

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072922\
 Data File : VN073633.D
 Acq On : 29 Jul 2022 14:31
 Operator : JC\MD
 Sample : N3975-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 220727002-01-TRIP-BLANK

Quant Time: Aug 01 03:38:01 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)

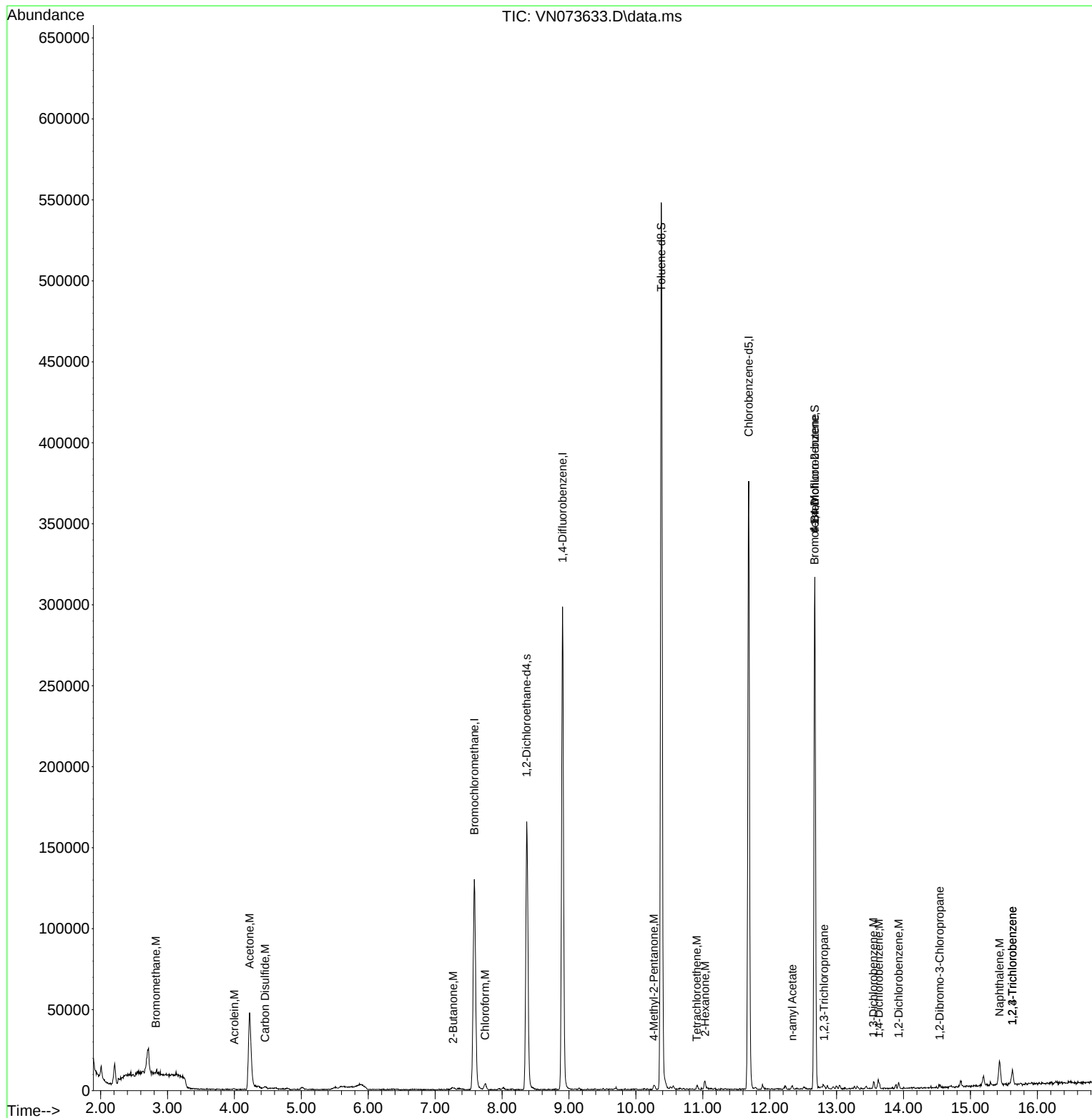
Internal Standards						
1) Bromochloromethane	7.587	128	51235	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	270150	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.686	117	230633	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	138344	31.230	ug/l	0.00
Spiked Amount	30.000	Range 91 - 110	Recovery	= 104.100%		
60) 4-Bromofluorobenzene	12.674	95	102588	25.121	ug/l	0.00
Spiked Amount	30.000	Range 63 - 112	Recovery	= 83.733%		
63) Toluene-d8	10.380	98	396425	30.526	ug/l	0.00
Spiked Amount	30.000	Range 91 - 112	Recovery	= 101.767%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.828	94	1929	0.672	ug/l #	68
