

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072722\
 Data File : VN073608.D
 Acq On : 27 Jul 2022 15:38
 Operator : JC\MD
 Sample : N3877-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-049-IDWGW-20220722

Quant Time: Jul 27 16:14:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 27 13:35:03 2022
 Response via : Initial Calibration

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

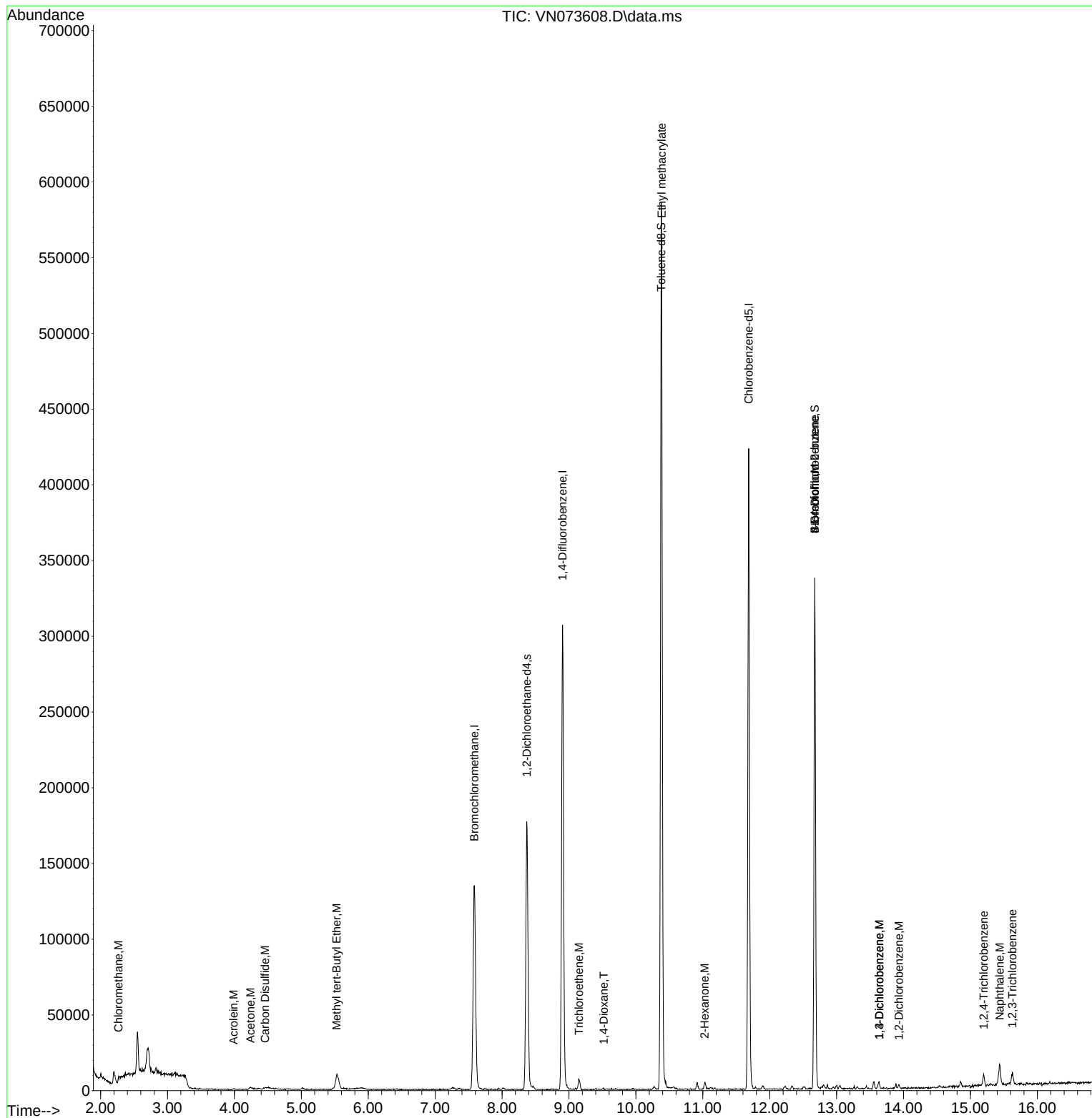
Internal Standards						
1) Bromochloromethane	7.586	128	53648	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	278630	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.686	117	244949	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	145092	31.280	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.267%
60) 4-Bromofluorobenzene	12.674	95	106875	24.642	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	82.133%
63) Toluene-d8	10.380	98	411708	29.850	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.500%
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	1154	0.239	ug/l #	56
13) Acrolein	3.987	56	472	0.470	ug/l #	72
15) Acetone	4.240	58	389	0.531	ug/l #	1
16) Carbon Disulfide	4.457	76	1961	0.214	ug/l #	73
24) Methyl tert-Butyl Ether	5.528	73	8609	0.727	ug/l #	70
37) Trichloroethene	9.151	130	2638	0.636	ug/l	95
45) 1,4-Dioxane	9.522	88	267	2.357	ug/l #	1
51) Ethyl methacrylate	10.386	69	1319	0.203	ug/l	83
56) Bromoform	12.674	173	1201	0.349	ug/l #	1
59) 2-Hexanone	11.027	43	3333	0.683	ug/l #	92
77) t-1,4-Dichloro-2-butene	12.674	75	55888	29.546	ug/l #	8
83) 1,3-Dichlorobenzene	13.639	146	2071	0.258	ug/l	89
84) 1,4-Dichlorobenzene	13.639	146	2071	0.267	ug/l	91
87) 1,2-Dichlorobenzene	13.933	146	1685	0.207	ug/l	79
89) 1,2,4-Trichlorobenzene	15.198	180	3228	0.722	ug/l #	16
91) Naphthalene	15.439	128	15237	1.038	ug/l #	72
92) 1,2,3-Trichlorobenzene	15.627	180	3453	0.752	ug/l	87

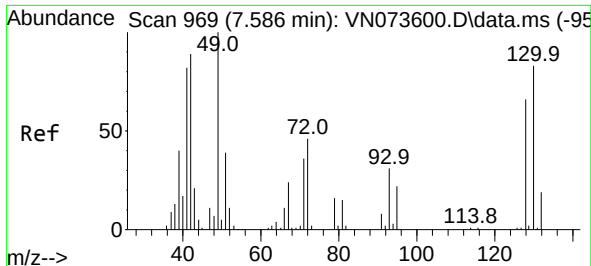
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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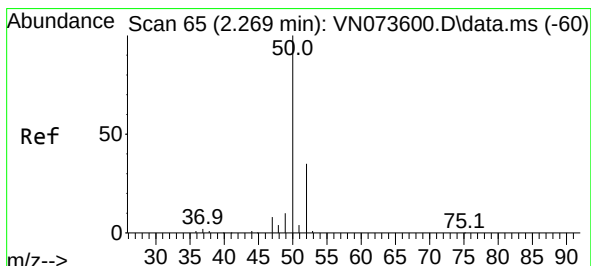
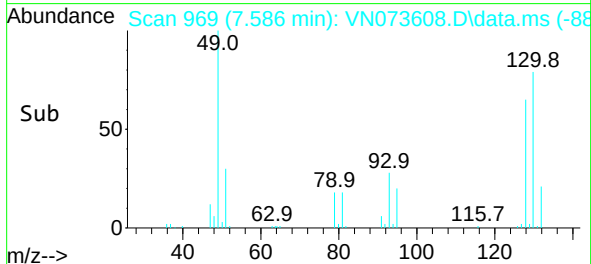
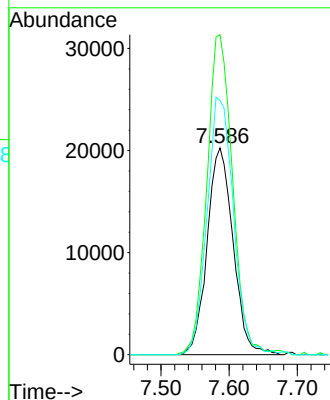
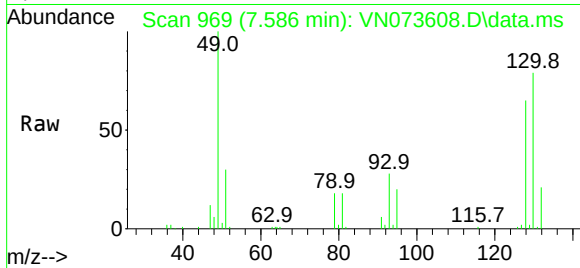




