

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX113022\
 Data File : VX033132.D
 Acq On : 30 Nov 2022 15:19
 Operator : JC/MD
 Sample : N5809-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Dec 01 00:20:48 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)

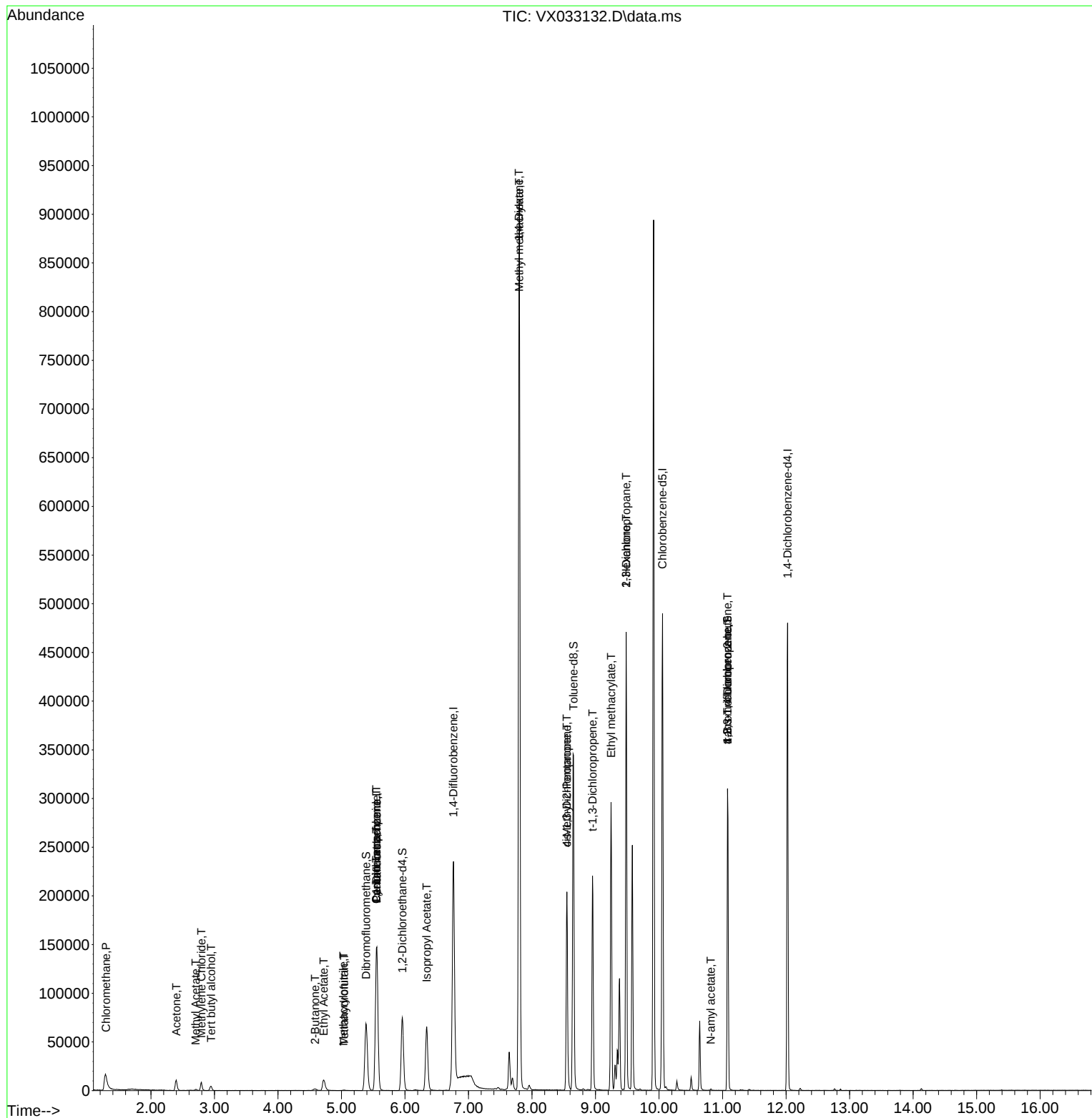
Internal Standards						
1) Pentafluorobenzene	5.556	168	140118	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	226770	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	212801	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97155	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	76237	56.061	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 112.120%	
35) Dibromofluoromethane	5.385	113	59385	46.451	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 92.900%	
50) Toluene-d8	8.653	98	209929	54.782	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 109.560%	
62) 4-Bromofluorobenzene	11.079	95	77390	46.083	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.160%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	877	0.759	ug/l #	43
11) Tert butyl alcohol	2.947	59	2787	12.885	ug/l #	72
16) Acetone	2.398	43	14962	23.478	ug/l	98
18) Methyl Acetate	2.703	43	1672	0.948	ug/l	93
20) Methylene Chloride	2.794	84	3812	1.619	ug/l	91
25) 2-Butanone	4.587	43	1777	2.022	ug/l	92
29) Tetrahydrofuran	5.044	42	537	0.963	ug/l #	57
31) Cyclohexane	5.550	56	2995	1.355	ug/l #	28
36) 1,1-Dichloropropene	5.550	75	10590	5.181	ug/l #	50
37) Ethyl Acetate	4.721	43	20559	11.528	ug/l	99
38) Carbon Tetrachloride	5.550	117	15363	6.775	ug/l #	14
41) Methacrylonitrile	5.032	41	334	0.333	ug/l #	21
43) Isopropyl Acetate	6.342	43	88235	29.916	ug/l	100
48) Methyl methacrylate	7.799	41	81817	53.891	ug/l #	44
49) 1,4-Dioxane	7.793	88	71	2.541	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	71327	39.191	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	479	1.720	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	31007	13.468	ug/l #	62
56) Ethyl methacrylate	9.244	69	660	0.312	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4205	1.697	ug/l #	42
59) 2-Hexanone	9.482	43	54352	40.426	ug/l #	51
74) N-amyl acetate	10.817	43	645	0.273	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	42292	22.985	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	42292	74.713	ug/l #	6

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

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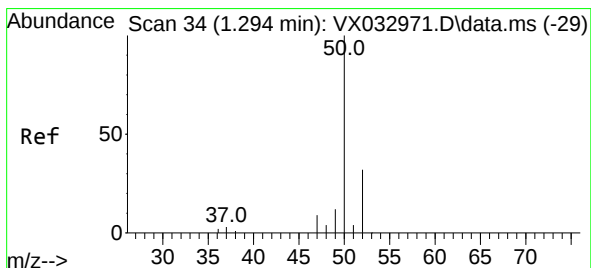
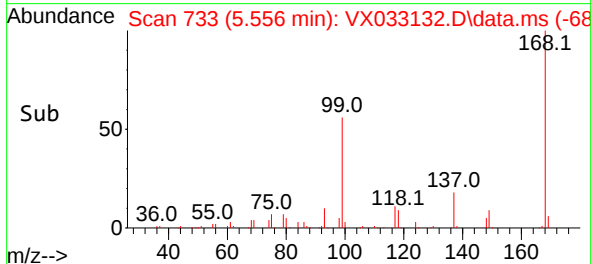
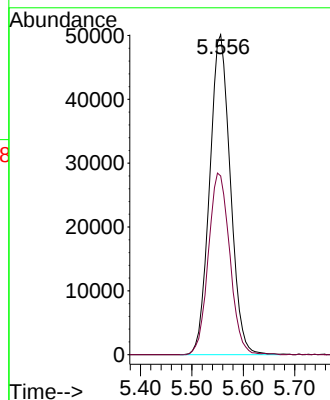
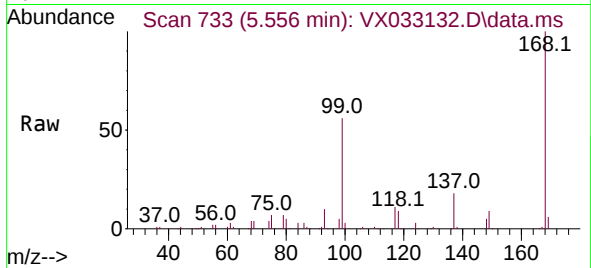




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033132.D
Acq: 30 Nov 2022 15:19

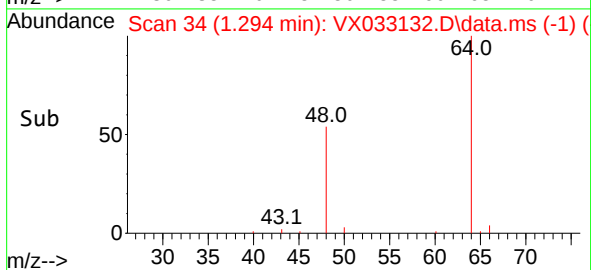
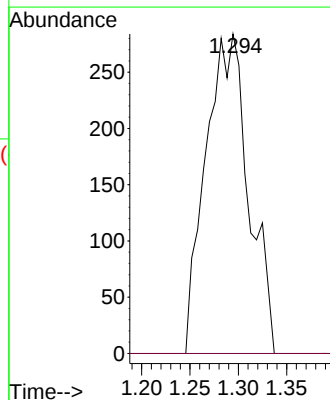
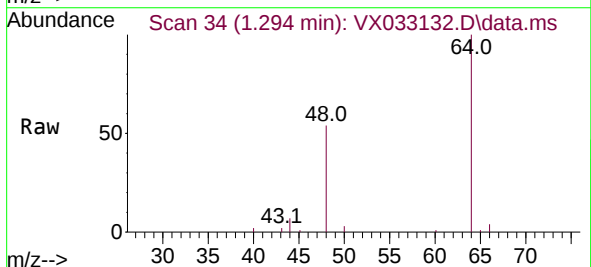
Instrument :
MSVOA_X
ClientSampleId :
HOWE-DRUM-B-1129