13) Acrolein	3.999	56	220	0.230	ug/l	89
15) Acetone	4.228	58	27464	39.265	ug/l	76
16) Carbon Disulfide	4.457	76	2285	0.261	ug/l #	73
25) Chloroform	7.745	83	3717	0.524	ug/l	97
30) 2-Butanone	7.269	43	1103	0.316	ug/l #	82
47) n-amyl Acetate	12.339	43	1600	0.218	ug/l #	81
56) Bromoform	12.669	173	969	0.290	ug/l #	1
58) 4-Methyl-2-Pentanone	10.269	43	2285	0.383	ug/l #	72
59) 2-Hexanone	11.033	43	4188	0.912	ug/l	98
61) Tetrachloroethene	10.910	164	714	0.202	ug/l #	53
72) 1,2,3-Trichloropropane	12.810	75	1180	0.241	ug/l	8
77) t-1,4-Dichloro-2-butene	12.674	75	53818	30.217	ug/l #	8
83) 1,3-Dichlorobenzene	13.551	146	1827	0.241	ug/l	86
84) 1,4-Dichlorobenzene	13.633	146	1892	0.259	ug/l	97
87) 1,2-Dichlorobenzene	13.927	146	1782	0.233	ug/l	89
88) 1,2-Dibromo-3-Chloropr...	14.539	75	327	0.256	ug/l #	45
89) 1,2,4-Trichlorobenzene	15.627	180	3634	0.863	ug/l	99
91) Naphthalene	15.433	128	16330	1.181	ug/l #	86
92) 1,2,3-Trichlorobenzene	15.627	180	3634	0.840	ug/l	97