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.586 min Scan# 969
Delta R.T. 0.000 min
Lab File: VN073608.D
Acq: 27 Jul 2022 15:38

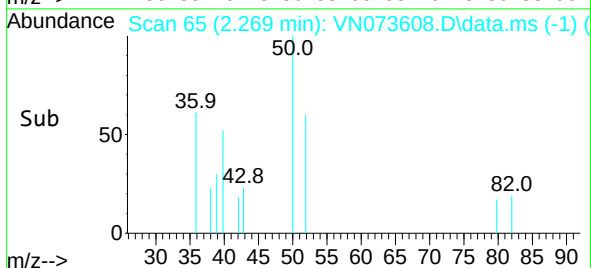
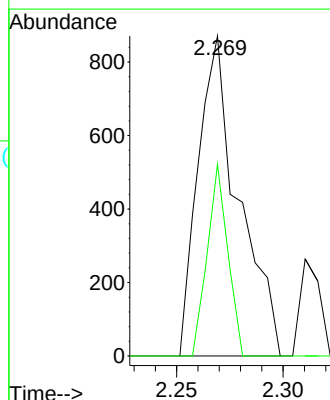
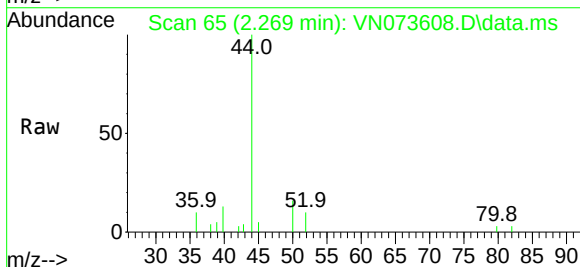
Instrument :
MSVOA_N
ClientSampleId :
TT-049-IDWGW-20220722

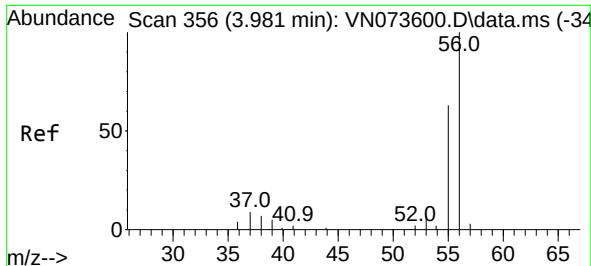
Tgt Ion:	128	Resp:	53648
Ion	Ratio	Lower	Upper
128	100		
49	151.1	0.0	392.3
130	126.6	0.0	320.2



#3
Chloromethane
Concen: 0.239 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073608.D
Acq: 27 Jul 2022 15:38

Tgt Ion:	50	Resp:	1154
Ion	Ratio	Lower	Upper
50	100		
52	59.9	27.8	41.6

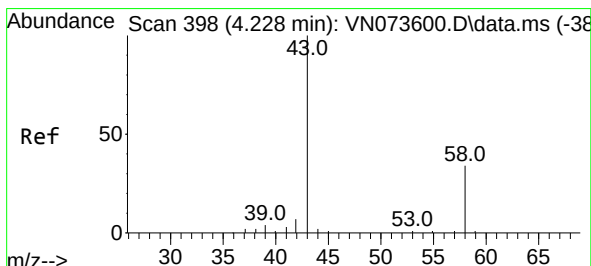
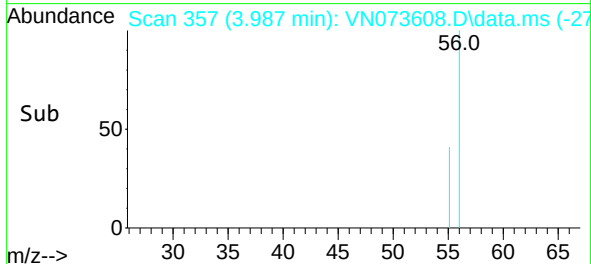
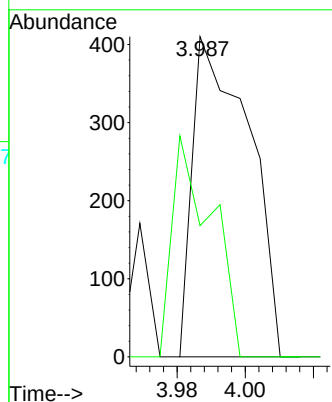
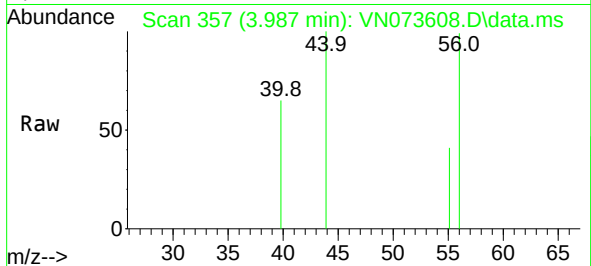




#13
Acrolein
Concen: 0.470 ug/l
RT: 3.987 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN073608.D
Acq: 27 Jul 2022 15:38

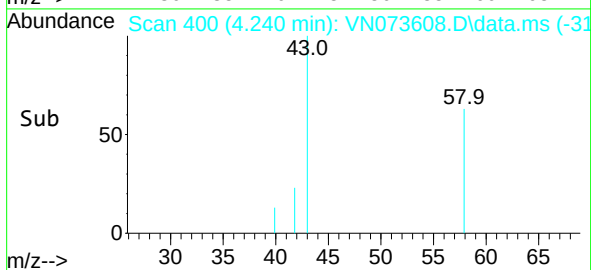
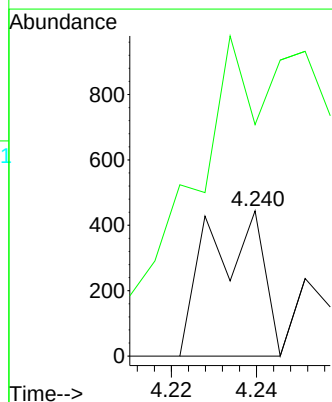
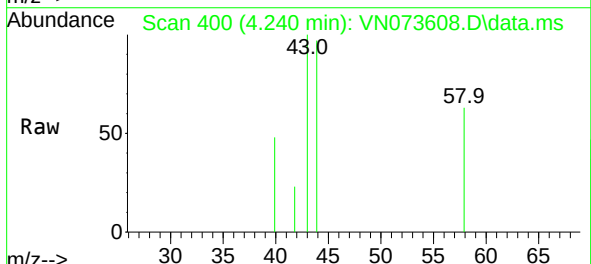
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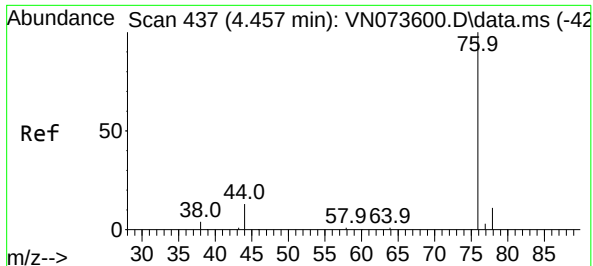
Tgt Ion: 56 Resp: 472
Ion Ratio Lower Upper
56 100
55 48.3 57.6 86.4#



