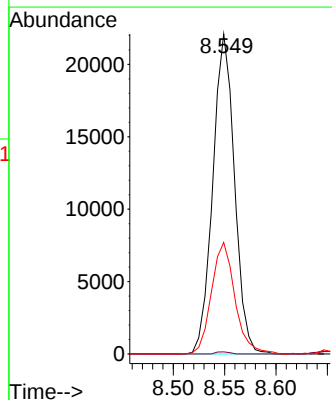
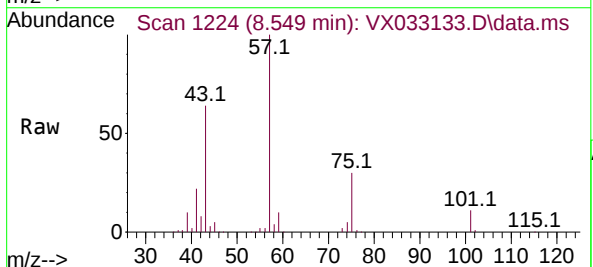
Tgt Ion: 75 Resp: 32430

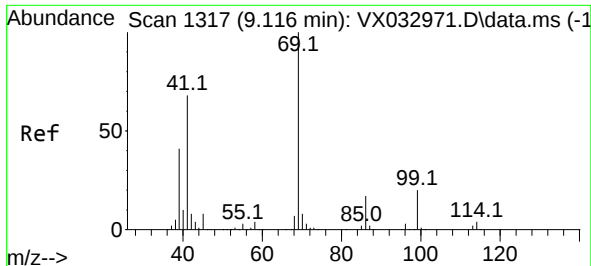
Ion Ratio Lower Upper

75 100

77 0.6 25.1 37.7#

39 34.9 45.5 68.3#

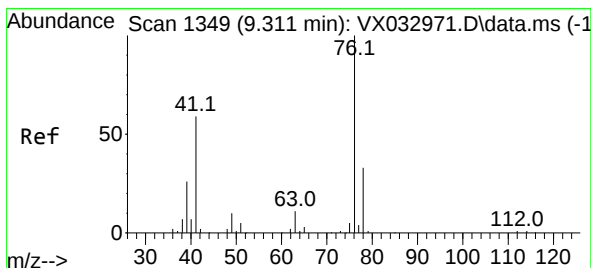
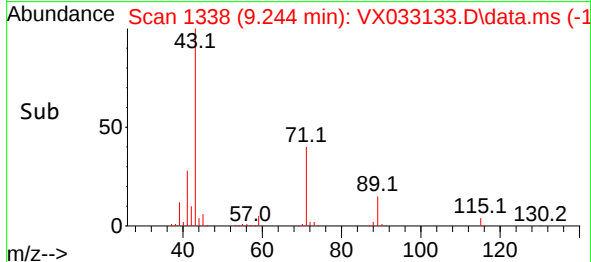
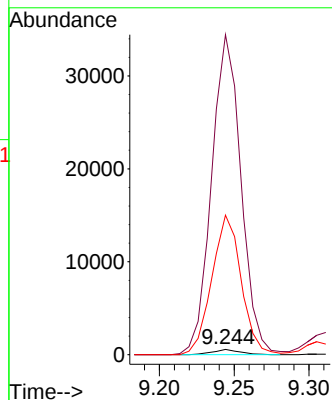
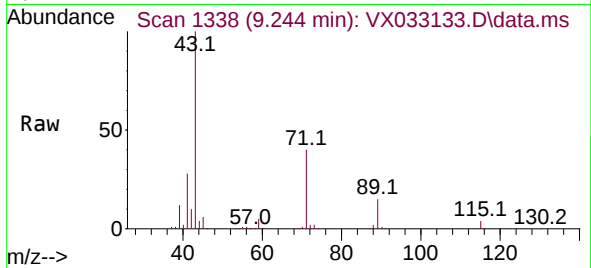




#56
Ethyl methacrylate
Concen: 0.314 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX033133.D
Acq: 30 Nov 2022 15:42

