

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072922\
 Data File : VN073629.D
 Acq On : 29 Jul 2022 12:10
 Operator : JC\MD
 Sample : VN0729WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0729WBL01

Quant Time: Aug 01 03:36:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 27 18:07:26 2022
 Response via : Initial Calibration

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

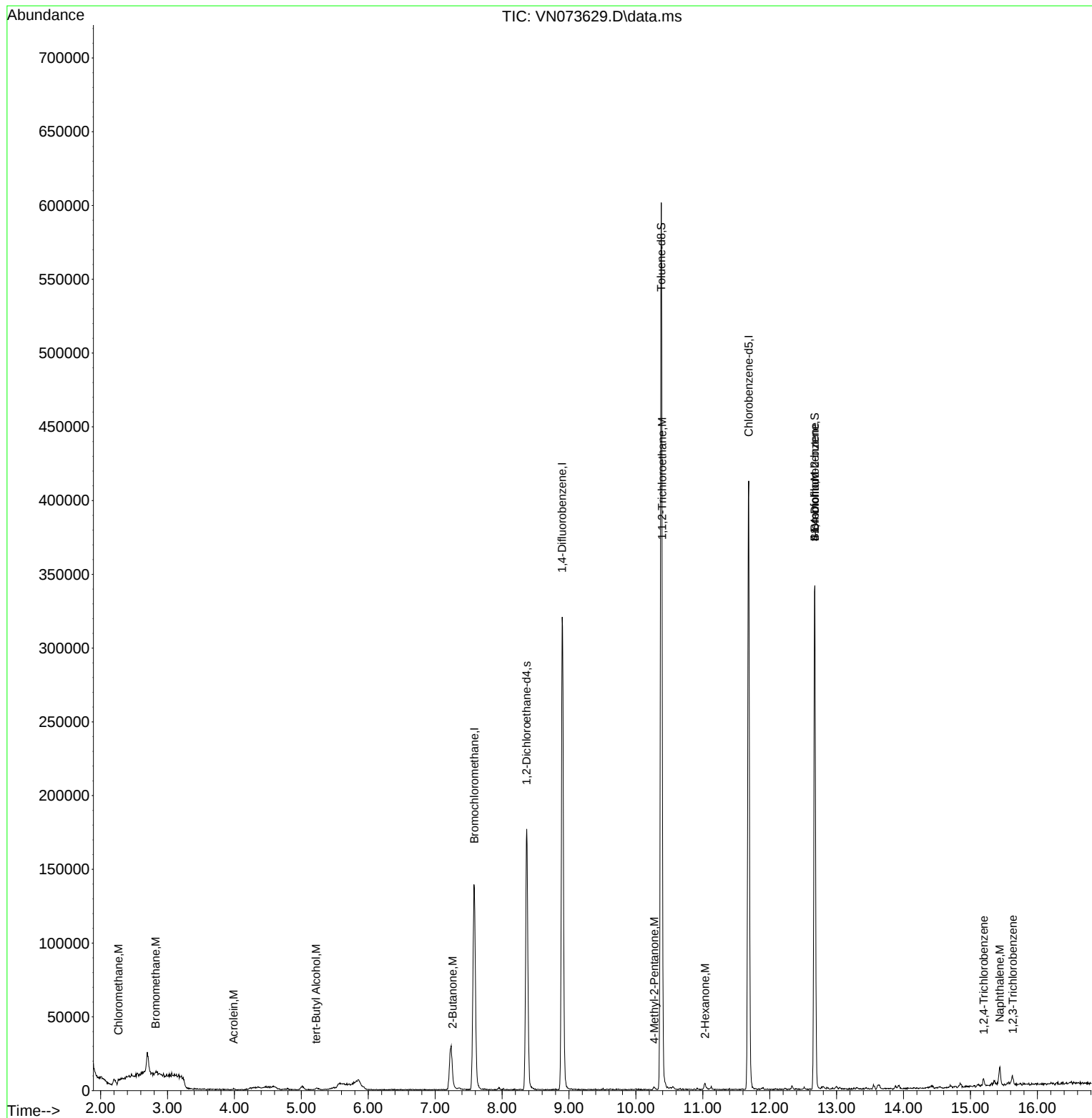
Internal Standards						
1) Bromochloromethane	7.586	128	58072	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.898	114	303886	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.686	117	254455	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	147556	29.388	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.967%		
60) 4-Bromofluorobenzene	12.674	95	115578	25.653	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	85.500%		
63) Toluene-d8	10.380	98	432751	30.203	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.667%		
Target Compounds						Qvalue
3) Chloromethane	2.269	50	1130	0.217	ug/l	93
5) Bromomethane	2.822	94	770	0.237	ug/l	87
13) Acrolein	3.987	56	288	0.265	ug/l	94
23) tert-Butyl Alcohol	5.222	59	432	0.429	ug/l #	100
30) 2-Butanone	7.263	43	2145	0.546	ug/l #	69
50) 1,1,2-Trichloroethane	10.392	97	12784	2.709	ug/l #	1
56) Bromoform	12.674	173	1139	0.303	ug/l #	1
58) 4-Methyl-2-Pentanone	10.275	43	1720	0.261	ug/l #	67
59) 2-Hexanone	11.033	43	3604	0.711	ug/l	95
77) t-1,4-Dichloro-2-butene	12.674	75	58343	29.691	ug/l #	8
89) 1,2,4-Trichlorobenzene	15.198	180	2085	0.449	ug/l	93
91) Naphthalene	15.439	128	12568	0.824	ug/l	98
92) 1,2,3-Trichlorobenzene	15.633	180	2678	0.561	ug/l	91

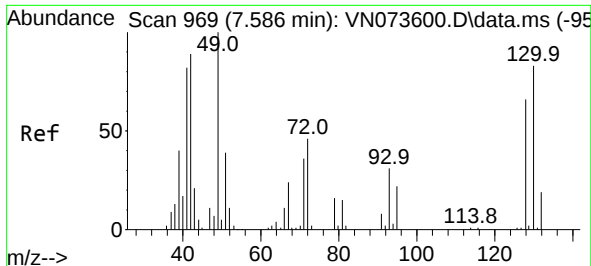
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072922\
Data File : VN073629.D
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Sample : VN0729WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0729WBL01

Quant Time: Aug 01 03:36:10 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072722W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 27 18:07:26 2022
Response via : Initial Calibration