#15
Acetone
Concen: 0.531 ug/l
RT: 4.240 min Scan# 400
Delta R.T. 0.012 min
Lab File: VN073608.D
Acq: 27 Jul 2022 15:38

Tgt Ion: 58 Resp: 389
Ion Ratio Lower Upper
58 100
43 41.4 256.6 384.8#

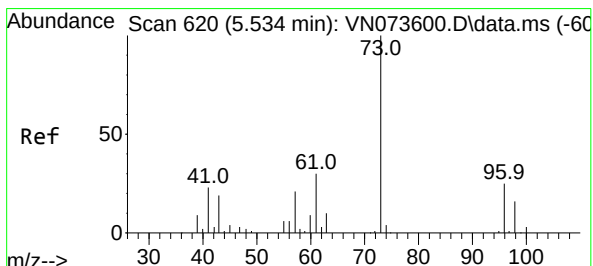
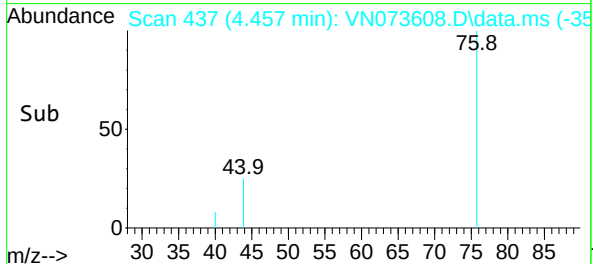
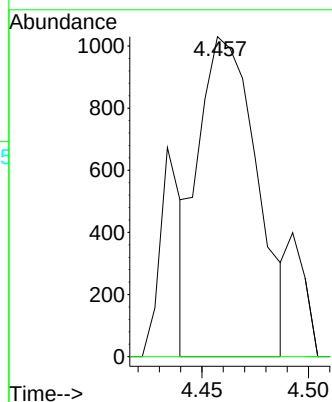
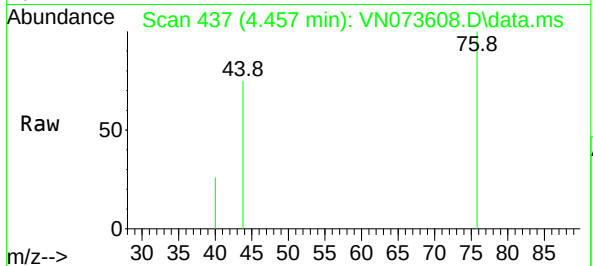




#16
Carbon Disulfide
Concen: 0.214 ug/l
RT: 4.457 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN073608.D
Acq: 27 Jul 2022 15:38

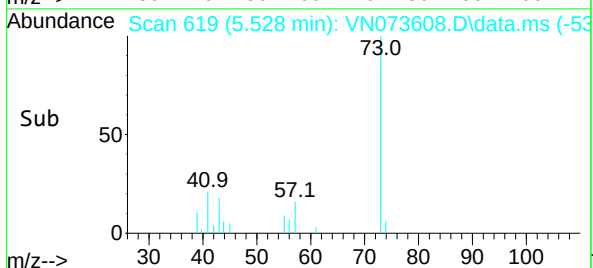
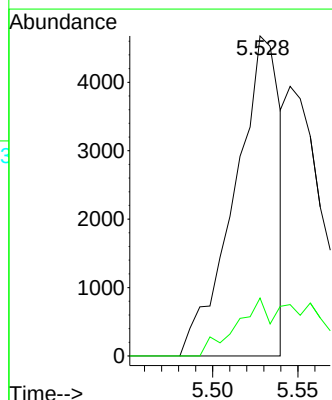
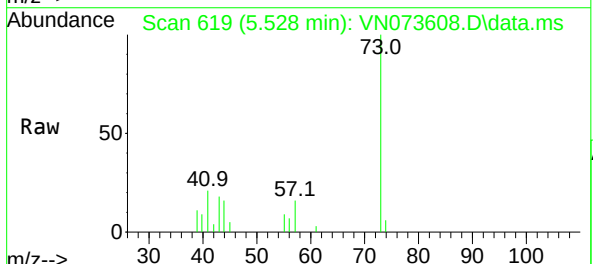
Instrument :
MSVOA_N
ClientSampleId :
TT-049-IDWGW-20220722

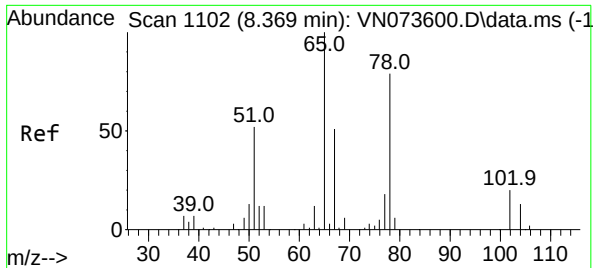
Tgt Ion: 76 Resp: 1961
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.8#



#24
Methyl tert-Butyl Ether
Concen: 0.727 ug/l
RT: 5.528 min Scan# 619
Delta R.T. -0.006 min
Lab File: VN073608.D
Acq: 27 Jul 2022 15:38

Tgt Ion: 73 Resp: 8609
Ion Ratio Lower Upper
73 100
43 8.1 18.1 27.1#





#27

1,2-Dichloroethane-d4

Concen: 31.280 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN073608.D

Acq: 27 Jul 2022 15:38

Instrument :

MSVOA_N

ClientSampleId :

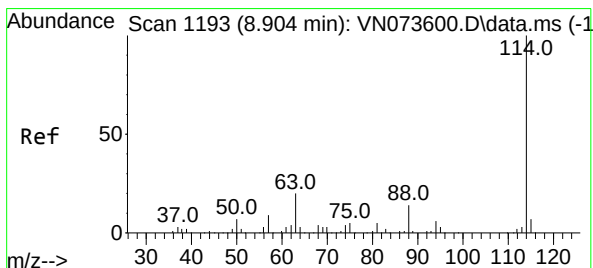
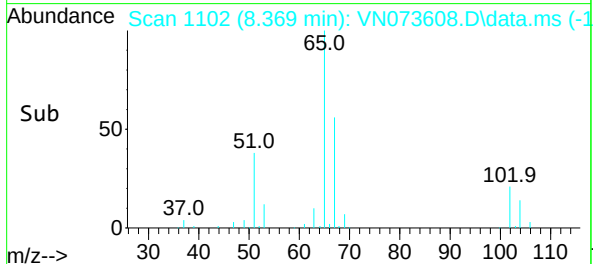
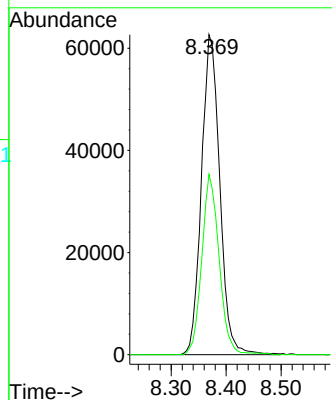
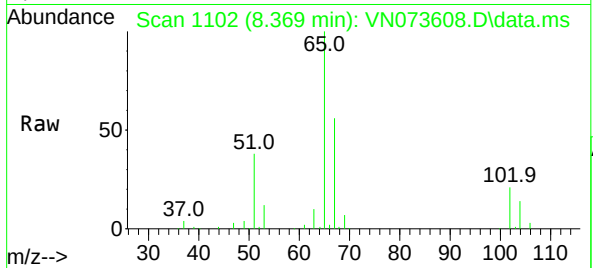
TT-049-IDWGW-20220722