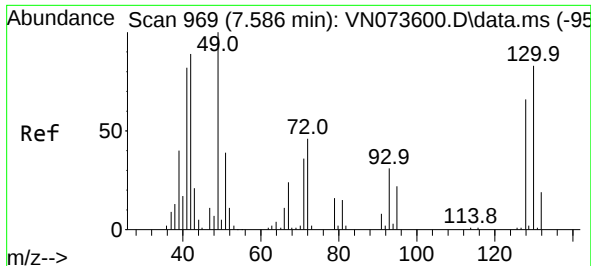
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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220727002-01-TRIP-BLANK

Quant Time: Aug 01 03:38:01 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

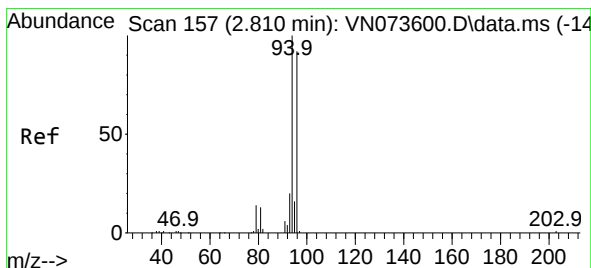
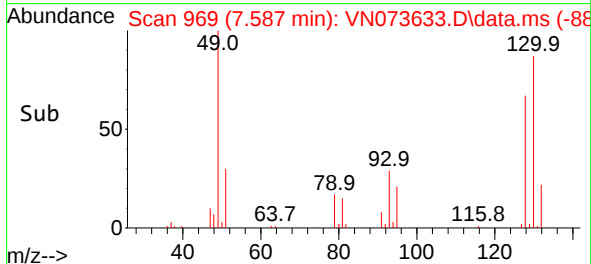
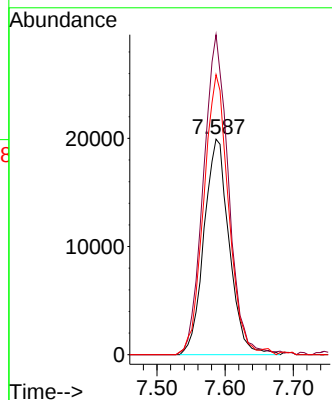
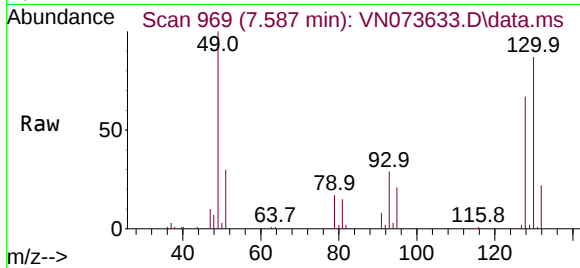




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.587 min Scan# 90
Delta R.T. 0.001 min
Lab File: VN073633.D
Acq: 29 Jul 2022 14:31

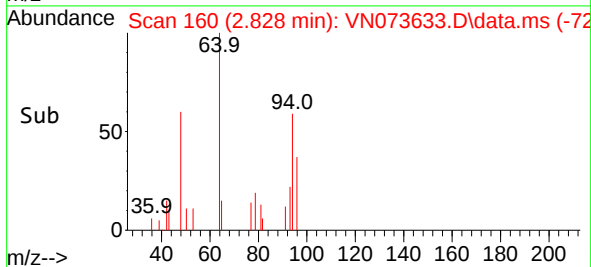
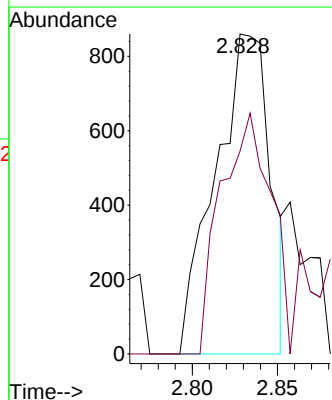
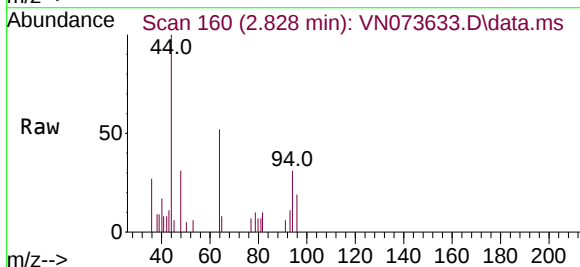
Instrument :
MSVOA_N
ClientSampleId :
220727002-01-TRIP-BLANK

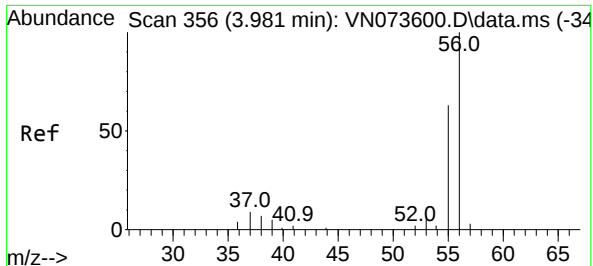
Tgt Ion:128 Resp: 51235
Ion Ratio Lower Upper
128 100
49 147.7 0.0 392.3
130 128.3 0.0 320.2



#5
Bromomethane
Concen: 0.672 ug/l
RT: 2.828 min Scan# 160
Delta R.T. 0.018 min
Lab File: VN073633.D
Acq: 29 Jul 2022 14:31