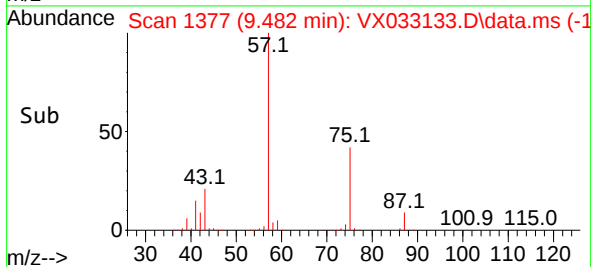
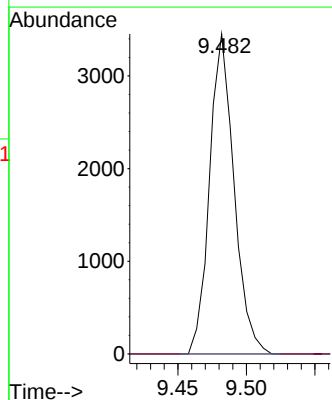
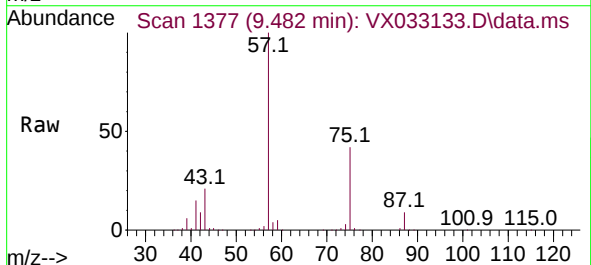
Instrument :
MSVOA_X
ClientSampleId :
HOWE-DRUM-C-1129

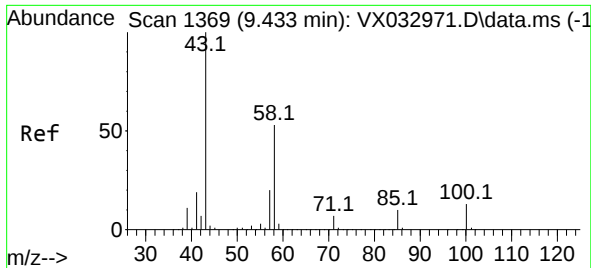
Tgt Ion: 69 Resp: 711
Ion Ratio Lower Upper
69 100
41 6663.6 54.3 81.5#
39 2884.2 35.2 52.8#



#57
1,3-Dichloropropane
Concen: 1.611 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX033133.D
Acq: 30 Nov 2022 15:42

Tgt Ion: 76 Resp: 4280
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#

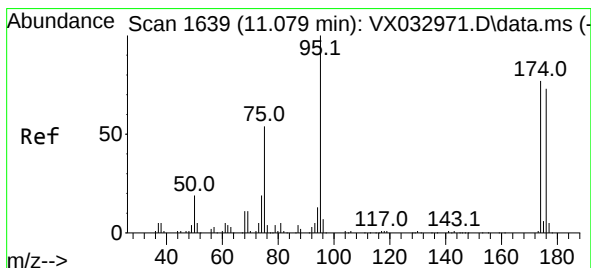
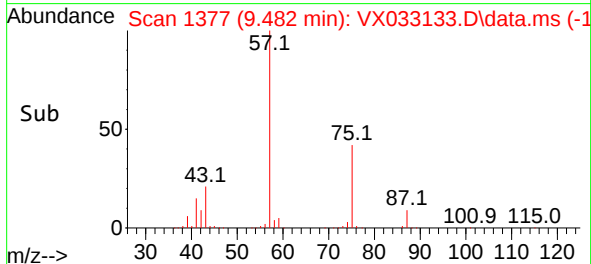
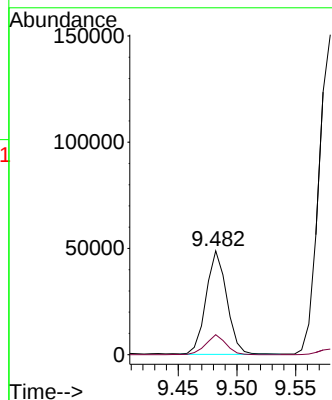
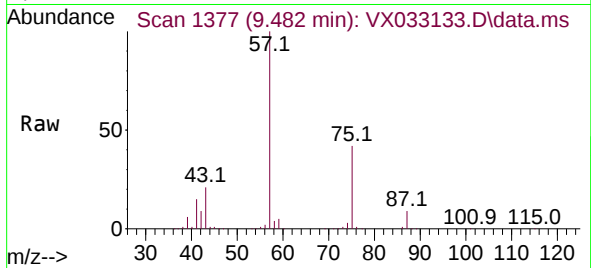




