

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033122\
 Data File : VN071732.D
 Acq On : 01 Apr 2022 03:15
 Operator : JC\MD
 Sample : N2090-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-50D

Quant Time: Apr 01 06:05:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	660804	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.969	114	1113813	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	1106677	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	394173	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.439	65	373417	49.500	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.000%
35) Dibromofluoromethane	8.022	113	317792	48.487	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.980%
50) Toluene-d8	10.439	98	1378357	51.409	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.820%
62) 4-Bromofluorobenzene	12.727	95	455197	52.495	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	104.980%

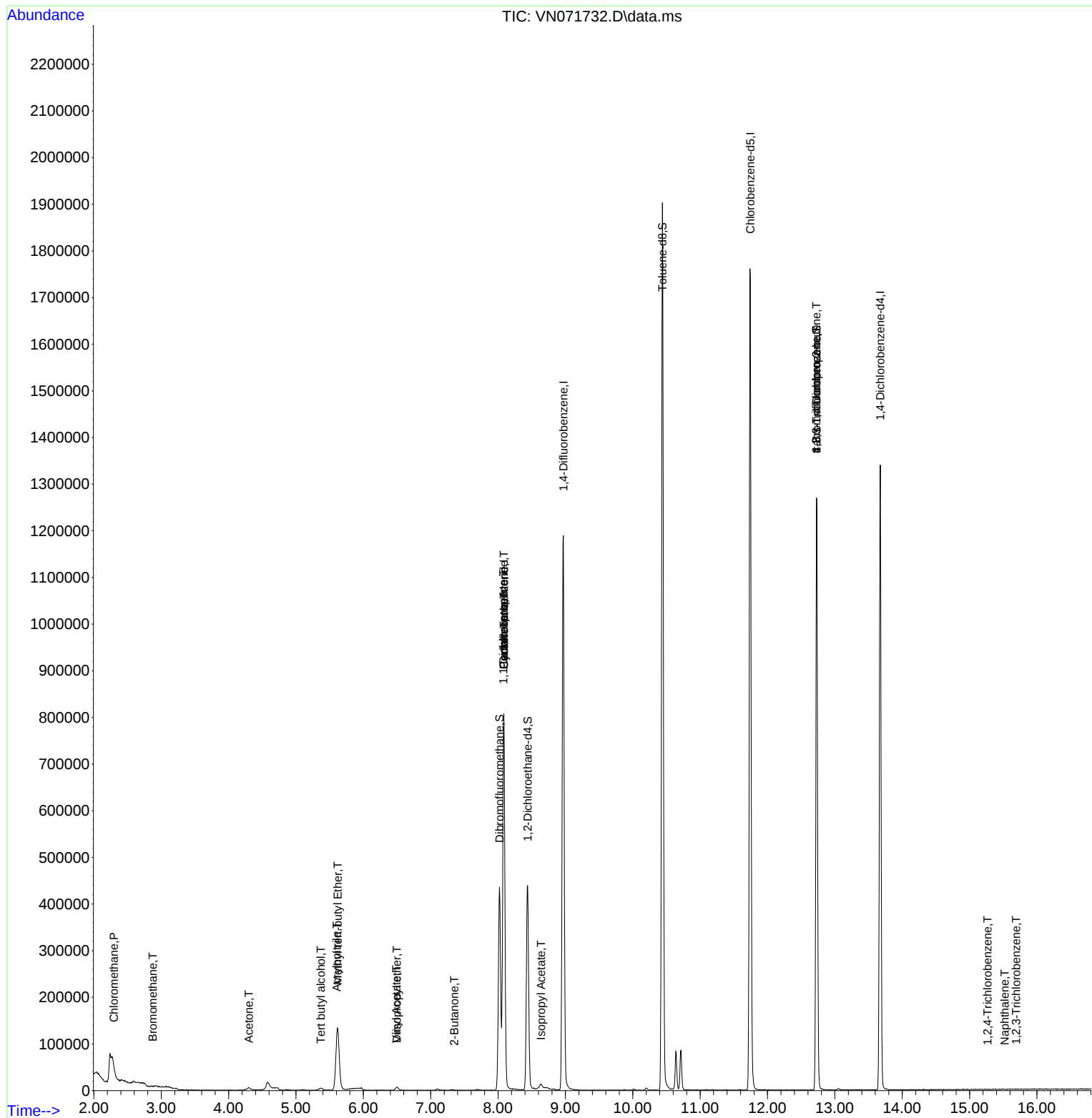
Target Compounds				Qvalue		
3) Chloromethane	2.298	50	2944	0.442	ug/l #	74
5) Bromomethane	2.875	94	1410	0.297	ug/l #	60
11) Tert butyl alcohol	5.369	59	9676	7.904	ug/l #	72
15) Acrylonitrile	5.604	53	1187	0.334	ug/l #	32
16) Acetone	4.298	43	8713	2.703	ug/l	98
18) Methyl Acetate	4.869	43	2685	Below Cal	#	69
19) Methyl tert-butyl Ether	5.622	73	226603	11.183	ug/l	96
22) Diisopropyl ether	6.498	45	8525	0.442	ug/l #	79
23) Vinyl Acetate	6.492	43	4548	0.297	ug/l #	68
25) 2-Butanone	7.351	43	1117	0.240	ug/l #	45
31) Cyclohexane	8.086	56	11559	1.127	ug/l #	1
36) 1,1-Dichloropropene	8.080	75	44697	4.884	ug/l #	49
38) Carbon Tetrachloride	8.086	117	60414	6.735	ug/l #	17
43) Isopropyl Acetate	8.639	43	12920	0.775	ug/l #	62
76) 1,2,3-Trichloropropane	12.727	75	219512	24.039	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	219512	74.497	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.268	180	57	2.094	ug/l #	12
95) Naphthalene	15.521	128	528	3.830	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.692	180	67	2.425	ug/l #	67

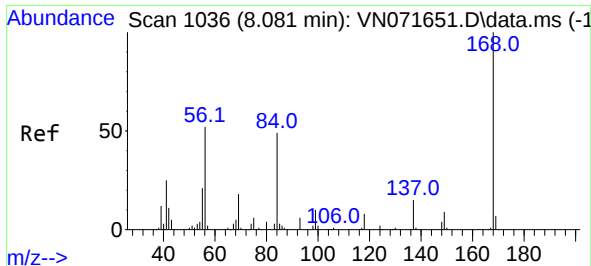
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Mar 31 01:57:54 2022
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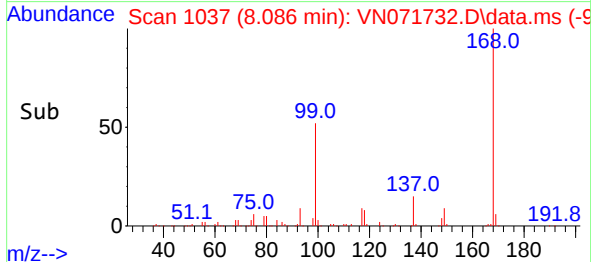
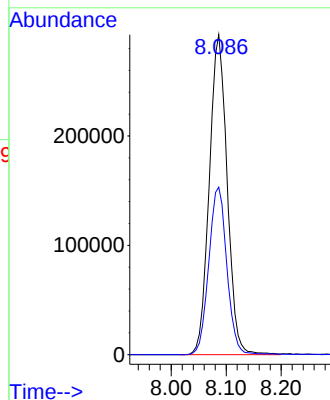
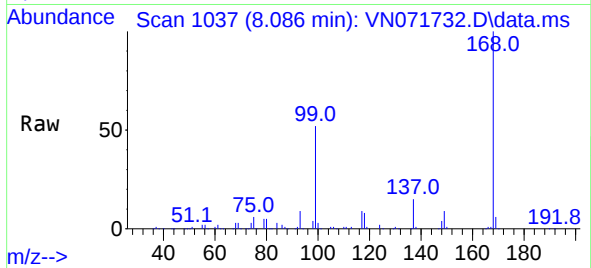




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN071732.D
Acq: 01 Apr 2022 03:15