Tgt Ion: 65 Resp: 145092

Ion Ratio Lower Upper

65 100

67 52.9 40.2 60.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN073608.D

Acq: 27 Jul 2022 15:38

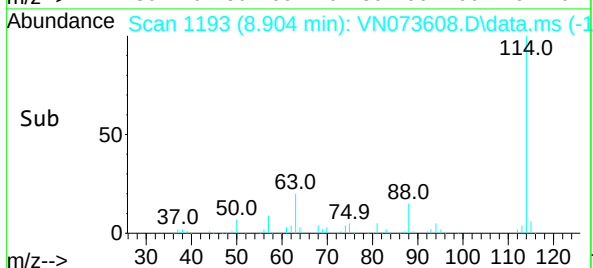
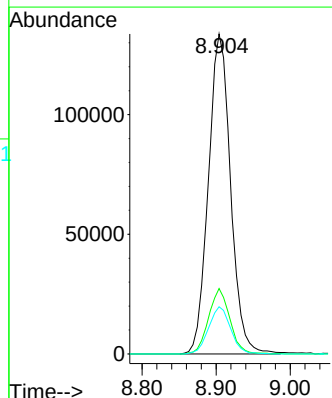
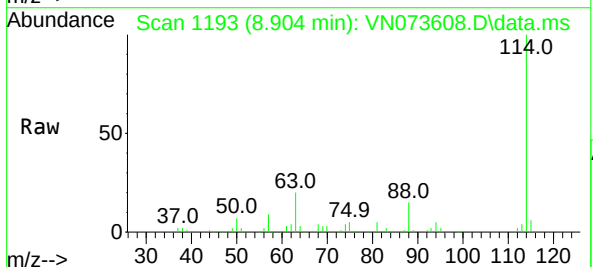
Tgt Ion: 114 Resp: 278630

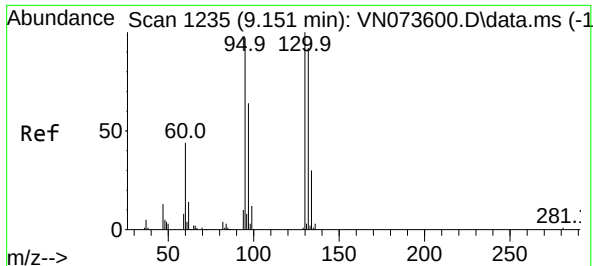
Ion Ratio Lower Upper

114 100

63 19.5 15.8 23.6

88 14.6 11.6 17.4





#37

Trichloroethene

Concen: 0.636 ug/l

RT: 9.151 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VN073608.D

Acq: 27 Jul 2022 15:38

Instrument :

MSVOA_N

ClientSampleId :

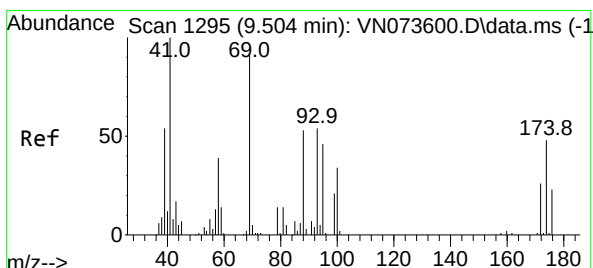
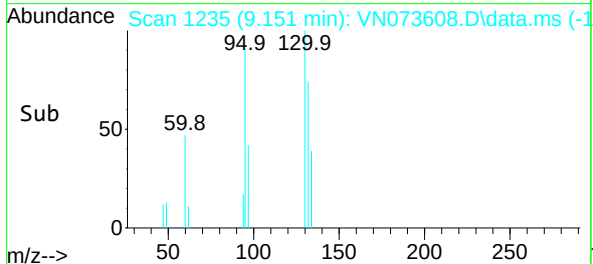
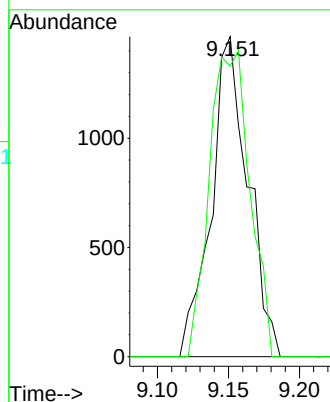
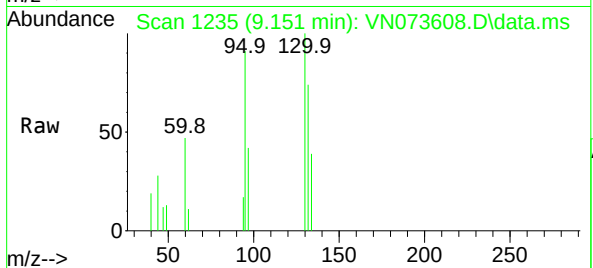
TT-049-IDWGW-20220722

Tgt Ion:130 Resp: 2638

Ion Ratio Lower Upper

130 100

95 90.9 76.6 115.0



#45

1,4-Dioxane

Concen: 2.357 ug/l

RT: 9.522 min Scan# 1298

Delta R.T. 0.018 min

Lab File: VN073608.D

Acq: 27 Jul 2022 15:38

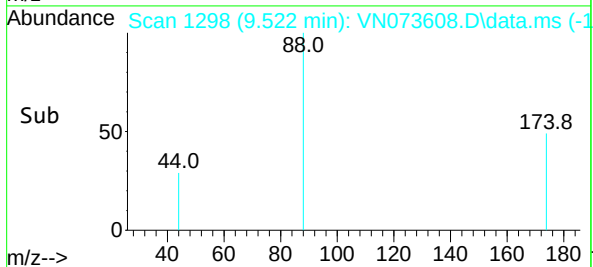
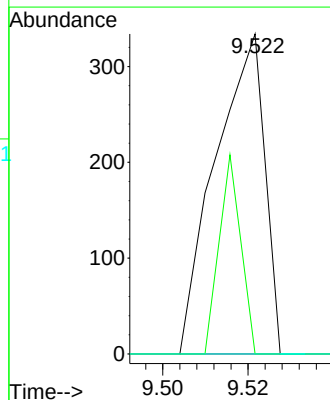
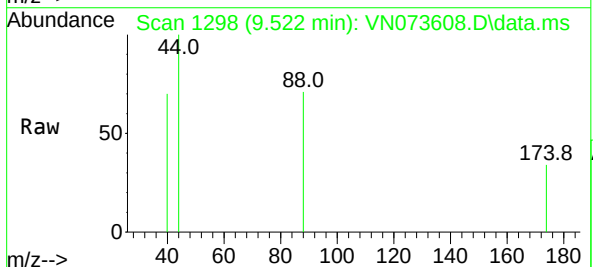
Tgt Ion: 88 Resp: 267