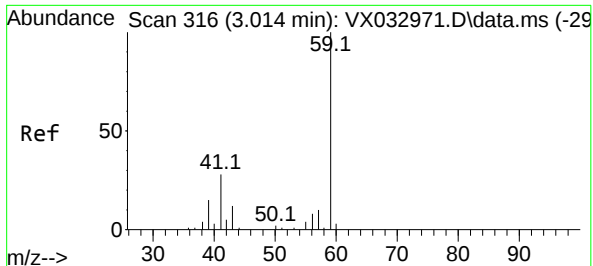
Tgt Ion:168 Resp: 140118
Ion Ratio Lower Upper
168 100
99 55.8 46.1 69.1



#3
Chloromethane
Concen: 0.759 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX033132.D
Acq: 30 Nov 2022 15:19

Tgt Ion: 50 Resp: 877
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: 12.885 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.018 min

Lab File: VX033132.D

Acq: 30 Nov 2022 15:19

Instrument :

MSVOA_X

ClientSampleId :

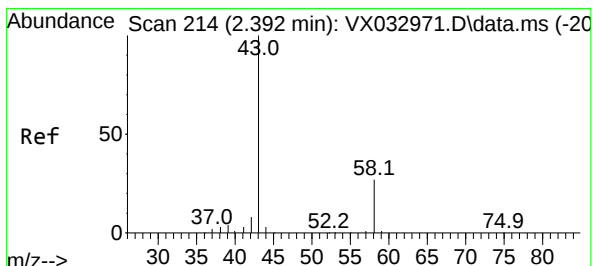
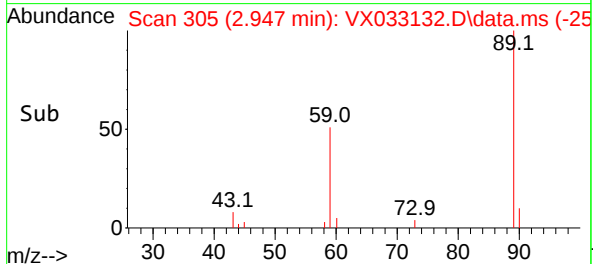
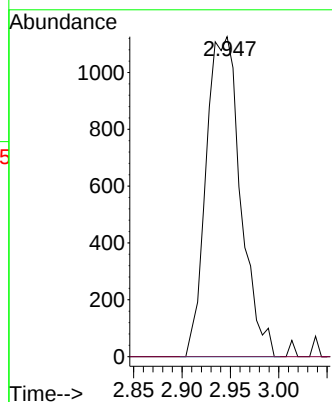
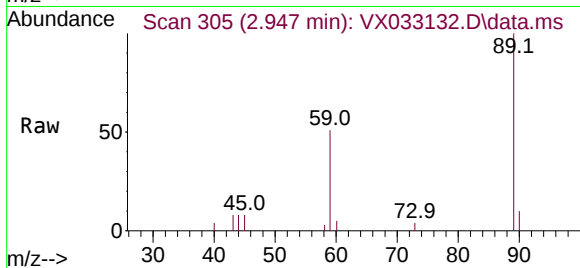
HOWE-DRUM-B-1129

Tgt Ion: 59 Resp: 2787

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 23.478 ug/l

RT: 2.398 min Scan# 215

Delta R.T. 0.018 min

Lab File: VX033132.D

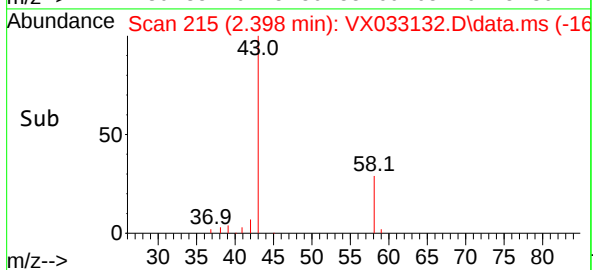
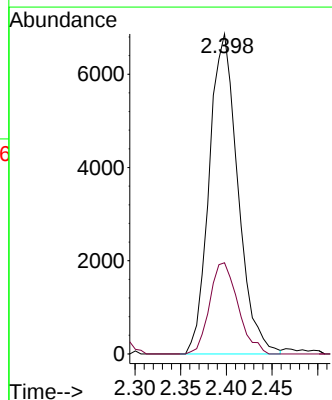
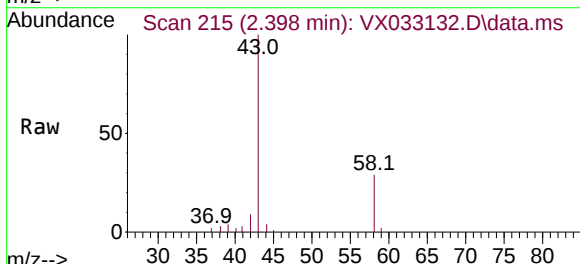
Acq: 30 Nov 2022 15:19

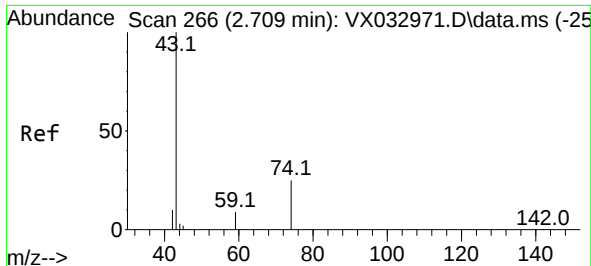
Tgt Ion: 43 Resp: 14962

Ion Ratio Lower Upper

43 100

58 28.5 23.8 35.8

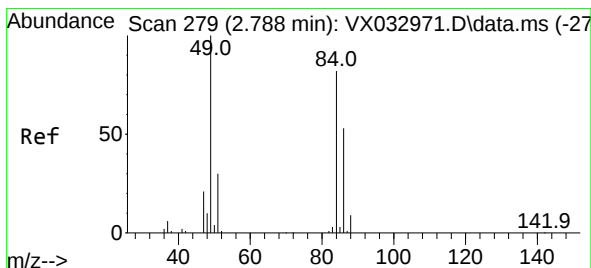
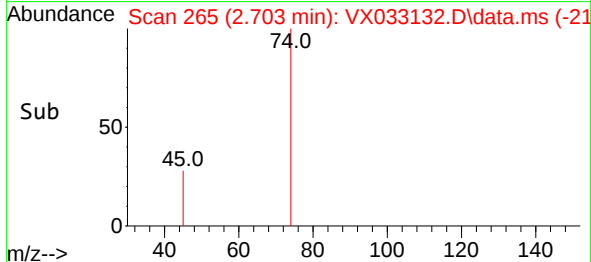
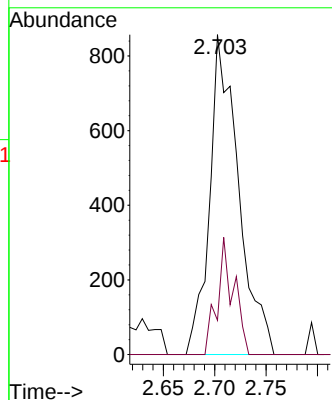
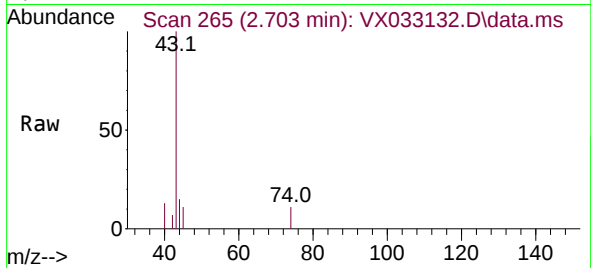




#18
Methyl Acetate
Concen: 0.948 ug/l
RT: 2.703 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX033132.D
Acq: 30 Nov 2022 15:19

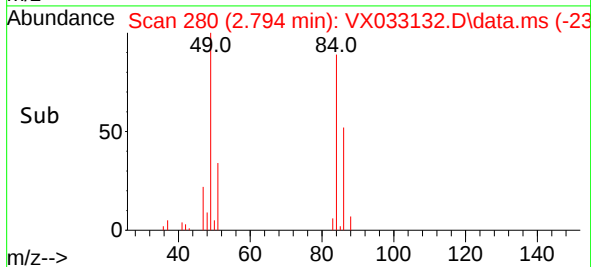
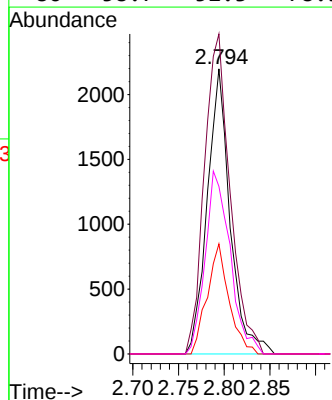
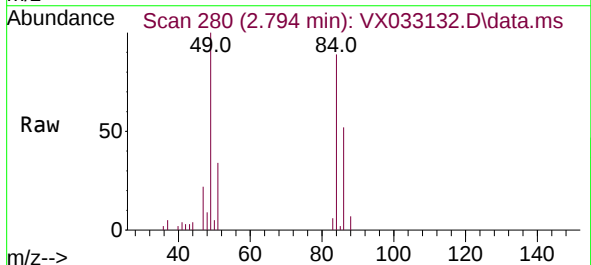
Instrument :
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ClientSampleId :
HOWE-DRUM-B-1129

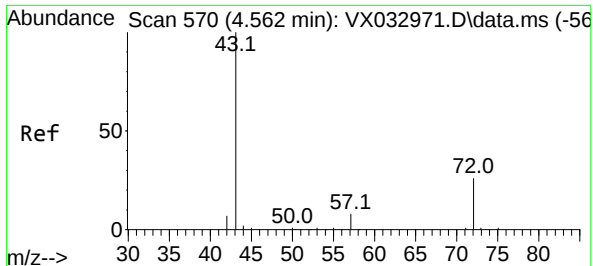
Tgt Ion: 43 Resp: 1672
Ion Ratio Lower Upper
43 100
74 20.9 19.4 29.0



#20
Methylene Chloride
Concen: 1.619 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX033132.D
Acq: 30 Nov 2022 15:19

