

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111622\
 Data File : VX032877.D
 Acq On : 16 Nov 2022 18:43
 Operator : JC/MD
 Sample : N5624-01 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 HTMR-SILICA-1115

Quant Time: Nov 17 05:44:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

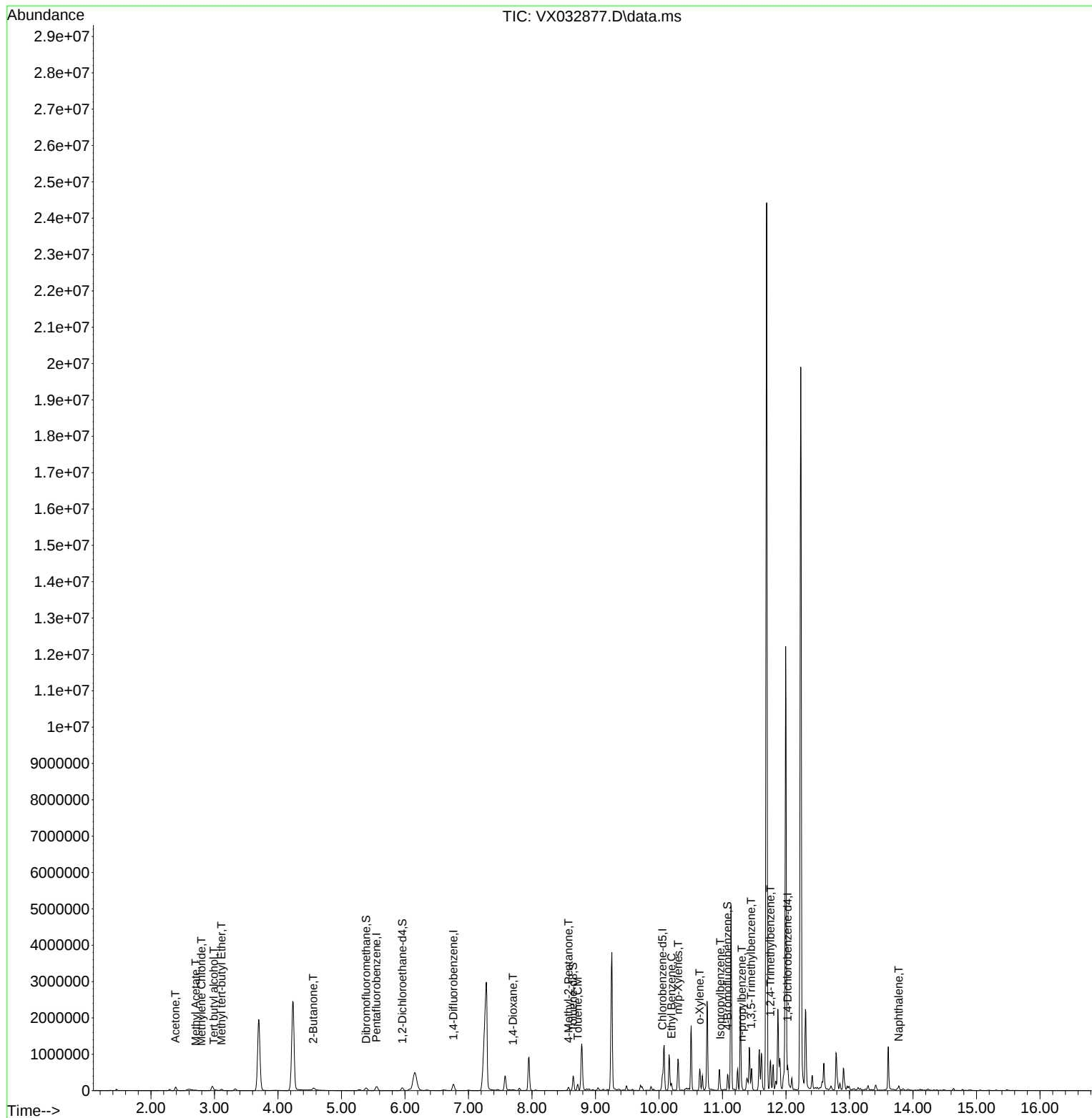
Internal Standards						
1) Pentafluorobenzene	5.550	168	105828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	178678	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	182390	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98575	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	76784	52.218	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.440%			
35) Dibromofluoromethane	5.385	113	62121	48.740	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.480%			
50) Toluene-d8	8.647	98	237727	53.641	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.280%			
62) 4-Bromofluorobenzene	11.079	95	109280	63.125	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 126.240%#			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.989	59	51223	239.334	ug/l	96
16) Acetone	2.386	43	118766	222.224	ug/l	98
18) Methyl Acetate	2.703	43	15928	9.165	ug/l #	89
19) Methyl tert-butyl Ether	3.111	73	40038	10.733	ug/l	99
20) Methylene Chloride	2.794	84	2560	2.089	ug/l	87
25) 2-Butanone	4.556	43	102423	123.699	ug/l	97
49) 1,4-Dioxane	7.702	88	13941m	499.338	ug/l	
51) 4-Methyl-2-Pentanone	8.574	43	55327	30.966	ug/l	96
52) Toluene	8.720	92	61854	18.876	ug/l	99
67) Ethyl Benzene	10.195	91	98639	13.501	ug/l	100
68) m/p-Xylenes	10.299	106	199390	70.282	ug/l	99
69) o-Xylene	10.640	106	118542	42.976	ug/l	99
73) Isopropylbenzene	10.964	105	10346	1.324	ug/l	100
78) n-propylbenzene	11.305	91	34372	3.819	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	68901	10.321	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	339663	51.155	ug/l	99
95) Naphthalene	13.774	128	71515	9.241	ug/l	100

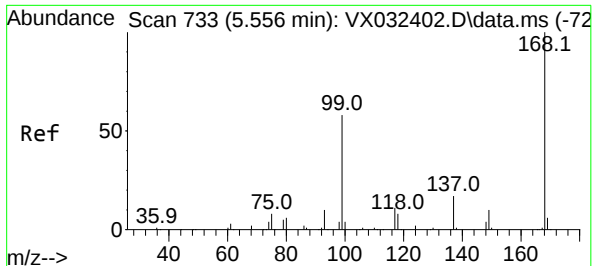
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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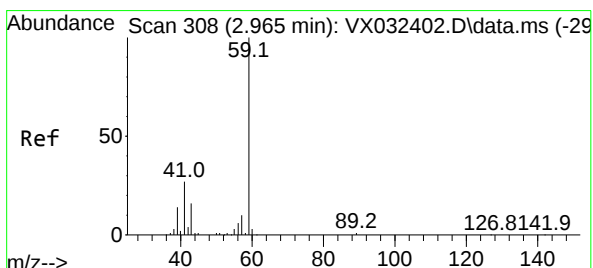
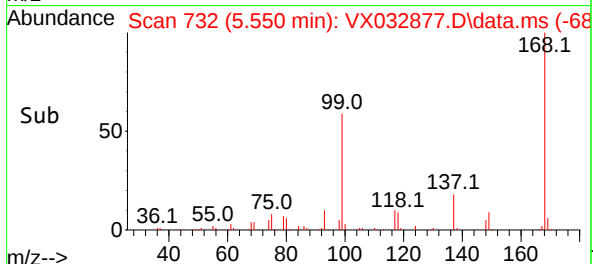
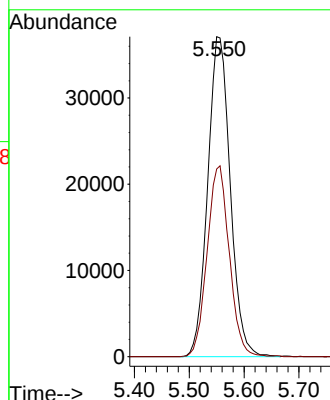
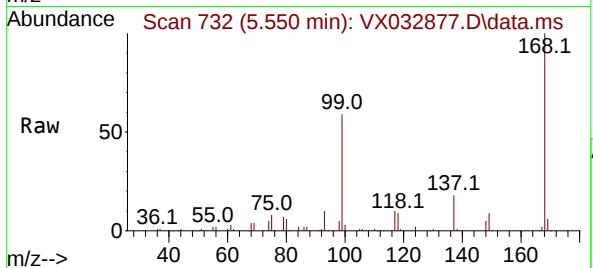