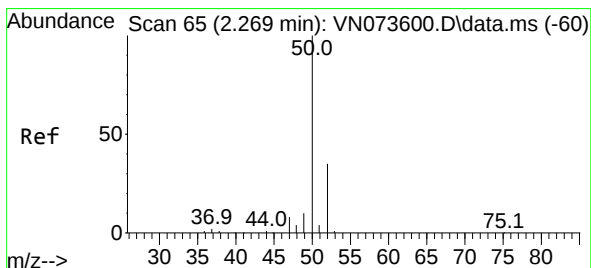
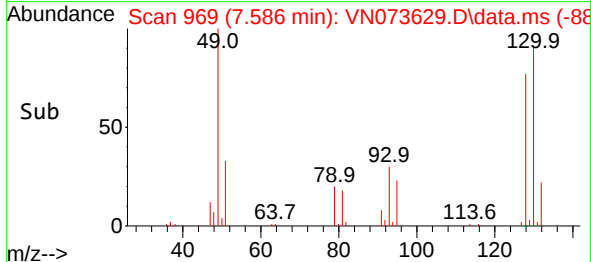
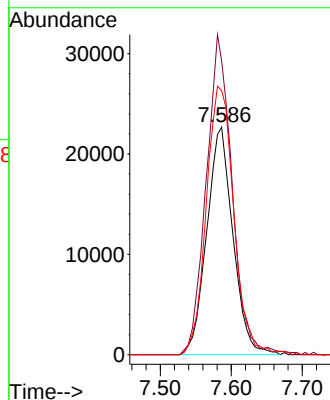
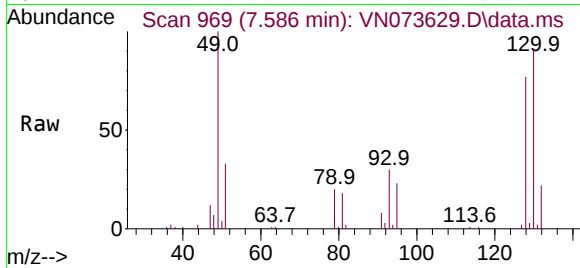




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.586 min Scan# 969
Delta R.T. 0.000 min
Lab File: VN073629.D
Acq: 29 Jul 2022 12:10

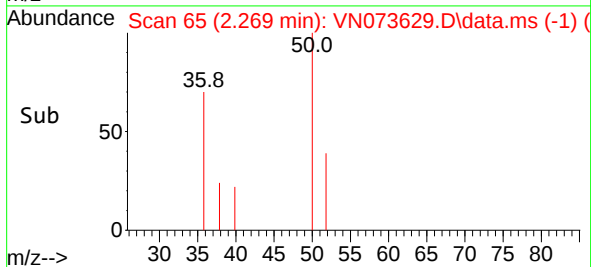
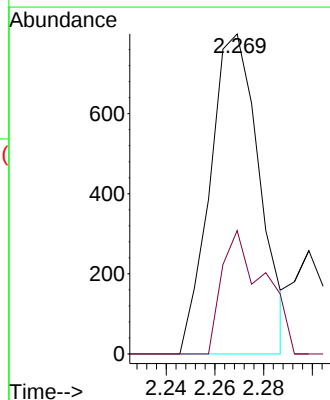
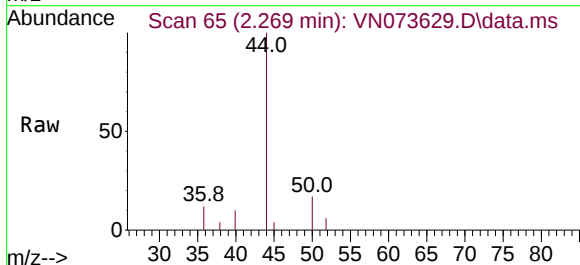
Instrument :
MSVOA_N
ClientSampleId :
VN0729WBL01

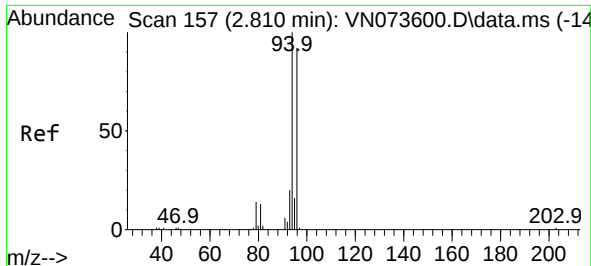
Tgt Ion:128 Resp: 58072
Ion Ratio Lower Upper
128 100
49 136.8 0.0 392.3
130 123.6 0.0 320.2



#3
Chloromethane
Concen: 0.217 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073629.D
Acq: 29 Jul 2022 12:10

Tgt Ion: 50 Resp: 1130
Ion Ratio Lower Upper
50 100
52 38.5 27.8 41.6

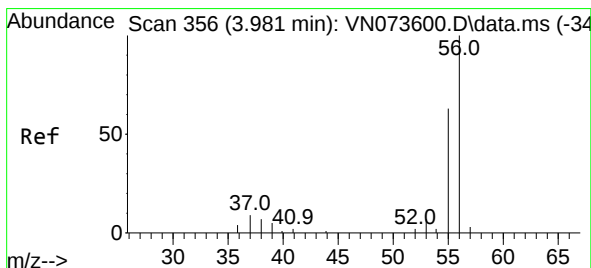
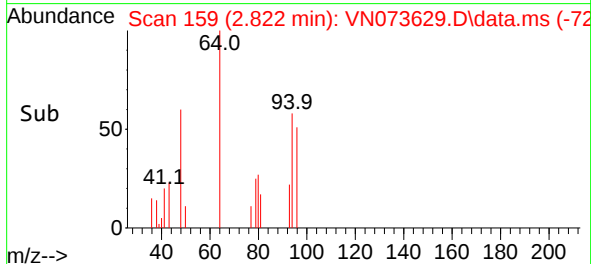
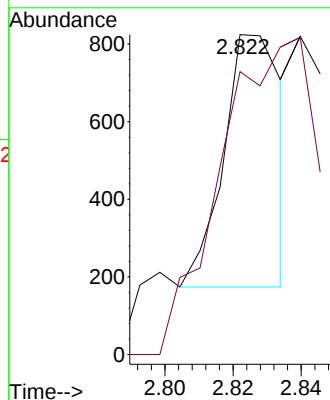
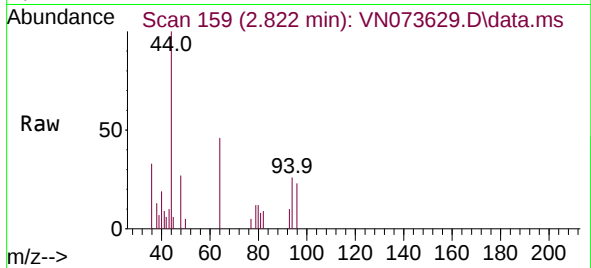