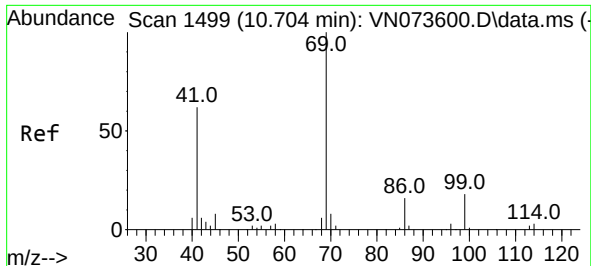
Ion Ratio Lower Upper

88 100

43 143.8 25.0 37.6#

58 0.0 49.4 74.2#

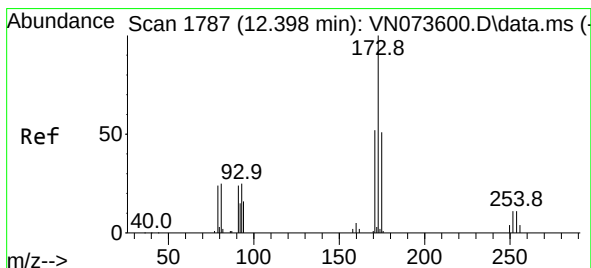
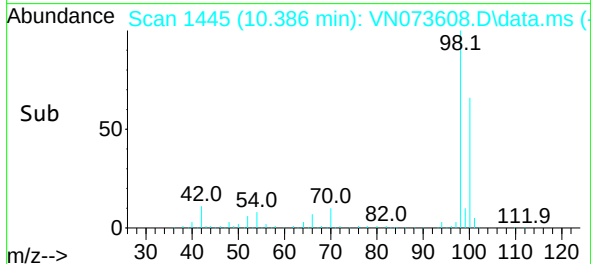
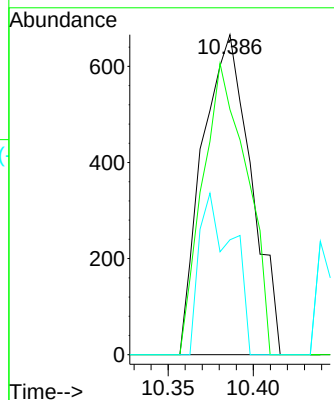
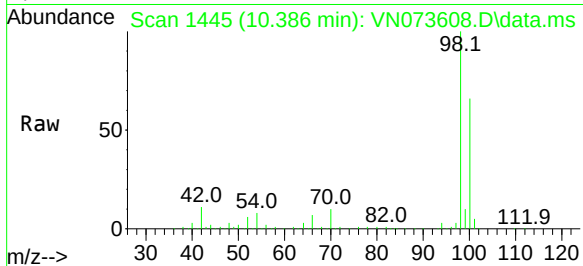




#51
Ethyl methacrylate
Concen: 0.203 ug/l
RT: 10.386 min Scan# 1499
Delta R.T. -0.318 min
Lab File: VN073608.D
Acq: 27 Jul 2022 15:38

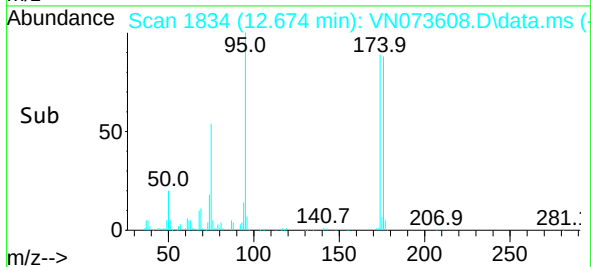
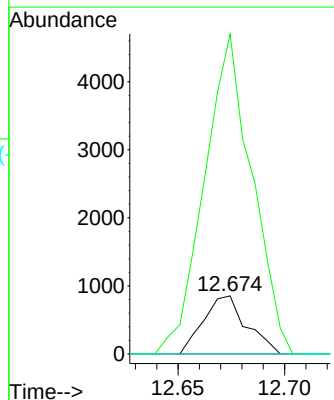
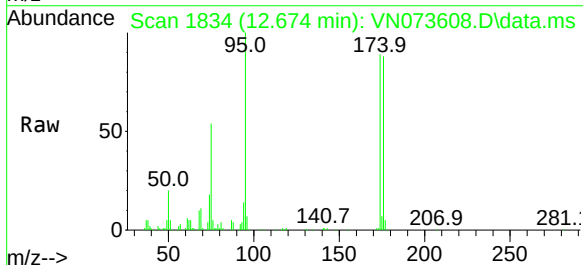
Instrument : MSVOA_N
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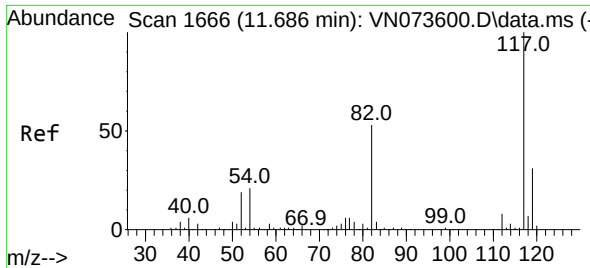
Tgt Ion:	69	Resp:	1319
Ion	Ratio	Lower	Upper
69	100		
41	76.6	33.0	98.9
39	35.9	25.4	76.4



#56
Bromoform
Concen: 0.349 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.277 min
Lab File: VN073608.D
Acq: 27 Jul 2022 15:38

Tgt Ion:	173	Resp:	1201
Ion	Ratio	Lower	Upper
173	100		
175	608.7	38.6	58.0#
254	0.0	0.0	0.0

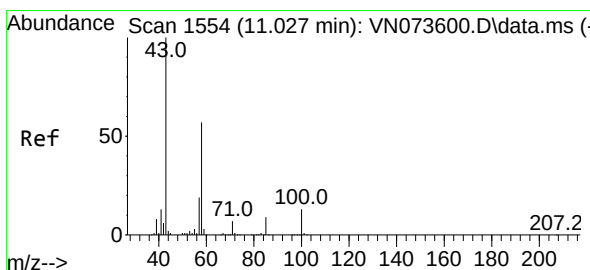
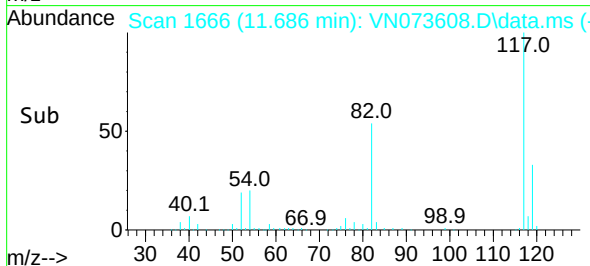
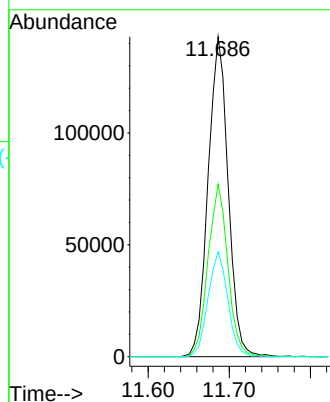
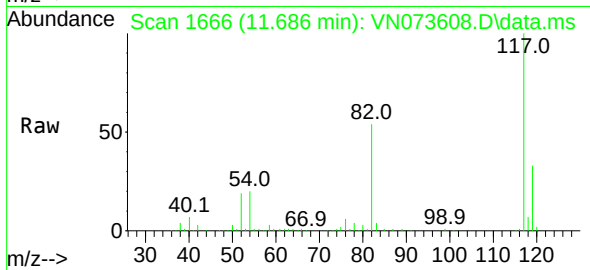




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN073608.D
Acq: 27 Jul 2022 15:38