Tgt Ion: 84 Resp: 3812
Ion Ratio Lower Upper
84 100
49 112.2 101.0 151.6
51 38.6 31.1 46.7
86 58.7 52.3 78.5





#25

2-Butanone

Concen: 2.022 ug/l

RT: 4.587 min Scan# 51

Delta R.T. 0.031 min

Lab File: VX033132.D

Acq: 30 Nov 2022 15:19

Instrument :

MSVOA_X

ClientSampleId :

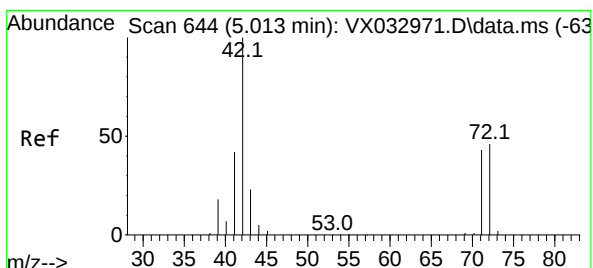
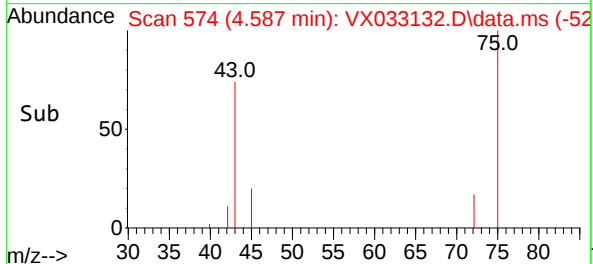
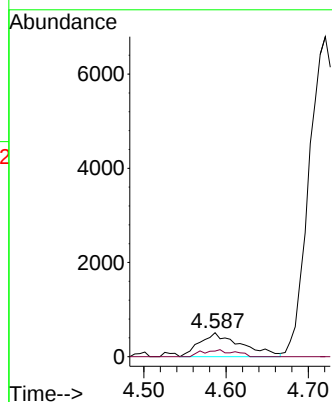
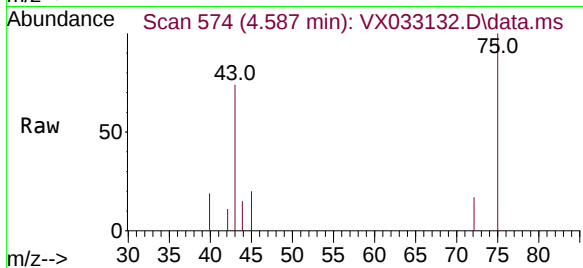
HOWE-DRUM-B-1129

Tgt Ion: 43 Resp: 1777

Ion Ratio Lower Upper

43 100

72 23.6 22.2 33.2



#29

Tetrahydrofuran

Concen: 0.963 ug/l

RT: 5.044 min Scan# 649

Delta R.T. 0.043 min

Lab File: VX033132.D

Acq: 30 Nov 2022 15:19

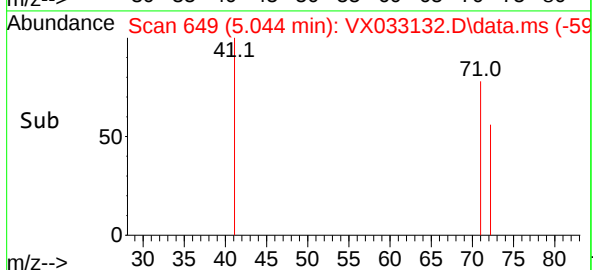
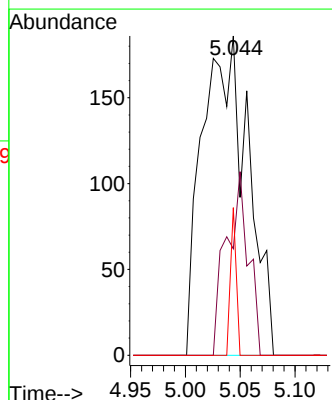
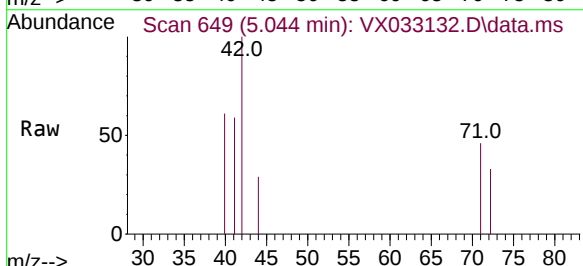
Tgt Ion: 42 Resp: 537

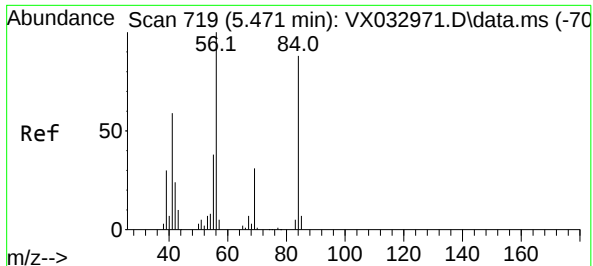
Ion Ratio Lower Upper

42 100

72 27.7 37.6 56.4#

71 5.8 34.7 52.1#

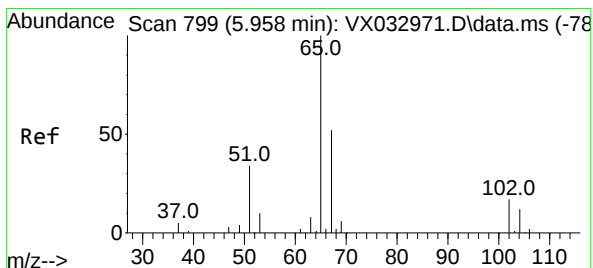
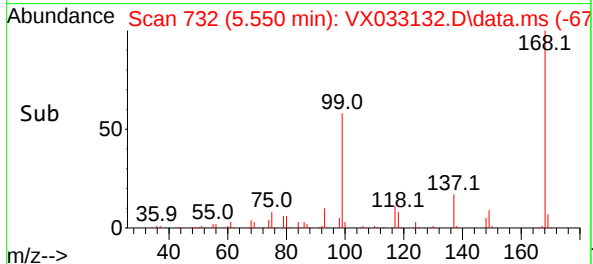
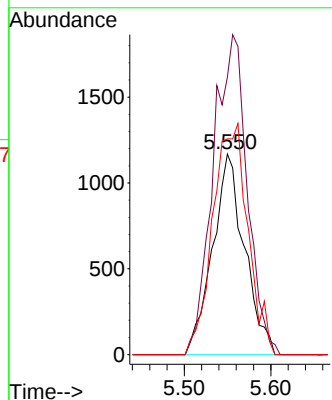
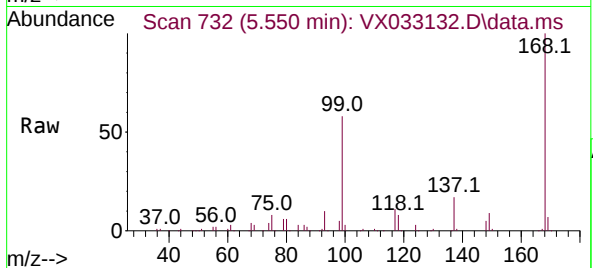




#31
Cyclohexane
Concen: 1.355 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX033132.D
Acq: 30 Nov 2022 15:19

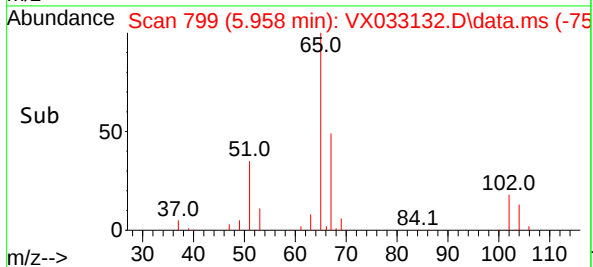
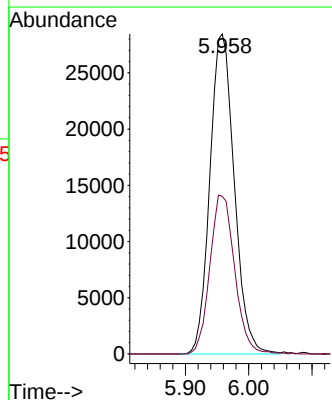
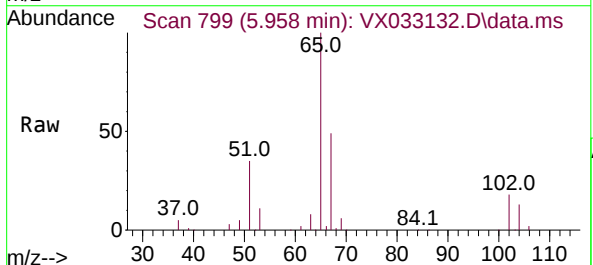
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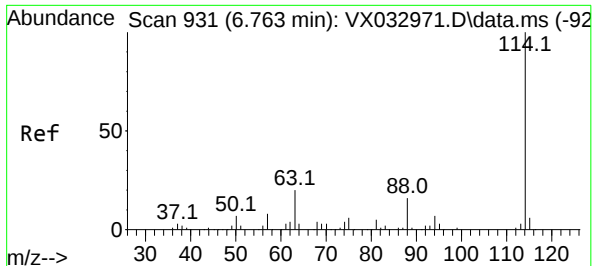
Tgt Ion: 56 Resp: 2995
Ion Ratio Lower Upper
56 100
69 138.3 24.1 36.1#
84 107.5 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 56.061 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033132.D
Acq: 30 Nov 2022 15:19