#5
Bromomethane
Concen: 0.237 ug/l
RT: 2.822 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN073629.D
Acq: 29 Jul 2022 12:10

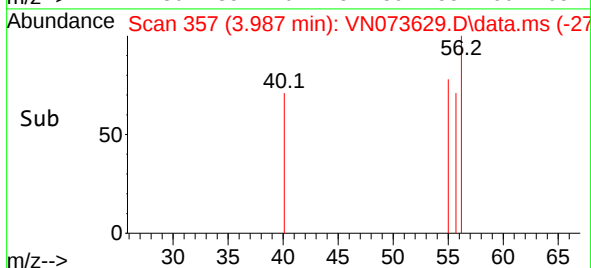
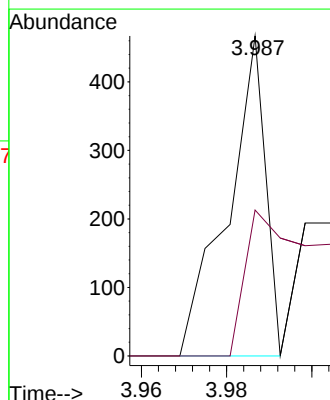
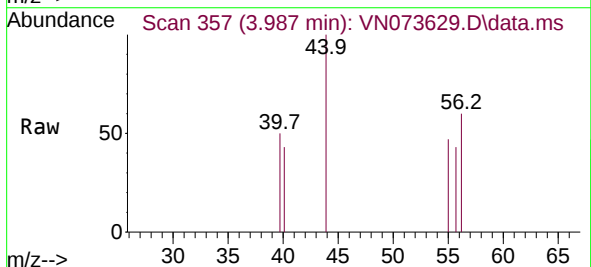
Instrument :
MSVOA_N
ClientSampleId :
VN0729WBL01

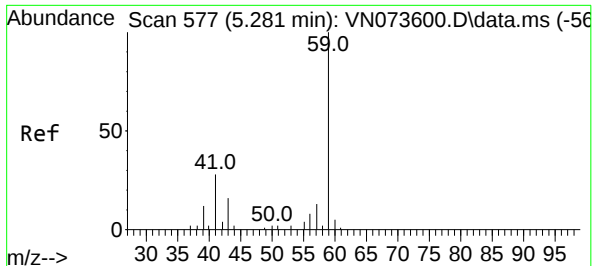
Tgt Ion: 94 Resp: 770
Ion Ratio Lower Upper
94 100
96 81.5 75.2 112.8



#13
Acrolein
Concen: 0.265 ug/l
RT: 3.987 min Scan# 357
Delta R.T. 0.006 min
Lab File: VN073629.D
Acq: 29 Jul 2022 12:10

Tgt Ion: 56 Resp: 288
Ion Ratio Lower Upper
56 100
55 67.0 57.6 86.4

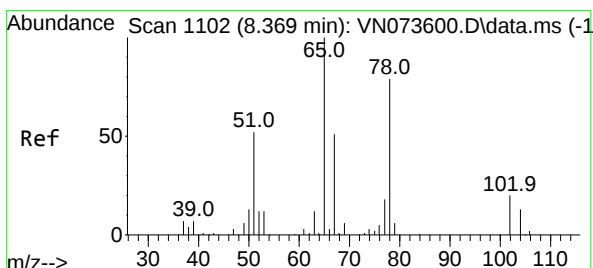
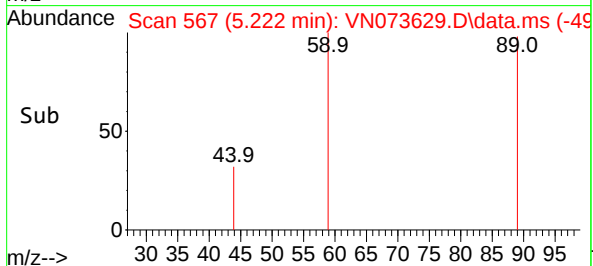
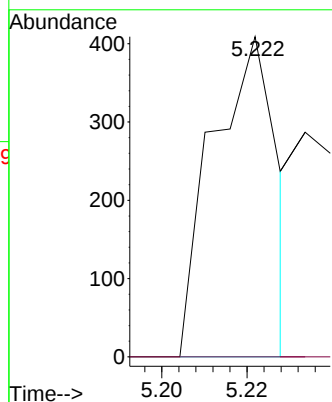
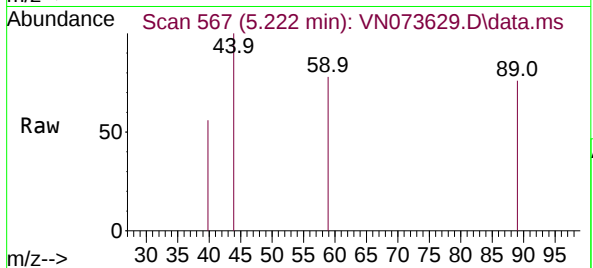




#23
tert-Butyl Alcohol
Concen: 0.429 ug/l
RT: 5.222 min Scan# 51
Delta R.T. -0.059 min
Lab File: VN073629.D
Acq: 29 Jul 2022 12:10