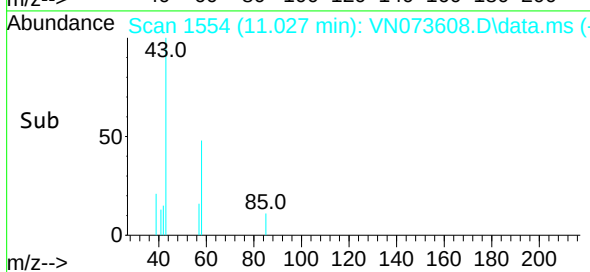
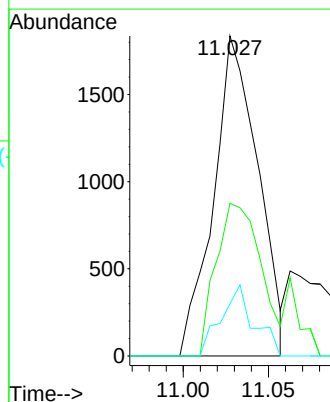
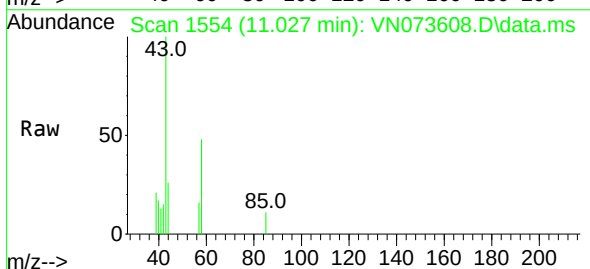
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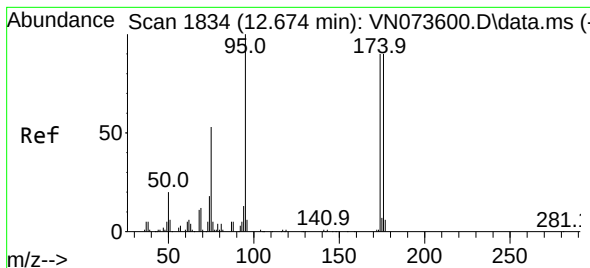
Tgt Ion:117 Resp: 244949
Ion Ratio Lower Upper
117 100
82 53.4 43.6 65.4
119 32.3 25.8 38.6



#59
2-Hexanone
Concen: 0.683 ug/l
RT: 11.027 min Scan# 1554
Delta R.T. 0.000 min
Lab File: VN073608.D
Acq: 27 Jul 2022 15:38

Tgt Ion: 43 Resp: 3333
Ion Ratio Lower Upper
43 100
58 48.4 42.2 63.2
57 13.0 15.0 22.4#





#60

4-Bromofluorobenzene

Concen: 24.642 ug/l

RT: 12.674 min Scan# 1834

Delta R.T. 0.000 min

Lab File: VN073608.D

Acq: 27 Jul 2022 15:38

Instrument :

MSVOA_N

ClientSampleId :

TT-049-IDWGW-20220722

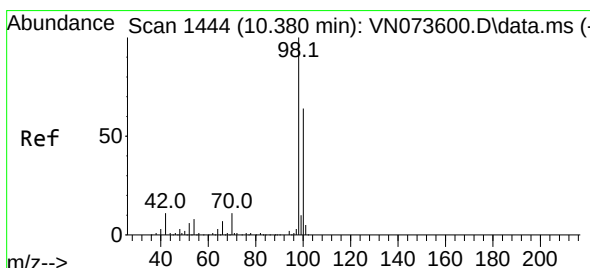
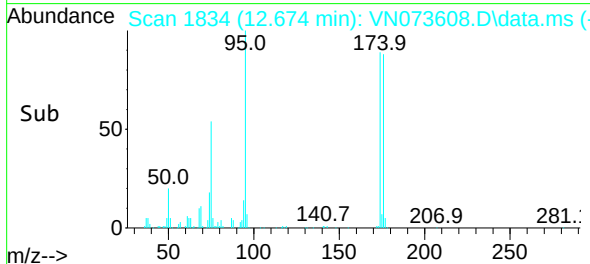
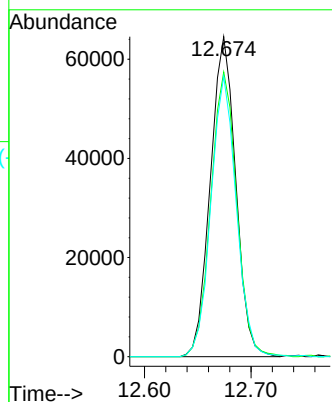
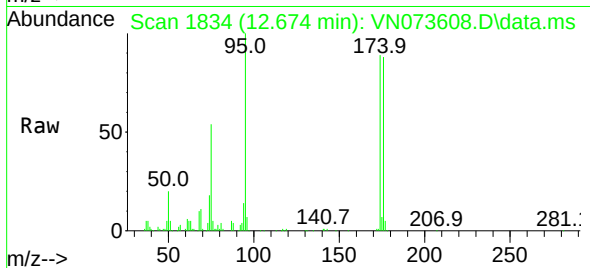
Tgt Ion: 95 Resp: 106875

Ion Ratio Lower Upper

95 100

174 90.7 62.9 94.3

176 87.2 61.0 91.4



#63

Toluene-d8

Concen: 29.850 ug/l

RT: 10.380 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN073608.D

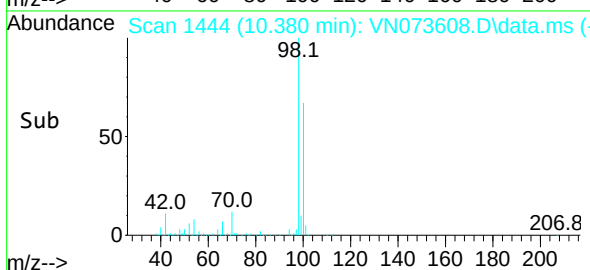
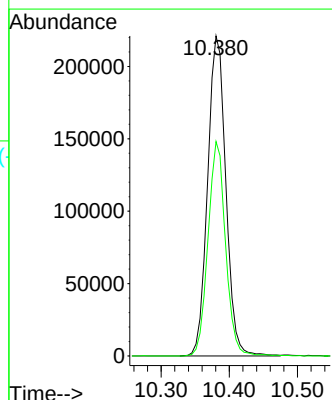
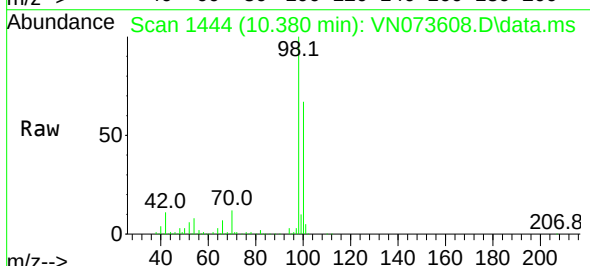
Acq: 27 Jul 2022 15:38

