

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032222\
 Data File : VX027628.D
 Acq On : 22 Mar 2022 20:37
 Operator : JC/MD
 Sample : N2028-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-118D

Quant Time: Mar 23 01:51:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 15:02:59 2022
 Response via : Initial Calibration

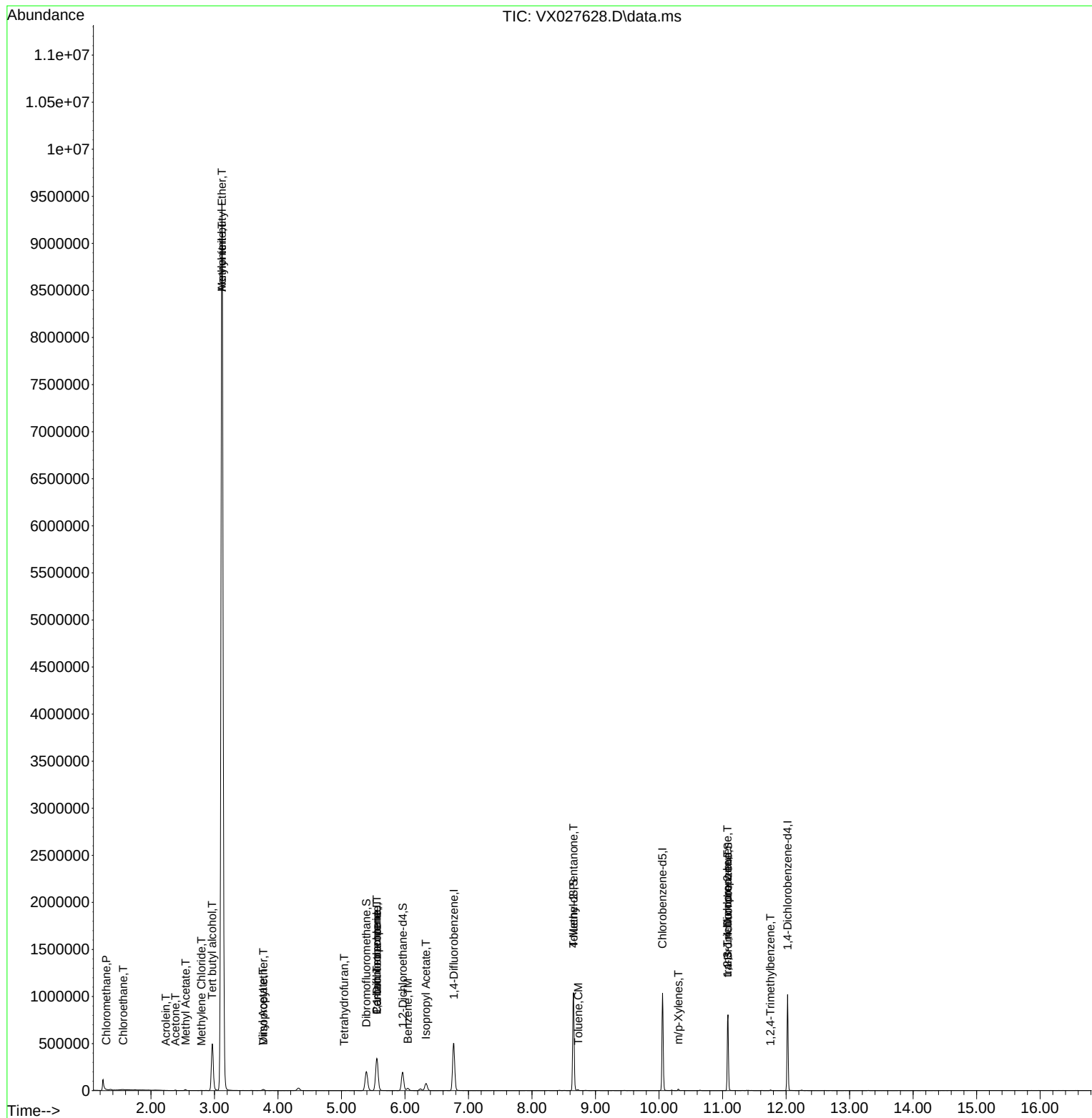
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	336863	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	565964	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	487952	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	213246	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	189974	45.779	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	91.560%
35) Dibromofluoromethane	5.391	113	178957	49.146	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.300%
50) Toluene-d8	8.653	98	650567	47.214	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	94.420%
62) 4-Bromofluorobenzene	11.085	95	219806	43.401	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	86.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	952	0.332	ug/l	97
5) Bromomethane	1.618	94	542	Below Cal	#	60
6) Chloroethane	1.563	64	2415	1.187	ug/l #	53
11) Tert butyl alcohol	2.965	59	572903	724.392	ug/l #	72
13) Acrolein	2.233	56	137	0.223	ug/l #	15
15) Acrylonitrile	3.117	53	111502	62.014	ug/l #	30
16) Acetone	2.386	43	5887	3.480	ug/l	96
18) Methyl Acetate	2.544	43	3354	0.827	ug/l #	46
19) Methyl tert-butyl Ether	3.117	73	10878135	1030.741	ug/l	94
20) Methylene Chloride	2.794	84	983	0.270	ug/l	88
22) Diisopropyl ether	3.770	45	11908	1.246	ug/l #	85
23) Vinyl Acetate	3.764	43	6426	0.773	ug/l #	66
29) Tetrahydrofuran	5.044	42	354	0.217	ug/l #	30
36) 1,1-Dichloropropene	5.556	75	23357	4.694	ug/l #	49
38) Carbon Tetrachloride	5.556	117	33080	5.811	ug/l #	15
40) Benzene	6.044	78	30075	2.107	ug/l	98
43) Isopropyl Acetate	6.330	43	24662	3.090	ug/l #	4
51) 4-Methyl-2-Pentanone	8.653	43	2264	0.444	ug/l #	1
52) Toluene	8.726	92	3797	0.397	ug/l	94
68) m/p-Xylenes	10.305	106	4051	0.599	ug/l	100
76) 1,2,3-Trichloropropane	11.079	75	106098	23.787	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	106098	72.241	ug/l #	15
84) 1,2,4-Trimethylbenzene	11.756	105	3301	0.253	ug/l	98

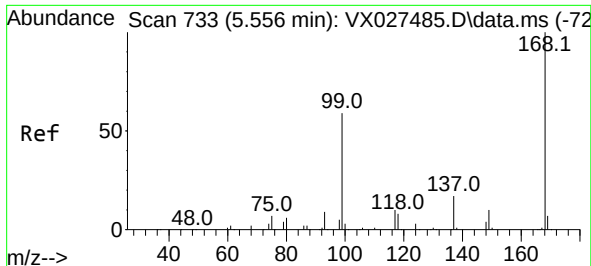
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Mar 17 15:02:59 2022
Response via : Initial Calibration

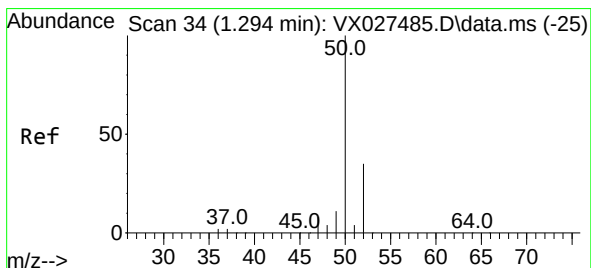
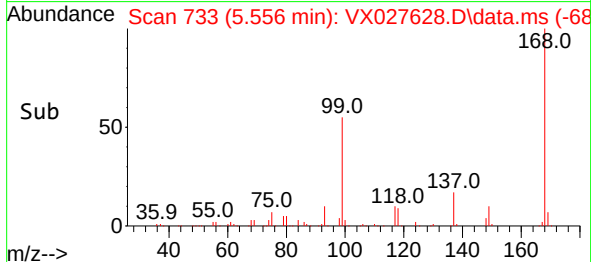
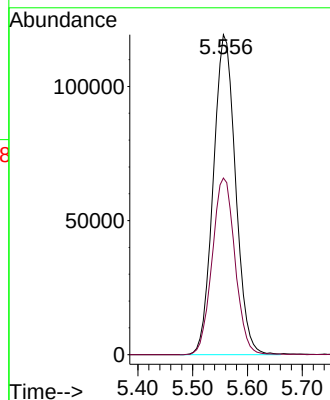
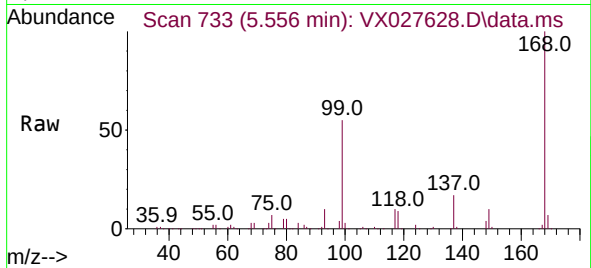




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX027628.D
Acq: 22 Mar 2022 20:37

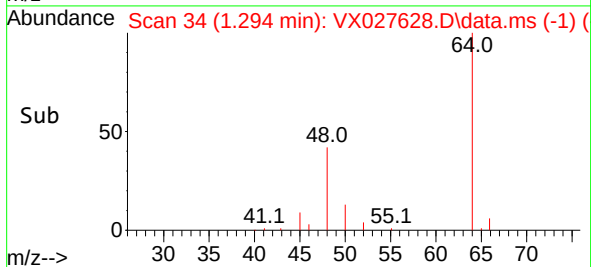
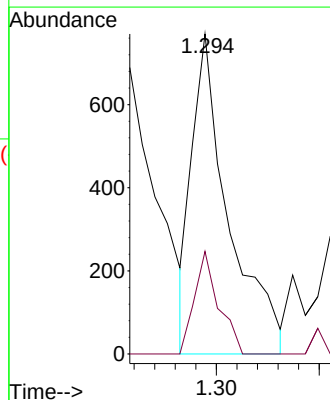
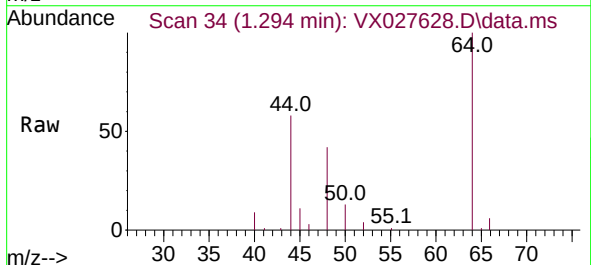
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MSVOA_X
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MW-118D