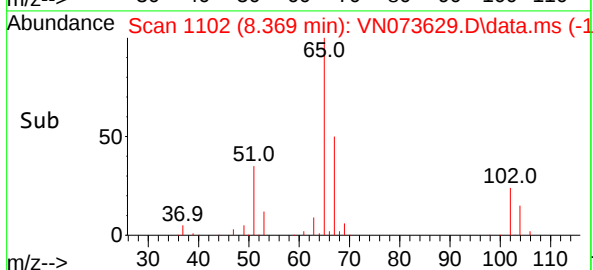
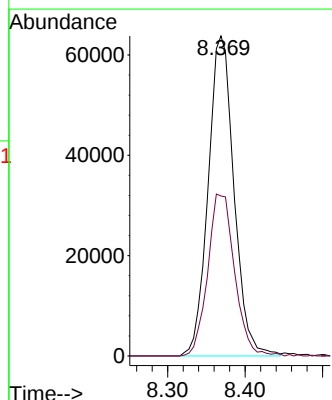
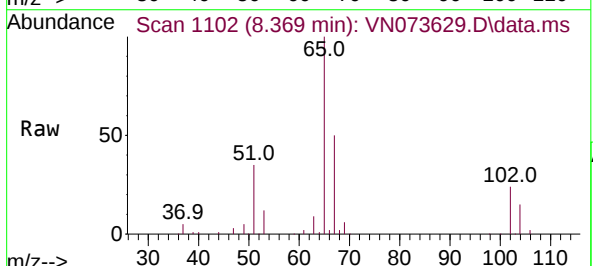
Instrument :
MSVOA_N
ClientSampleId :
VN0729WBL01

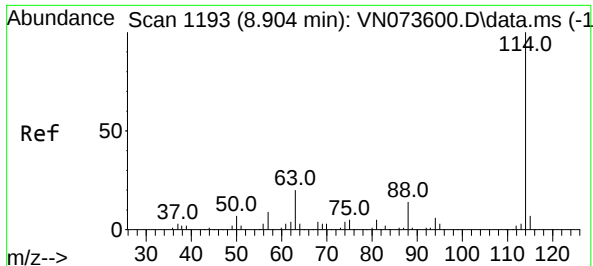
Tgt Ion: 59 Resp: 432
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 29.388 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN073629.D
Acq: 29 Jul 2022 12:10

Tgt Ion: 65 Resp: 147556
Ion Ratio Lower Upper
65 100
67 52.5 40.2 60.2

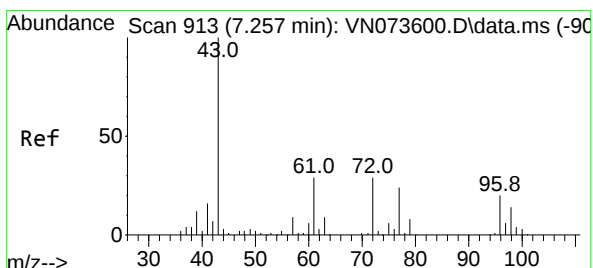
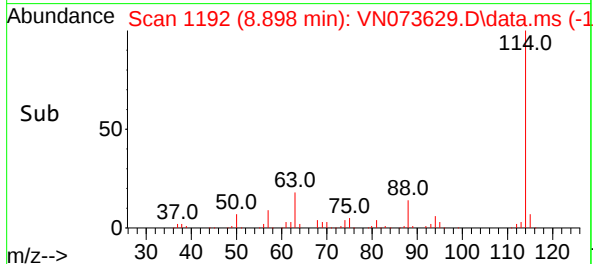
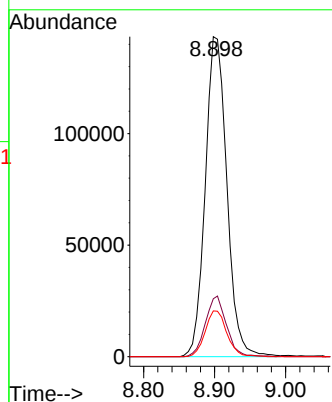
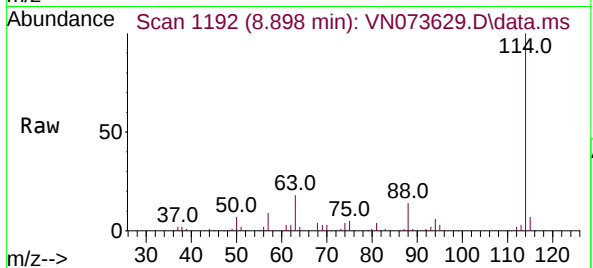




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.898 min Scan# 1192
Delta R.T. -0.006 min
Lab File: VN073629.D
Acq: 29 Jul 2022 12:10

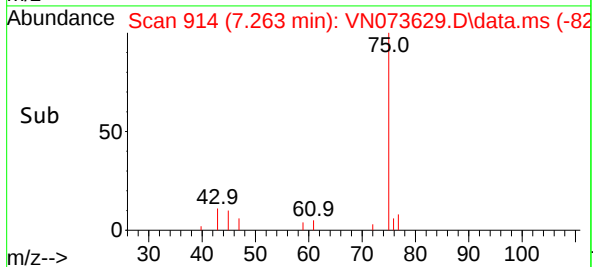
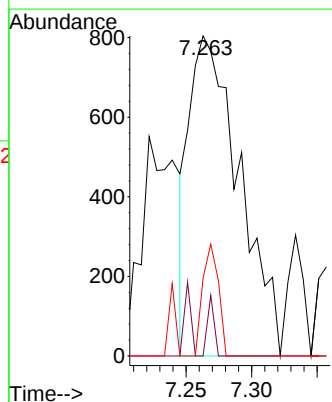
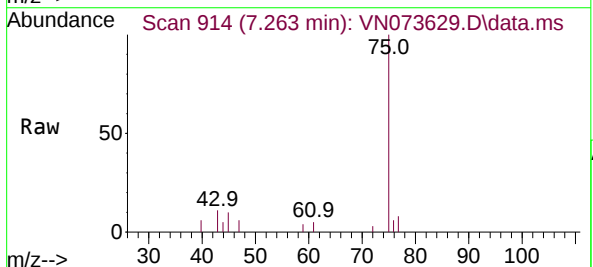
Instrument :
MSVOA_N
ClientSampleId :
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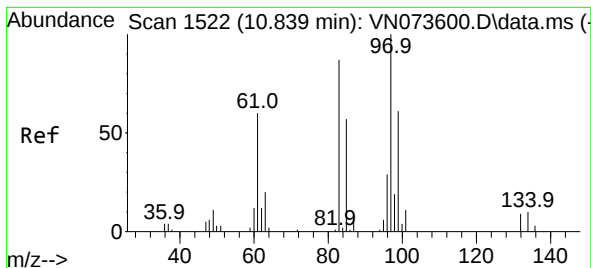
Tgt Ion:114 Resp: 303886
Ion Ratio Lower Upper
114 100
63 18.4 15.8 23.6
88 14.4 11.6 17.4