Tgt Ion: 94 Resp: 1929
Ion Ratio Lower Upper
94 100
96 63.4 75.2 112.8#

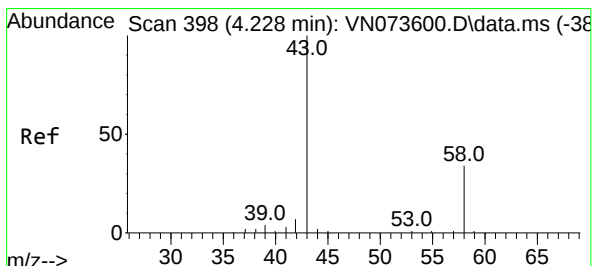
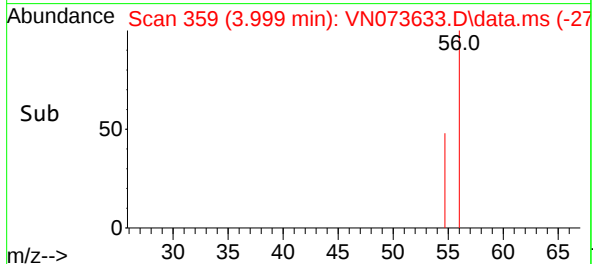
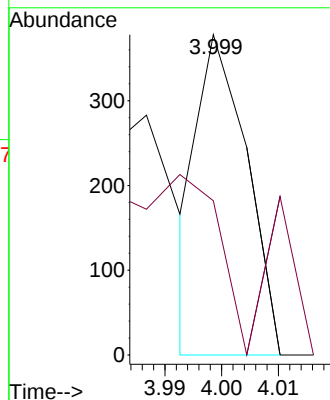
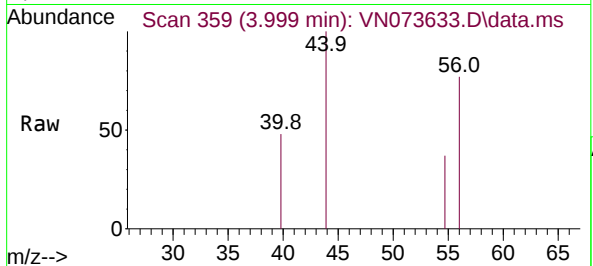




#13
Acrolein
Concen: 0.230 ug/l
RT: 3.999 min Scan# 359
Delta R.T. 0.018 min
Lab File: VN073633.D
Acq: 29 Jul 2022 14:31

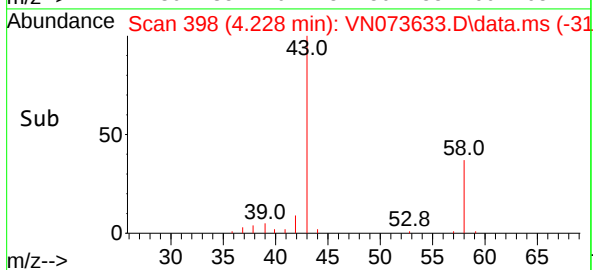
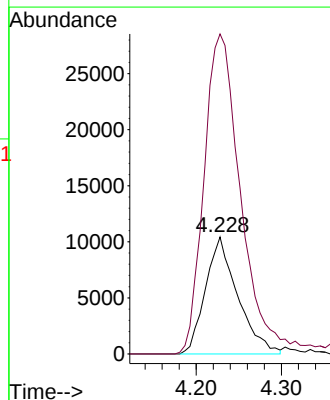
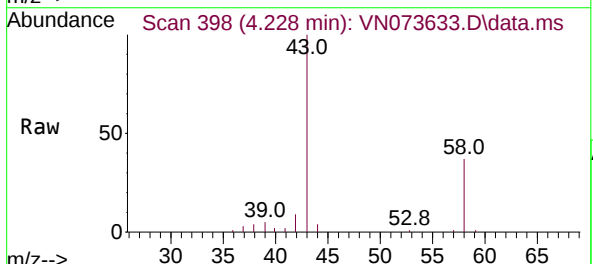
Instrument :
MSVOA_N
ClientSampleId :
220727002-01-TRIP-BLANK