#59
2-Hexanone
Concen: 41.487 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX033133.D
Acq: 30 Nov 2022 15:42

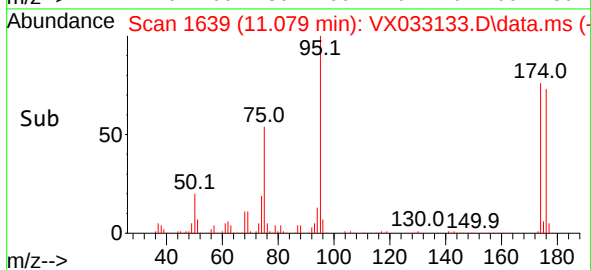
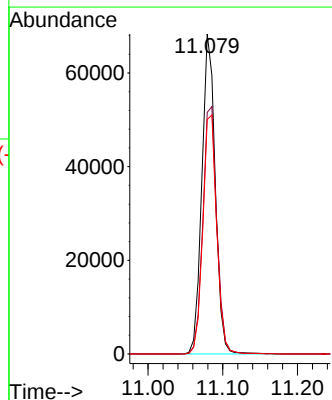
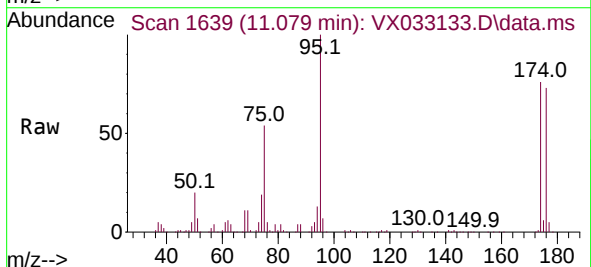
Instrument :
MSVOA_X
ClientSampleId :
HOWE-DRUM-C-1129

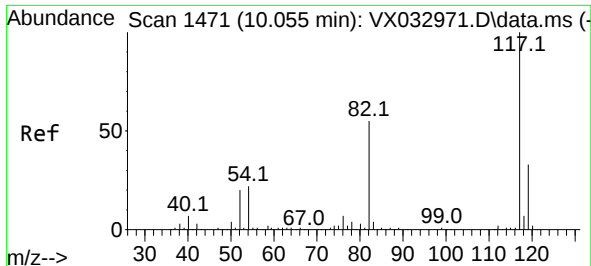
Tgt Ion: 43 Resp: 59800
Ion Ratio Lower Upper
43 100
58 18.8 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 47.178 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033133.D
Acq: 30 Nov 2022 15:42

Tgt Ion: 95 Resp: 84942
Ion Ratio Lower Upper
95 100
174 80.9 0.0 164.0
176 77.6 0.0 154.4

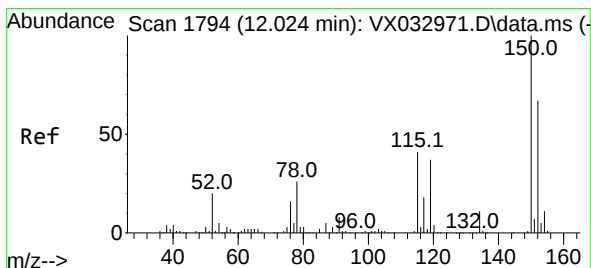
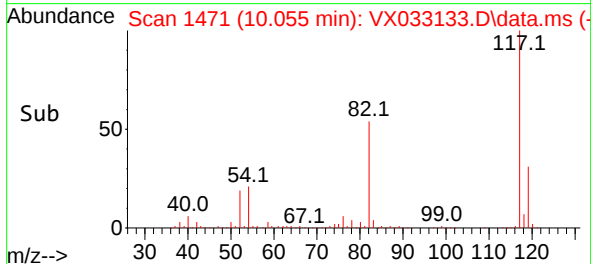
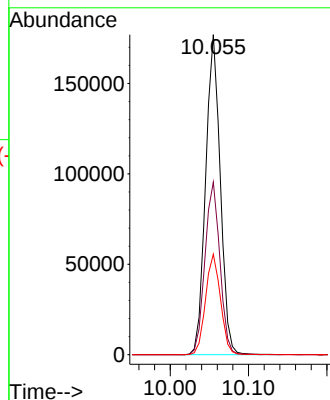
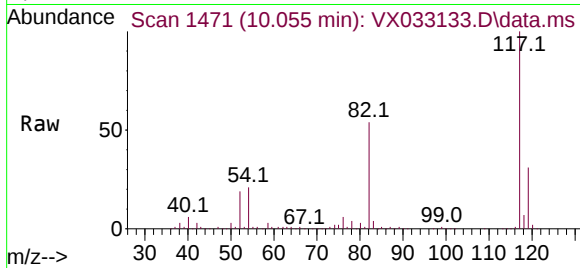