#30
2-Butanone
Concen: 0.546 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN073629.D
Acq: 29 Jul 2022 12:10

Tgt Ion: 43 Resp: 2145
Ion Ratio Lower Upper
43 100
57 0.0 6.7 10.1#
72 11.0 23.2 34.8#

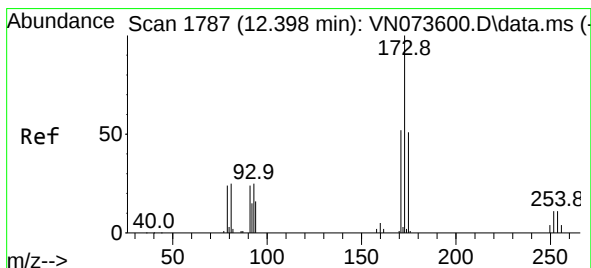
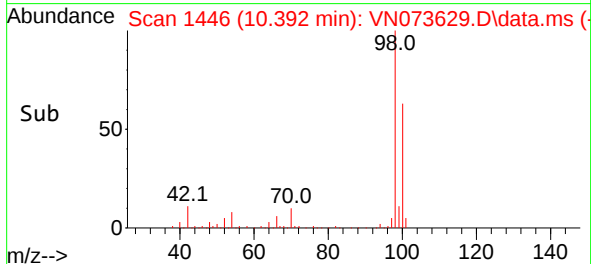
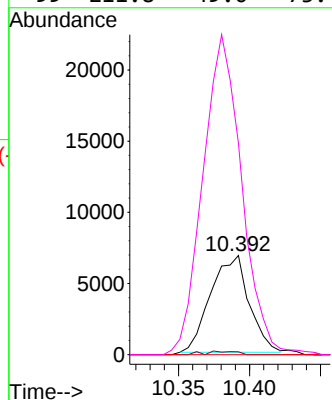
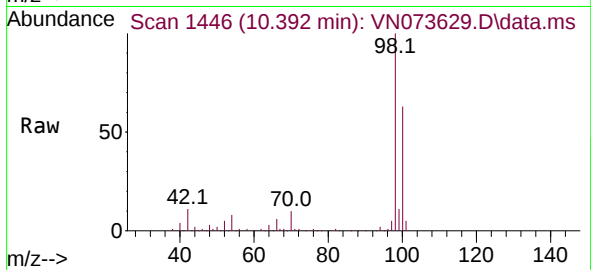




#50
1,1,2-Trichloroethane
Concen: 2.709 ug/l
RT: 10.392 min Scan# 146
Delta R.T. -0.447 min
Lab File: VN073629.D
Acq: 29 Jul 2022 12:10

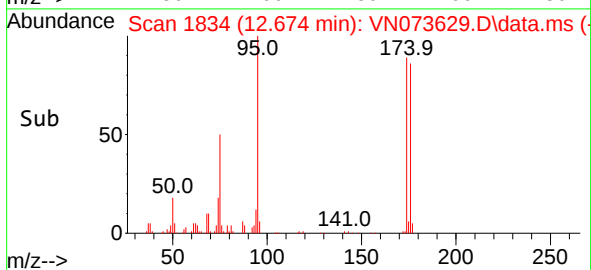
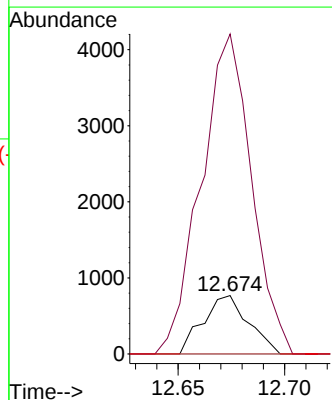
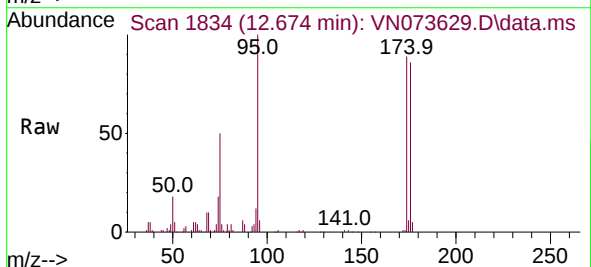
Instrument :
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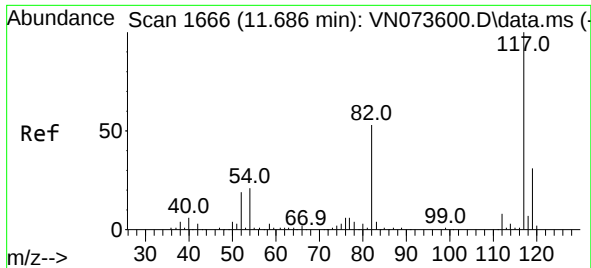
Tgt Ion: 97 Resp: 12784
Ion Ratio Lower Upper
97 100
83 2.9 67.2 100.8#
85 0.0 43.0 64.4#
99 211.8 49.0 73.4#



#56
Bromoform
Concen: 0.303 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.276 min
Lab File: VN073629.D
Acq: 29 Jul 2022 12:10

Tgt Ion: 173 Resp: 1139
Ion Ratio Lower Upper
173 100
175 608.2 38.6 58.0#
254 0.0 0.0 0.0