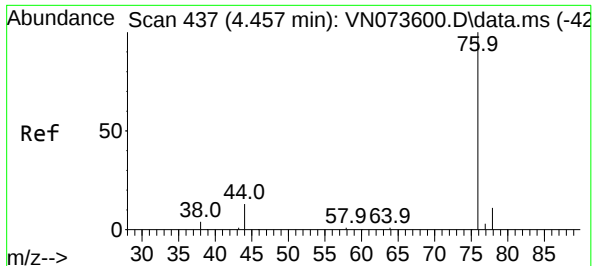
Tgt Ion: 56 Resp: 220
Ion Ratio Lower Upper
56 100
55 63.2 57.6 86.4



#15
Acetone
Concen: 39.265 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.000 min
Lab File: VN073633.D
Acq: 29 Jul 2022 14:31

Tgt Ion: 58 Resp: 27464
Ion Ratio Lower Upper
58 100
43 272.0 256.6 384.8

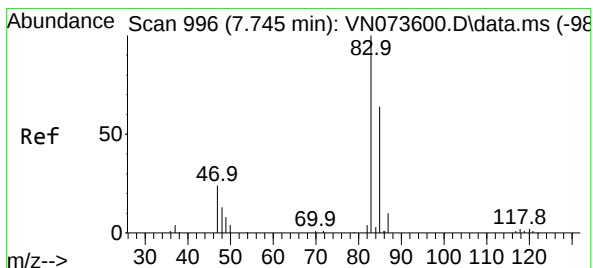
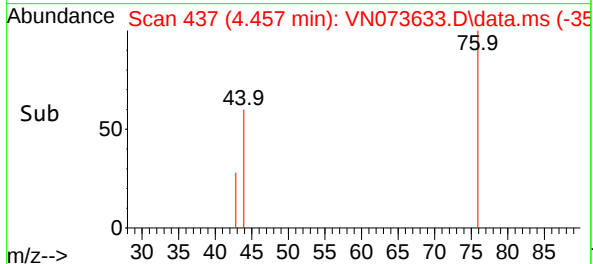
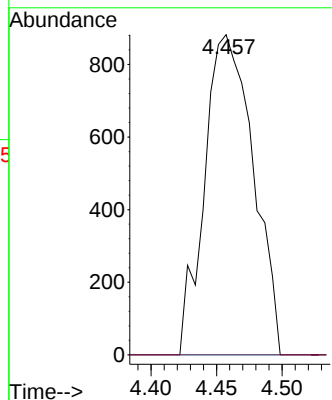
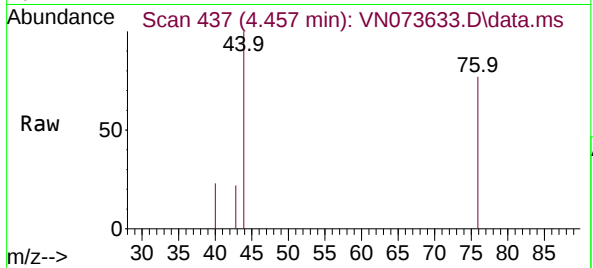




#16
Carbon Disulfide
Concen: 0.261 ug/l
RT: 4.457 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN073633.D
Acq: 29 Jul 2022 14:31