Tgt Ion: 65 Resp: 76237
Ion Ratio Lower Upper
65 100
67 50.4 0.0 101.8

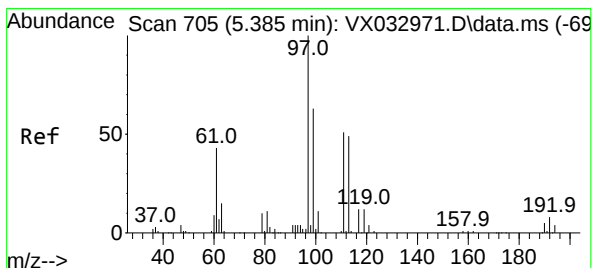
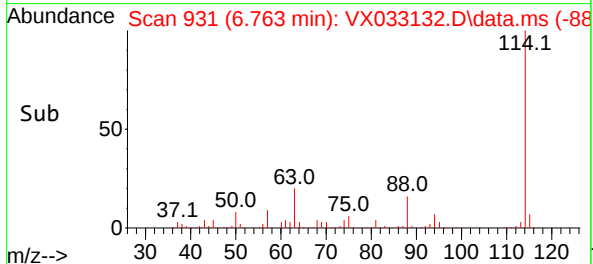
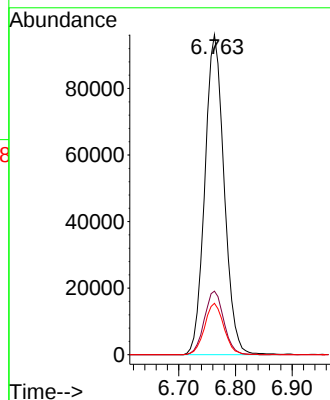
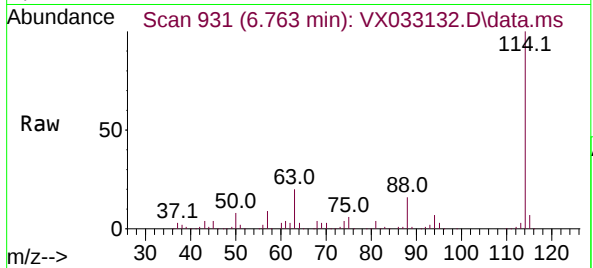




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX033132.D
Acq: 30 Nov 2022 15:19

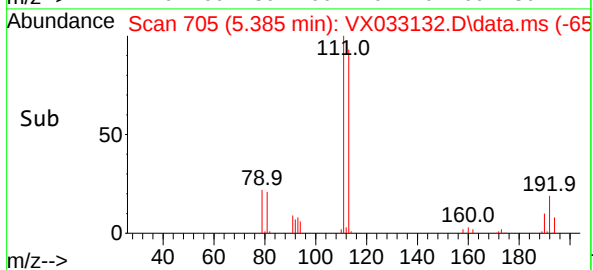
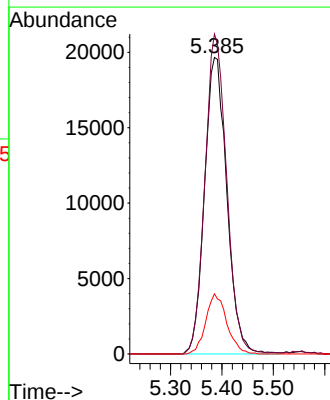
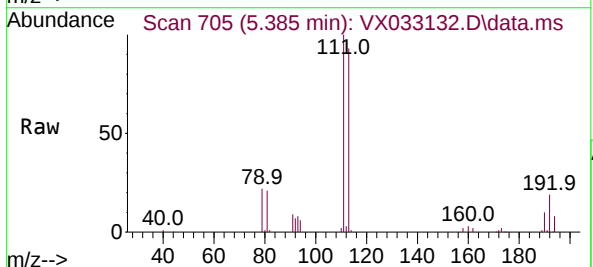
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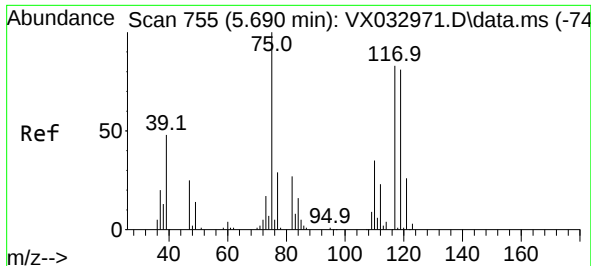
Tgt Ion:114 Resp: 226770
Ion Ratio Lower Upper
114 100
63 19.8 0.0 41.6
88 16.1 0.0 33.4



#35
Dibromofluoromethane
Concen: 46.451 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX033132.D
Acq: 30 Nov 2022 15:19

Tgt Ion:113 Resp: 59385
Ion Ratio Lower Upper
113 100
111 104.7 82.4 123.6
192 19.1 15.4 23.2





#36

1,1-Dichloropropene

Concen: 5.181 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX033132.D

Acq: 30 Nov 2022 15:19

Instrument :

MSVOA_X

ClientSampleId :

HOWE-DRUM-B-1129

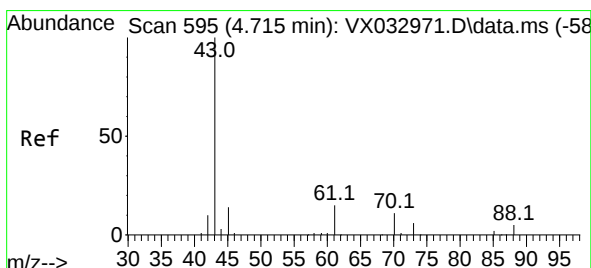
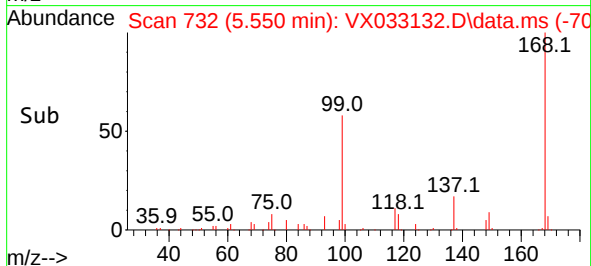
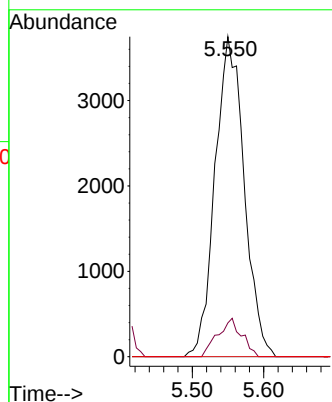
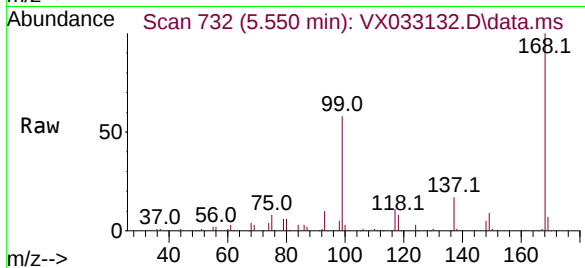
Tgt Ion: 75 Resp: 10590

Ion Ratio Lower Upper

75 100

110 9.9 18.4 55.2#

77 0.0 24.5 36.7#



#37

Ethyl Acetate

Concen: 11.528 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.006 min

Lab File: VX033132.D

Acq: 30 Nov 2022 15:19

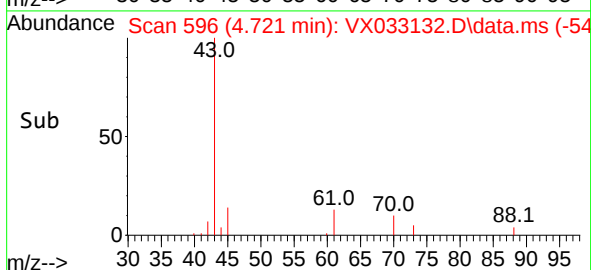
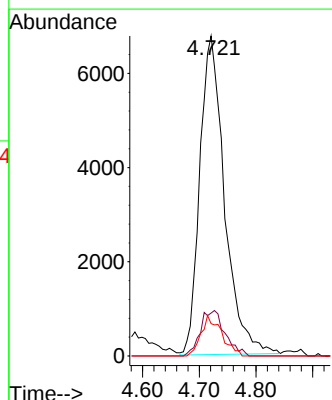
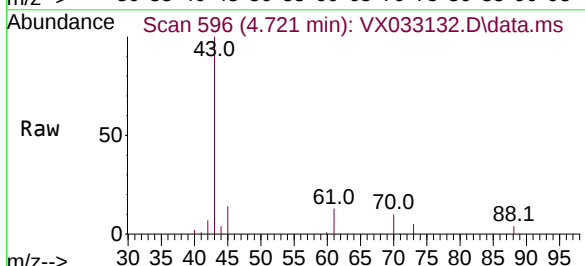
Tgt Ion: 43 Resp: 20559