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033133.D
Acq: 30 Nov 2022 15:42

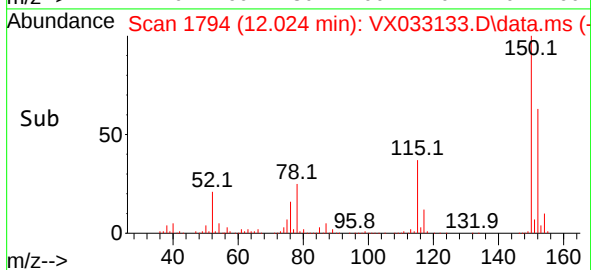
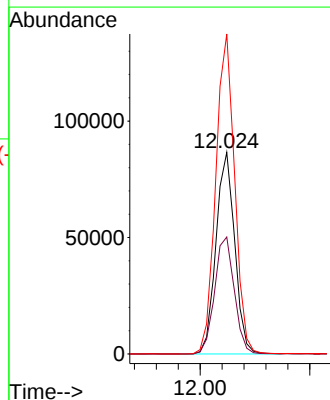
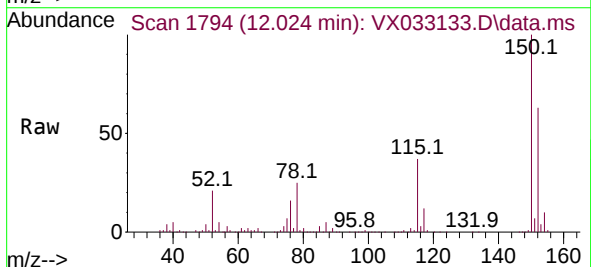
Instrument :
MSVOA_X
ClientSampleId :
HOWE-DRUM-C-1129

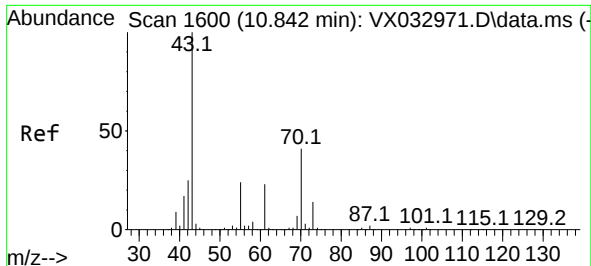
Tgt Ion:117 Resp: 229408
Ion Ratio Lower Upper
117 100
82 53.9 44.3 66.5
119 31.4 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033133.D
Acq: 30 Nov 2022 15:42

Tgt Ion:152 Resp: 102949
Ion Ratio Lower Upper
152 100
115 61.0 44.0 132.0
150 160.0 0.0 351.8