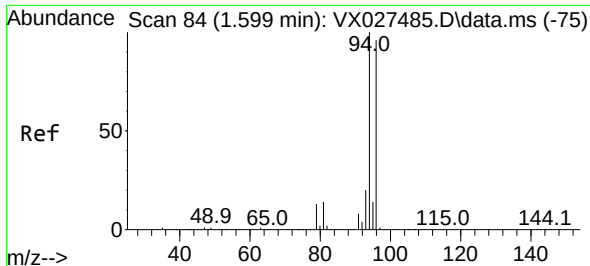
Tgt Ion:168 Resp: 336863
Ion Ratio Lower Upper
168 100
99 55.2 41.7 62.5



#3
Chloromethane
Concen: 0.332 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX027628.D
Acq: 22 Mar 2022 20:37

Tgt Ion: 50 Resp: 952
Ion Ratio Lower Upper
50 100
52 34.7 26.4 39.6

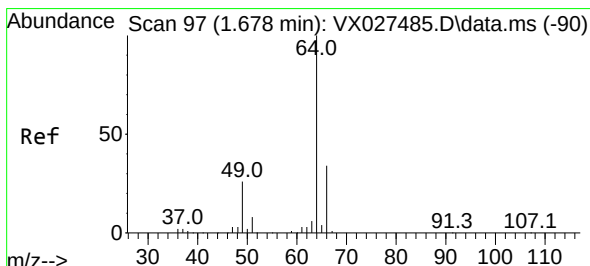
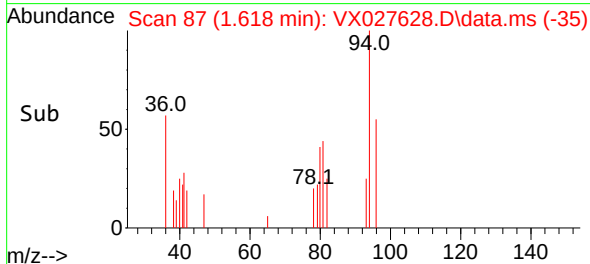
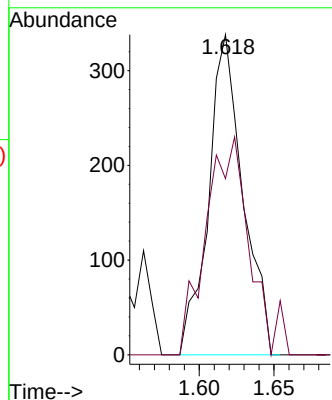
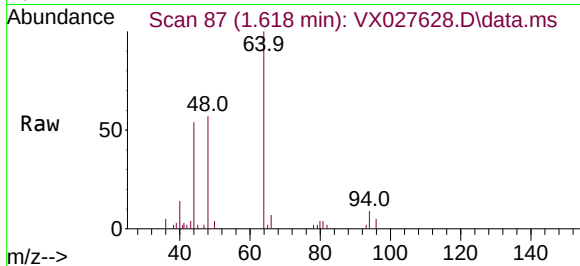




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX027628.D
Acq: 22 Mar 2022 20:37

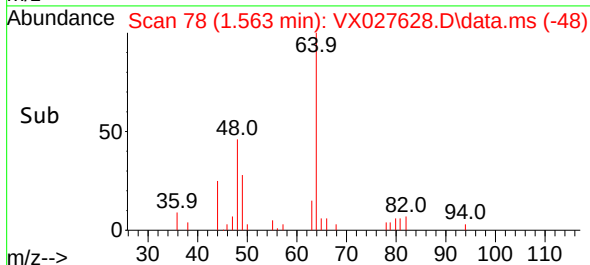
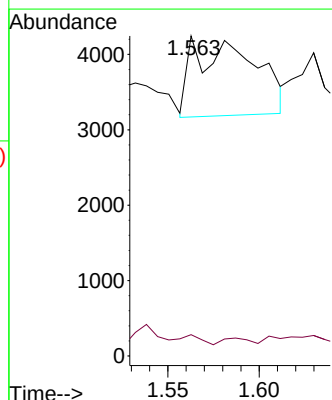
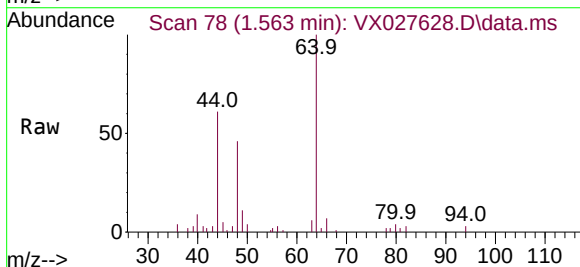
Instrument :
MSVOA_X
ClientSampleId :
MW-118D

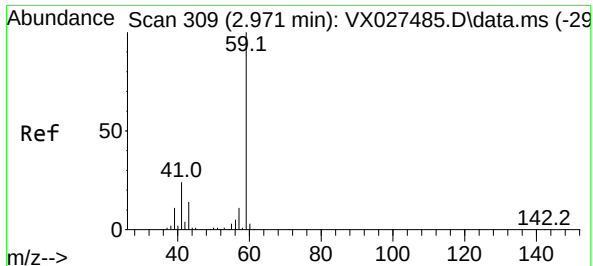
Tgt Ion: 94 Resp: 542
Ion Ratio Lower Upper
94 100
96 55.0 75.3 112.9#



#6
Chloroethane
Concen: 1.187 ug/l
RT: 1.563 min Scan# 78
Delta R.T. -0.116 min
Lab File: VX027628.D
Acq: 22 Mar 2022 20:37

Tgt Ion: 64 Resp: 2415
Ion Ratio Lower Upper
64 100
66 5.4 25.3 37.9#





#11

Tert butyl alcohol

Concen: 724.392 ug/l

RT: 2.965 min Scan# 309

Delta R.T. -0.006 min

Lab File: VX027628.D

Acq: 22 Mar 2022 20:37

Instrument :

MSVOA_X

ClientSampleId :

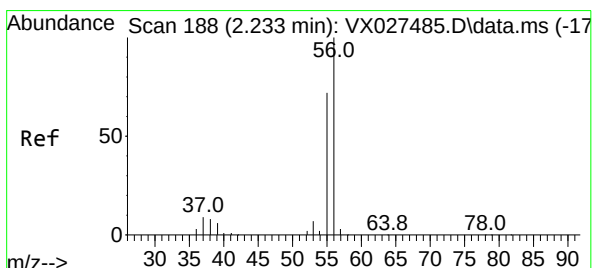
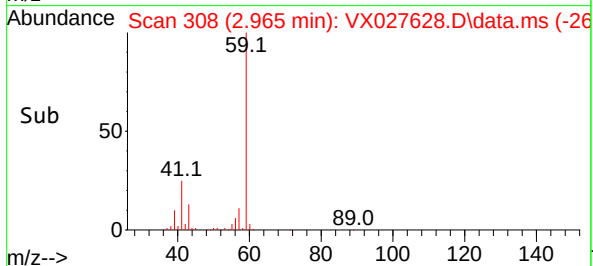
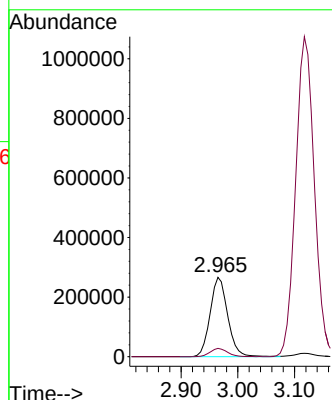
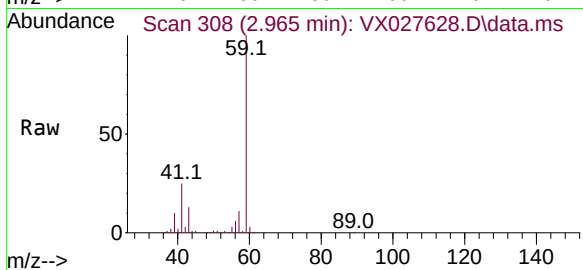
MW-118D

Tgt Ion: 59 Resp: 572903

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: 0.223 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX027628.D

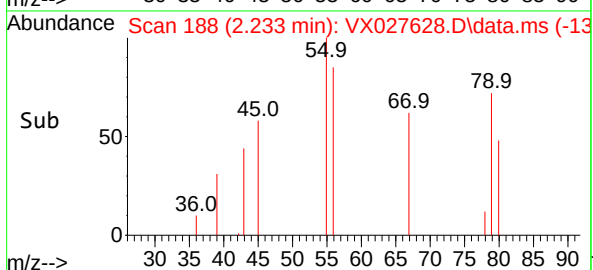
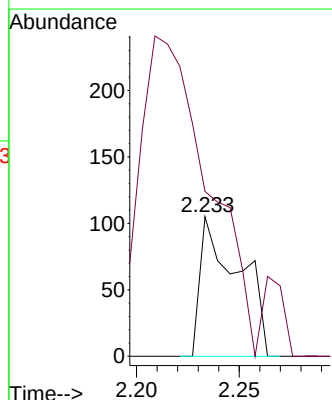
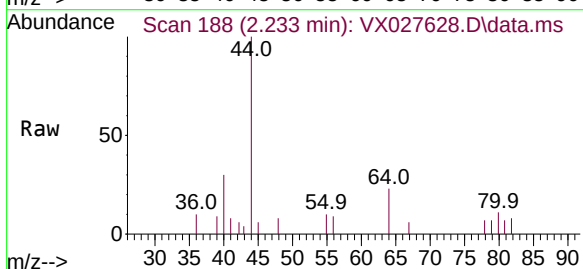
Acq: 22 Mar 2022 20:37