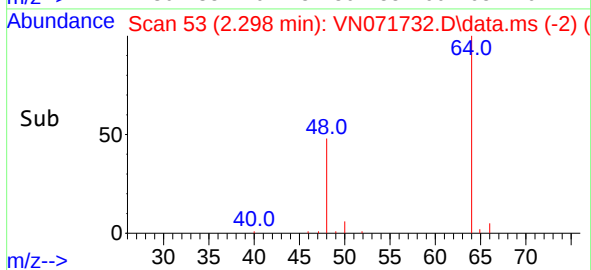
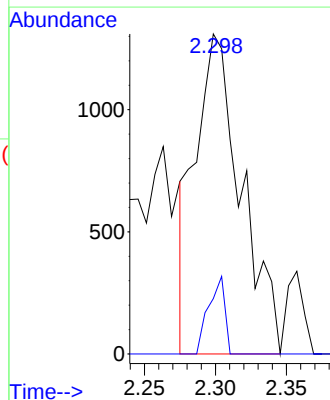
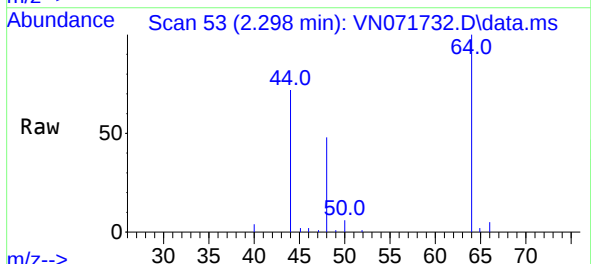
Instrument :
MSVOA_N
ClientSampleId :
MW-50D

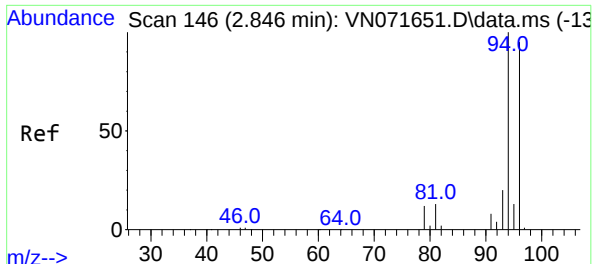
Tgt Ion:168 Resp: 660804
Ion Ratio Lower Upper
168 100
99 52.4 42.3 63.5



#3
Chloromethane
Concen: 0.442 ug/l
RT: 2.298 min Scan# 53
Delta R.T. -0.001 min
Lab File: VN071732.D
Acq: 01 Apr 2022 03:15

Tgt Ion: 50 Resp: 2944
Ion Ratio Lower Upper
50 100
52 17.3 25.7 38.5#

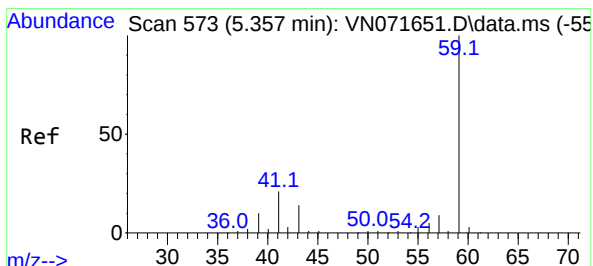
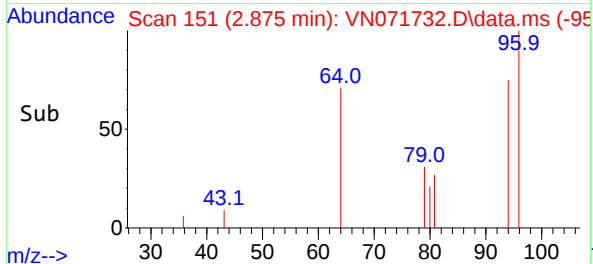
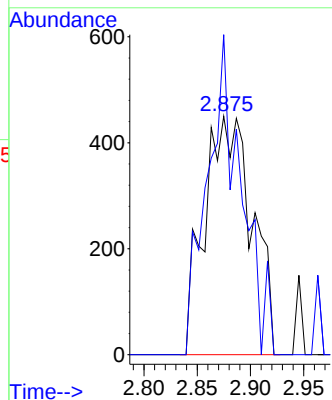
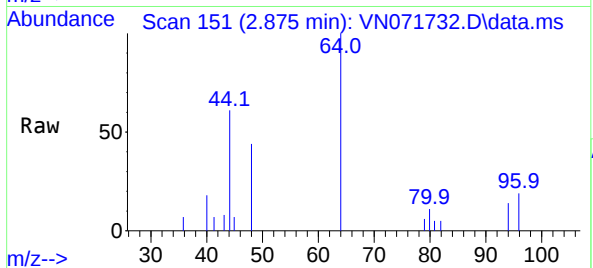




#5
Bromomethane
Concen: 0.297 ug/l
RT: 2.875 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN071732.D
Acq: 01 Apr 2022 03:15

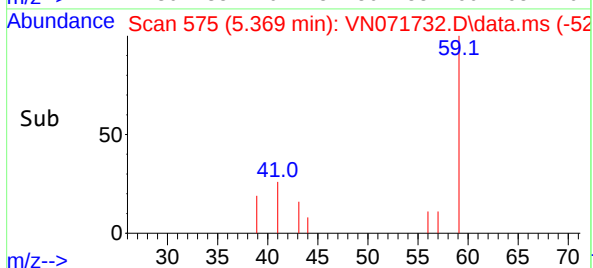
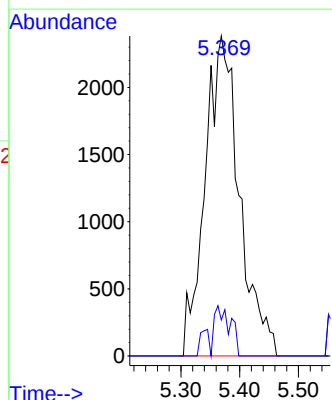
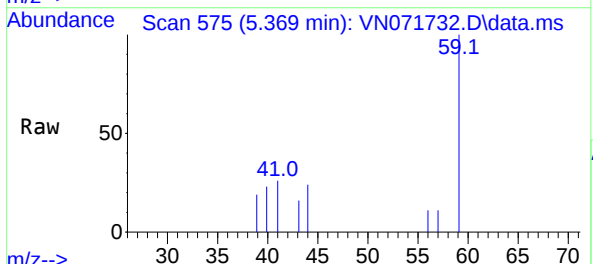
Instrument :
MSVOA_N
ClientSampleId :
MW-50D

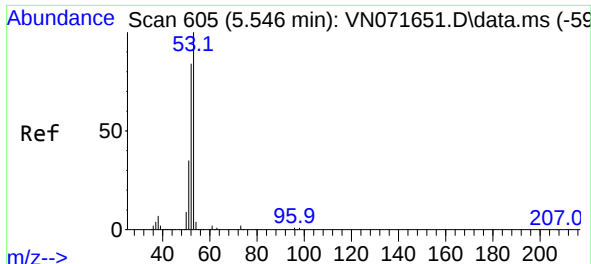
Tgt Ion: 94 Resp: 1410
Ion Ratio Lower Upper
94 100
96 134.2 76.0 114.0#



#11
Tert butyl alcohol
Concen: 7.904 ug/l
RT: 5.369 min Scan# 575
Delta R.T. 0.012 min
Lab File: VN071732.D
Acq: 01 Apr 2022 03:15

Tgt Ion: 59 Resp: 9676
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

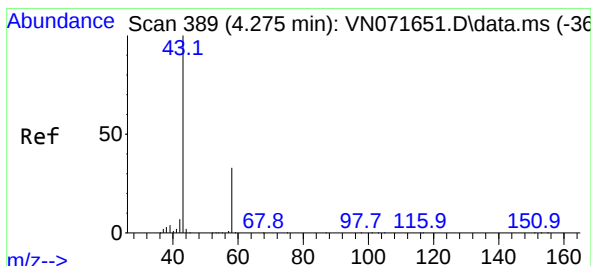
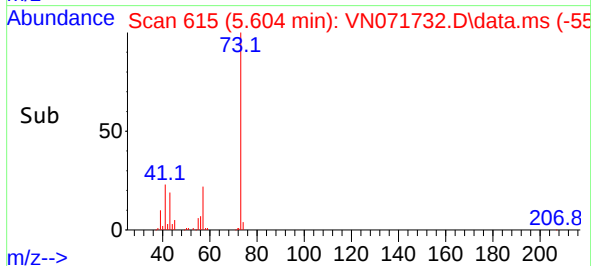
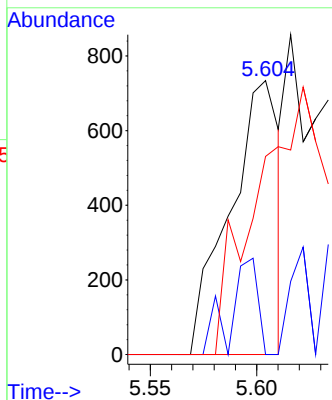
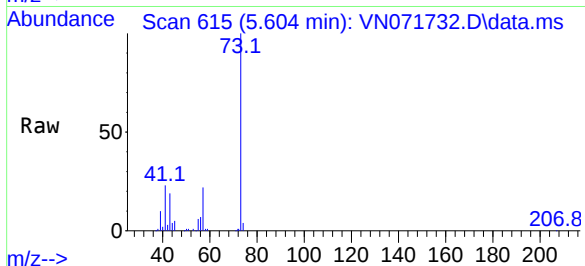