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX032877.D
Acq: 16 Nov 2022 18:43

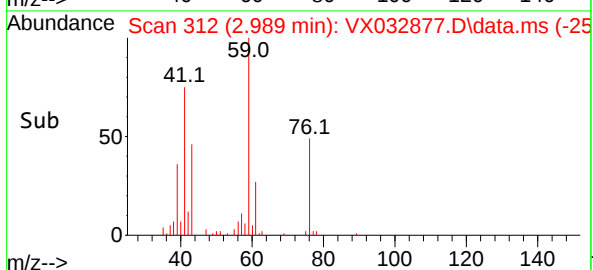
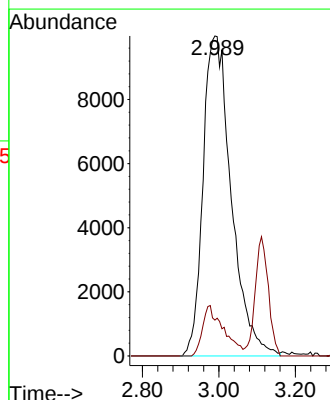
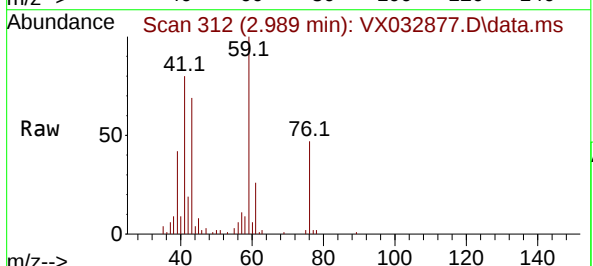
Instrument :
MSVOA_X
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HTMR-SILICA-1115

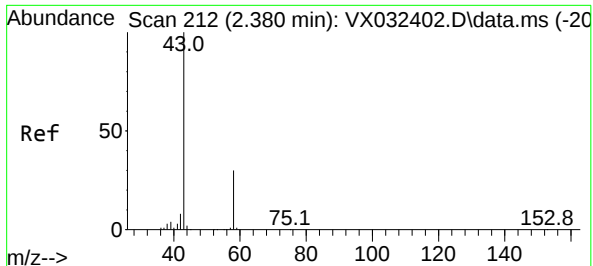
Tgt Ion:168 Resp: 105828
Ion Ratio Lower Upper
168 100
99 58.6 46.1 69.1



#11
Tert butyl alcohol
Concen: 239.334 ug/l
RT: 2.989 min Scan# 312
Delta R.T. 0.025 min
Lab File: VX032877.D
Acq: 16 Nov 2022 18:43

Tgt Ion: 59 Resp: 51223
Ion Ratio Lower Upper
59 100
57 11.8 8.2 12.4

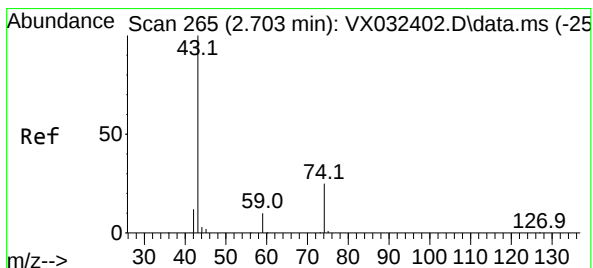
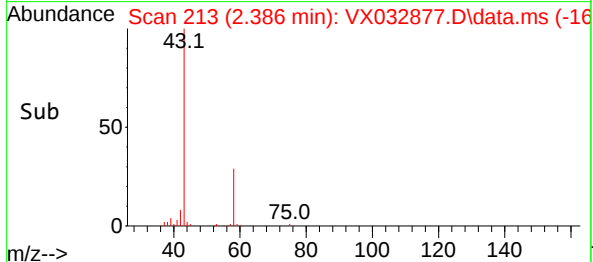
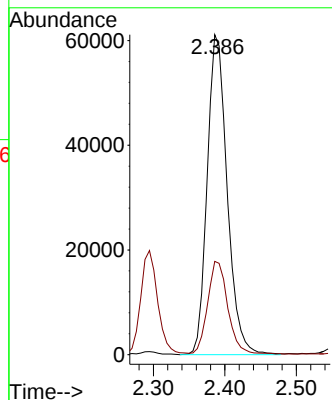
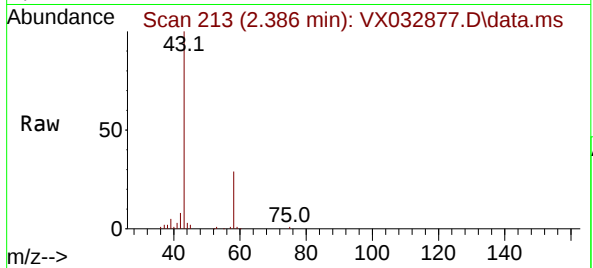




#16
Acetone
Concen: 222.224 ug/l
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX032877.D
Acq: 16 Nov 2022 18:43

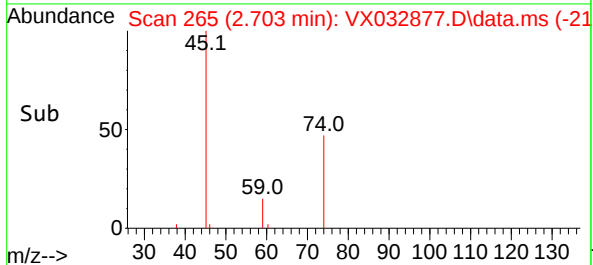
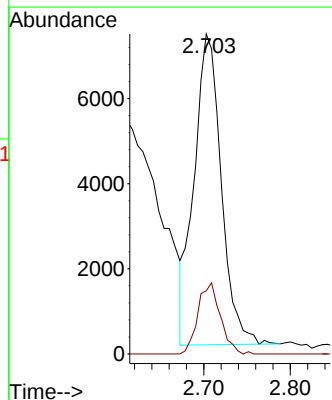
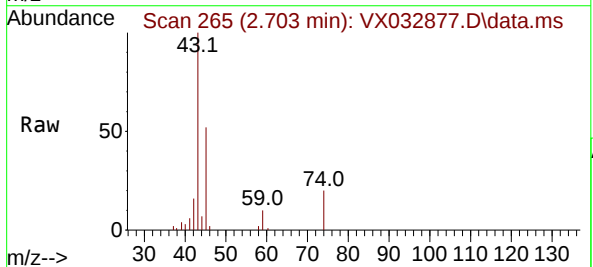
Instrument :
MSVOA_X
ClientSampleId :
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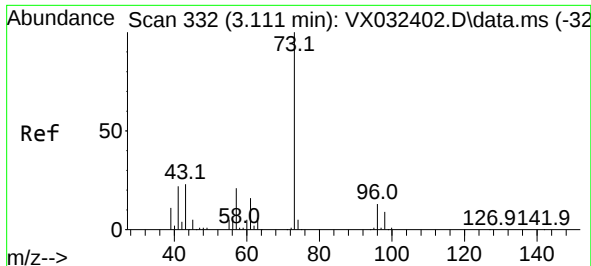
Tgt Ion: 43 Resp: 118766
Ion Ratio Lower Upper
43 100
58 28.9 23.8 35.8



#18
Methyl Acetate
Concen: 9.165 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX032877.D
Acq: 16 Nov 2022 18:43