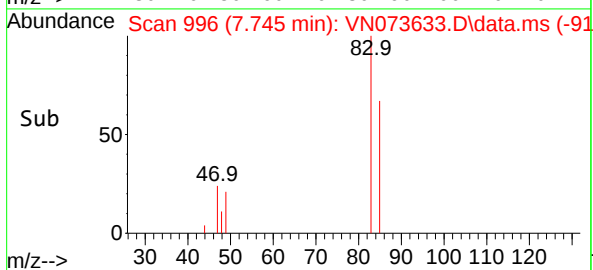
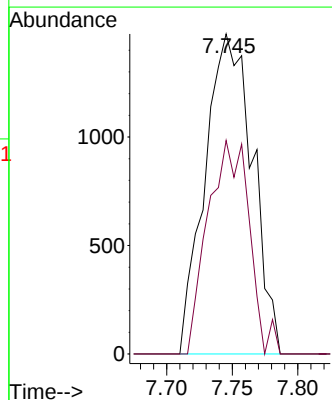
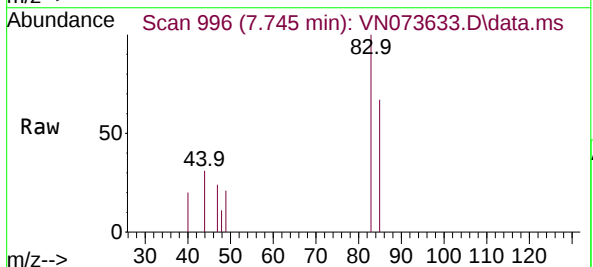
Instrument :
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ClientSampleId :
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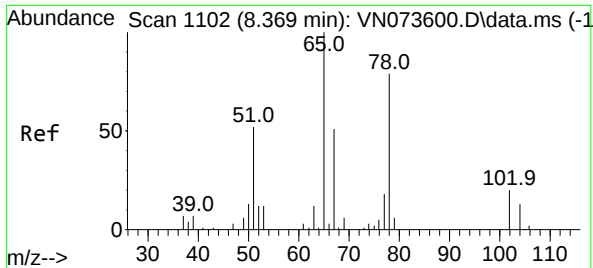
Tgt Ion: 76 Resp: 2285
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.8#



#25
Chloroform
Concen: 0.524 ug/l
RT: 7.745 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN073633.D
Acq: 29 Jul 2022 14:31

Tgt Ion: 83 Resp: 3717
Ion Ratio Lower Upper
83 100
85 66.7 51.3 76.9

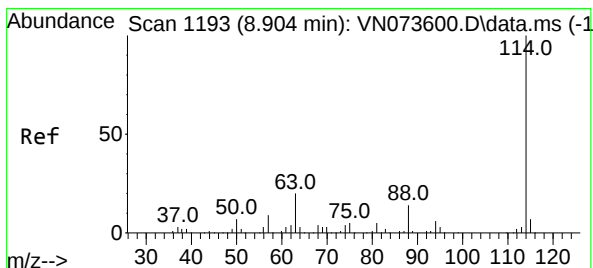
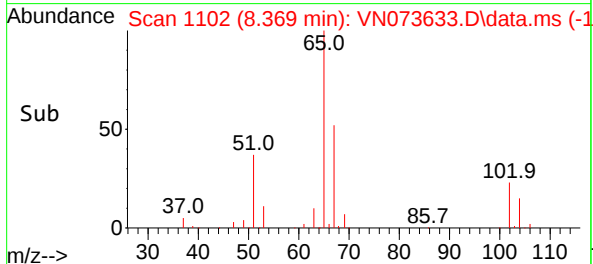
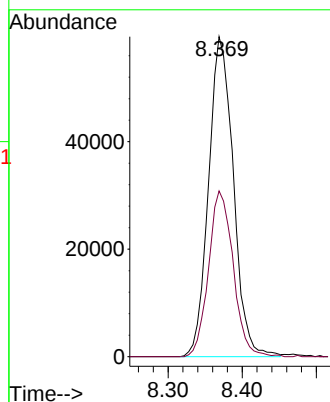
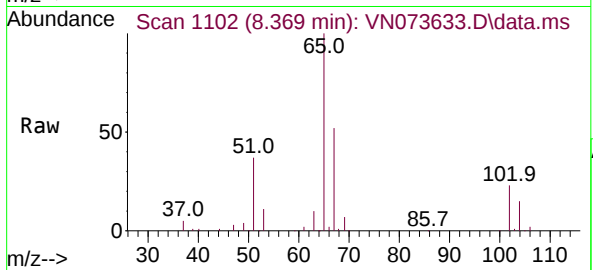




#27
1,2-Dichloroethane-d4
Concen: 31.230 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN073633.D
Acq: 29 Jul 2022 14:31