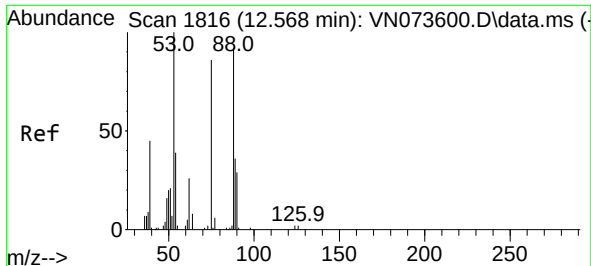
Tgt Ion: 98 Resp: 411708

Ion Ratio Lower Upper

98 100

100 64.1 50.6 76.0

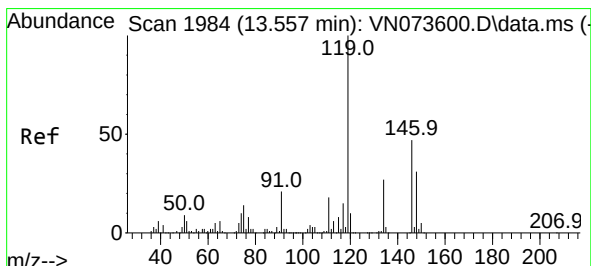
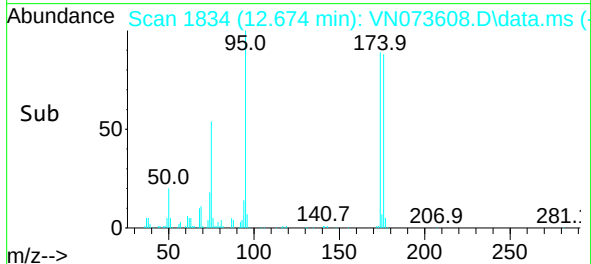
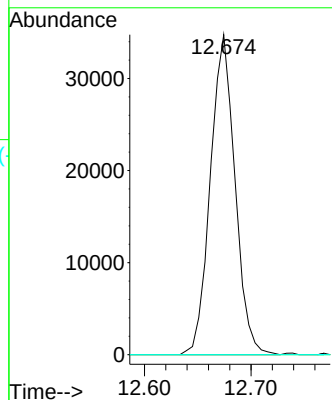
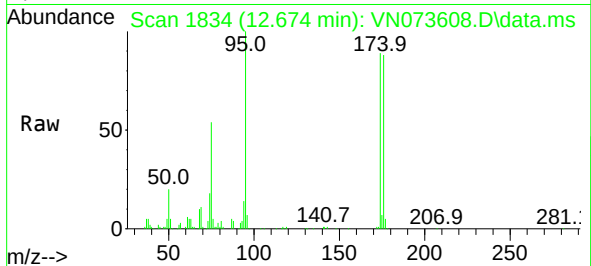




#77
t-1,4-Dichloro-2-butene
Concen: 29.546 ug/l
RT: 12.674 min Scan# 1816
Delta R.T. 0.106 min
Lab File: VN073608.D
Acq: 27 Jul 2022 15:38

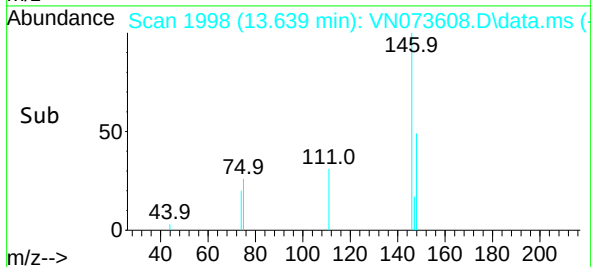
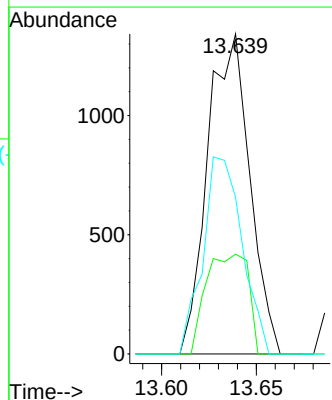
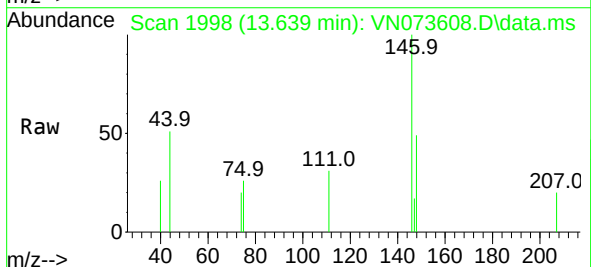
Instrument :
MSVOA_N
ClientSampleId :
TT-049-IDWGW-20220722

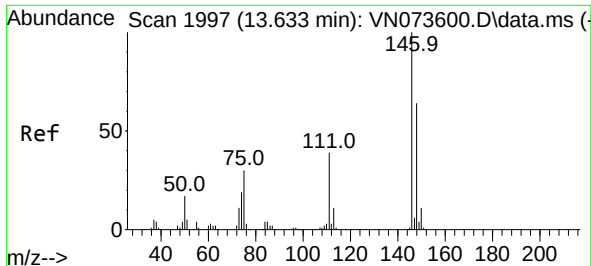
Tgt Ion: 75 Resp: 55888
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#



#83
1,3-Dichlorobenzene
Concen: 0.258 ug/l
RT: 13.639 min Scan# 1998
Delta R.T. 0.082 min
Lab File: VN073608.D
Acq: 27 Jul 2022 15:38

Tgt Ion: 146 Resp: 2071
Ion Ratio Lower Upper
146 100
111 31.4 20.8 62.2
148 57.5 31.4 94.3

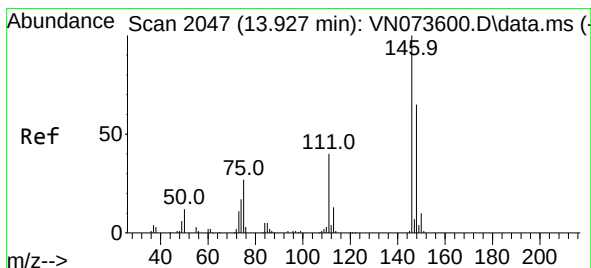
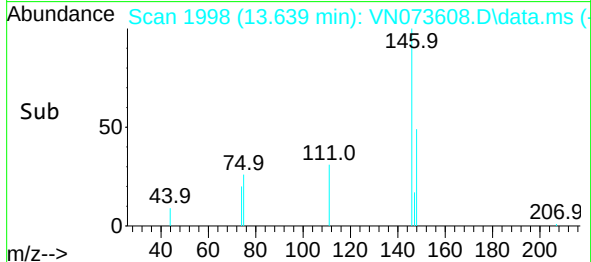
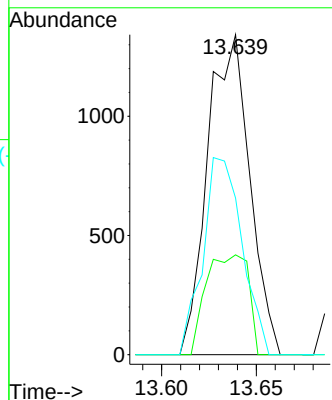
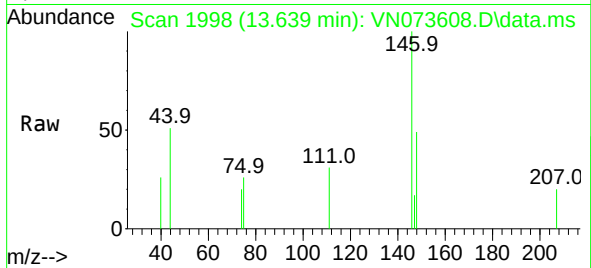




#84
1,4-Dichlorobenzene
Concen: 0.267 ug/l
RT: 13.639 min Scan# 1998
Delta R.T. 0.006 min
Lab File: VN073608.D
Acq: 27 Jul 2022 15:38