Tgt Ion: 43 Resp: 15928
Ion Ratio Lower Upper
43 100
74 18.9 19.4 29.0#

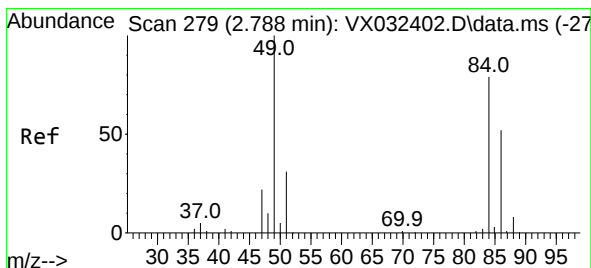
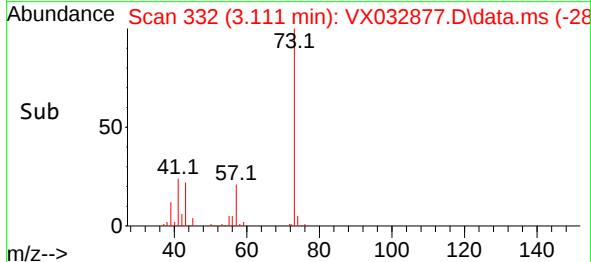
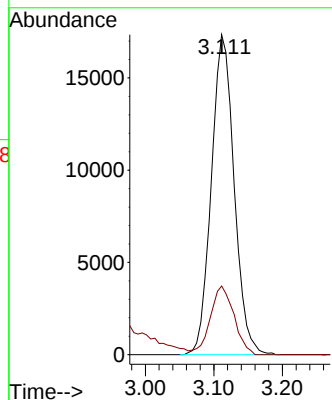
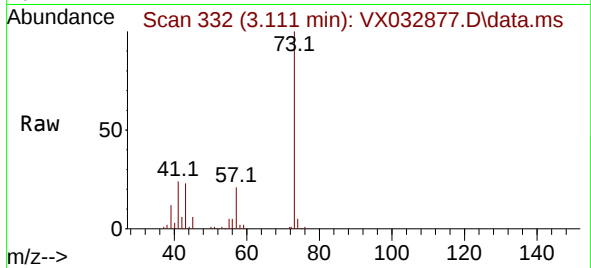




#19
Methyl tert-butyl Ether
Concen: 10.733 ug/l
RT: 3.111 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX032877.D
Acq: 16 Nov 2022 18:43

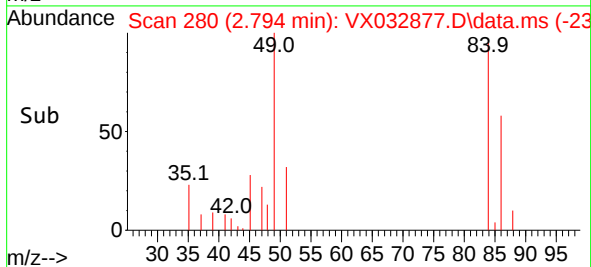
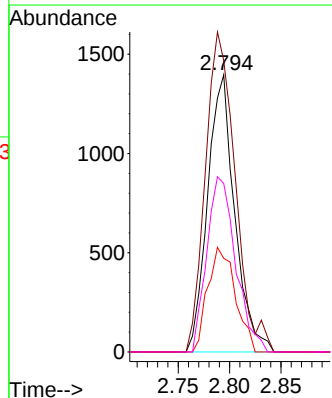
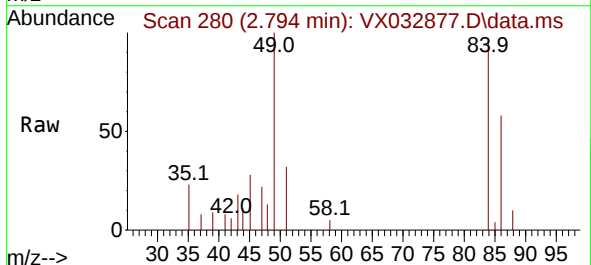
Instrument :
MSVOA_X
ClientSampleId :
HTMR-SILICA-1115

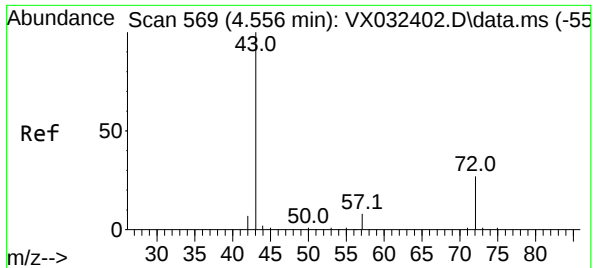
Tgt Ion: 73 Resp: 40038
Ion Ratio Lower Upper
73 100
57 21.4 16.6 25.0



#20
Methylene Chloride
Concen: 2.089 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX032877.D
Acq: 16 Nov 2022 18:43

Tgt Ion: 84 Resp: 2560
Ion Ratio Lower Upper
84 100
49 105.2 101.0 151.6
51 33.8 31.1 46.7
86 60.8 52.3 78.5

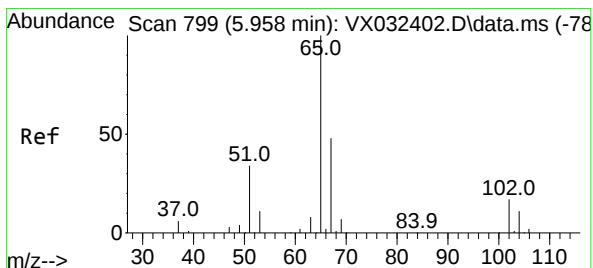
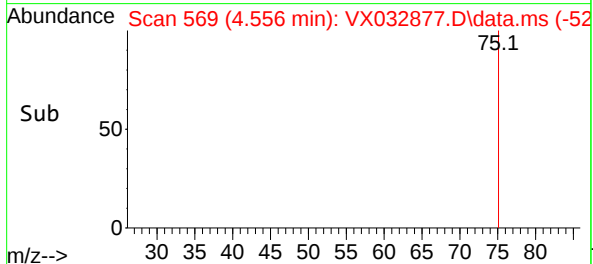
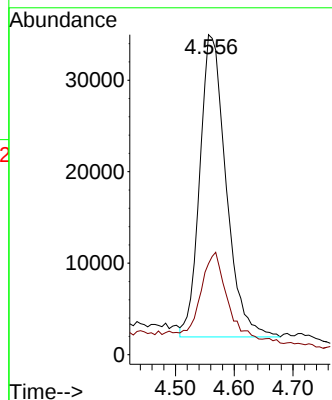
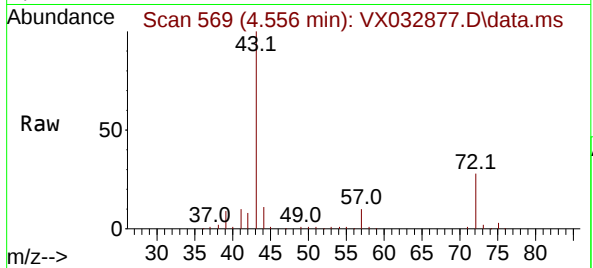




#25
2-Butanone
Concen: 123.699 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.000 min
Lab File: VX032877.D
Acq: 16 Nov 2022 18:43

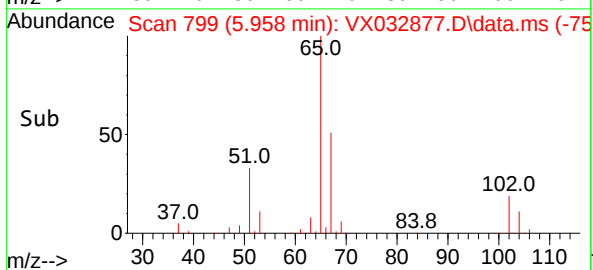
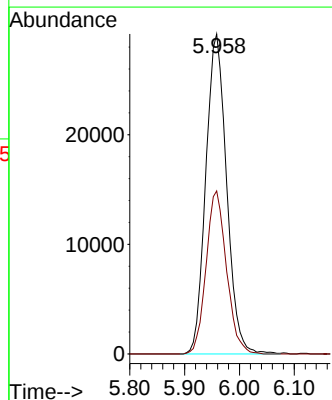
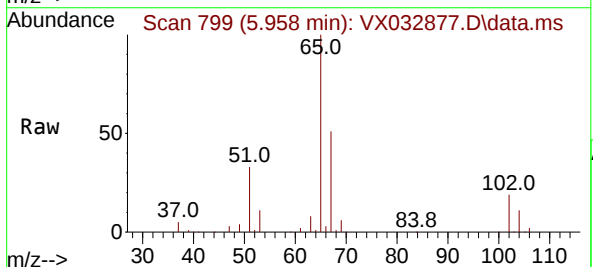
Instrument :
MSVOA_X
ClientSampleId :
HTMR-SILICA-1115