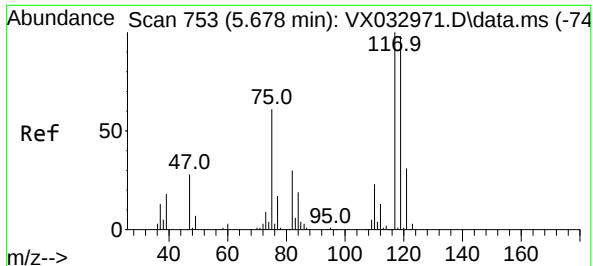
Ion Ratio Lower Upper

43 100

61 14.2 11.5 17.3

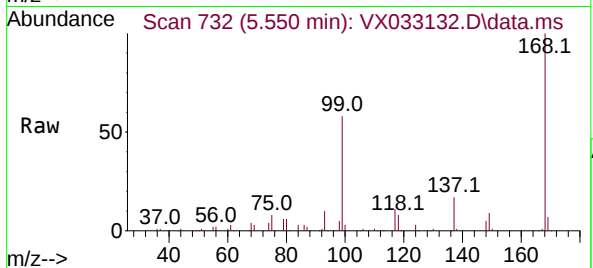
70 10.5 9.1 13.7



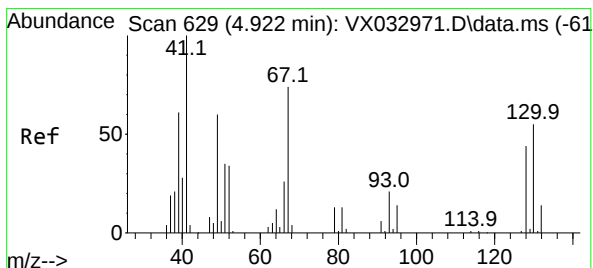
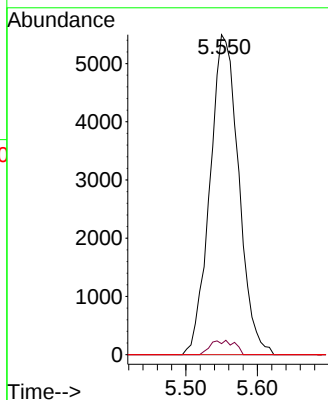
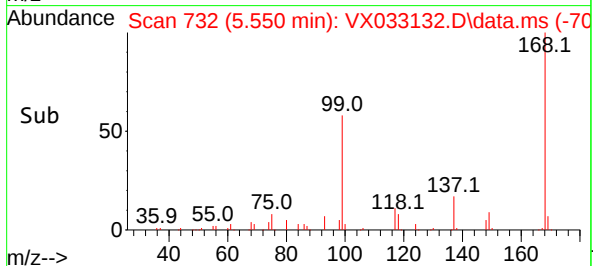


#38
Carbon Tetrachloride
Concen: 6.775 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX033132.D
Acq: 30 Nov 2022 15:19

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

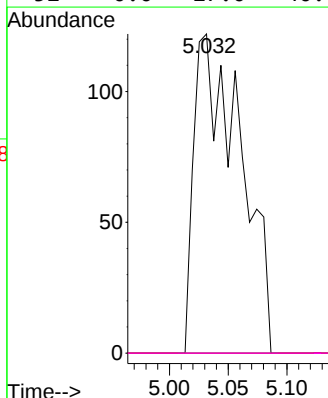
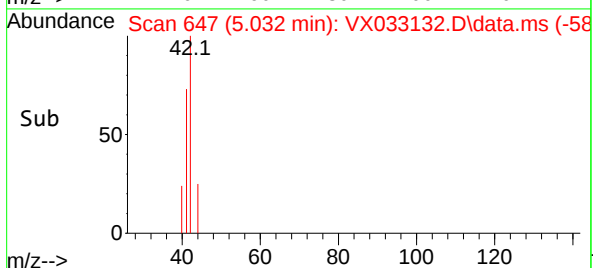
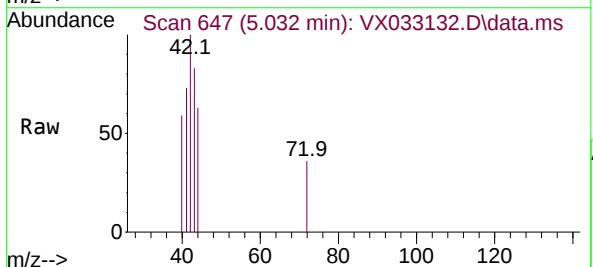


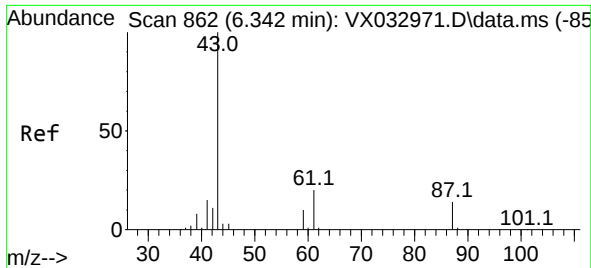
Tgt Ion:117 Resp: 15363
Ion Ratio Lower Upper
117 100
119 3.4 77.2 115.8#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 0.333 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.110 min
Lab File: VX033132.D
Acq: 30 Nov 2022 15:19

Tgt Ion: 41 Resp: 334
Ion Ratio Lower Upper
41 100
39 0.0 47.5 71.3#
67 0.0 60.5 90.7#
52 0.0 27.0 40.6#

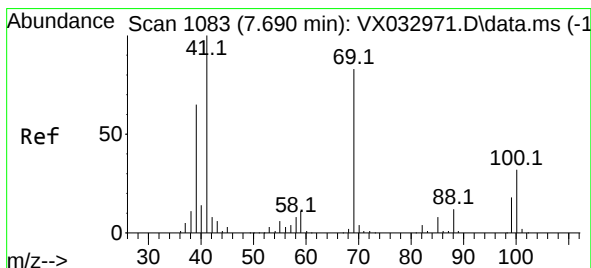
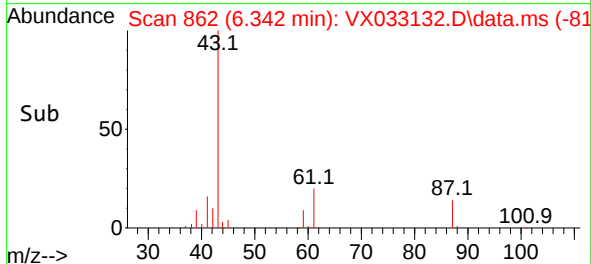
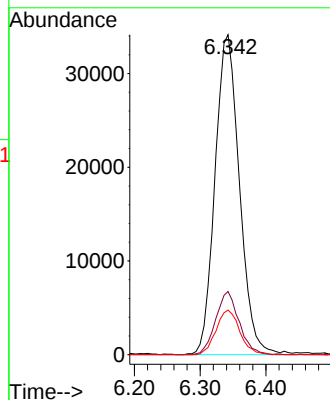
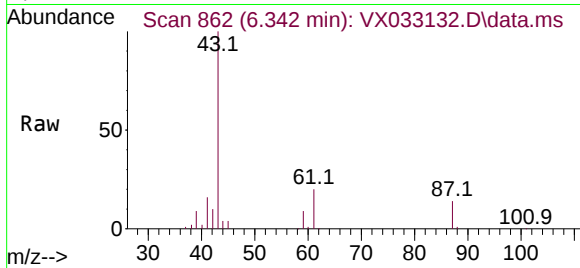




#43
Isopropyl Acetate
Concen: 29.916 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX033132.D
Acq: 30 Nov 2022 15:19

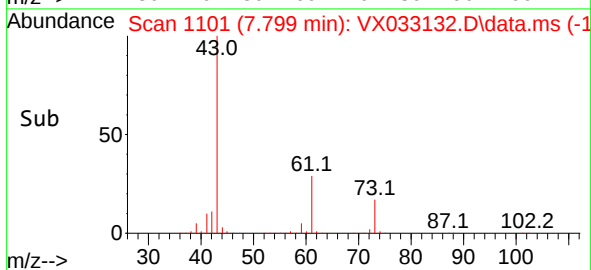
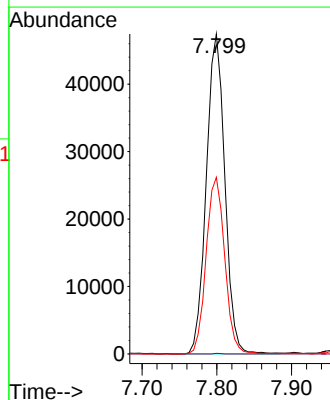
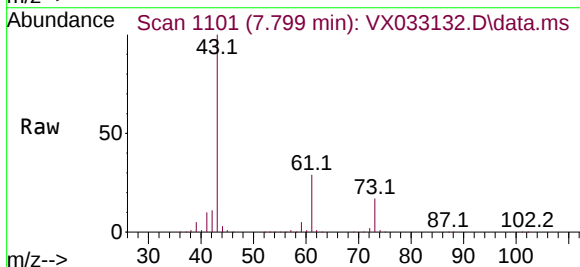
Instrument :
MSVOA_X
ClientSampleId :
HOWE-DRUM-B-1129

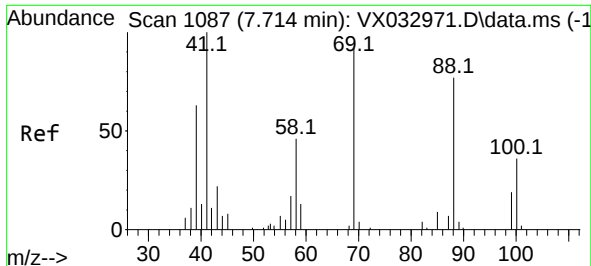
Tgt Ion:	43	Resp:	88235
Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.4	23.0
87	13.5	10.8	16.2



#48
Methyl methacrylate
Concen: 53.891 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX033132.D
Acq: 30 Nov 2022 15:19

Tgt Ion:	41	Resp:	81817
Ion	Ratio	Lower	Upper
41	100		
69	0.1	65.1	97.7#
39	55.4	51.9	77.9





#49

1,4-Dioxane

Concen: 2.541 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.122 min

Lab File: VX033132.D

Acq: 30 Nov 2022 15:19

Instrument :

MSVOA_X

ClientSampleId :