#15
Acrylonitrile
Concen: 0.334 ug/l
RT: 5.604 min Scan# 615
Delta R.T. 0.058 min
Lab File: VN071732.D
Acq: 01 Apr 2022 03:15

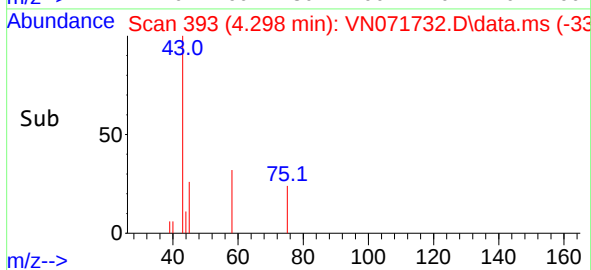
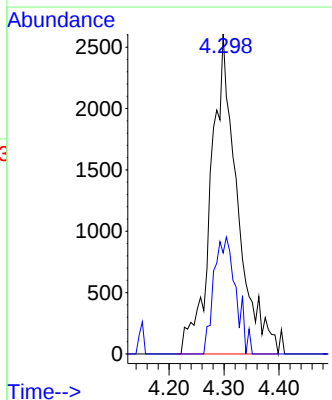
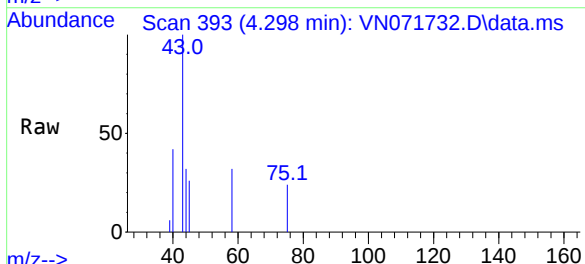
Instrument :
MSVOA_N
ClientSampleId :
MW-50D

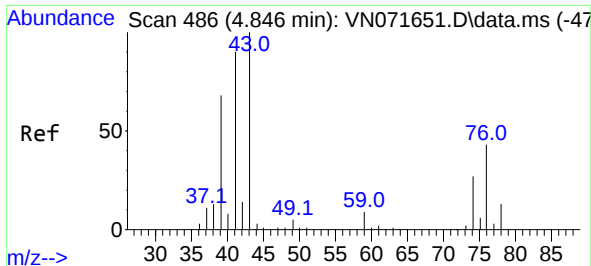
Tgt Ion: 53 Resp: 1187
Ion Ratio Lower Upper
53 100
52 19.4 66.4 99.6#
51 0.0 28.5 42.7#



#16
Acetone
Concen: 2.703 ug/l
RT: 4.298 min Scan# 393
Delta R.T. 0.023 min
Lab File: VN071732.D
Acq: 01 Apr 2022 03:15

Tgt Ion: 43 Resp: 8713
Ion Ratio Lower Upper
43 100
58 31.6 26.0 39.0





#18

Methyl Acetate

Concen: Below Cal

RT: 4.869 min Scan# 490

Delta R.T. 0.023 min

Lab File: VN071732.D

Acq: 01 Apr 2022 03:15

Instrument :

MSVOA_N

ClientSampleId :

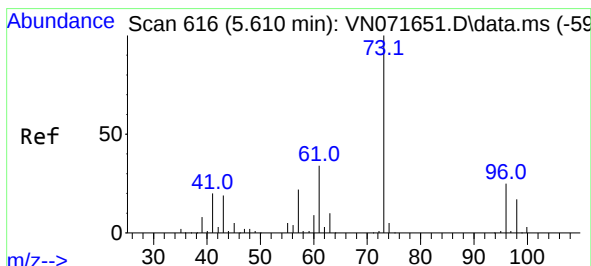
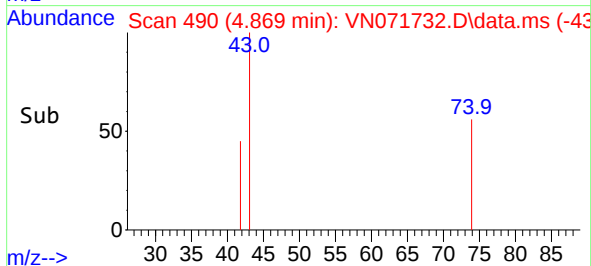
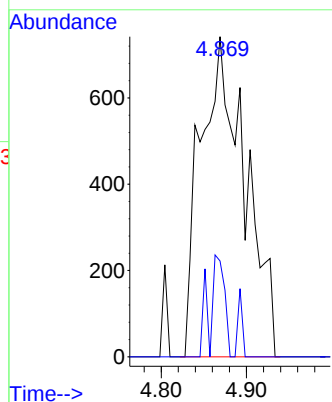
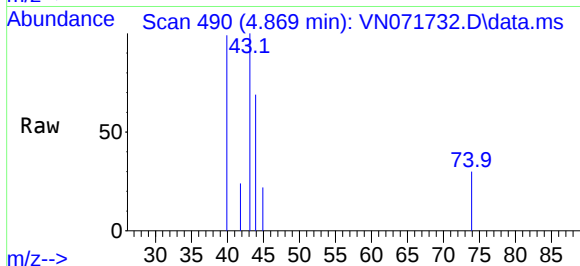
MW-50D

Tgt Ion: 43 Resp: 2685

Ion Ratio Lower Upper

43 100

74 10.7 21.6 32.4#



#19

Methyl tert-butyl Ether

Concen: 11.183 ug/l

RT: 5.622 min Scan# 618

Delta R.T. 0.012 min

Lab File: VN071732.D

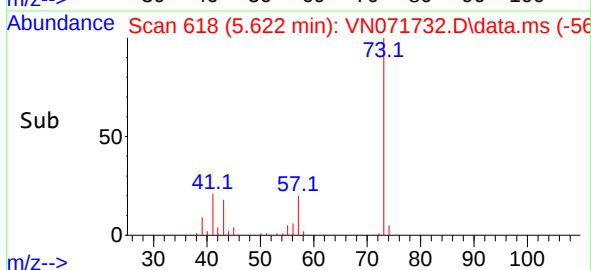
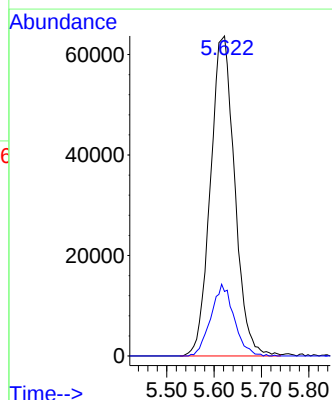
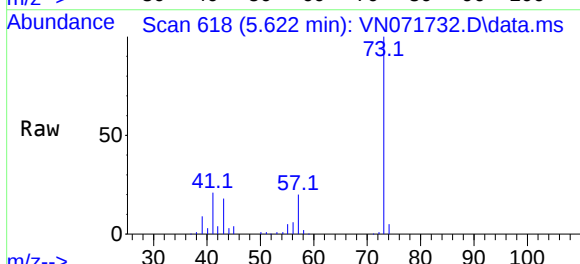
Acq: 01 Apr 2022 03:15