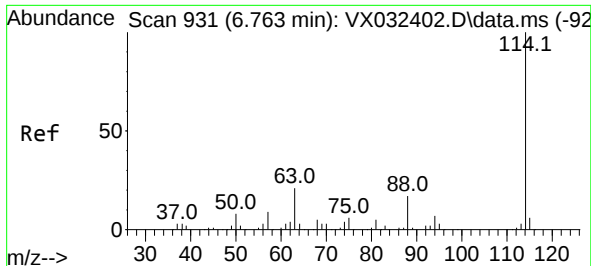
Tgt Ion: 43 Resp: 102423
Ion Ratio Lower Upper
43 100
72 26.3 22.2 33.2



#33
1,2-Dichloroethane-d4
Concen: 52.218 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX032877.D
Acq: 16 Nov 2022 18:43

Tgt Ion: 65 Resp: 76784
Ion Ratio Lower Upper
65 100
67 49.9 0.0 101.8

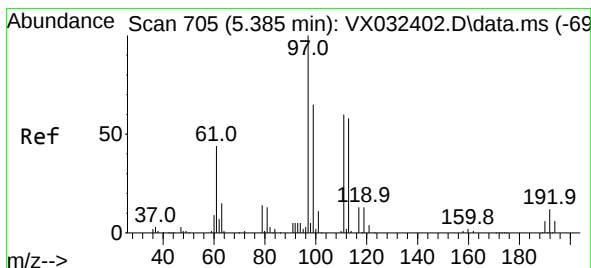
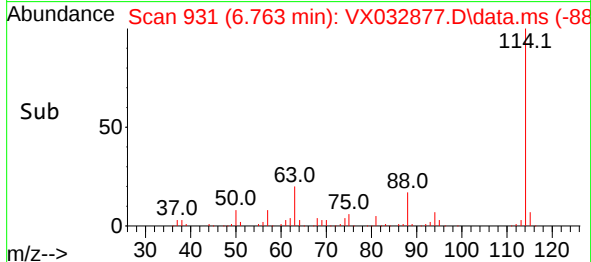
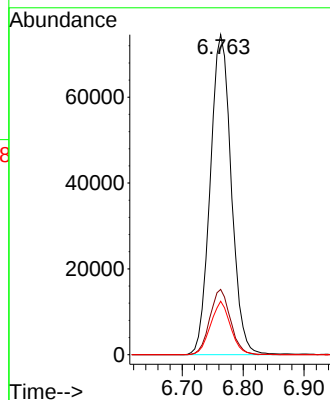
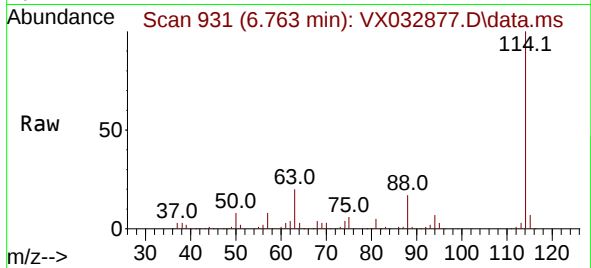




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX032877.D
Acq: 16 Nov 2022 18:43

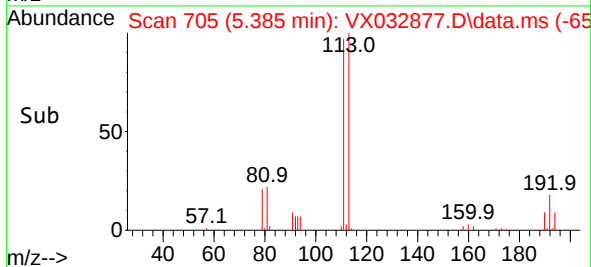
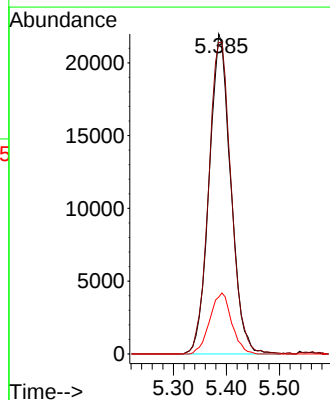
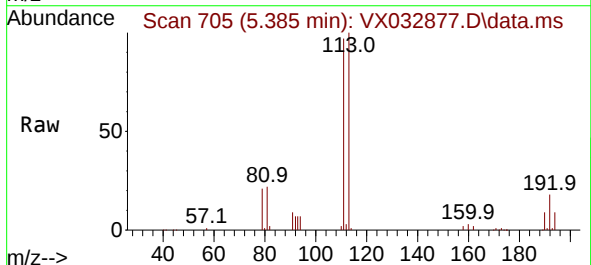
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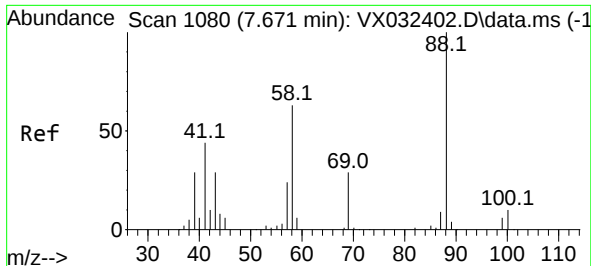
Tgt Ion:114 Resp: 178678
Ion Ratio Lower Upper
114 100
63 20.4 0.0 41.6
88 16.7 0.0 33.4



#35
Dibromofluoromethane
Concen: 48.740 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032877.D
Acq: 16 Nov 2022 18:43

Tgt Ion:113 Resp: 62121
Ion Ratio Lower Upper
113 100
111 101.8 82.4 123.6
192 19.3 15.4 23.2





#49

1,4-Dioxane

Concen: 499.338 ug/l m

RT: 7.702 min Scan# 1

Delta R.T. 0.031 min

Lab File: VX032877.D

Acq: 16 Nov 2022 18:43

Instrument :

MSVOA_X

ClientSampleId :

HTMR-SILICA-1115

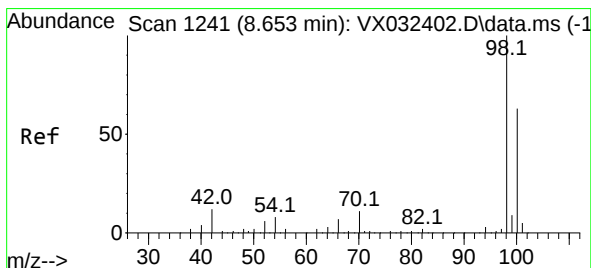
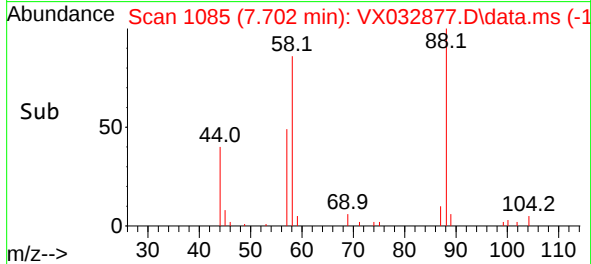
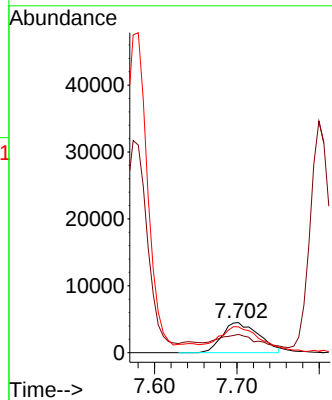
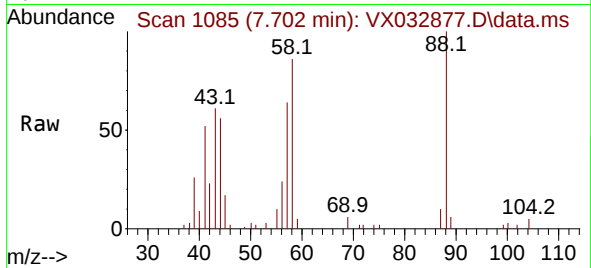
Tgt Ion: 88 Resp: 13941