HOWE-DRUM-B-1129

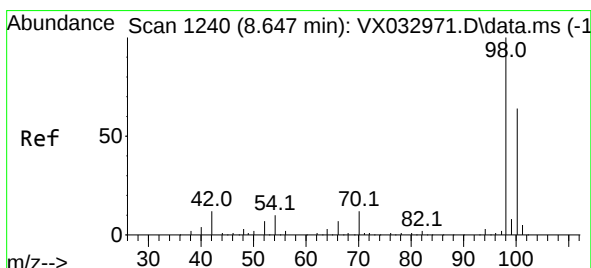
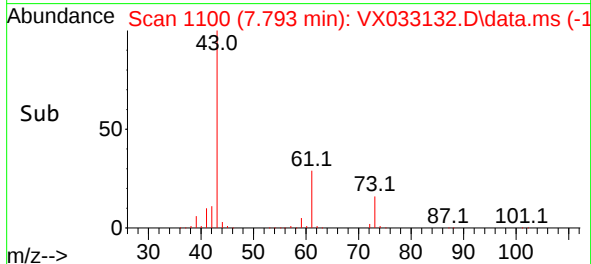
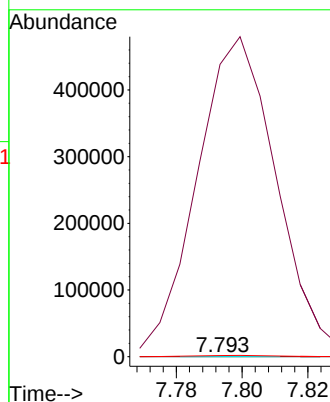
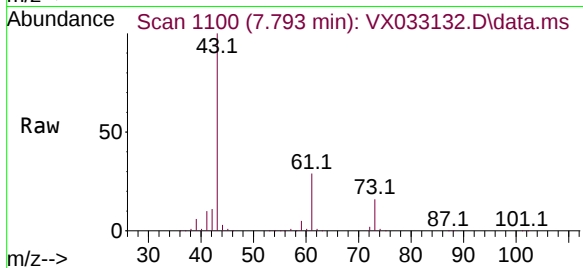
Tgt Ion: 88 Resp: 71

Ion Ratio Lower Upper

88 100

43 1148001.4 26.6 39.8#

58 4723.9 51.7 77.5#



#50

Toluene-d8

Concen: 54.782 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX033132.D

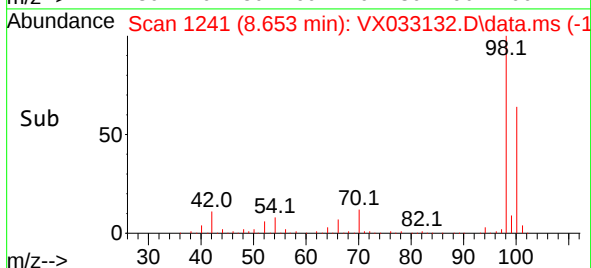
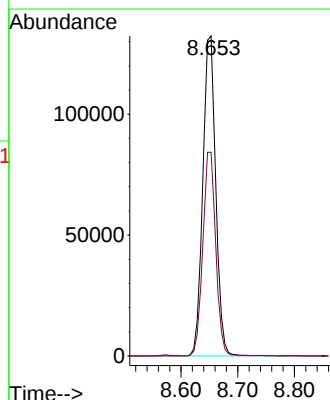
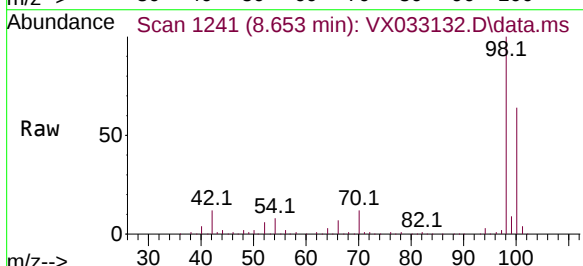
Acq: 30 Nov 2022 15:19

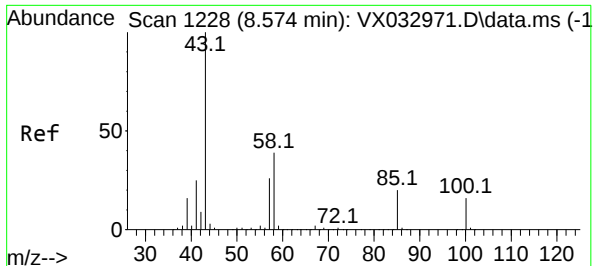
Tgt Ion: 98 Resp: 209929

Ion Ratio Lower Upper

98 100

100 63.7 50.9 76.3

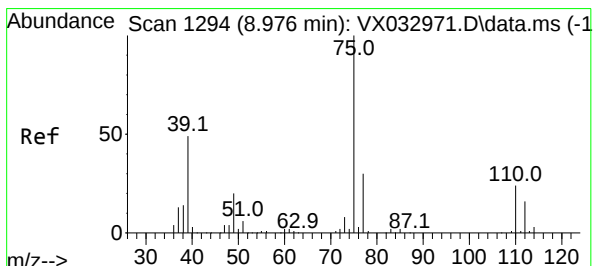
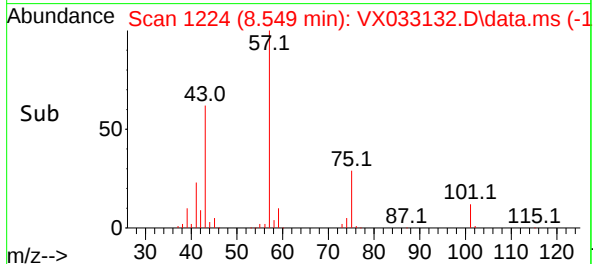
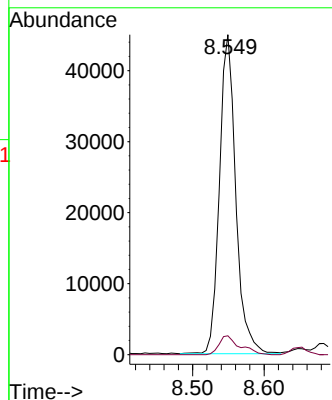
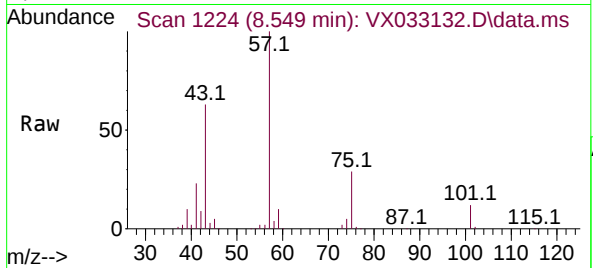




#51
4-Methyl-2-Pentanone
Concen: 39.191 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX033132.D
Acq: 30 Nov 2022 15:19

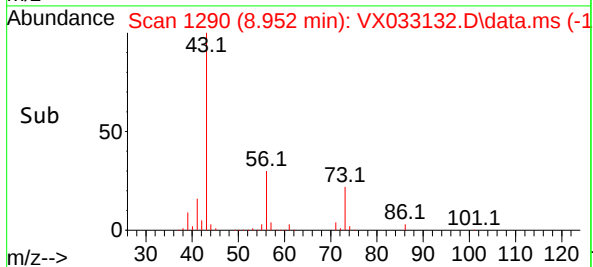
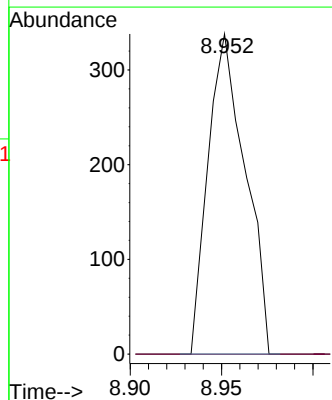
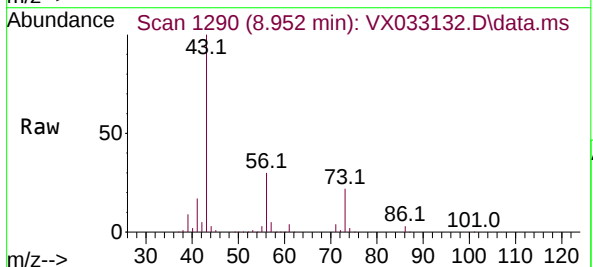
Instrument :
MSVOA_X
ClientSampleId :
HOWE-DRUM-B-1129

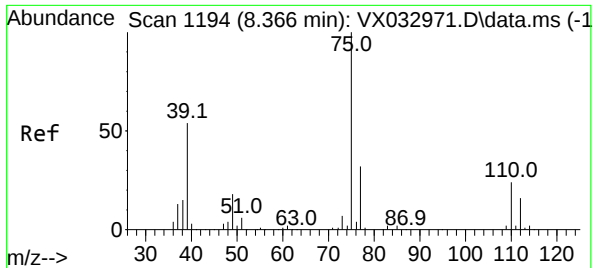
Tgt Ion: 43 Resp: 71327
Ion Ratio Lower Upper
43 100
58 7.5 30.9 46.3#



#53
t-1,3-Dichloropropene
Concen: 1.720 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.030 min
Lab File: VX033132.D
Acq: 30 Nov 2022 15:19

Tgt Ion: 75 Resp: 479
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#

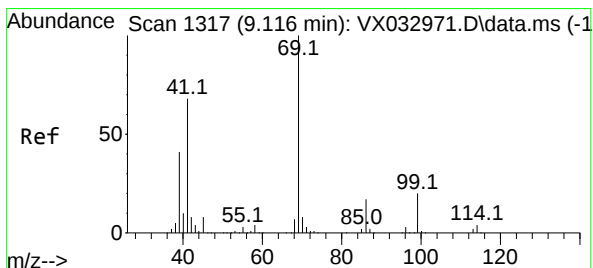
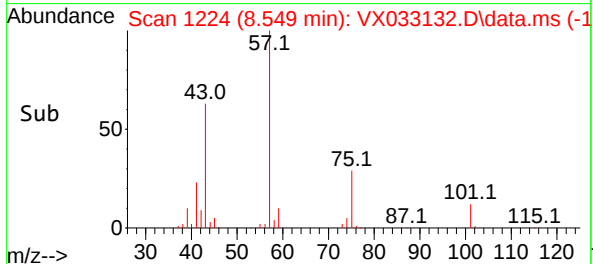
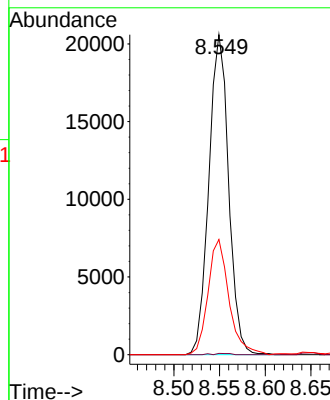
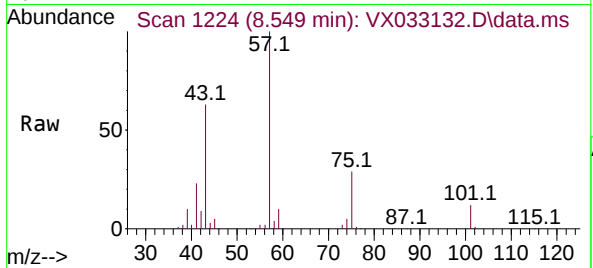