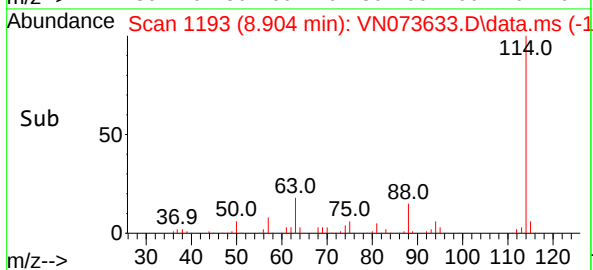
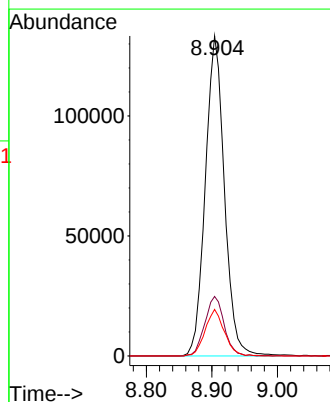
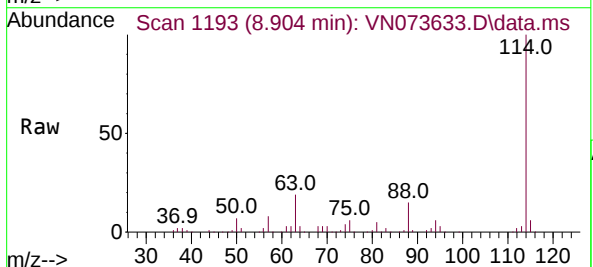
Instrument :
MSVOA_N
ClientSampleId :
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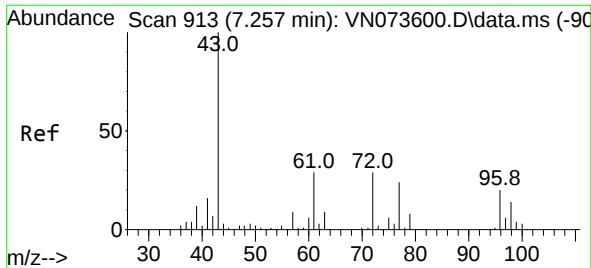
Tgt Ion: 65 Resp: 138344
Ion Ratio Lower Upper
65 100
67 51.3 40.2 60.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN073633.D
Acq: 29 Jul 2022 14:31

Tgt Ion: 114 Resp: 270150
Ion Ratio Lower Upper
114 100
63 18.7 15.8 23.6
88 14.7 11.6 17.4

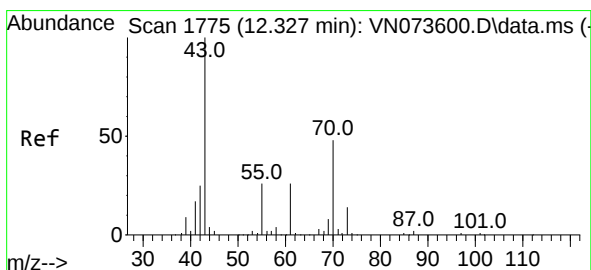
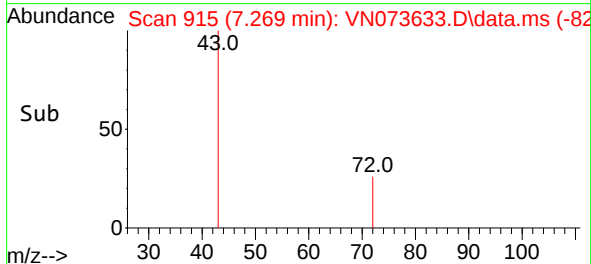
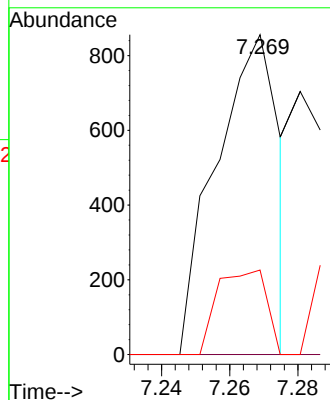
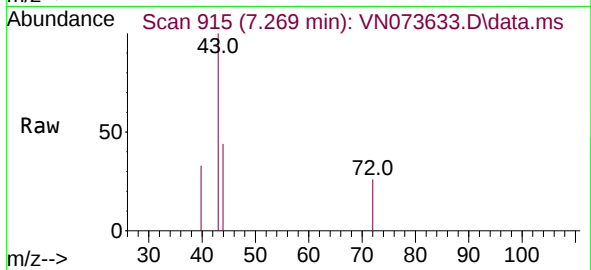