Ion Ratio Lower Upper

88 100

43 0.0 26.6 39.8#

58 0.0 51.7 77.5#



#50

Toluene-d8

Concen: 53.641 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX032877.D

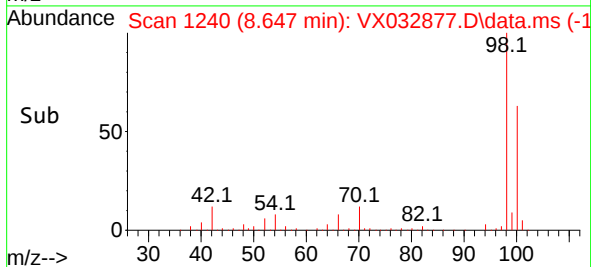
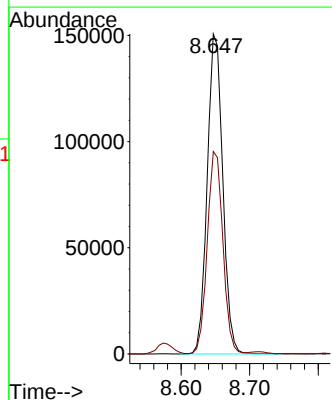
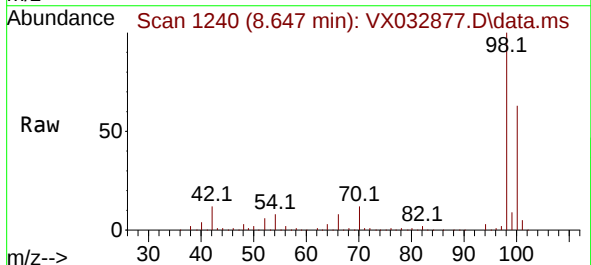
Acq: 16 Nov 2022 18:43

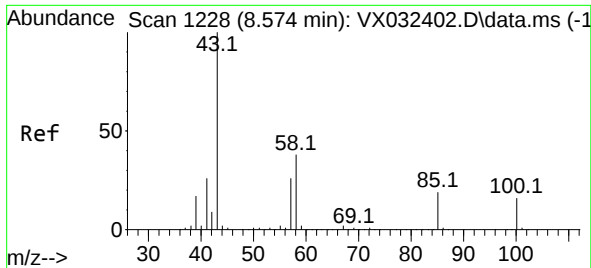
Tgt Ion: 98 Resp: 237727

Ion Ratio Lower Upper

98 100

100 63.3 50.9 76.3

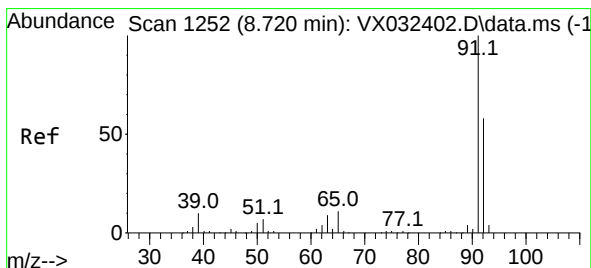
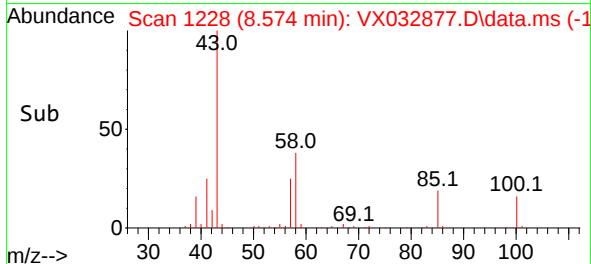
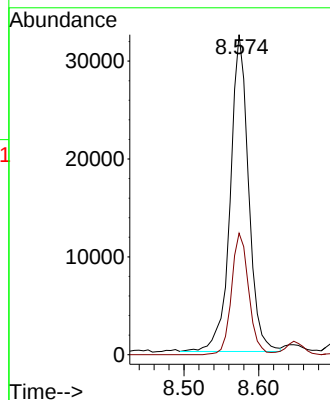
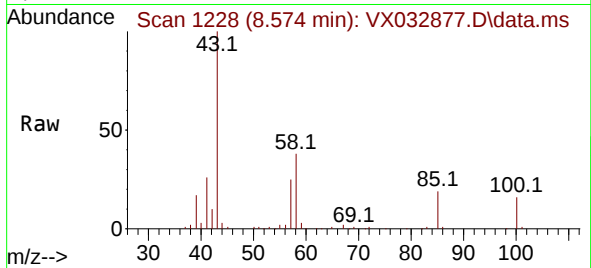




#51
4-Methyl-2-Pentanone
Concen: 30.966 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032877.D
Acq: 16 Nov 2022 18:43

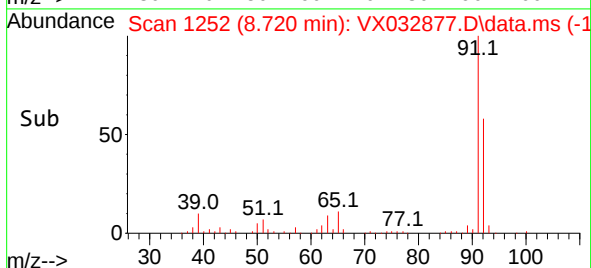
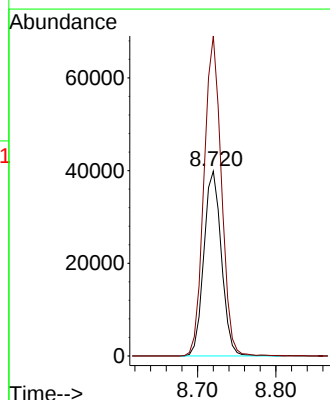
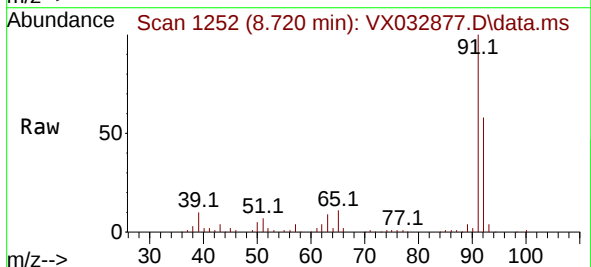
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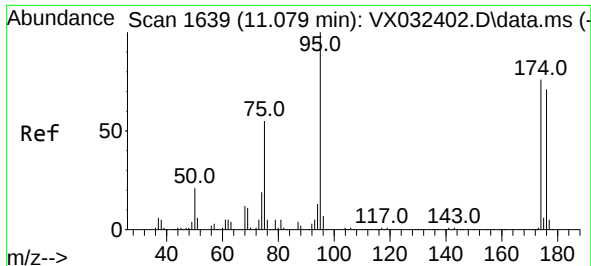
Tgt Ion: 43 Resp: 55327
Ion Ratio Lower Upper
43 100
58 35.9 30.9 46.3



#52
Toluene
Concen: 18.876 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX032877.D
Acq: 16 Nov 2022 18:43

Tgt Ion: 92 Resp: 61854
Ion Ratio Lower Upper
92 100
91 172.0 138.3 207.5





#62

4-Bromofluorobenzene

Concen: 63.125 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX032877.D

Acq: 16 Nov 2022 18:43

Instrument :

MSVOA_X

ClientSampleId :