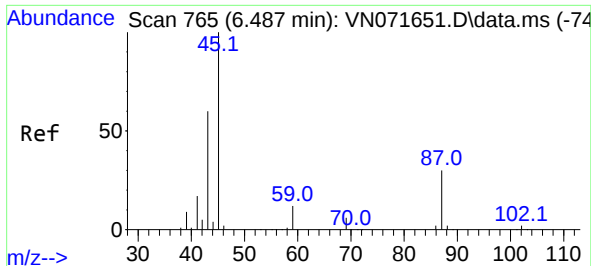
Tgt Ion: 73 Resp: 226603

Ion Ratio Lower Upper

73 100

57 20.2 17.6 26.4

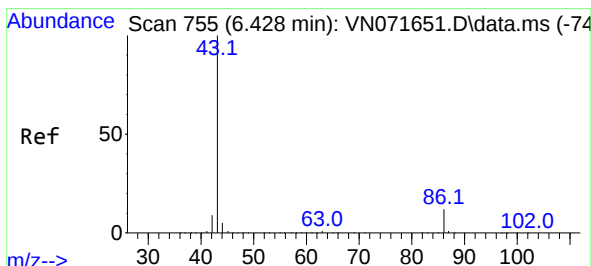
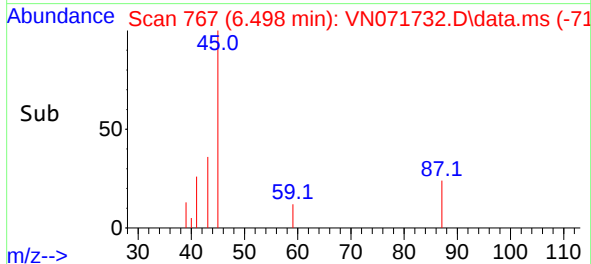
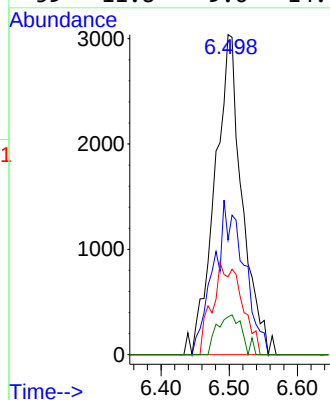
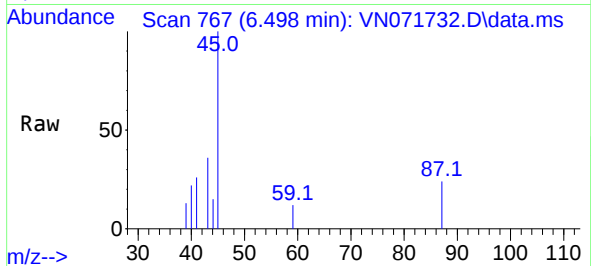




#22
Diisopropyl ether
Concen: 0.442 ug/l
RT: 6.498 min Scan# 765
Delta R.T. 0.011 min
Lab File: VN071732.D
Acq: 01 Apr 2022 03:15

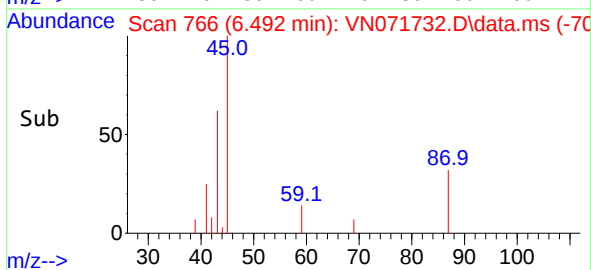
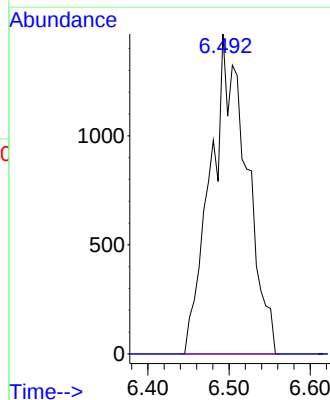
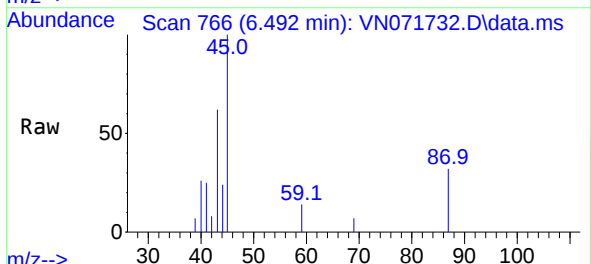
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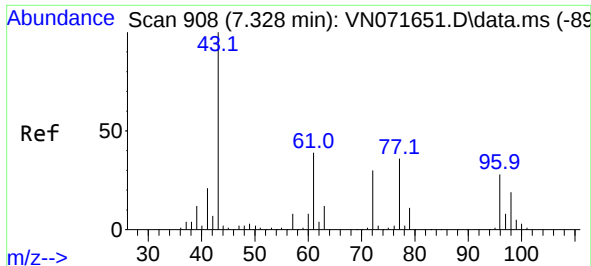
Tgt Ion:	45	Resp:	8525
Ion	Ratio	Lower	Upper
45	100		
43	35.9	46.6	70.0#
87	24.3	24.3	36.5#
59	11.8	9.6	14.4



#23
Vinyl Acetate
Concen: 0.297 ug/l
RT: 6.492 min Scan# 766
Delta R.T. 0.064 min
Lab File: VN071732.D
Acq: 01 Apr 2022 03:15

Tgt Ion:	43	Resp:	4548
Ion	Ratio	Lower	Upper
43	100		
86	0.0	10.0	15.0#

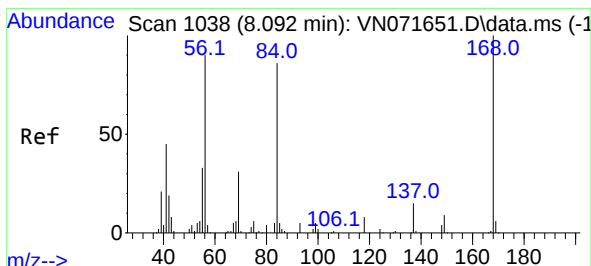
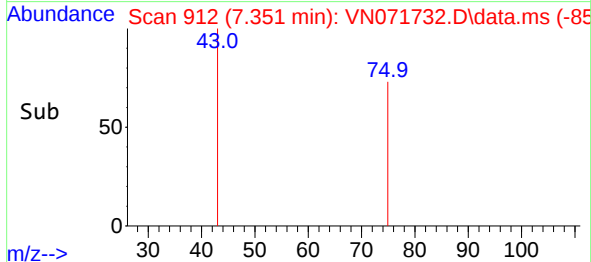
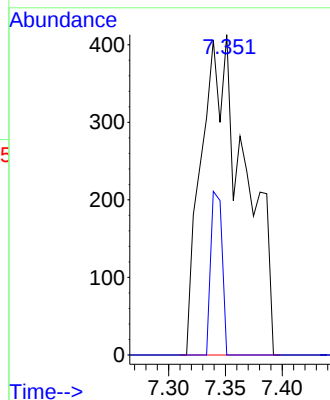
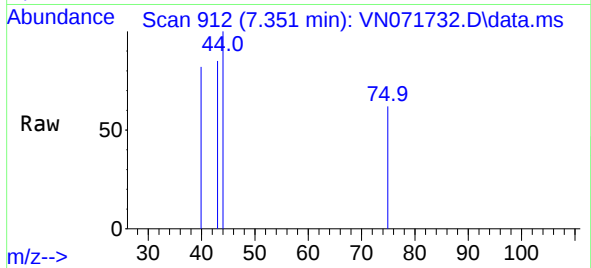




#25
2-Butanone
Concen: 0.240 ug/l
RT: 7.351 min Scan# 91
Delta R.T. 0.023 min
Lab File: VN071732.D
Acq: 01 Apr 2022 03:15

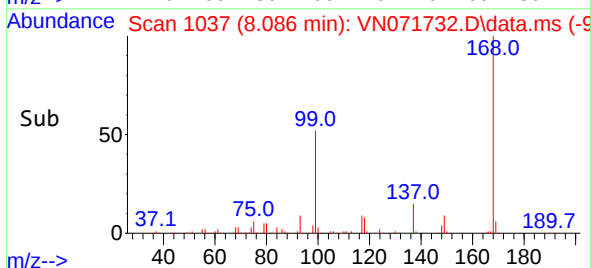
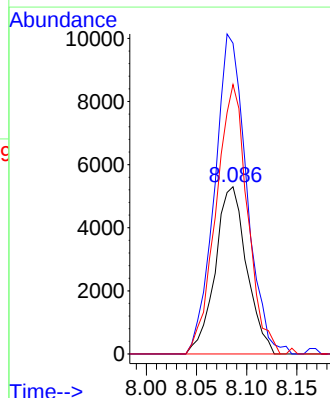
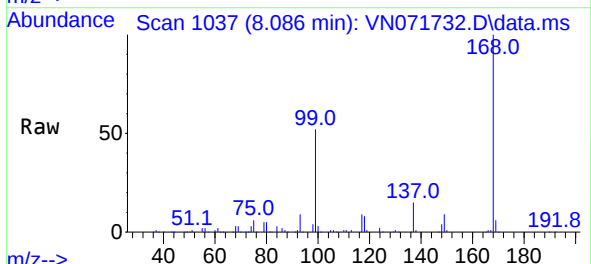
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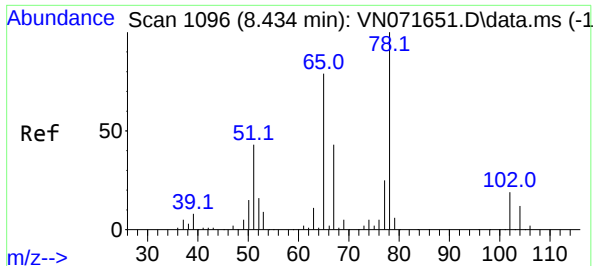
Tgt Ion: 43 Resp: 1117
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#31
Cyclohexane
Concen: 1.127 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN071732.D
Acq: 01 Apr 2022 03:15