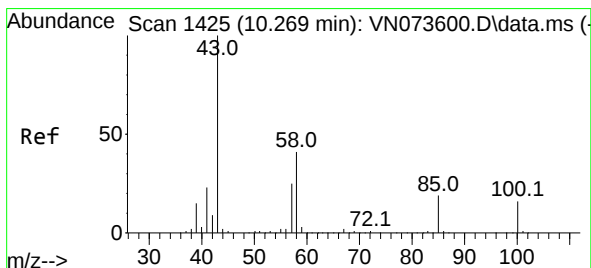
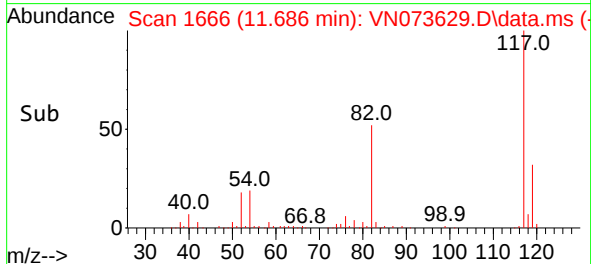
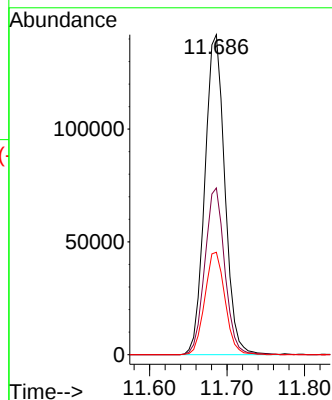
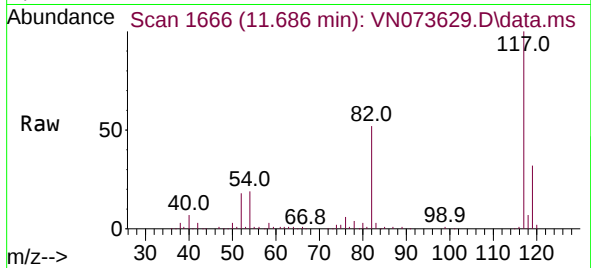




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.686 min Scan# 1166
Delta R.T. 0.000 min
Lab File: VN073629.D
Acq: 29 Jul 2022 12:10

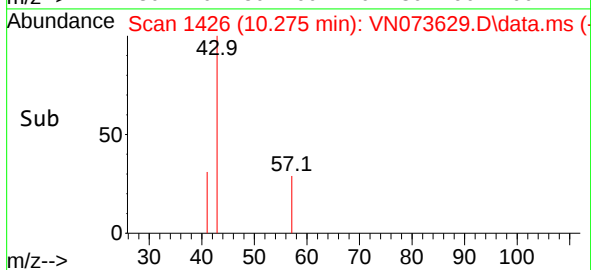
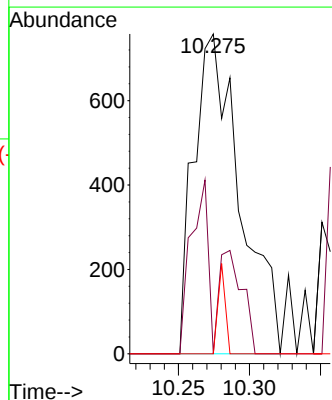
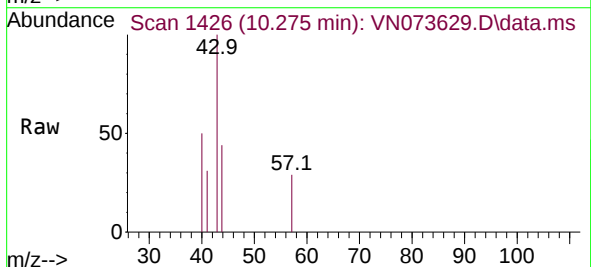
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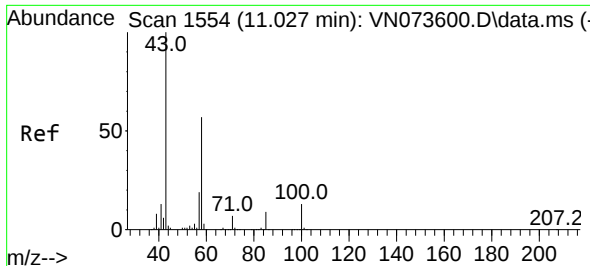
Tgt Ion:117 Resp: 254455
Ion Ratio Lower Upper
117 100
82 52.0 43.6 65.4
119 32.5 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 0.261 ug/l
RT: 10.275 min Scan# 1426
Delta R.T. 0.006 min
Lab File: VN073629.D
Acq: 29 Jul 2022 12:10

Tgt Ion: 43 Resp: 1720
Ion Ratio Lower Upper
43 100
58 20.2 30.0 45.0#
85 0.0 15.0 22.6#

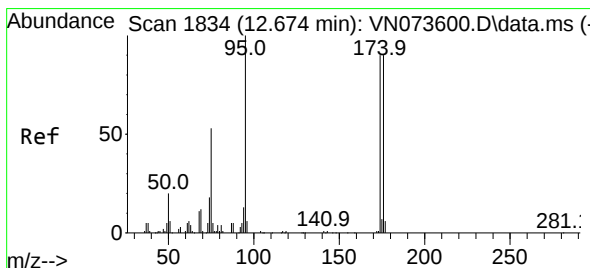
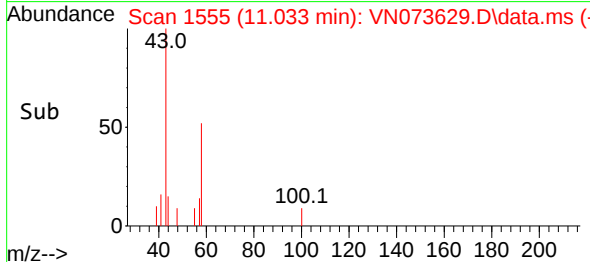
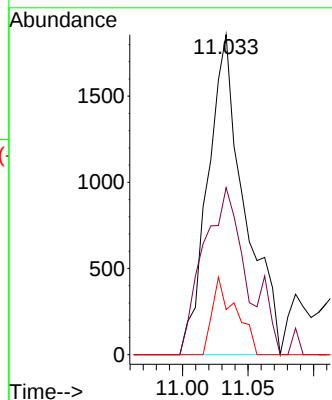
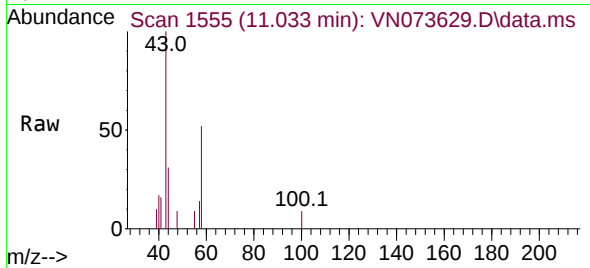




#59
2-Hexanone
Concen: 0.711 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073629.D
Acq: 29 Jul 2022 12:10