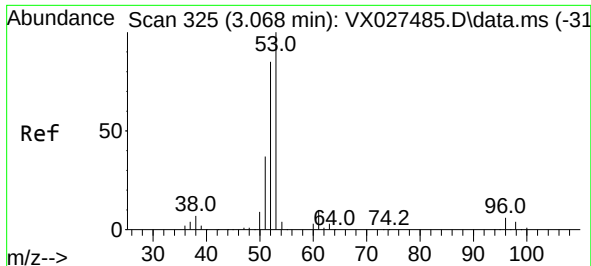
Tgt Ion: 56 Resp: 137

Ion Ratio Lower Upper

56 100

55 0.0 55.0 82.6#





#15

Acrylonitrile

Concen: 62.014 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.049 min

Lab File: VX027628.D

Acq: 22 Mar 2022 20:37

Instrument :

MSVOA_X

ClientSampleId :

MW-118D

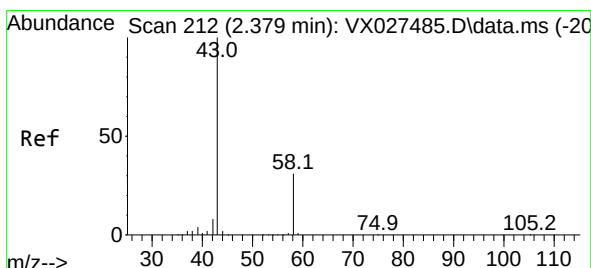
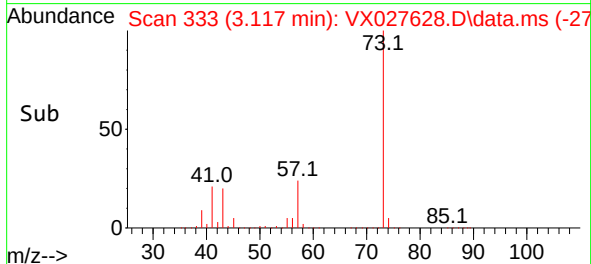
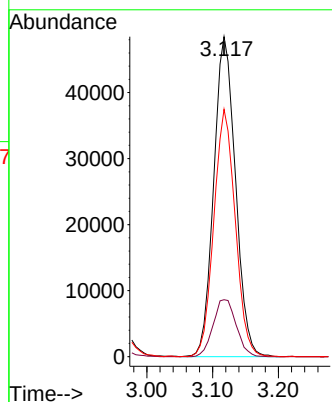
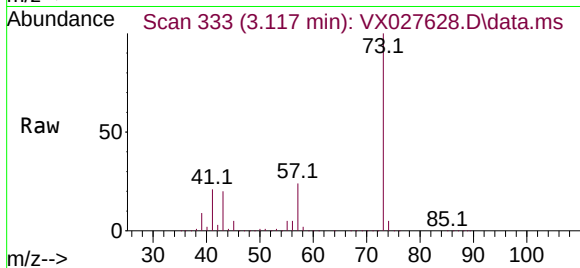
Tgt Ion: 53 Resp: 111502

Ion Ratio Lower Upper

53 100

52 19.0 65.7 98.5#

51 76.1 28.4 42.6#



#16

Acetone

Concen: 3.480 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX027628.D

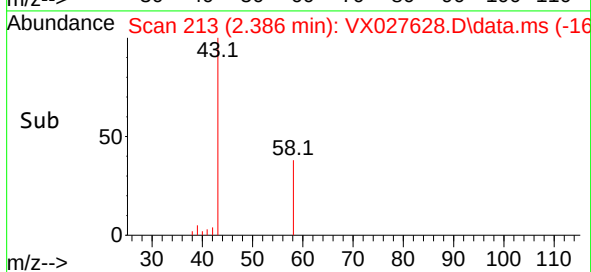
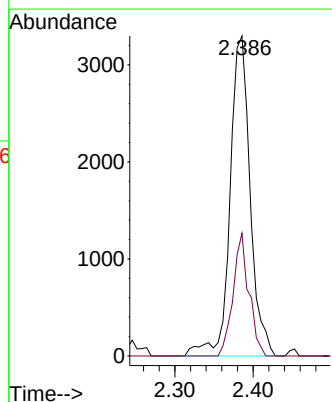
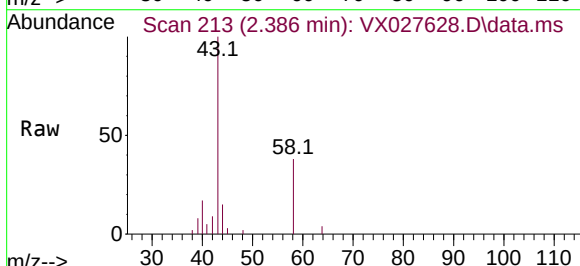
Acq: 22 Mar 2022 20:37

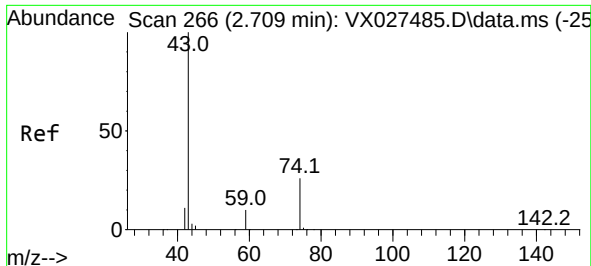
Tgt Ion: 43 Resp: 5887

Ion Ratio Lower Upper

43 100

58 38.4 28.8 43.2

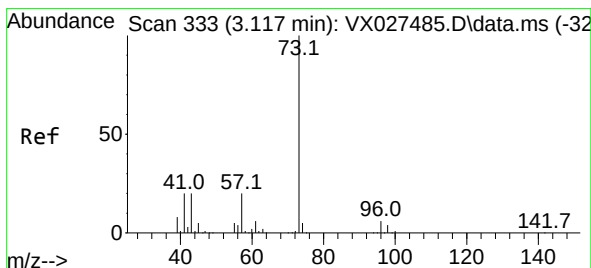
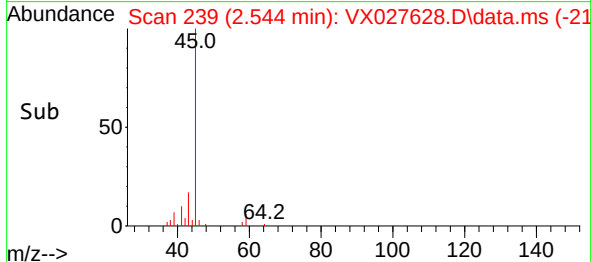
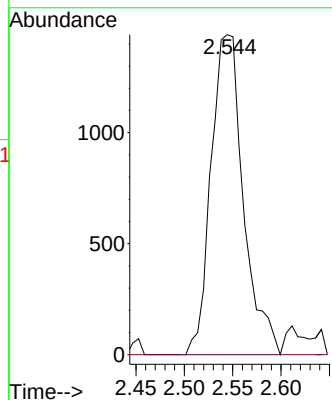
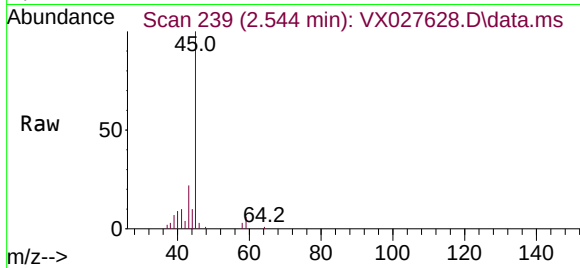




#18
Methyl Acetate
Concen: 0.827 ug/l
RT: 2.544 min Scan# 21
Delta R.T. -0.164 min
Lab File: VX027628.D
Acq: 22 Mar 2022 20:37

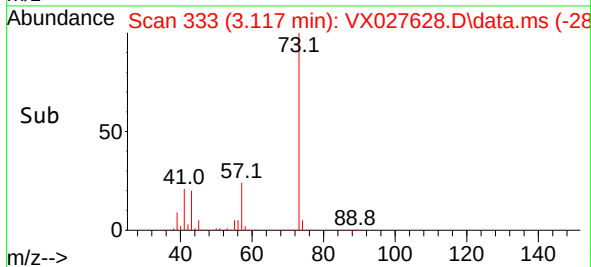
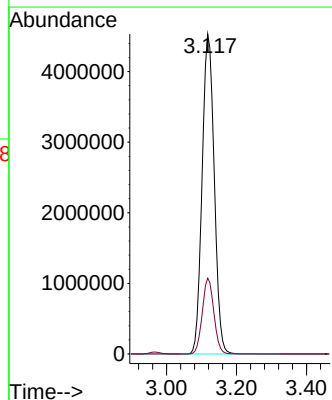
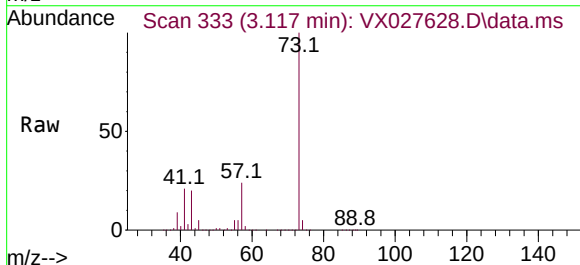
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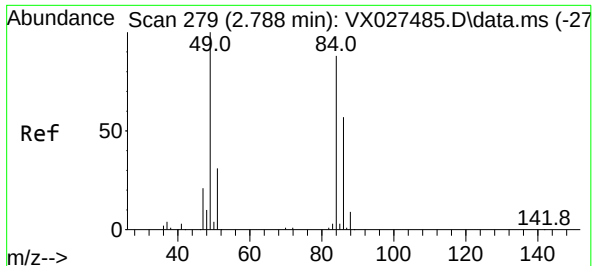
Tgt Ion: 43 Resp: 3354
Ion Ratio Lower Upper
43 100
74 0.0 22.8 34.2#