Tgt Ion: 56 Resp: 11559
Ion Ratio Lower Upper
56 100
69 185.8 27.8 41.8#
84 161.2 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 49.500 ug/l

RT: 8.439 min Scan# 1107

Delta R.T. 0.005 min

Lab File: VN071732.D

Acq: 01 Apr 2022 03:15

Instrument :

MSVOA_N

ClientSampleId :

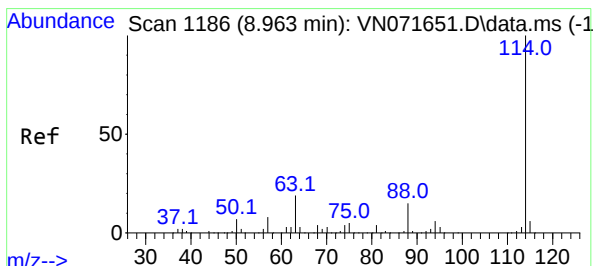
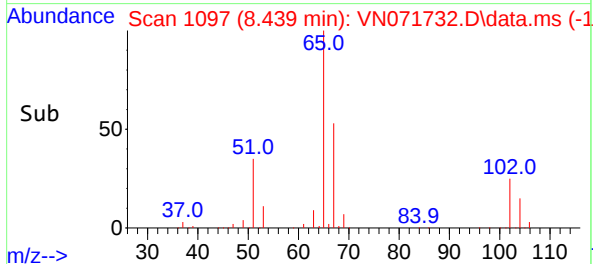
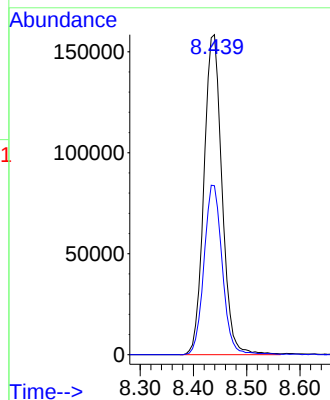
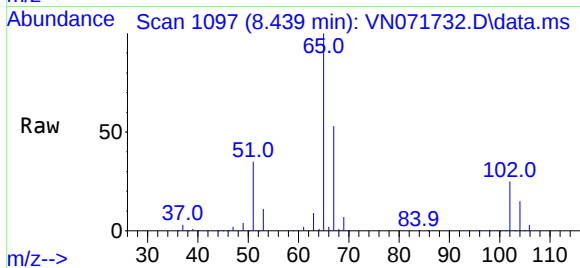
MW-50D

Tgt Ion: 65 Resp: 373417

Ion Ratio Lower Upper

65 100

67 53.6 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.969 min Scan# 1187

Delta R.T. 0.006 min

Lab File: VN071732.D

Acq: 01 Apr 2022 03:15

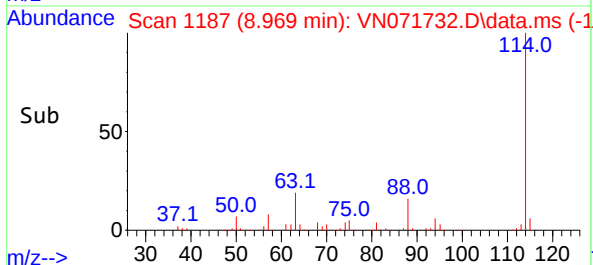
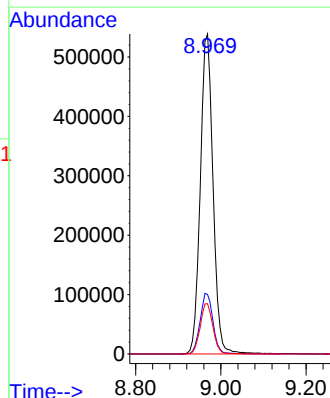
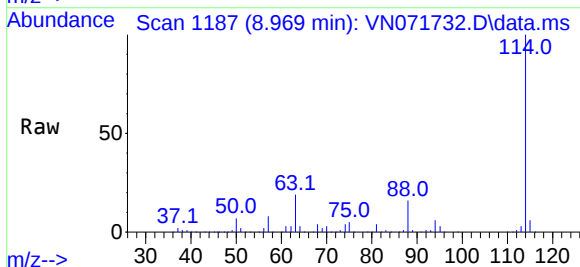
Tgt Ion: 114 Resp: 1113813

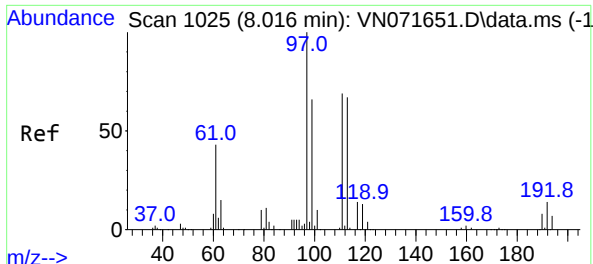
Ion Ratio Lower Upper

114 100

63 18.6 0.0 40.0

88 15.7 0.0 32.6

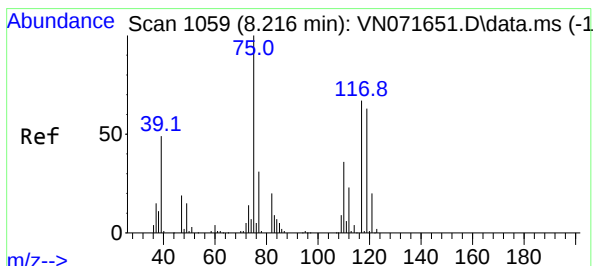
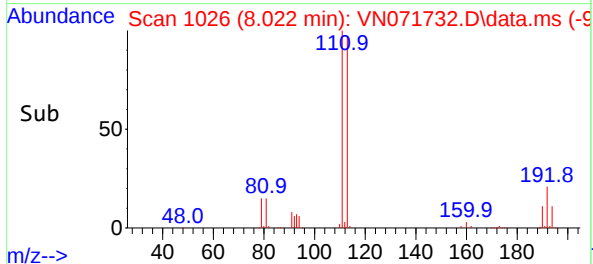
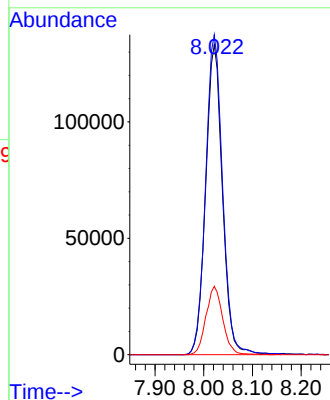
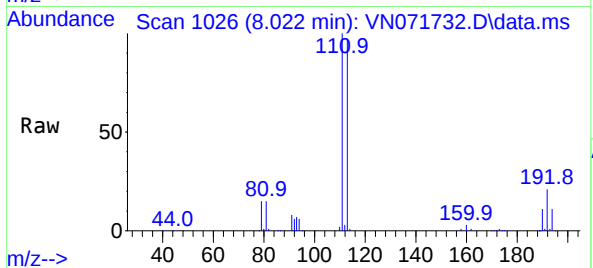




#35
Dibromofluoromethane
Concen: 48.487 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071732.D
Acq: 01 Apr 2022 03:15

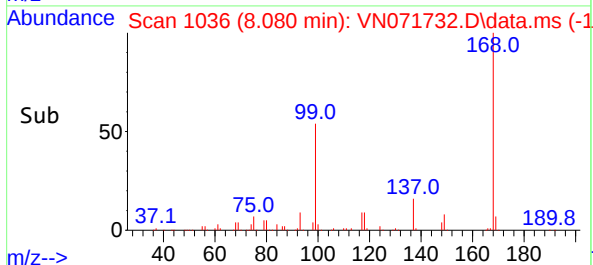
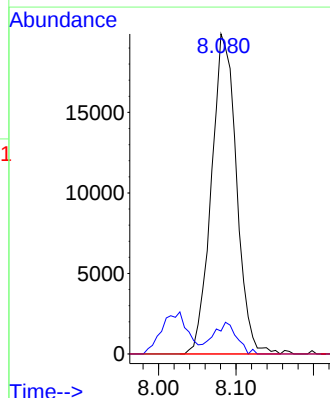
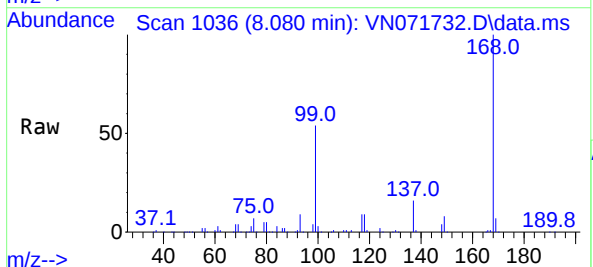
Instrument :
MSVOA_N
ClientSampleId :
MW-50D