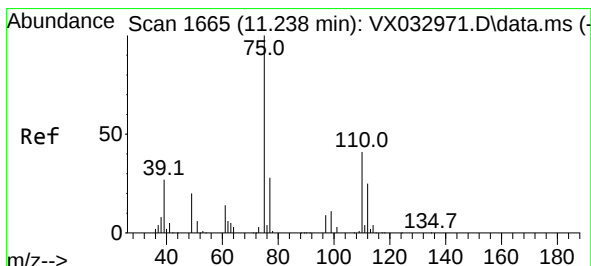
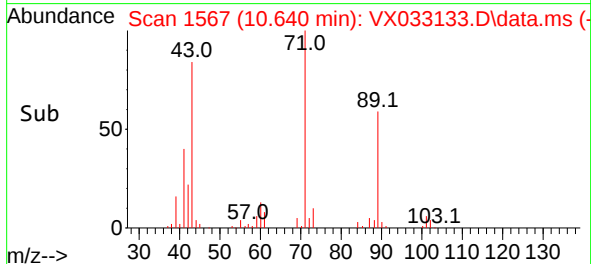
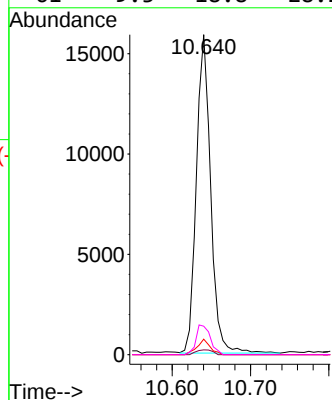
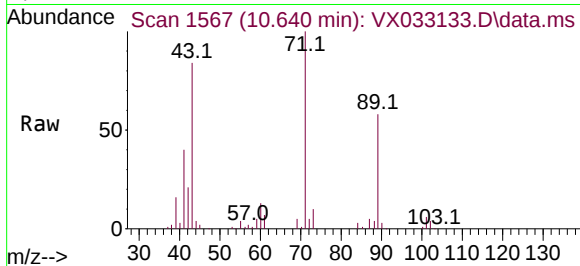




#74
N-amy1 acetate
Concen: 8.064 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX033133.D
Acq: 30 Nov 2022 15:42

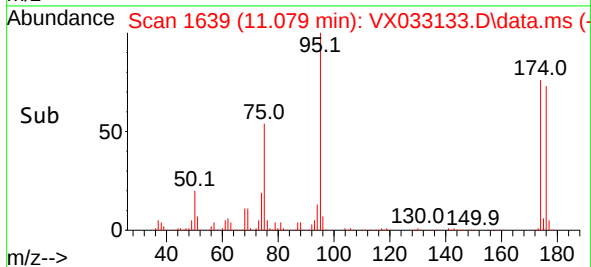
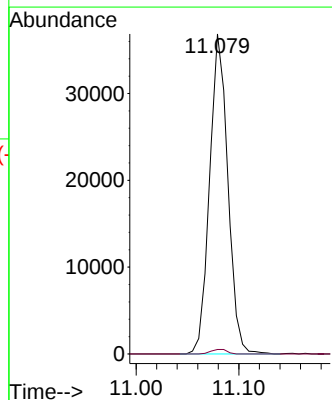
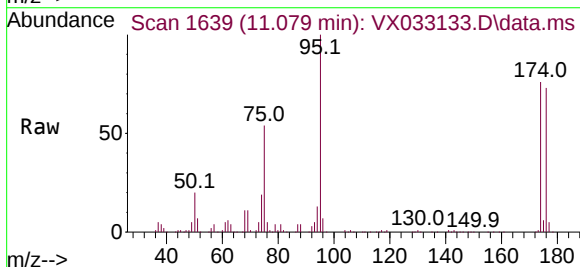
Instrument :
MSVOA_X
ClientSampleId :
HOWE-DRUM-C-1129

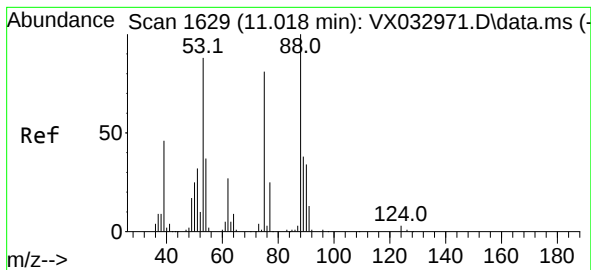
Tgt Ion: 43	Resp: 20180
Ion Ratio	Lower Upper
43	100
70	1.7 33.6 50.4#
55	4.4 19.4 29.2#
61	9.3 18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 23.272 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX033133.D
Acq: 30 Nov 2022 15:42

Tgt Ion: 75	Resp: 45373
Ion Ratio	Lower Upper
75	100
77	1.3 20.0 60.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.644 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX033133.D
 Acq: 30 Nov 2022 15:42

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

Tgt Ion: 75 Resp: 45373
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.9 130.3#
 89 0.0 38.3 57.5#