#19
Methyl tert-butyl Ether
Concen: 1030.741 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX027628.D
Acq: 22 Mar 2022 20:37

Tgt Ion: 73 Resp: 10878135
Ion Ratio Lower Upper
73 100
57 23.7 16.8 25.2

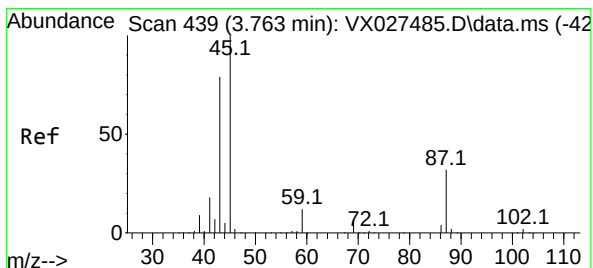
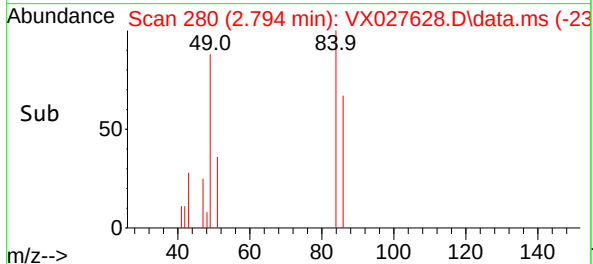
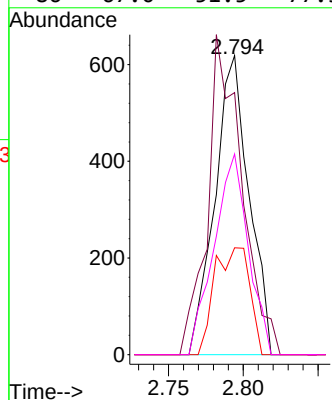
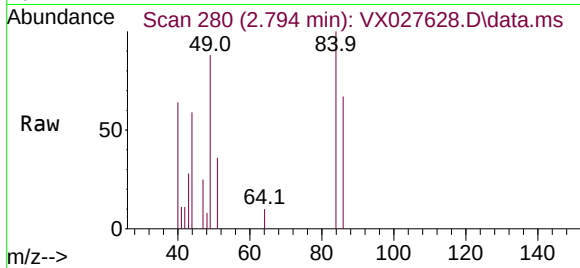




#20
Methylene Chloride
Concen: 0.270 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX027628.D
Acq: 22 Mar 2022 20:37

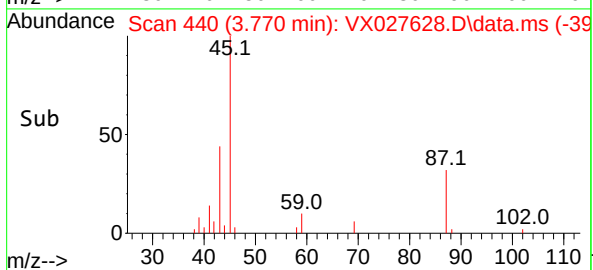
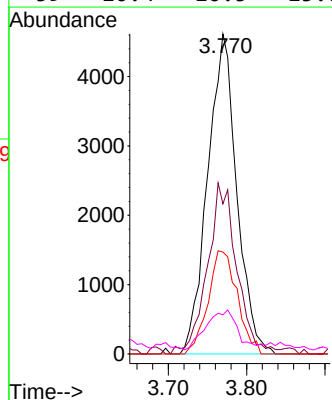
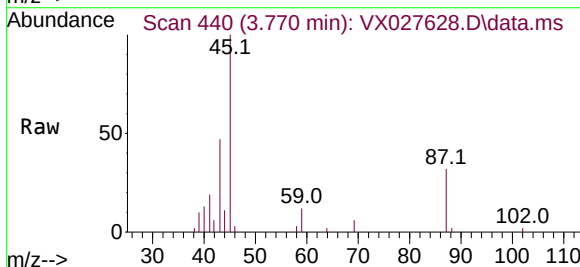
Instrument :
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ClientSampleId :
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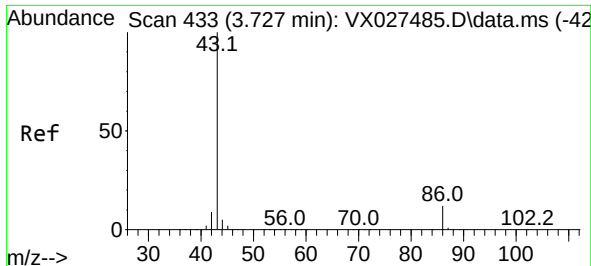
Tgt Ion: 84	Resp: 983
Ion Ratio	Lower Upper
84 100	
49 87.6	85.5 128.3
51 35.7	26.6 39.8
86 67.0	51.5 77.3



#22
Diisopropyl ether
Concen: 1.246 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.006 min
Lab File: VX027628.D
Acq: 22 Mar 2022 20:37

Tgt	Ion: 45	Resp:	11908
Ion	Ratio	Lower	Upper
45	100		
43	45.6	50.8	76.2#
87	31.9	26.6	39.8
59	10.4	10.5	15.7#

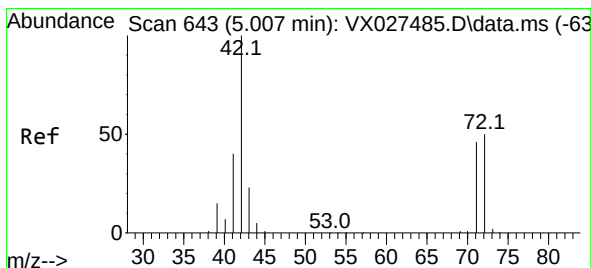
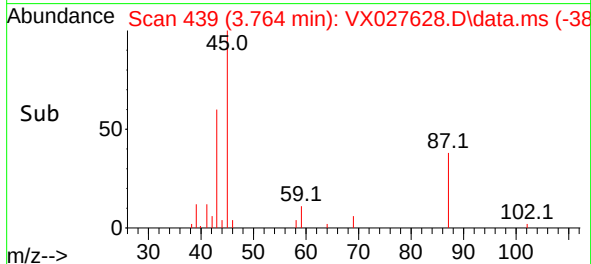
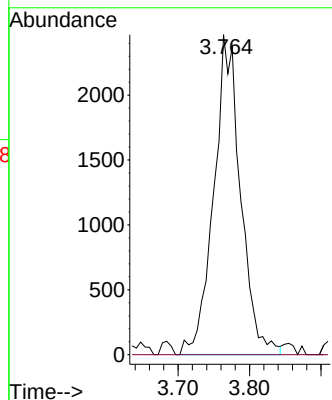
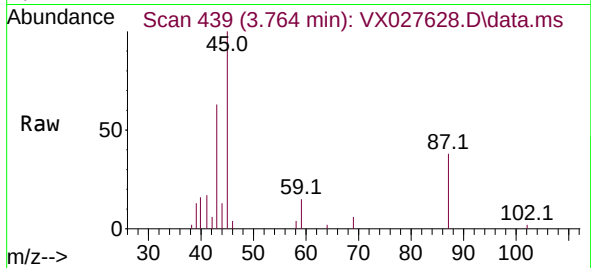




#23
 Vinyl Acetate
 Concen: 0.773 ug/l
 RT: 3.764 min Scan# 41
 Delta R.T. 0.037 min
 Lab File: VX027628.D
 Acq: 22 Mar 2022 20:37

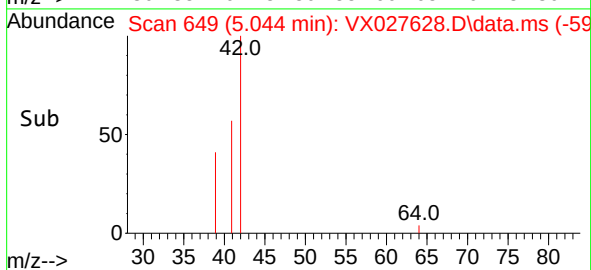
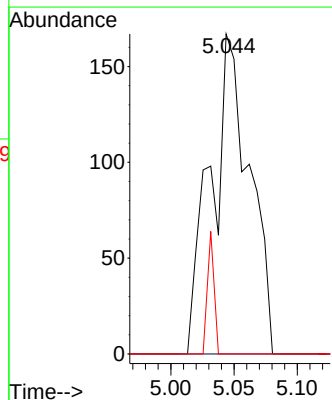
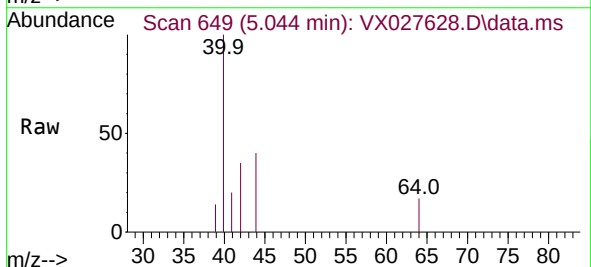
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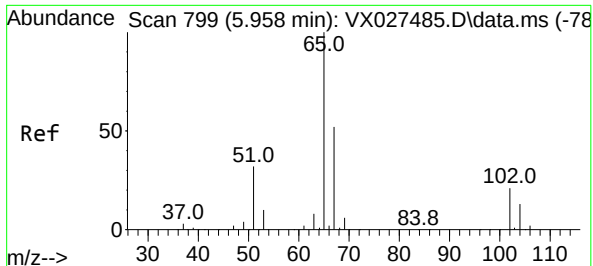
Tgt Ion: 43 Resp: 6426
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.8 16.2#