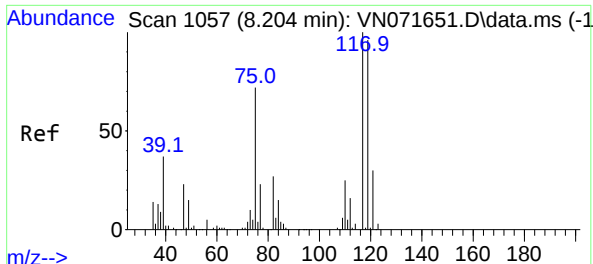
Tgt Ion:113 Resp: 317792
Ion Ratio Lower Upper
113 100
111 104.7 81.4 122.0
192 22.1 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.884 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.136 min
Lab File: VN071732.D
Acq: 01 Apr 2022 03:15

Tgt Ion: 75 Resp: 44697
Ion Ratio Lower Upper
75 100
110 9.5 18.3 54.8#
77 0.0 25.1 37.7#

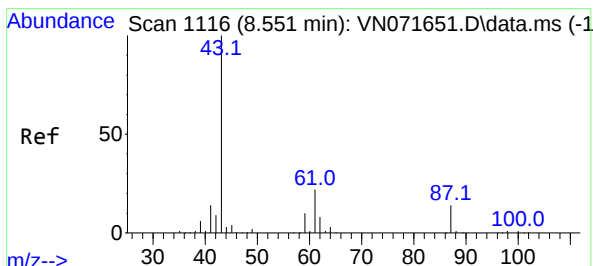
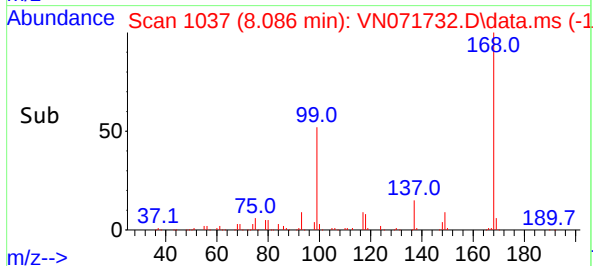
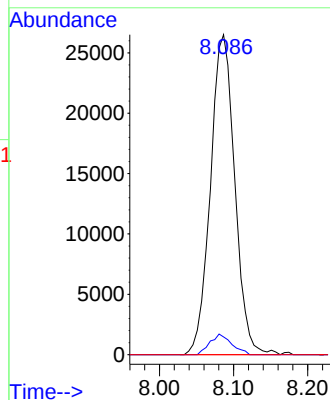
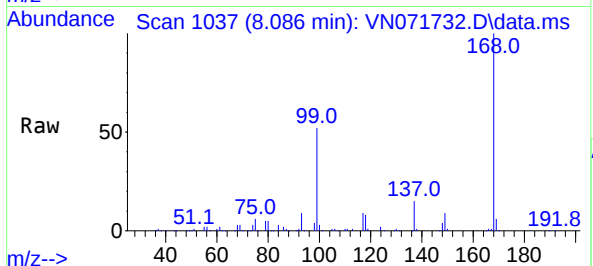




#38
Carbon Tetrachloride
Concen: 6.735 ug/l
RT: 8.086 min Scan# 1103
Delta R.T. -0.118 min
Lab File: VN071732.D
Acq: 01 Apr 2022 03:15

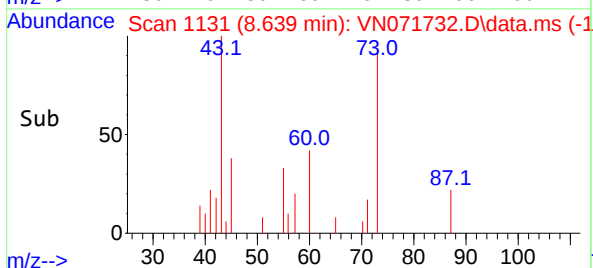
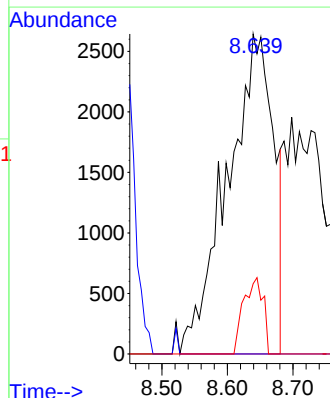
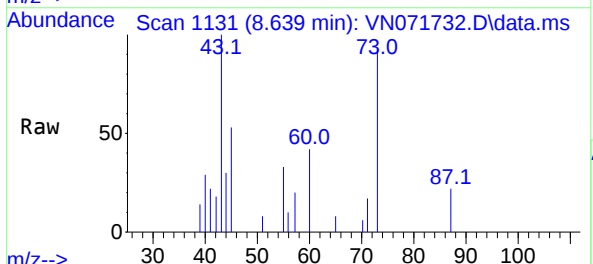
Instrument :
MSVOA_N
ClientSampleId :
MW-50D

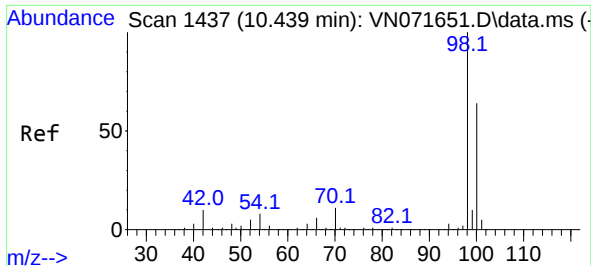
Tgt Ion:117 Resp: 60414
Ion Ratio Lower Upper
117 100
119 5.6 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.775 ug/l
RT: 8.639 min Scan# 1131
Delta R.T. 0.088 min
Lab File: VN071732.D
Acq: 01 Apr 2022 03:15

Tgt Ion: 43 Resp: 12920
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 10.1 12.0 18.0#

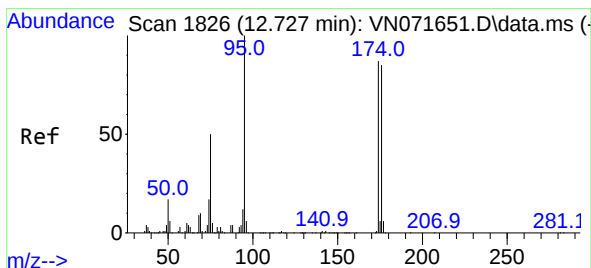
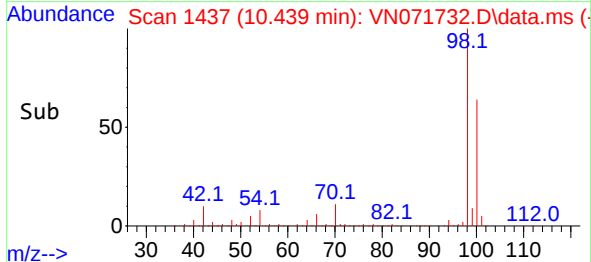
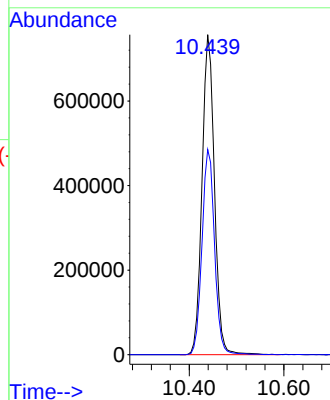
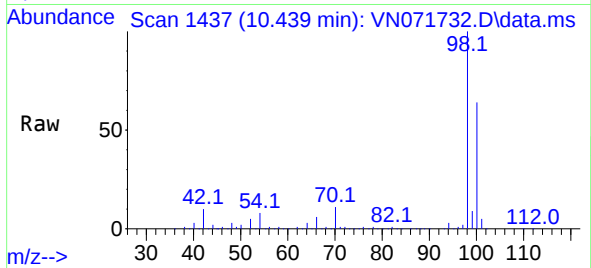




#50
Toluene-d8
Concen: 51.409 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071732.D
Acq: 01 Apr 2022 03:15