HTMR-SILICA-1115

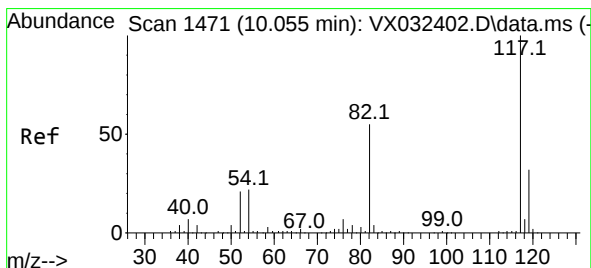
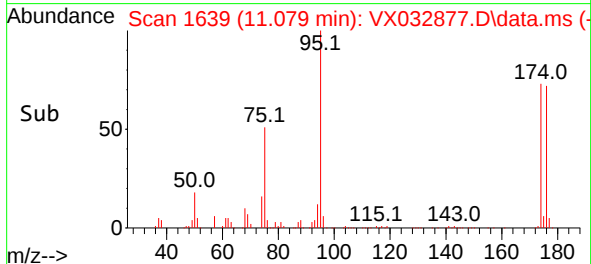
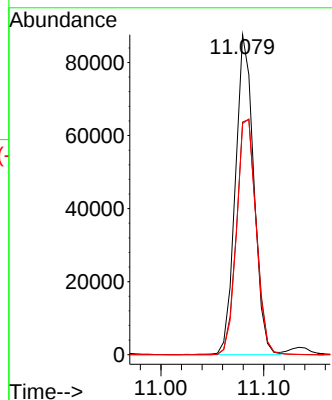
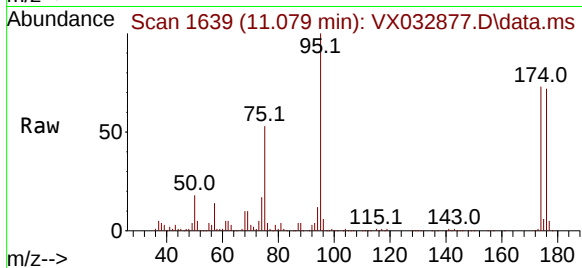
Tgt Ion: 95 Resp: 109280

Ion Ratio Lower Upper

95 100

174 78.8 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: VX032877.D

Acq: 16 Nov 2022 18:43

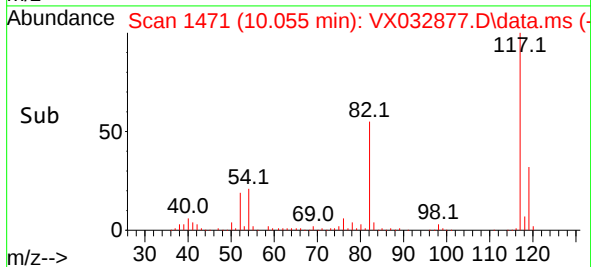
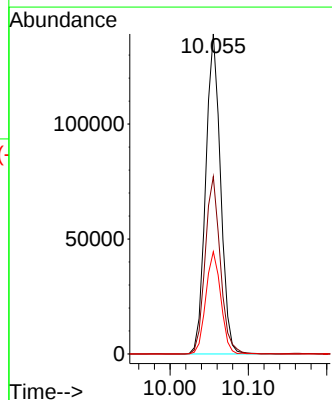
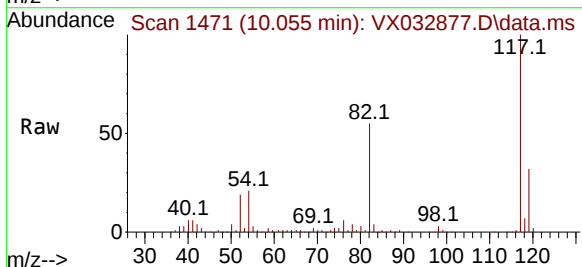
Tgt Ion: 117 Resp: 182390

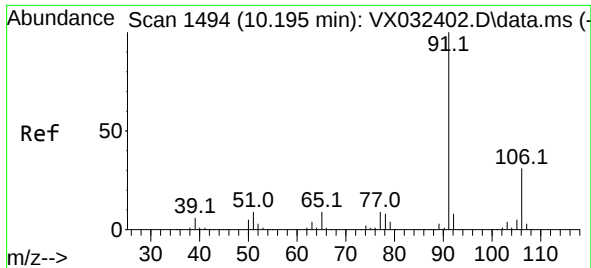
Ion Ratio Lower Upper

117 100

82 55.4 44.3 66.5

119 31.9 25.7 38.5

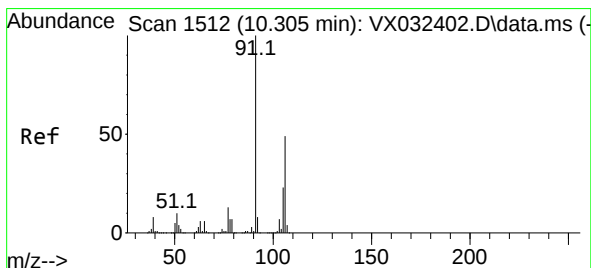
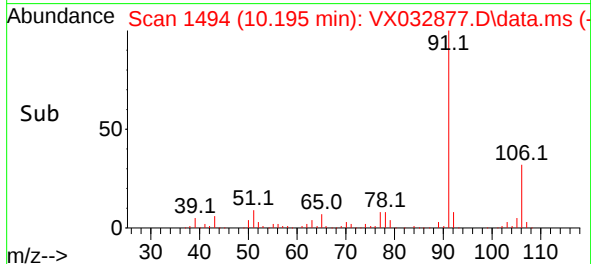
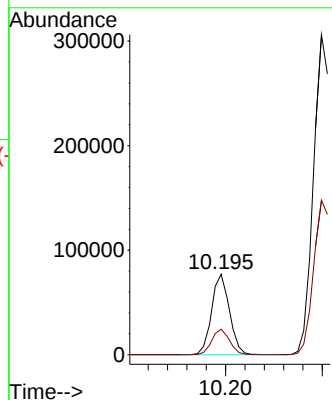
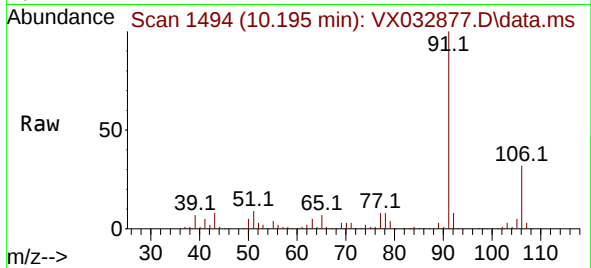




#67
Ethyl Benzene
Concen: 13.501 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX032877.D
Acq: 16 Nov 2022 18:43

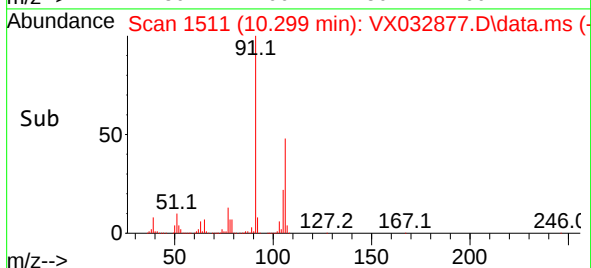
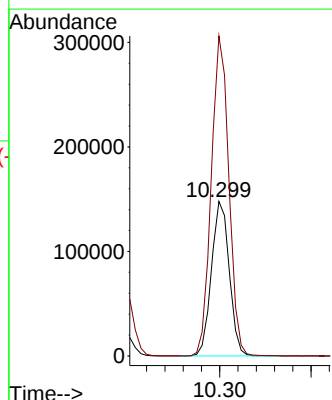
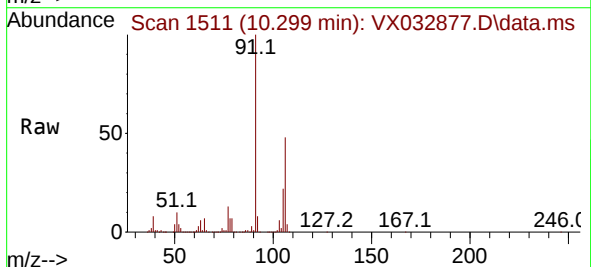
Instrument :
MSVOA_X
ClientSampleId :
HTMR-SILICA-1115