#29
 Tetrahydrofuran
 Concen: 0.217 ug/l
 RT: 5.044 min Scan# 649
 Delta R.T. 0.037 min
 Lab File: VX027628.D
 Acq: 22 Mar 2022 20:37

Tgt Ion: 42 Resp: 354
 Ion Ratio Lower Upper
 42 100
 72 0.0 44.1 66.1#
 71 6.5 40.5 60.7#





#33

1,2-Dichloroethane-d4

Concen: 45.779 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX027628.D

Acq: 22 Mar 2022 20:37

Instrument :

MSVOA_X

ClientSampleId :

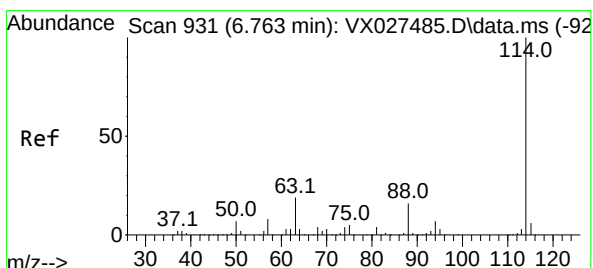
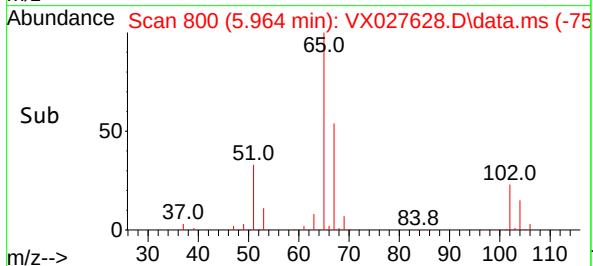
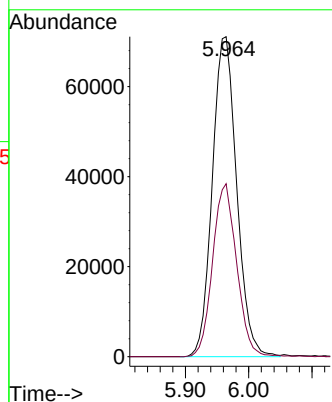
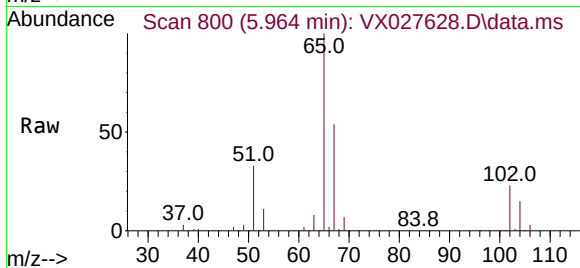
MW-118D

Tgt Ion: 65 Resp: 189974

Ion Ratio Lower Upper

65 100

67 53.3 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX027628.D

Acq: 22 Mar 2022 20:37

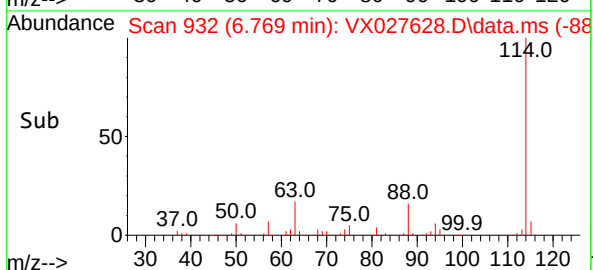
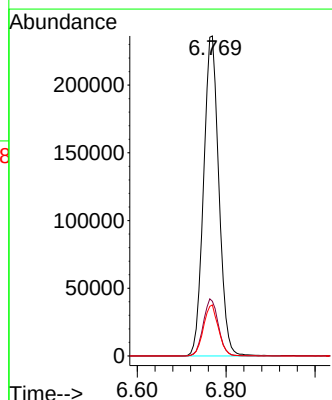
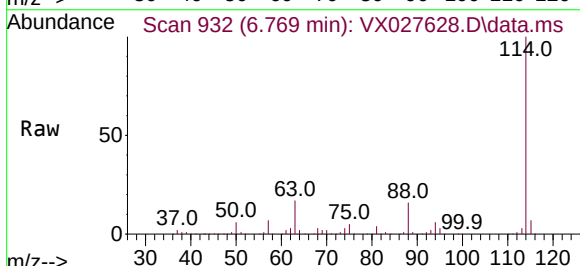
Tgt Ion: 114 Resp: 565964

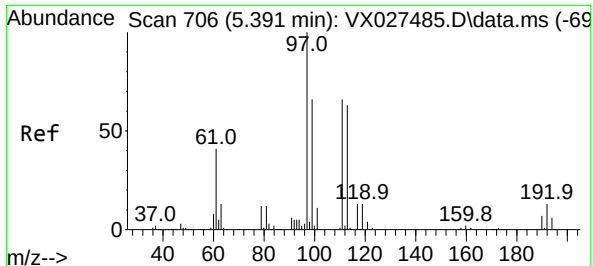
Ion Ratio Lower Upper

114 100

63 17.1 0.0 36.8

88 16.0 0.0 32.4





#35

Dibromofluoromethane

Concen: 49.146 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX027628.D

Acq: 22 Mar 2022 20:37

Instrument :

MSVOA_X

ClientSampleId :

MW-118D

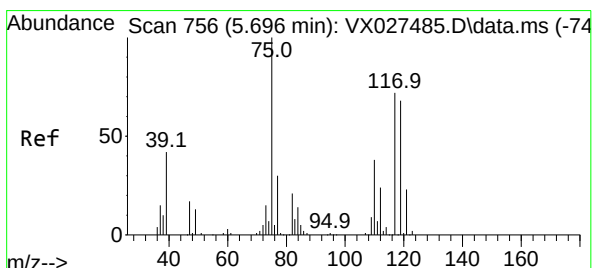
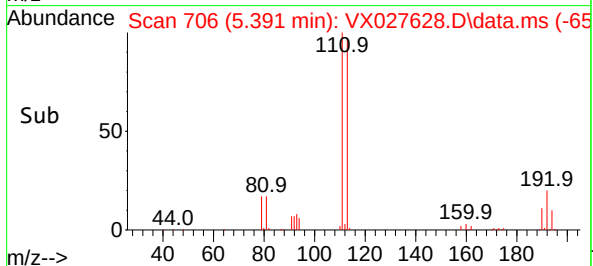
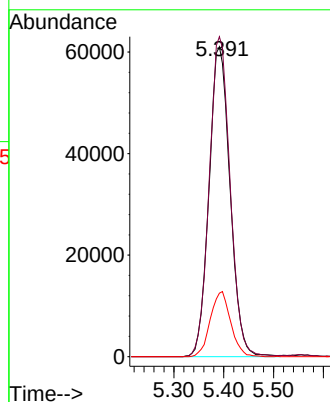
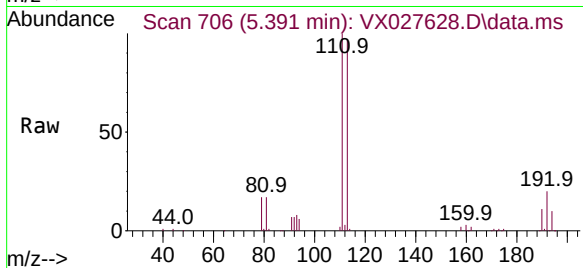
Tgt Ion:113 Resp: 178957

Ion Ratio Lower Upper

113 100

111 102.4 82.8 124.2

192 20.4 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.694 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX027628.D

Acq: 22 Mar 2022 20:37

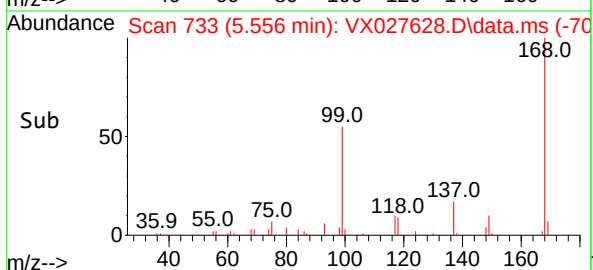
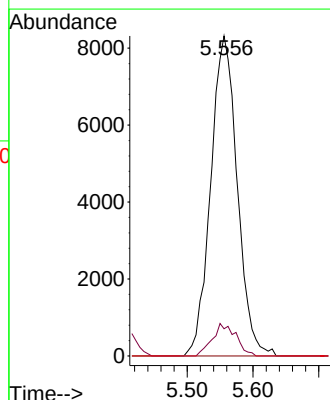
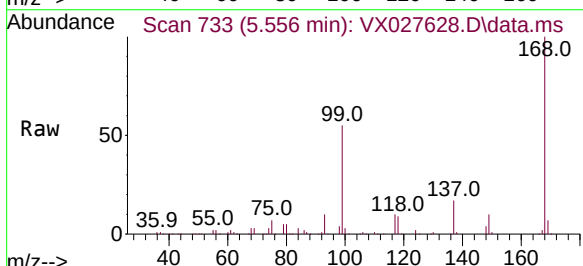
Tgt Ion: 75 Resp: 23357