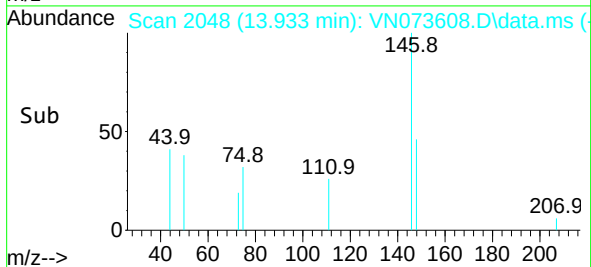
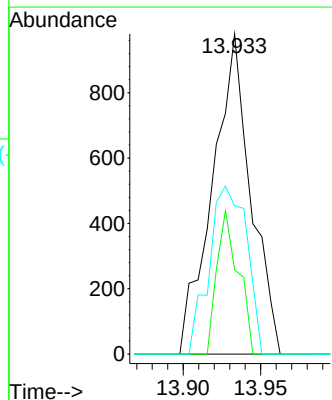
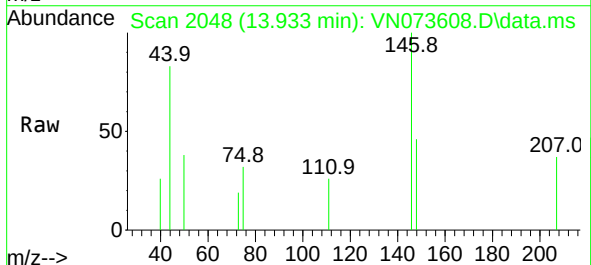
Instrument :
MSVOA_N
ClientSampleId :
TT-049-IDWGW-20220722

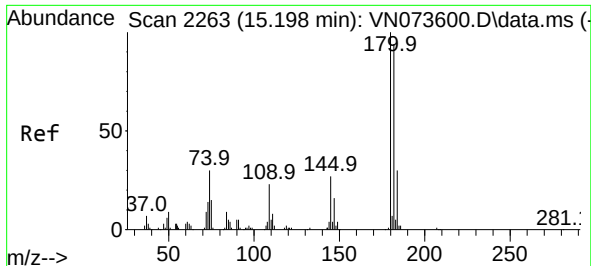
Tgt Ion:146	Resp:	2071
Ion Ratio	Lower	Upper
146	100	
111	31.4	19.5 58.5
148	57.5	31.1 93.5



#87
1,2-Dichlorobenzene
Concen: 0.207 ug/l
RT: 13.933 min Scan# 2048
Delta R.T. 0.006 min
Lab File: VN073608.D
Acq: 27 Jul 2022 15:38

Tgt Ion:146	Resp:	1685
Ion Ratio	Lower	Upper
146	100	
111	25.0	21.4 64.2
148	51.5	32.5 97.4

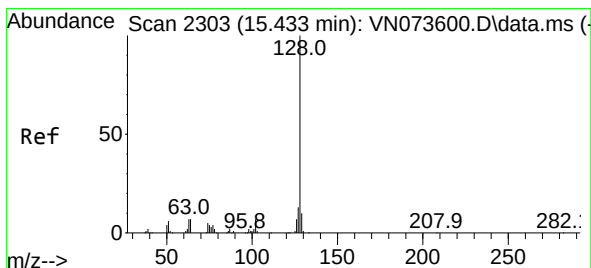
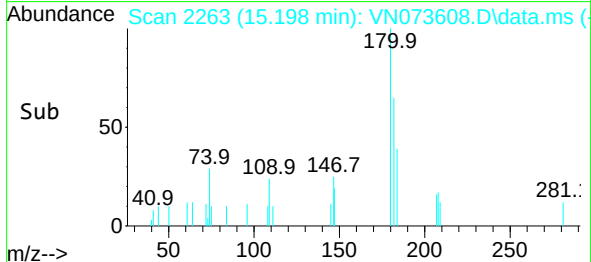
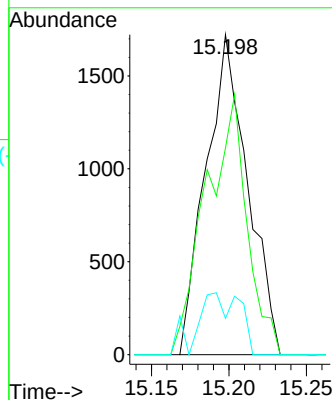
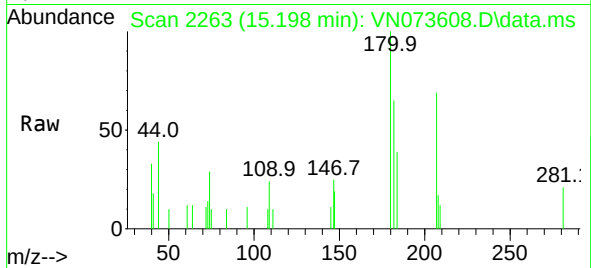




#89
1,2,4-Trichlorobenzene
Concen: 0.722 ug/l
RT: 15.198 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN073608.D
Acq: 27 Jul 2022 15:38

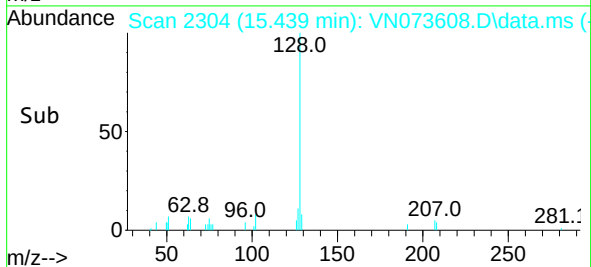
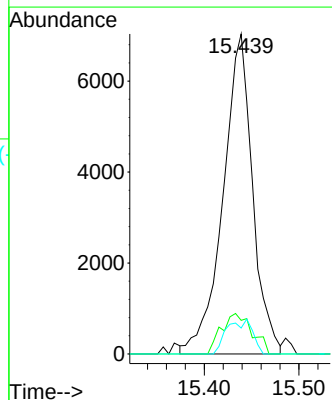
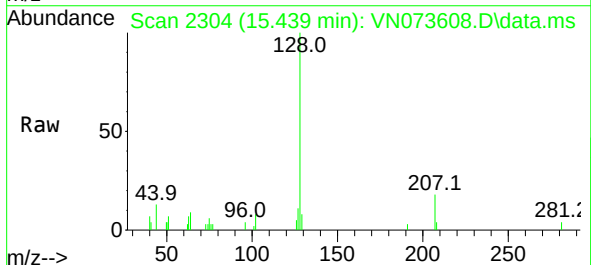
Instrument :
MSVOA_N
ClientSampleId :
TT-049-IDWGW-20220722

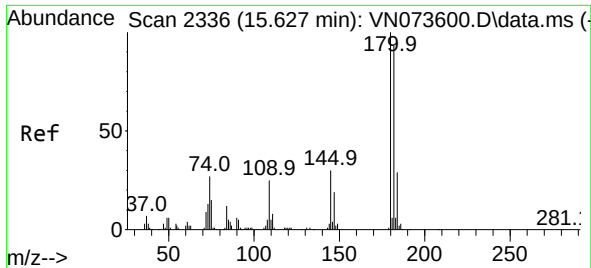
Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	77.7	116.5#
145	11.0	26.6	39.8#



#91
Naphthalene
Concen: 1.038 ug/l
RT: 15.439 min Scan# 2304
Delta R.T. 0.006 min
Lab File: VN073608.D
Acq: 27 Jul 2022 15:38

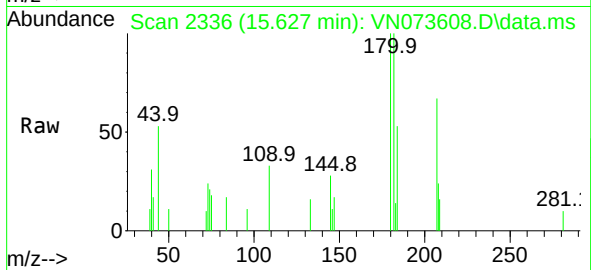
Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	3.5	9.0	13.6#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.752 ug/l
 RT: 15.627 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN073608.D
 Acq: 27 Jul 2022 15:38

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-049-IDWGW-20220722



Tgt Ion:	180	Resp:	3453
Ion	Ratio	Lower	Upper
180	100		
182	108.0	0.0	190.0
145	26.5	0.0	67.8