#54
 cis-1,3-Dichloropropene
 Concen: 13.468 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX033132.D
 Acq: 30 Nov 2022 15:19

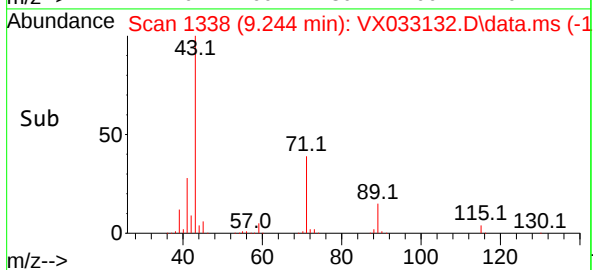
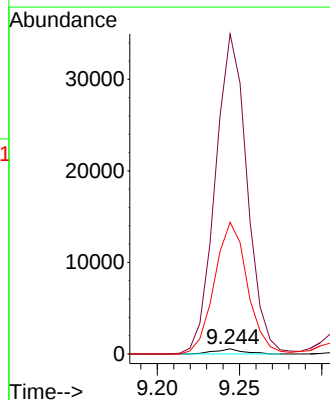
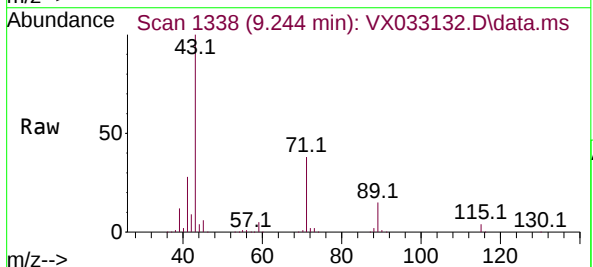
Instrument :
 MSVOA_X
 ClientSampleId :
 HOWE-DRUM-B-1129

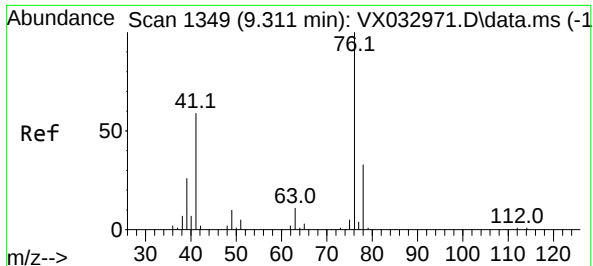
Tgt Ion: 75 Resp: 31007
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.1 37.7#
 39 36.0 45.5 68.3#



#56
 Ethyl methacrylate
 Concen: 0.312 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX033132.D
 Acq: 30 Nov 2022 15:19

Tgt Ion: 69 Resp: 660
 Ion Ratio Lower Upper
 69 100
 41 7140.0 54.3 81.5#
 39 3041.4 35.2 52.8#





#57

1,3-Dichloropropane

Concen: 1.697 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX033132.D

Acq: 30 Nov 2022 15:19

Instrument :

MSVOA_X

ClientSampleId :

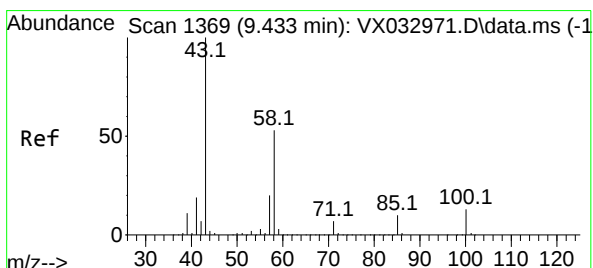
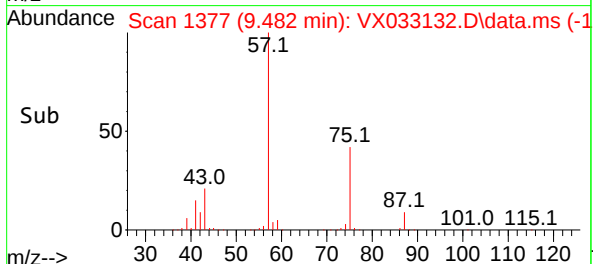
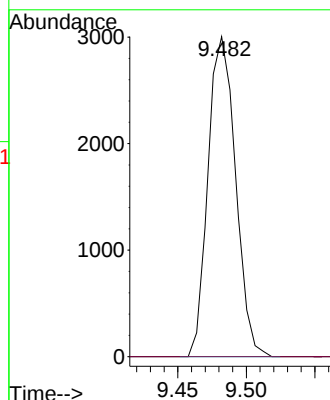
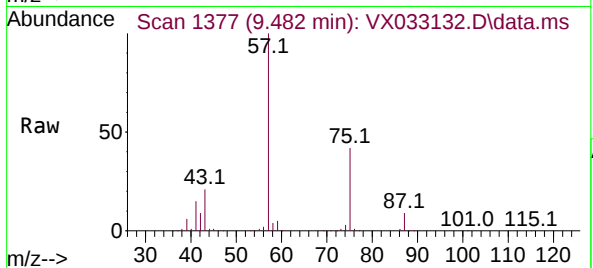
HOWE-DRUM-B-1129

Tgt Ion: 76 Resp: 4205

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 40.426 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033132.D

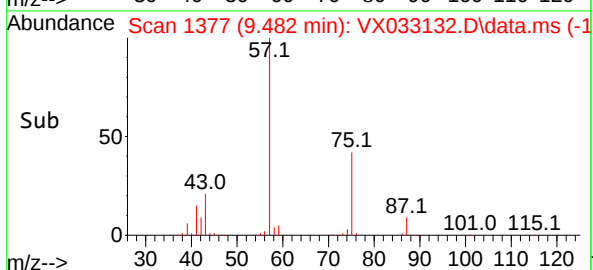
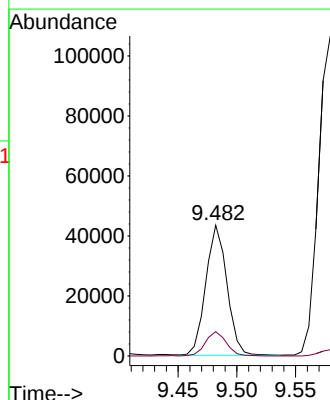
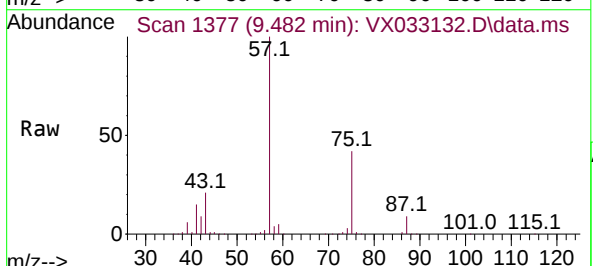
Acq: 30 Nov 2022 15:19

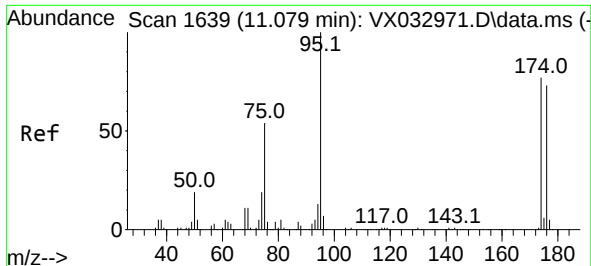
Tgt Ion: 43 Resp: 54352

Ion Ratio Lower Upper

43 100

58 18.5 26.5 79.5#

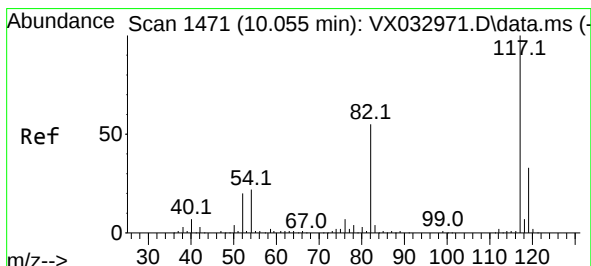
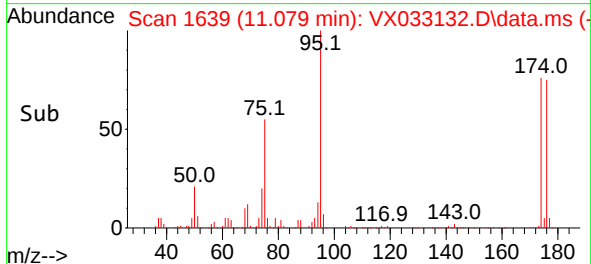
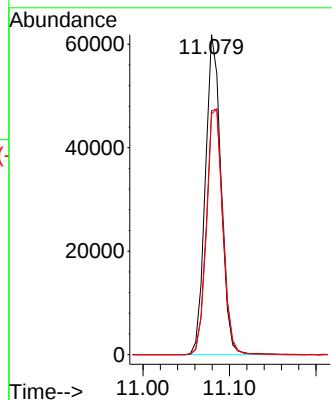
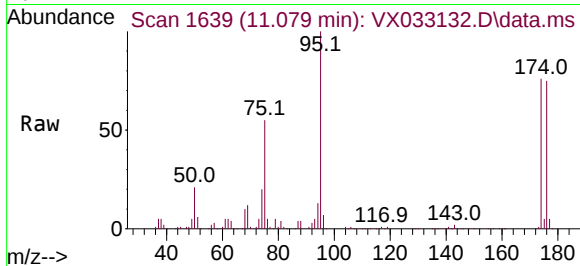