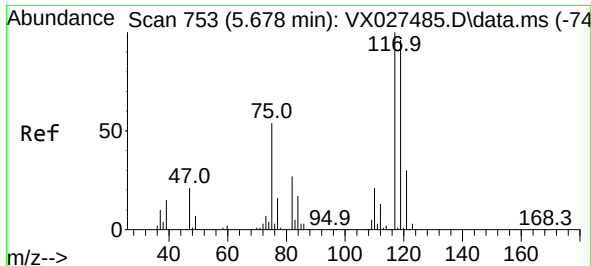
Ion Ratio Lower Upper

75 100

110 9.0 18.3 54.8#

77 0.0 24.8 37.2#

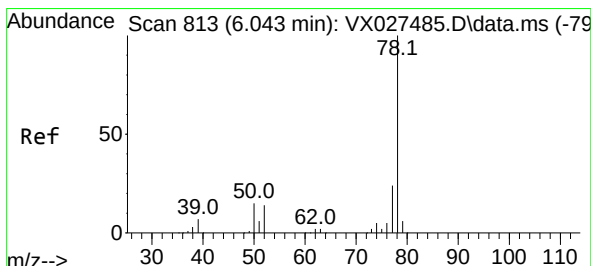
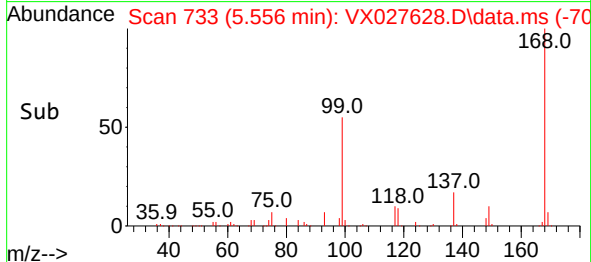
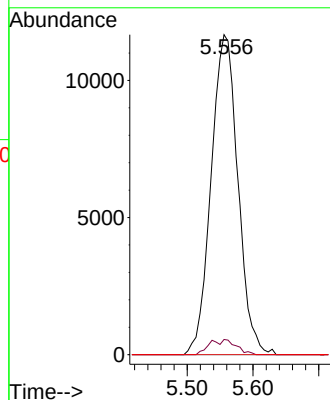
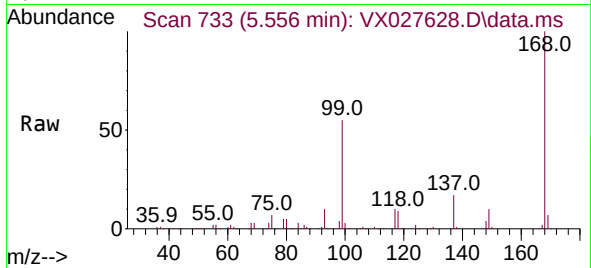




#38
Carbon Tetrachloride
Concen: 5.811 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX027628.D
Acq: 22 Mar 2022 20:37

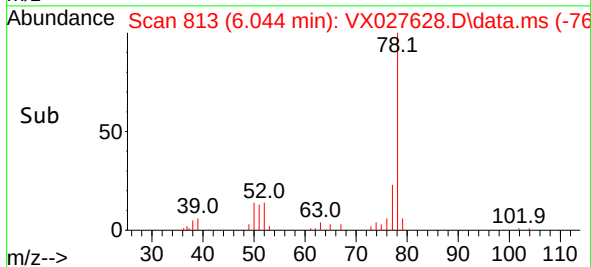
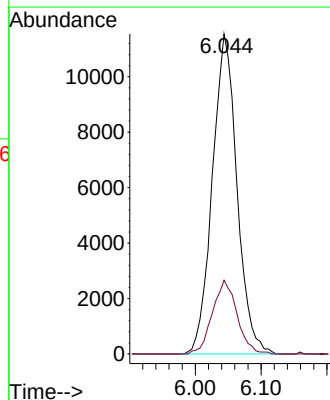
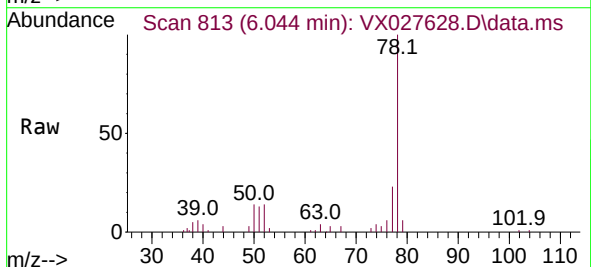
Instrument :
MSVOA_X
ClientSampleId :
MW-118D

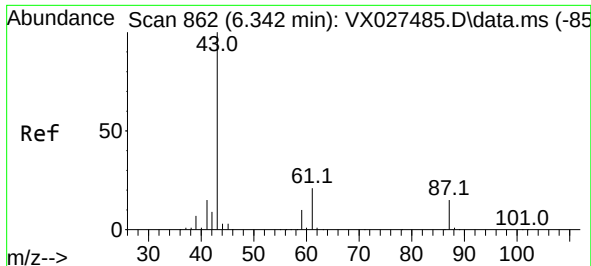
Tgt Ion:117 Resp: 33080
Ion Ratio Lower Upper
117 100
119 4.8 77.3 115.9#
121 0.0 24.2 36.2#



#40
Benzene
Concen: 2.107 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.000 min
Lab File: VX027628.D
Acq: 22 Mar 2022 20:37

Tgt Ion: 78 Resp: 30075
Ion Ratio Lower Upper
78 100
77 23.1 19.3 28.9

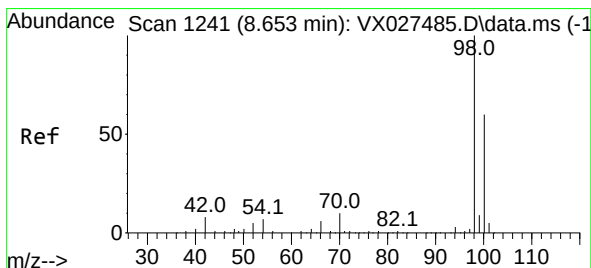
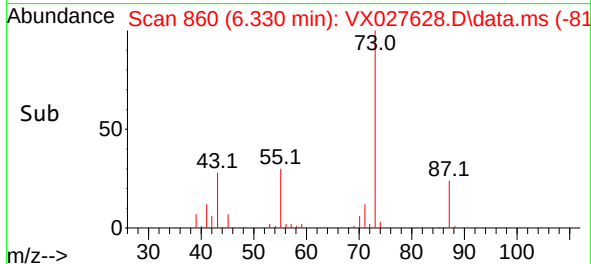
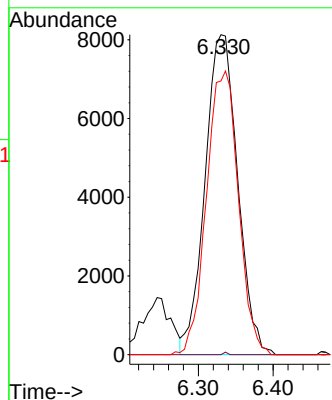
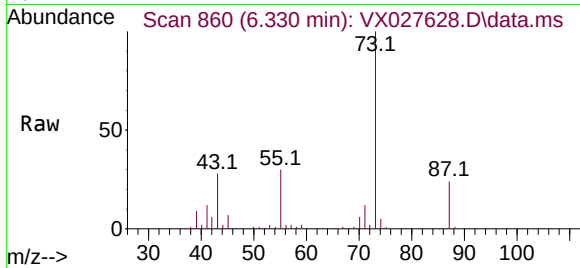




#43
Isopropyl Acetate
Concen: 3.090 ug/l
RT: 6.330 min Scan# 860
Delta R.T. -0.012 min
Lab File: VX027628.D
Acq: 22 Mar 2022 20:37

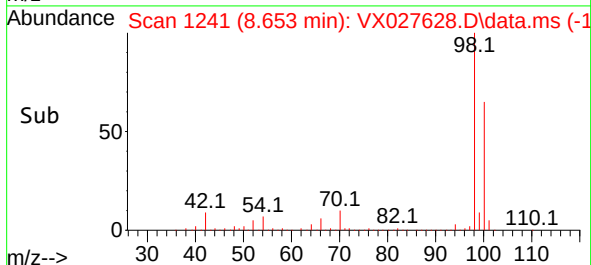
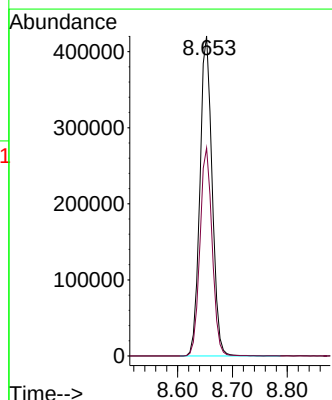
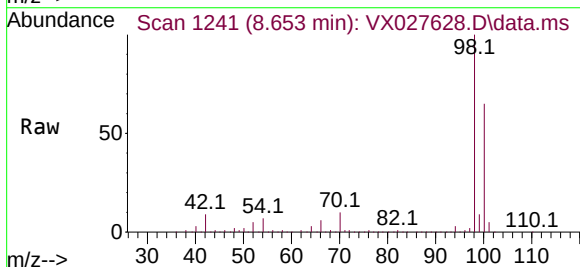
Instrument :
MSVOA_X
ClientSampleId :
MW-118D

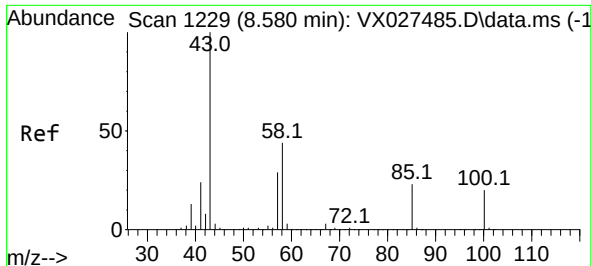
Tgt Ion: 43 Resp: 24662
Ion Ratio Lower Upper
43 100
61 0.1 18.5 27.7#
87 86.6 13.0 19.6#



#50
Toluene-d8
Concen: 47.214 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX027628.D
Acq: 22 Mar 2022 20:37