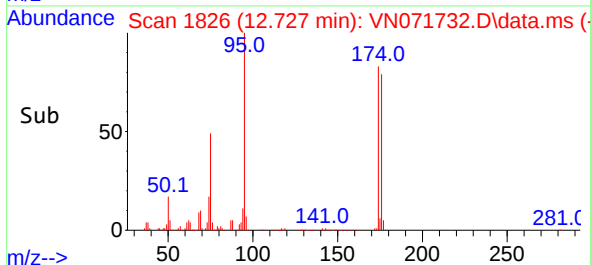
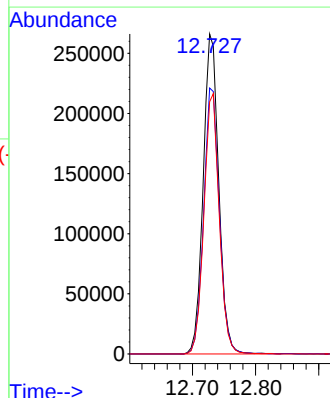
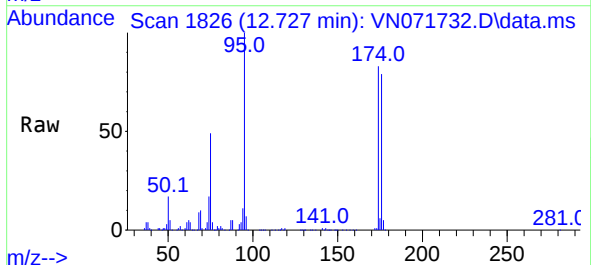
Instrument :
MSVOA_N
ClientSampleId :
MW-50D

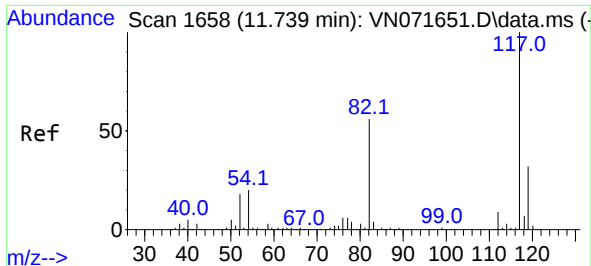
Tgt Ion: 98 Resp: 1378357
Ion Ratio Lower Upper
98 100
100 65.1 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 52.495 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071732.D
Acq: 01 Apr 2022 03:15

Tgt Ion: 95 Resp: 455197
Ion Ratio Lower Upper
95 100
174 83.7 0.0 167.6
176 80.3 0.0 163.4

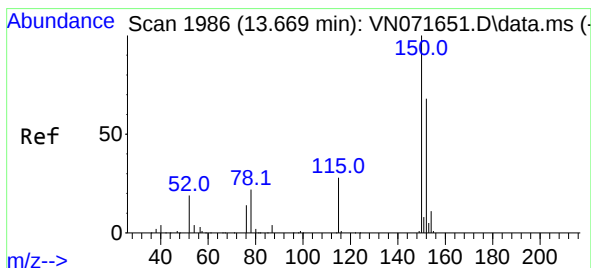
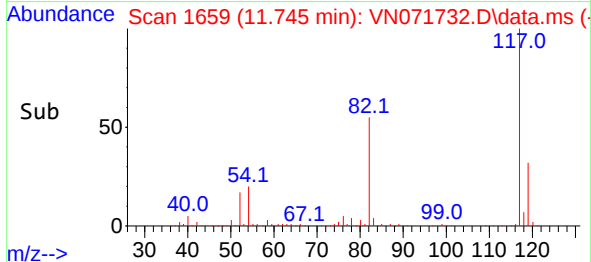
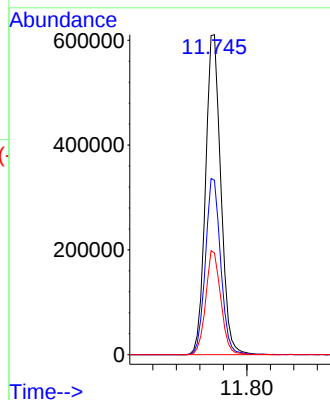
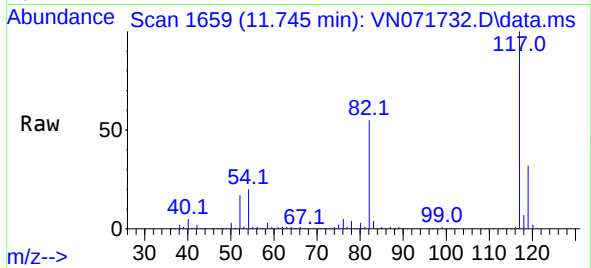




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.745 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071732.D
Acq: 01 Apr 2022 03:15

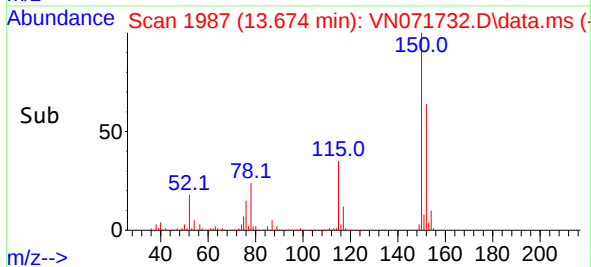
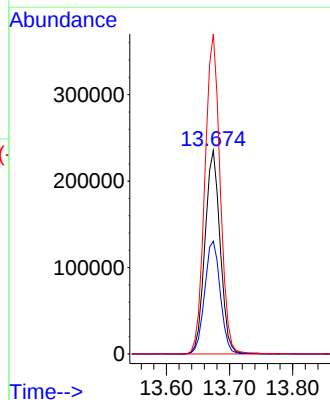
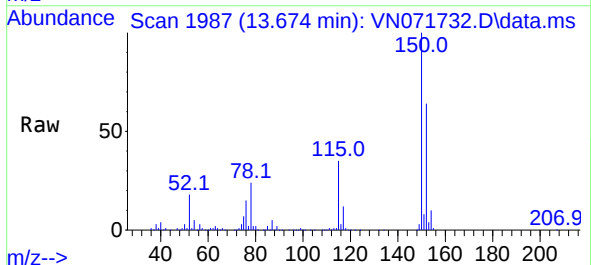
Instrument :
MSVOA_N
ClientSampleId :
MW-50D

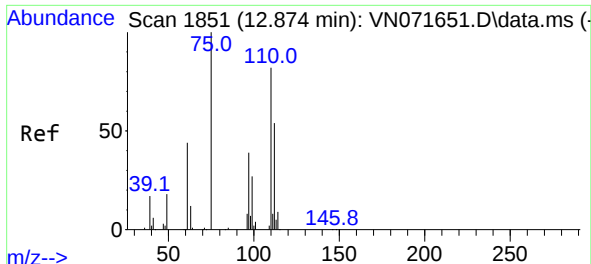
Tgt Ion:117 Resp: 1106677
Ion Ratio Lower Upper
117 100
82 54.5 44.2 66.2
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.005 min
Lab File: VN071732.D
Acq: 01 Apr 2022 03:15

Tgt Ion:152 Resp: 394173
Ion Ratio Lower Upper
152 100
115 57.1 28.9 86.7
150 157.7 0.0 356.2

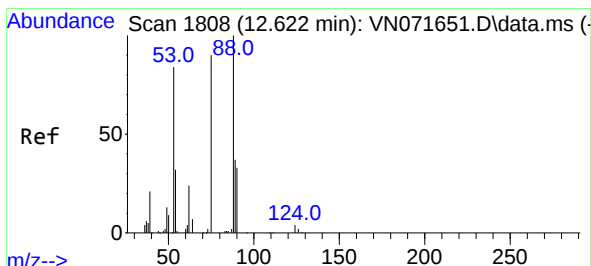
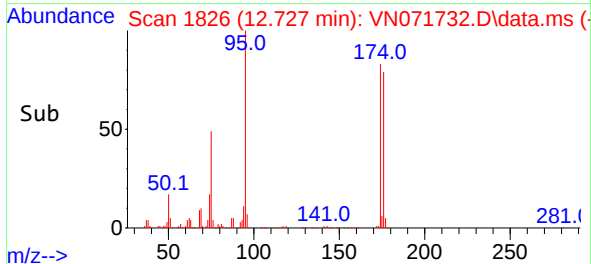
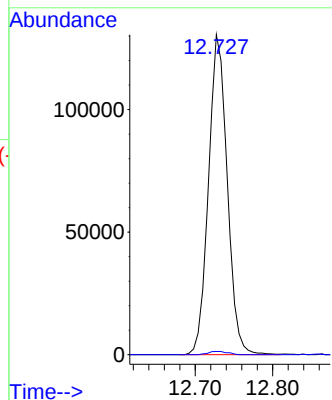
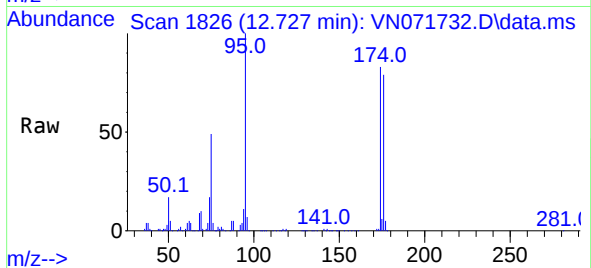