#62
4-Bromofluorobenzene
Concen: 46.083 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033132.D
Acq: 30 Nov 2022 15:19

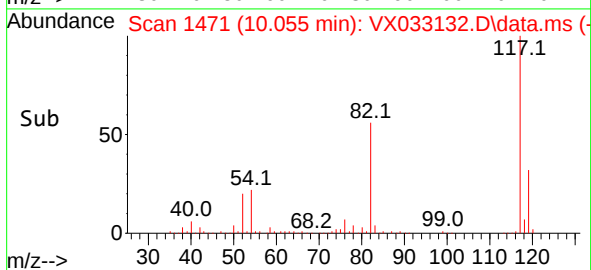
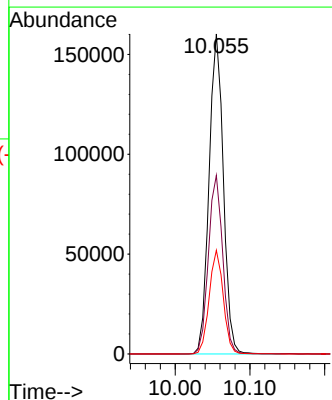
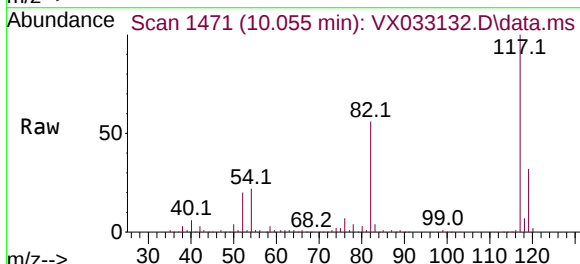
Instrument :
MSVOA_X
ClientSampleId :
HOWE-DRUM-B-1129

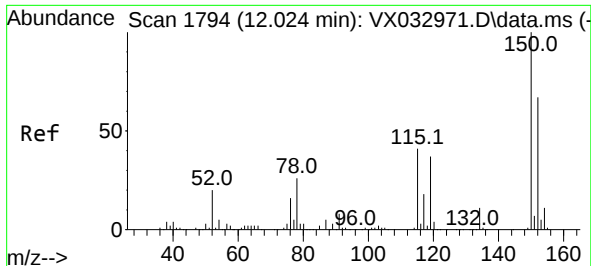
Tgt Ion: 95 Resp: 77390
Ion Ratio Lower Upper
95 100
174 81.8 0.0 164.0
176 79.6 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033132.D
Acq: 30 Nov 2022 15:19

Tgt Ion: 117 Resp: 212801
Ion Ratio Lower Upper
117 100
82 55.8 44.3 66.5
119 32.4 25.7 38.5

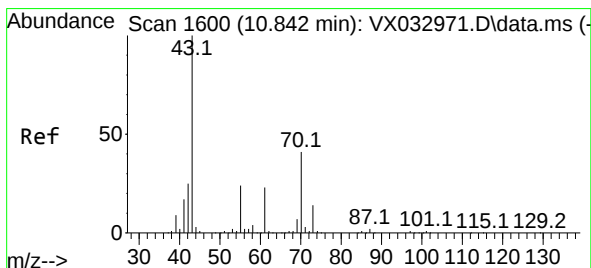
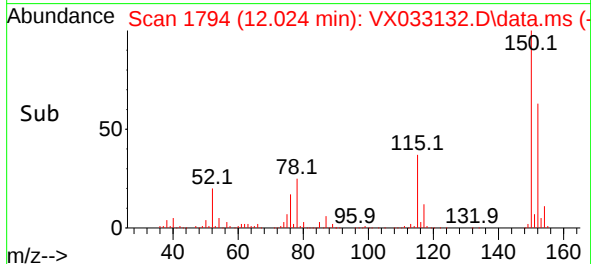
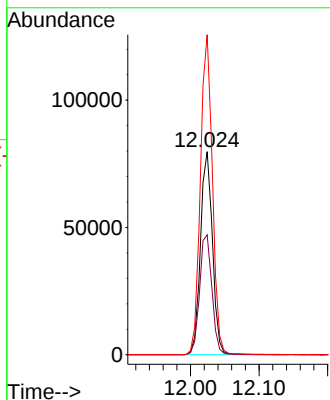
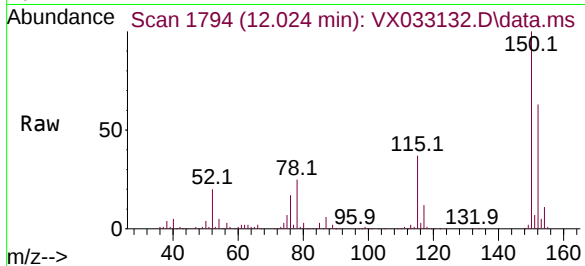




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033132.D
Acq: 30 Nov 2022 15:19

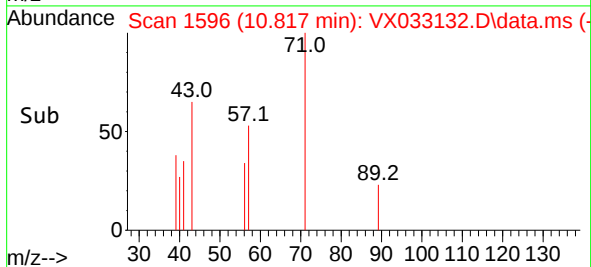
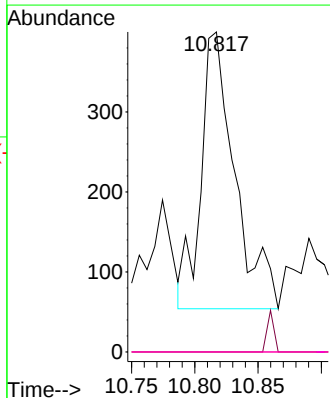
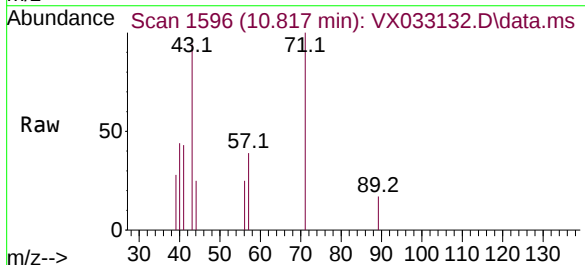
Instrument :
MSVOA_X
ClientSampleId :
HOWE-DRUM-B-1129

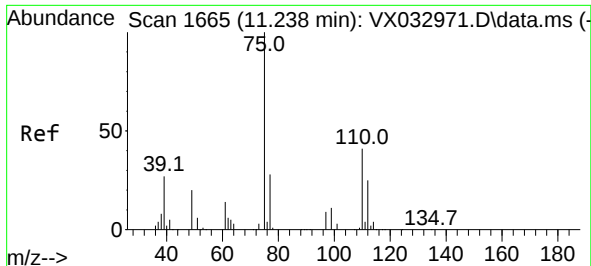
Tgt Ion:152 Resp: 97155
Ion Ratio Lower Upper
152 100
115 60.7 44.0 132.0
150 158.2 0.0 351.8



#74
N-ethyl acetate
Concen: 0.273 ug/l
RT: 10.817 min Scan# 1596
Delta R.T. -0.024 min
Lab File: VX033132.D
Acq: 30 Nov 2022 15:19

Tgt Ion: 43 Resp: 645
Ion Ratio Lower Upper
43 100
70 0.0 33.6 50.4#
55 0.0 19.4 29.2#
61 0.0 18.8 28.2#

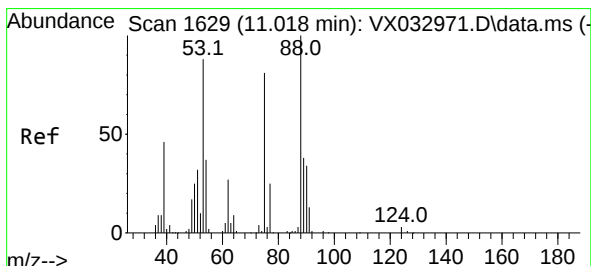
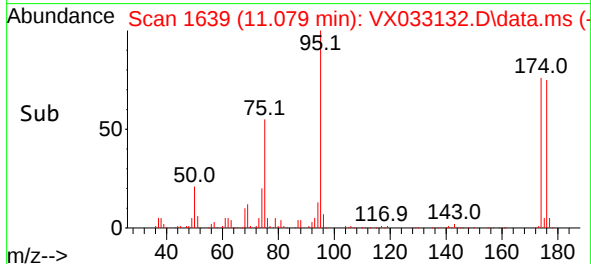
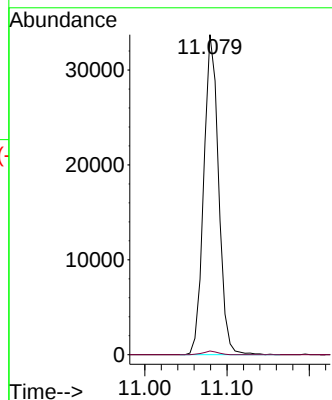
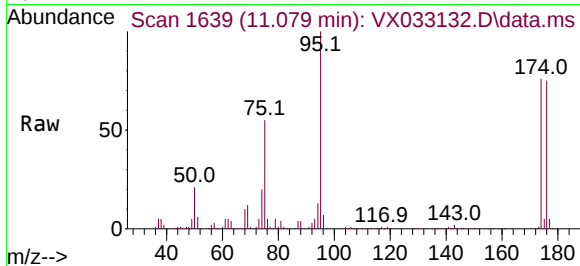




#76
1,2,3-Trichloropropane
Concen: 22.985 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX033132.D
Acq: 30 Nov 2022 15:19

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

Tgt Ion: 75 Resp: 42292
Ion Ratio Lower Upper
75 100
77 1.1 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.713 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033132.D
Acq: 30 Nov 2022 15:19

Tgt Ion: 75 Resp: 42292
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