Tgt Ion: 98 Resp: 650567
Ion Ratio Lower Upper
98 100
100 65.1 52.6 78.8

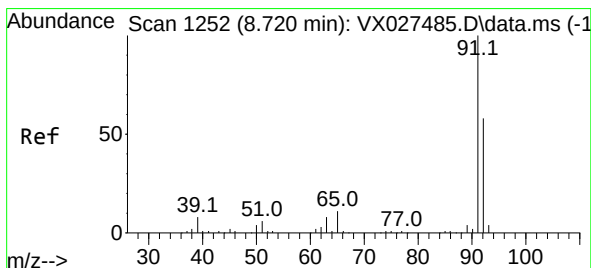
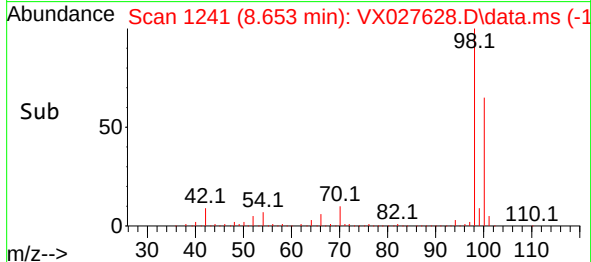
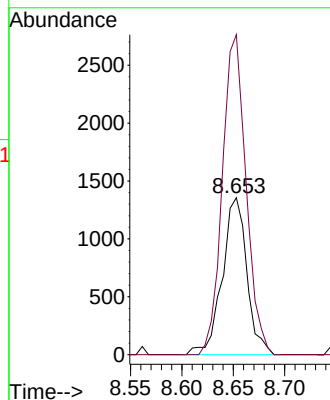
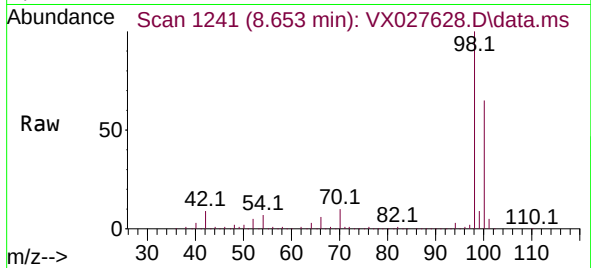




#51
4-Methyl-2-Pentanone
Concen: 0.444 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX027628.D
Acq: 22 Mar 2022 20:37

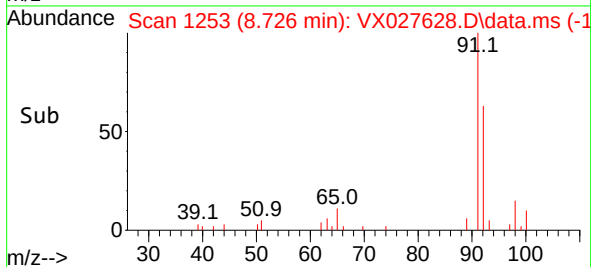
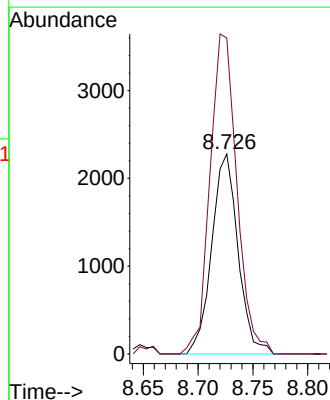
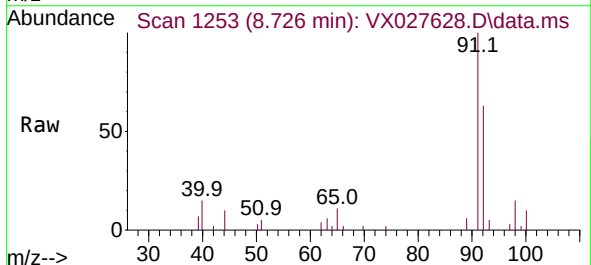
Instrument :
MSVOA_X
ClientSampleId :
MW-118D

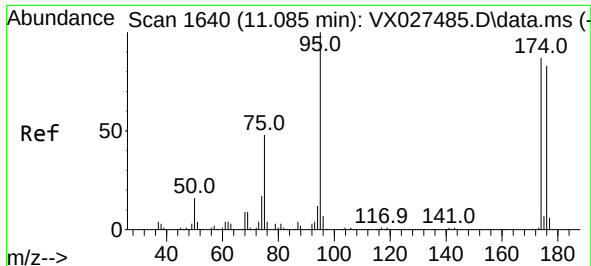
Tgt Ion: 43 Resp: 2264
Ion Ratio Lower Upper
43 100
58 195.8 36.1 54.1#



#52
Toluene
Concen: 0.397 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX027628.D
Acq: 22 Mar 2022 20:37

Tgt Ion: 92 Resp: 3797
Ion Ratio Lower Upper
92 100
91 163.9 137.5 206.3

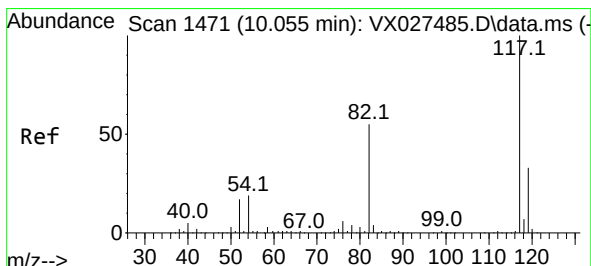
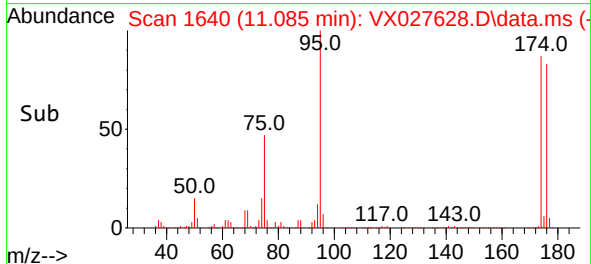
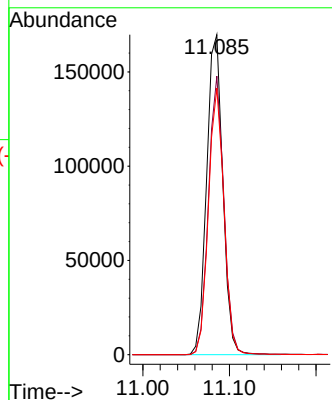
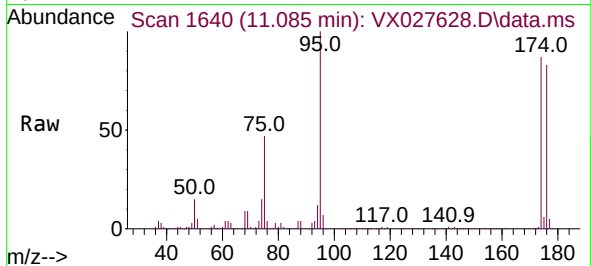




#62
4-Bromofluorobenzene
Concen: 43.401 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX027628.D
Acq: 22 Mar 2022 20:37

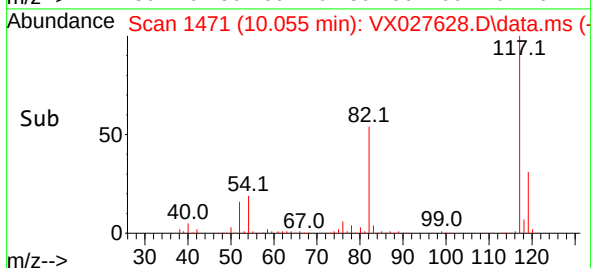
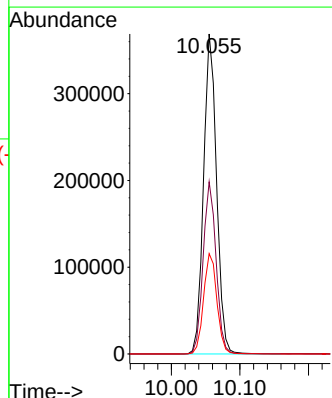
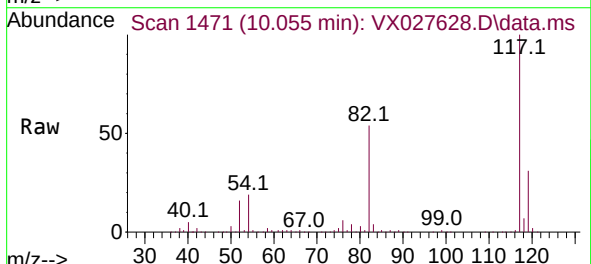
Instrument :
MSVOA_X
ClientSampleId :
MW-118D

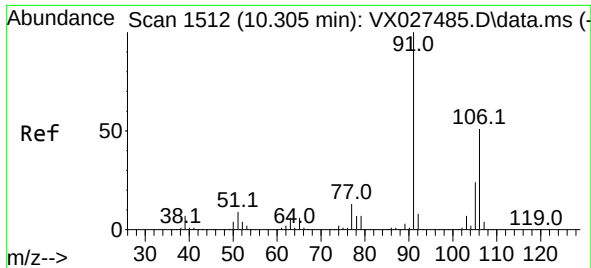
Tgt Ion: 95 Resp: 219806
Ion Ratio Lower Upper
95 100
174 83.6 0.0 163.0
176 80.4 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027628.D
Acq: 22 Mar 2022 20:37

Tgt Ion: 117 Resp: 487952
Ion Ratio Lower Upper
117 100
82 53.8 41.8 62.8
119 31.4 24.8 37.2