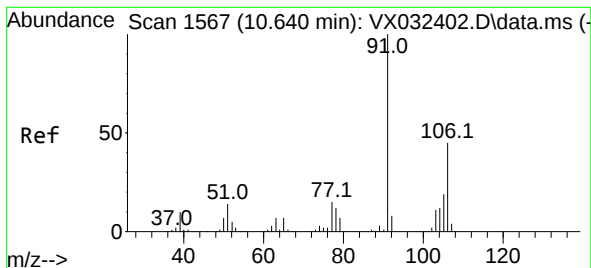
Tgt Ion: 91 Resp: 98639
Ion Ratio Lower Upper
91 100
106 31.6 25.0 37.6



#68
m/p-Xylenes
Concen: 70.282 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX032877.D
Acq: 16 Nov 2022 18:43

Tgt Ion:106 Resp: 199390
Ion Ratio Lower Upper
106 100
91 204.3 164.5 246.7





#69

o-Xylene

Concen: 42.976 ug/l

RT: 10.640 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX032877.D

Acq: 16 Nov 2022 18:43

Instrument :

MSVOA_X

ClientSampleId :

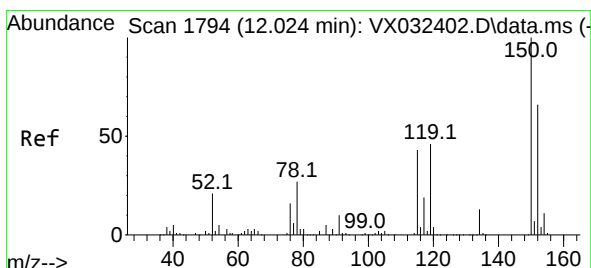
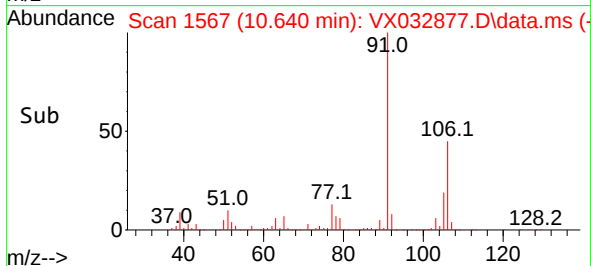
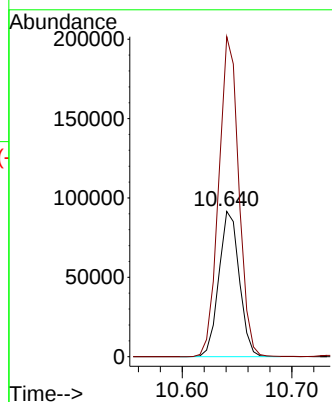
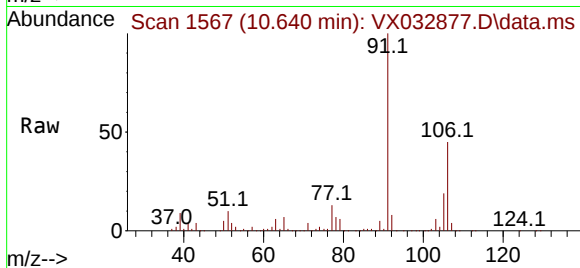
HTMR-SILICA-1115

Tgt Ion:106 Resp: 118542

Ion Ratio Lower Upper

106 100

91 216.6 109.2 327.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX032877.D

Acq: 16 Nov 2022 18:43

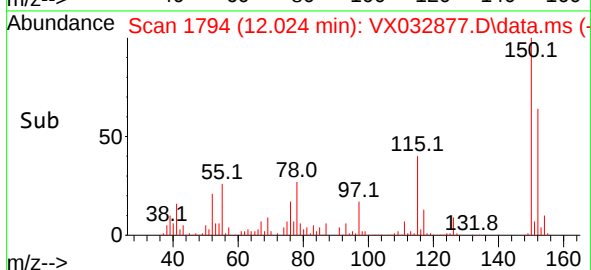
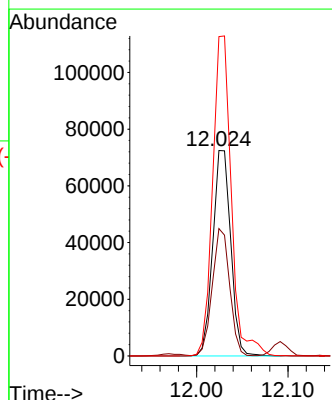
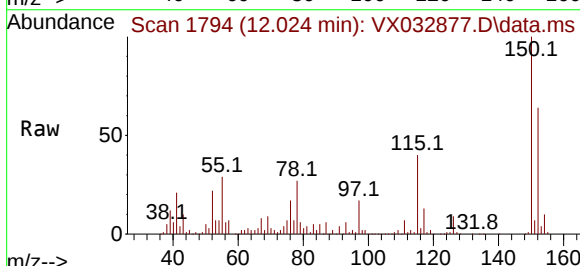
Tgt Ion:152 Resp: 98575

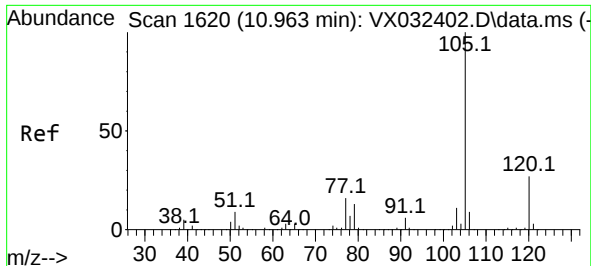
Ion Ratio Lower Upper

152 100

115 60.0 44.0 132.0

150 162.0 0.0 351.8

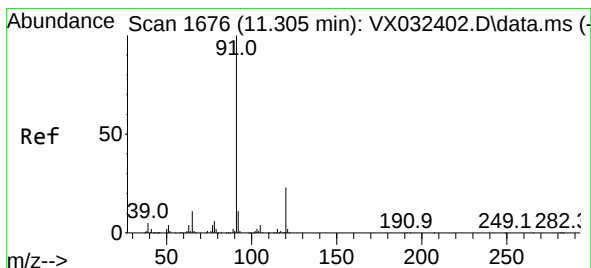
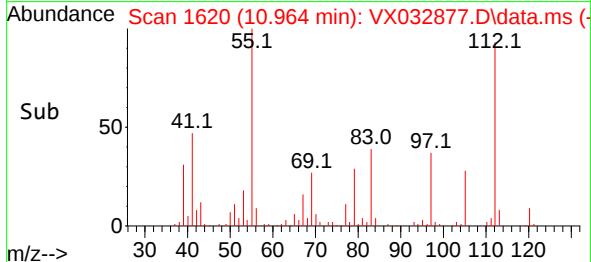
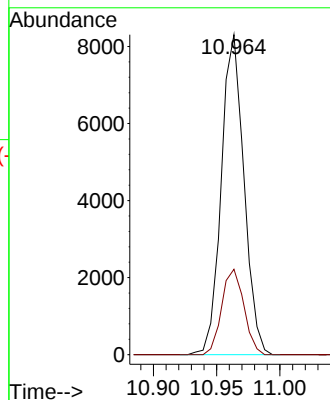
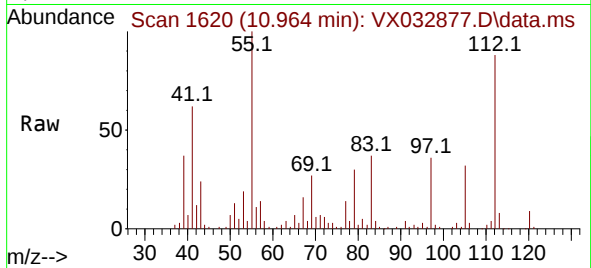




#73
Isopropylbenzene
Concen: 1.324 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX032877.D
Acq: 16 Nov 2022 18:43