#76
1,2,3-Trichloropropane
Concen: 24.039 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071732.D
Acq: 01 Apr 2022 03:15

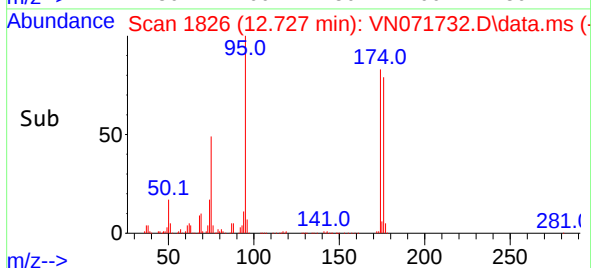
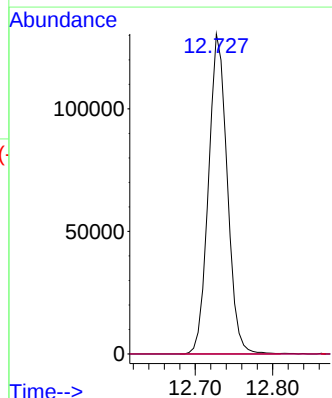
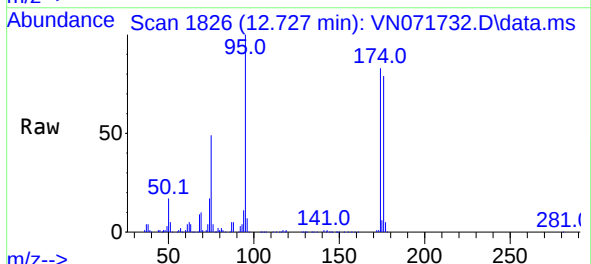
Instrument :
MSVOA_N
ClientSampleId :
MW-50D

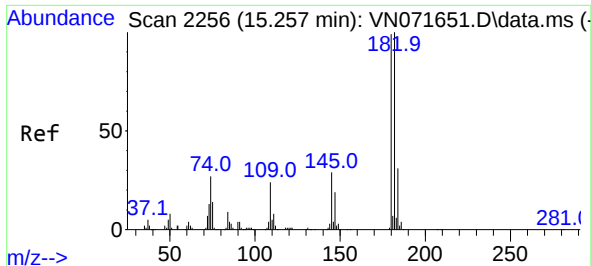
Tgt Ion: 75 Resp: 219512
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.497 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN071732.D
Acq: 01 Apr 2022 03:15

Tgt Ion: 75 Resp: 219512
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

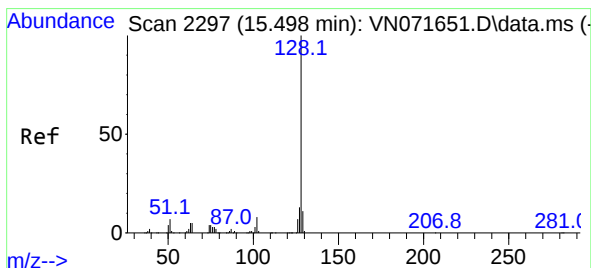
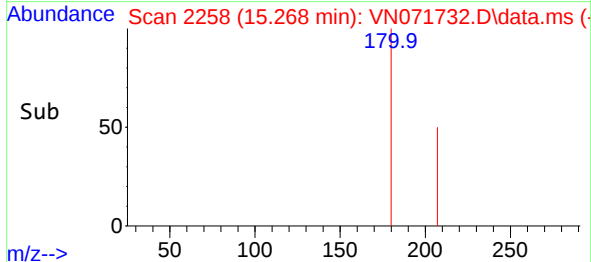
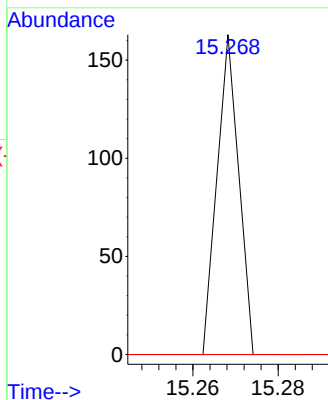
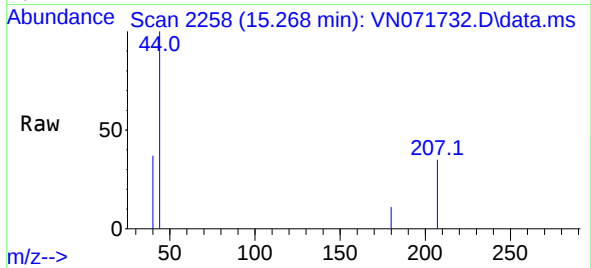




#93
1,2,4-Trichlorobenzene
Concen: 2.094 ug/l
RT: 15.268 min Scan# 21
Delta R.T. 0.011 min
Lab File: VN071732.D
Acq: 01 Apr 2022 03:15

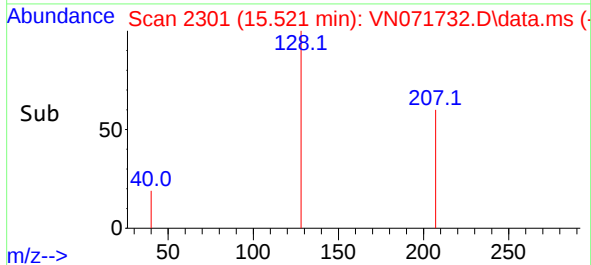
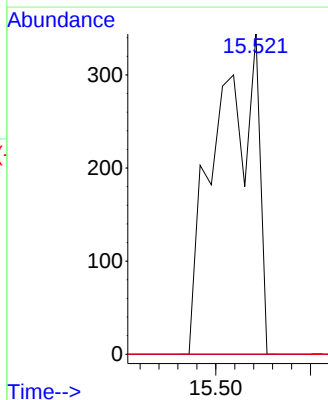
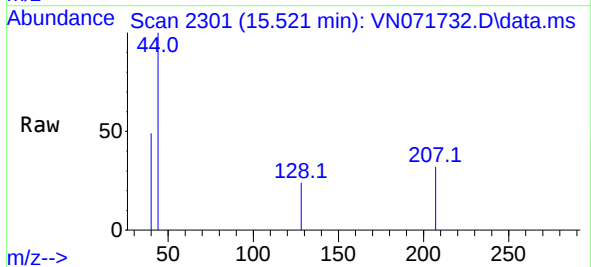
Instrument :
MSVOA_N
ClientSampleId :
MW-50D

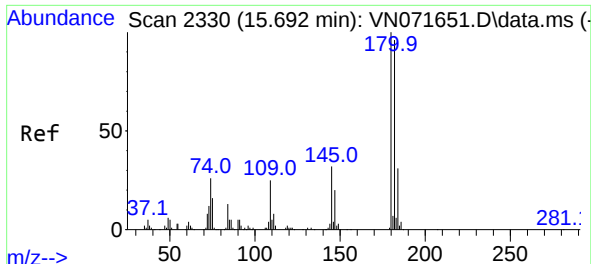
Tgt Ion:180 Resp: 57
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.5#
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 3.830 ug/l
RT: 15.521 min Scan# 2301
Delta R.T. 0.023 min
Lab File: VN071732.D
Acq: 01 Apr 2022 03:15

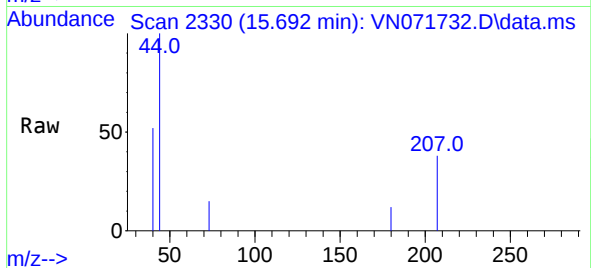
Tgt Ion:128 Resp: 528
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.425 ug/l
 RT: 15.692 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN071732.D
 Acq: 01 Apr 2022 03:15

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-50D



Tgt Ion:	180	Resp:	67
Ion	Ratio	Lower	Upper
180	100		
182	120.9	47.8	143.3
145	0.0	15.5	46.5#