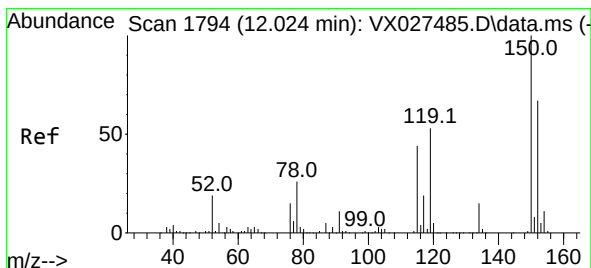
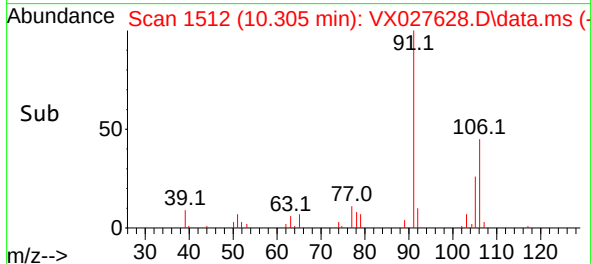
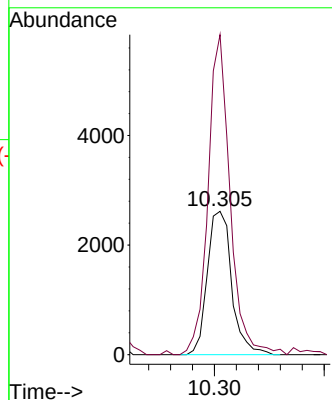
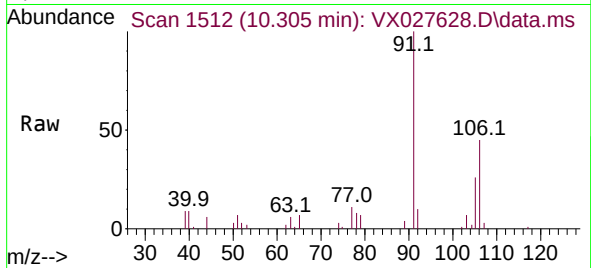




#68
m/p-Xylenes
Concen: 0.599 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027628.D
Acq: 22 Mar 2022 20:37

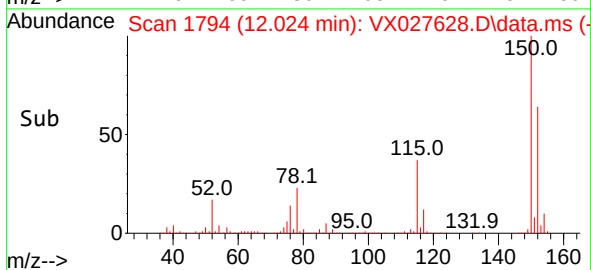
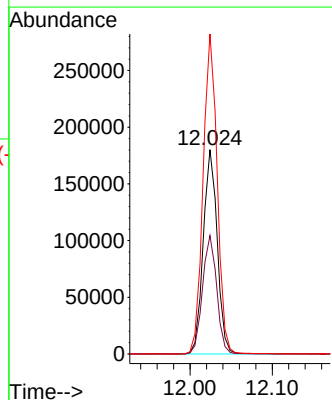
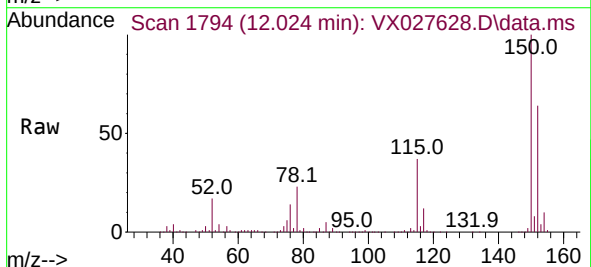
Instrument :
MSVOA_X
ClientSampleId :
MW-118D

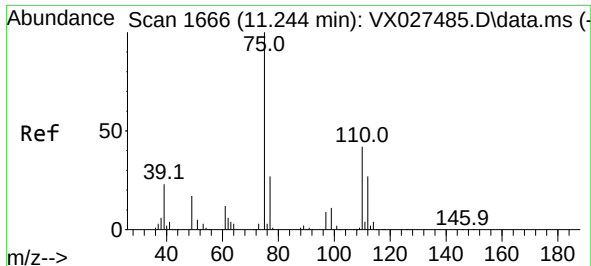
Tgt Ion:106 Resp: 4051
Ion Ratio Lower Upper
106 100
91 201.1 160.4 240.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027628.D
Acq: 22 Mar 2022 20:37

Tgt Ion:152 Resp: 213246
Ion Ratio Lower Upper
152 100
115 58.8 37.5 112.7
150 157.7 0.0 338.2

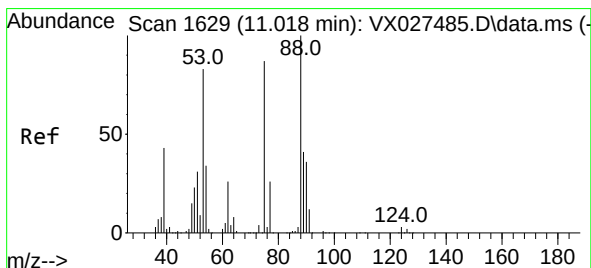
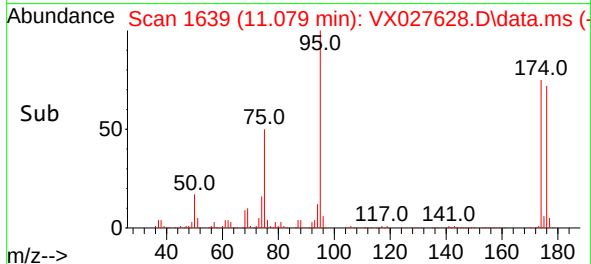
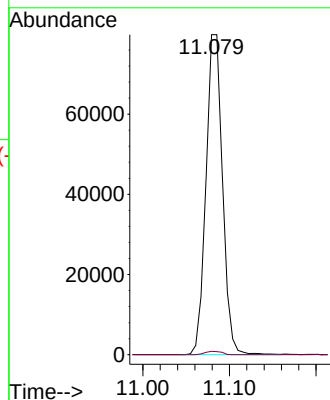
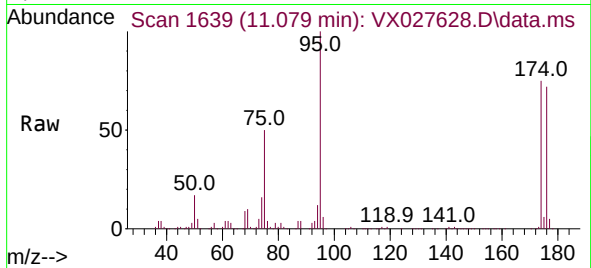




#76
1,2,3-Trichloropropane
Concen: 23.787 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX027628.D
Acq: 22 Mar 2022 20:37

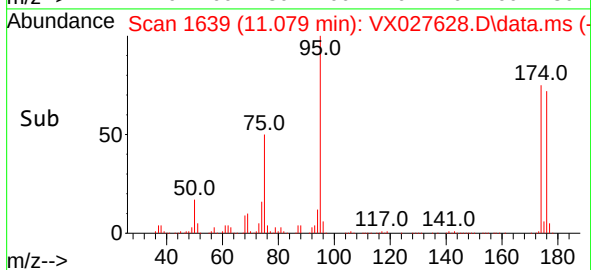
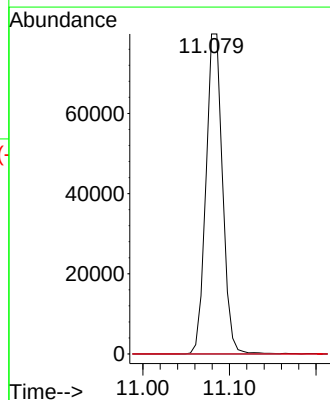
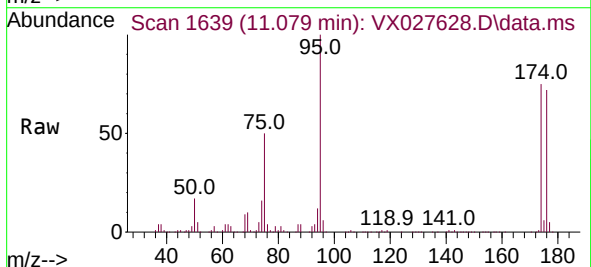
Instrument :
MSVOA_X
ClientSampleId :
MW-118D

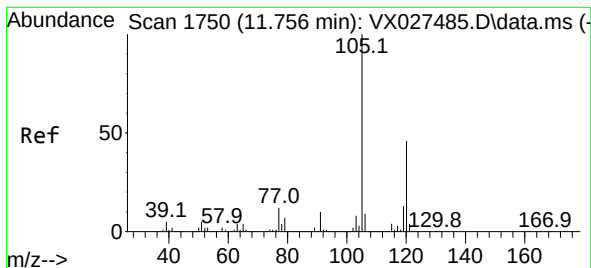
Tgt Ion: 75 Resp: 106098
Ion Ratio Lower Upper
75 100
77 1.0 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.241 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX027628.D
Acq: 22 Mar 2022 20:37

Tgt Ion: 75 Resp: 106098
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#





#84

1,2,4-Trimethylbenzene

Concen: 0.253 ug/l

RT: 11.756 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX027628.D

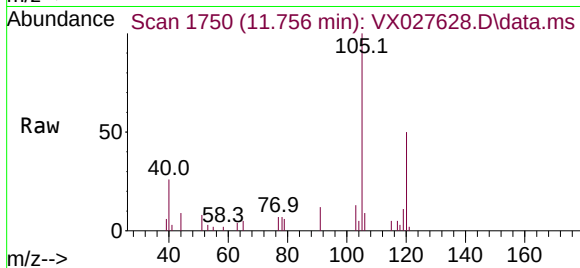
Acq: 22 Mar 2022 20:37

Instrument :

MSVOA_X

ClientSampleId :

MW-118D



Tgt Ion:105 Resp: 3301

Ion Ratio Lower Upper

105 100

120 46.3 22.6 67.8