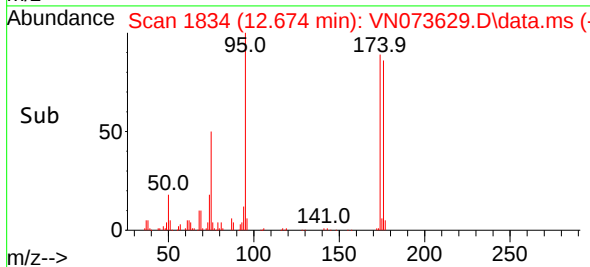
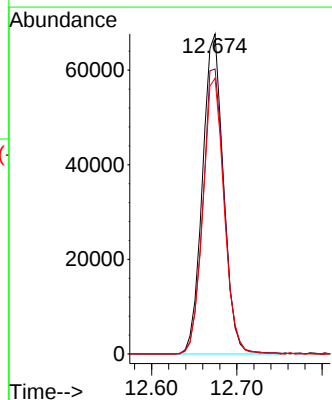
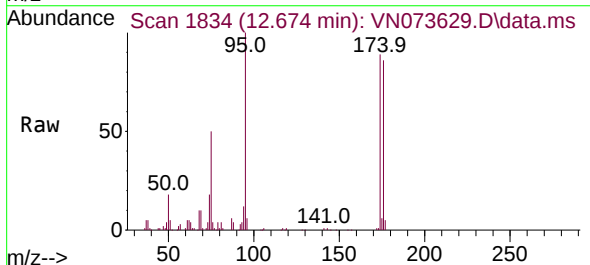
Instrument :
MSVOA_N
ClientSampleId :
VN0729WBL01

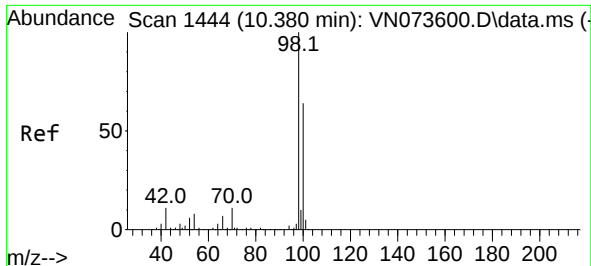
Tgt Ion: 43 Resp: 3604
Ion Ratio Lower Upper
43 100
58 56.0 42.2 63.2
57 15.5 15.0 22.4



#60
4-Bromofluorobenzene
Concen: 25.653 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073629.D
Acq: 29 Jul 2022 12:10

Tgt Ion: 95 Resp: 115578
Ion Ratio Lower Upper
95 100
174 90.5 62.9 94.3
176 87.1 61.0 91.4

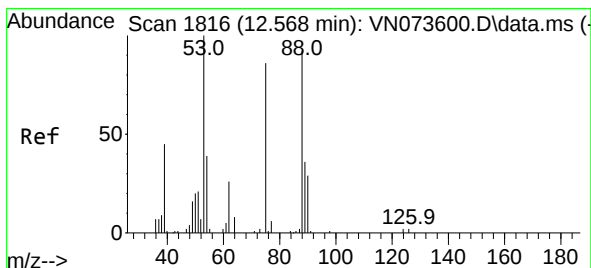
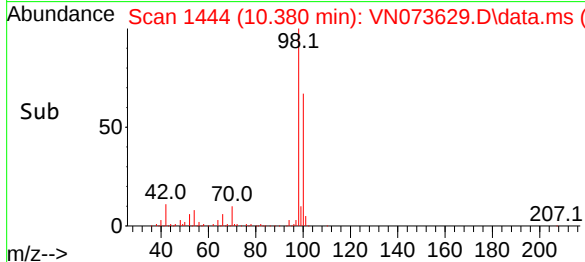
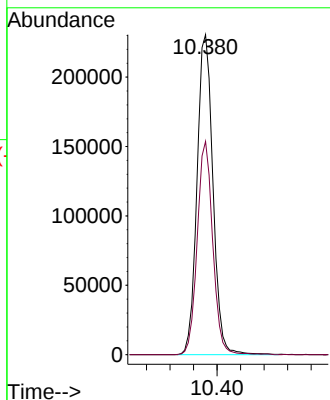
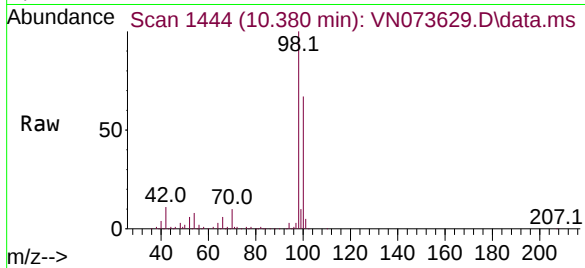




#63
Toluene-d8
Concen: 30.203 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073629.D
Acq: 29 Jul 2022 12:10

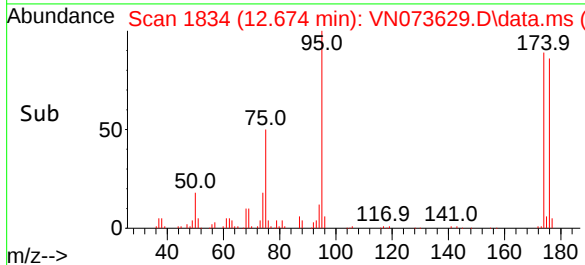
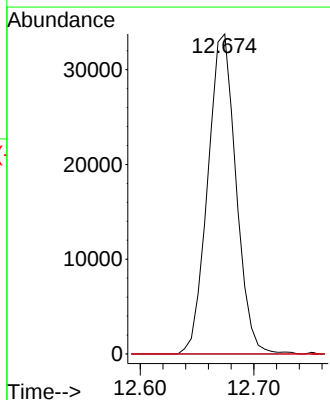
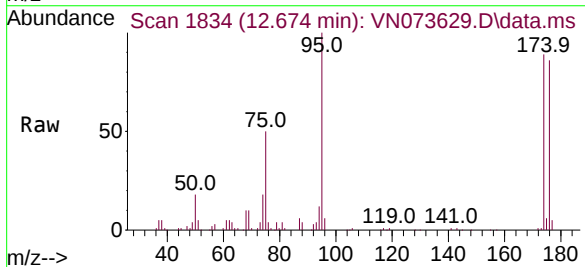
Instrument :
MSVOA_N
ClientSampleId :
VN0729WBL01