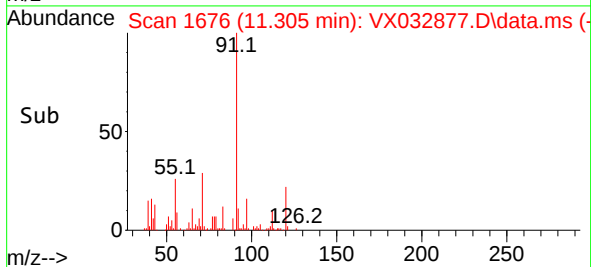
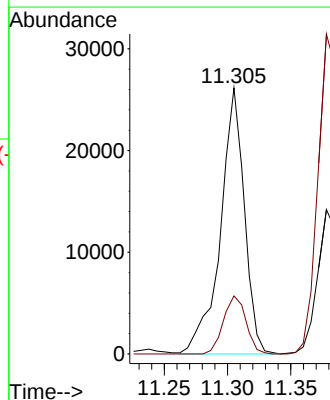
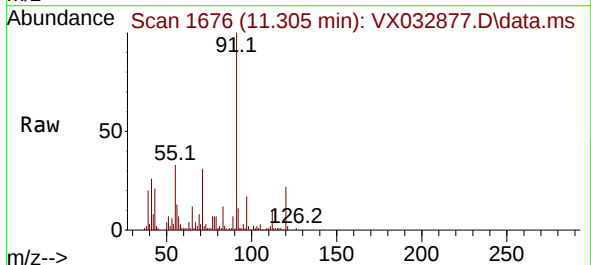
Instrument :
MSVOA_X
ClientSampleId :
HTMR-SILICA-1115

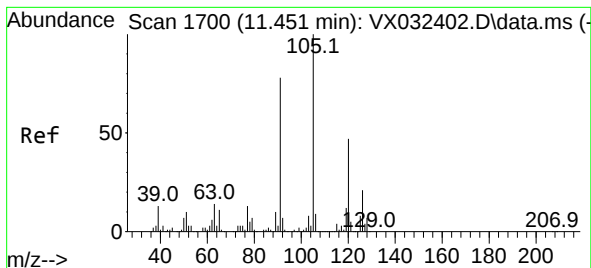
Tgt Ion:105 Resp: 10346
Ion Ratio Lower Upper
105 100
120 26.0 13.1 39.3



#78
n-propylbenzene
Concen: 3.819 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX032877.D
Acq: 16 Nov 2022 18:43

Tgt Ion: 91 Resp: 34372
Ion Ratio Lower Upper
91 100
120 20.6 11.6 34.8





#80

1,3,5-Trimethylbenzene

Concen: 10.321 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX032877.D

Acq: 16 Nov 2022 18:43

Instrument :

MSVOA_X

ClientSampleId :

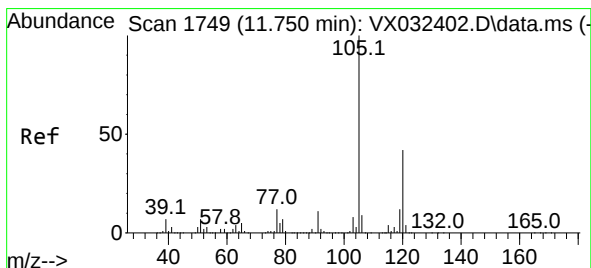
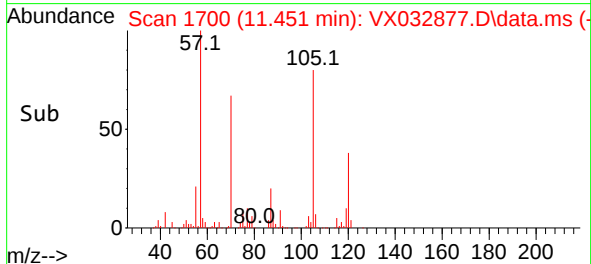
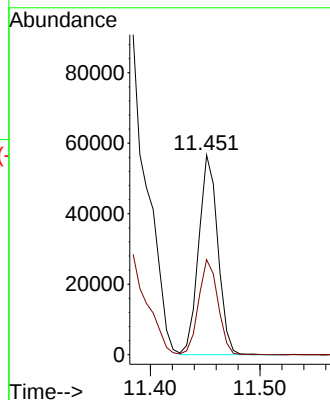
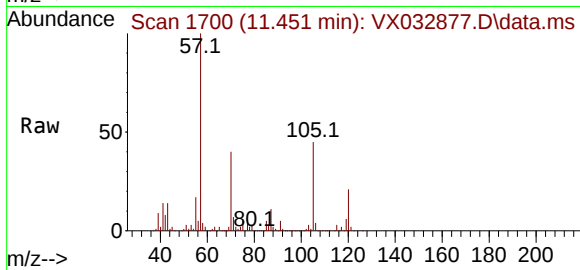
HTMR-SILICA-1115

Tgt Ion:105 Resp: 68901

Ion Ratio Lower Upper

105 100

120 47.8 23.6 71.0



#84

1,2,4-Trimethylbenzene

Concen: 51.155 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VX032877.D

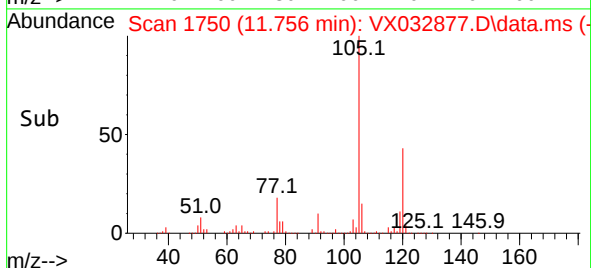
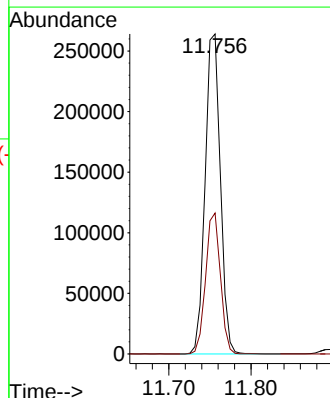
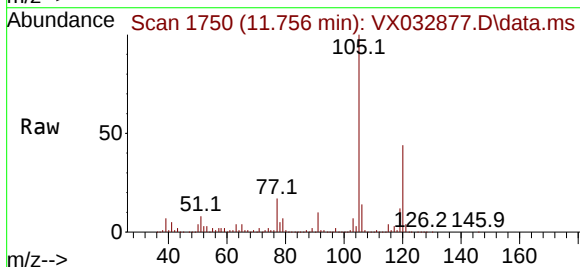
Acq: 16 Nov 2022 18:43

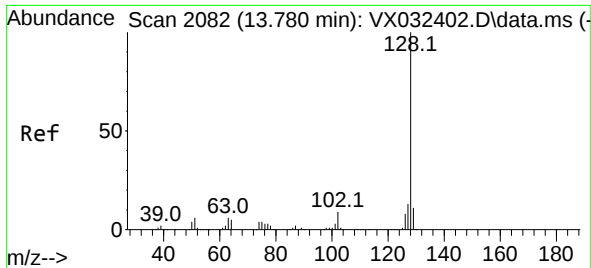
Tgt Ion:105 Resp: 339663

Ion Ratio Lower Upper

105 100

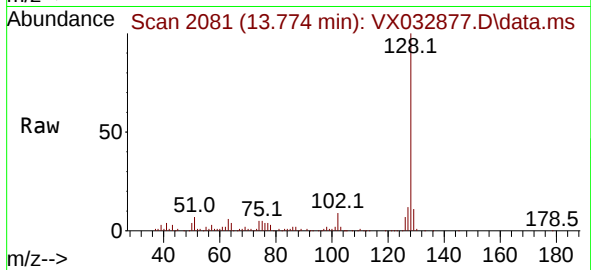
120 42.8 21.9 65.5





#95
Naphthalene
Concen: 9.241 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX032877.D
Acq: 16 Nov 2022 18:43

Instrument :
MSVOA_X
ClientSampleId :
HTMR-SILICA-1115



Tgt Ion:128 Resp: 71515
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 11.3 8.9 13.3