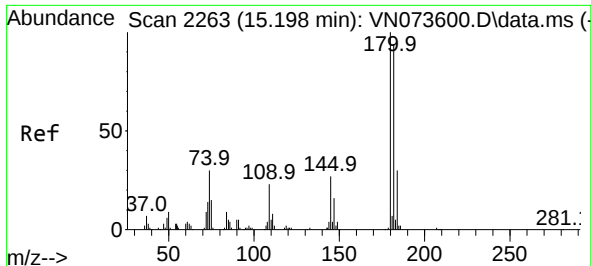
Tgt Ion: 98 Resp: 432751
Ion Ratio Lower Upper
98 100
100 64.8 50.6 76.0



#77
t-1,4-Dichloro-2-butene
Concen: 29.691 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN073629.D
Acq: 29 Jul 2022 12:10

Tgt Ion: 75 Resp: 58343
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#





#89

1,2,4-Trichlorobenzene

Concen: 0.449 ug/l

RT: 15.198 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN073629.D

Acq: 29 Jul 2022 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0729WBL01

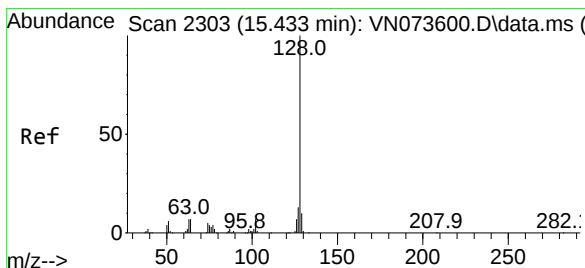
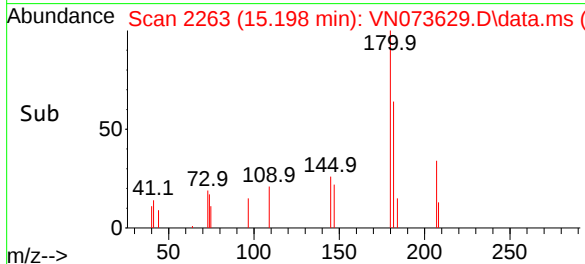
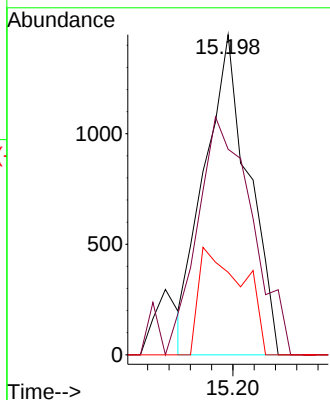
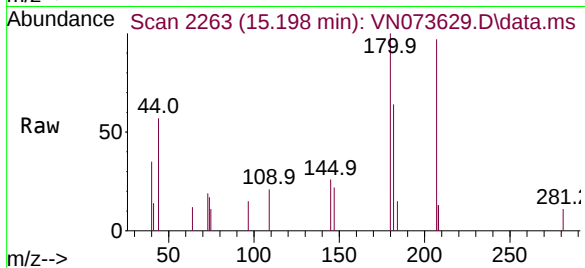
Tgt Ion:180 Resp: 2085

Ion Ratio Lower Upper

180 100

182 91.4 77.7 116.5

145 26.9 26.6 39.8



#91

Naphthalene

Concen: 0.824 ug/l

RT: 15.439 min Scan# 2304

Delta R.T. 0.006 min

Lab File: VN073629.D

Acq: 29 Jul 2022 12:10

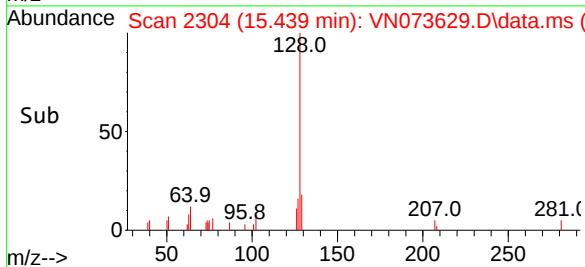
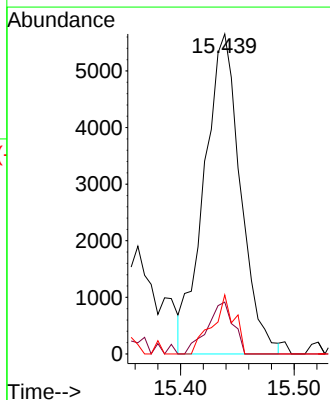
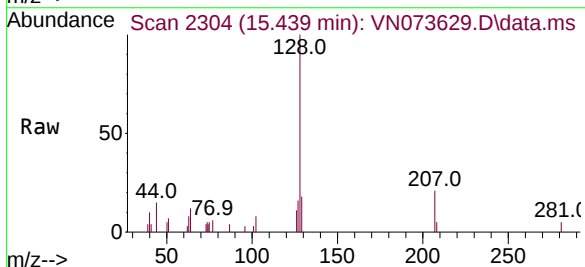
Tgt Ion:128 Resp: 12568

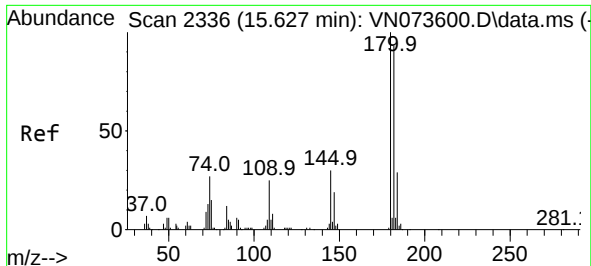
Ion Ratio Lower Upper

128 100

127 11.7 10.7 16.1

129 11.3 9.0 13.6





#92

1,2,3-Trichlorobenzene

Concen: 0.561 ug/l

RT: 15.633 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN073629.D

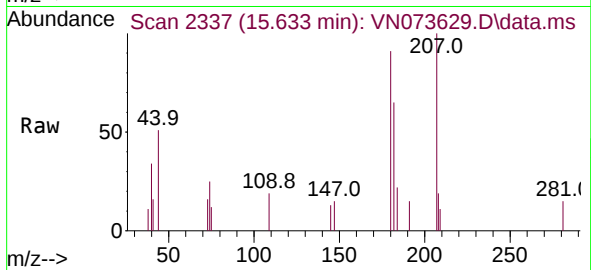
Acq: 29 Jul 2022 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0729WBL01



Tgt Ion:180 Resp: 2678

Ion Ratio Lower Upper

180 100

182 88.2 0.0 190.0

145 26.0 0.0 67.8