#30
2-Butanone
Concen: 0.316 ug/l
RT: 7.269 min Scan# 913
Delta R.T. 0.012 min
Lab File: VN073633.D
Acq: 29 Jul 2022 14:31

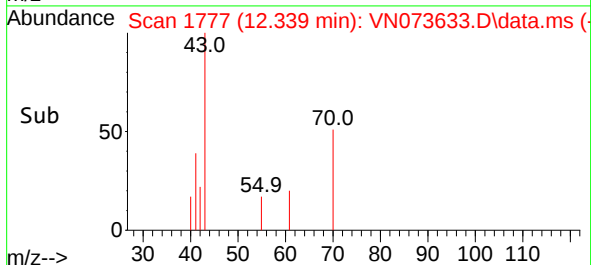
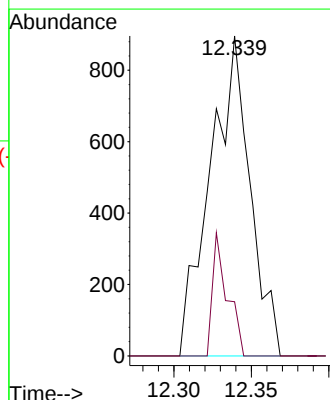
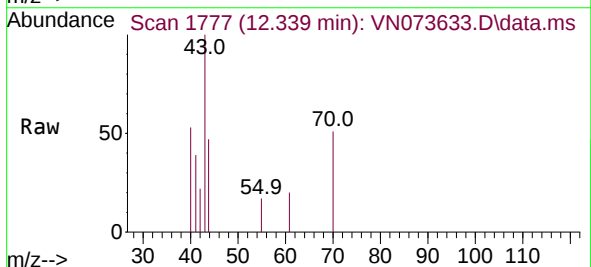
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ClientSampleId :
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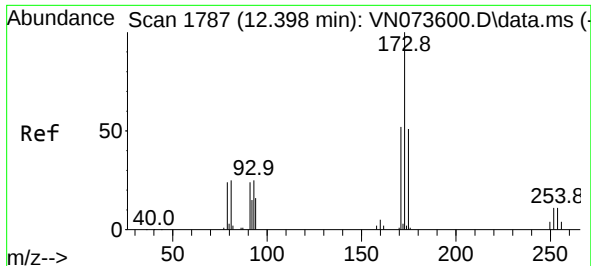
Tgt Ion: 43 Resp: 1103
Ion Ratio Lower Upper
43 100
57 0.0 6.7 10.1#
72 20.5 23.2 34.8#



#47
n-amy1 Acetate
Concen: 0.218 ug/l
RT: 12.339 min Scan# 1777
Delta R.T. 0.012 min
Lab File: VN073633.D
Acq: 29 Jul 2022 14:31

Tgt Ion: 43 Resp: 1600
Ion Ratio Lower Upper
43 100
55 14.4 19.0 28.6#

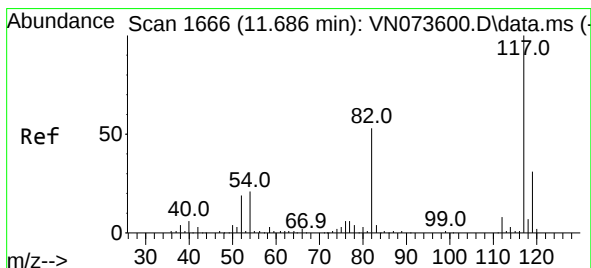
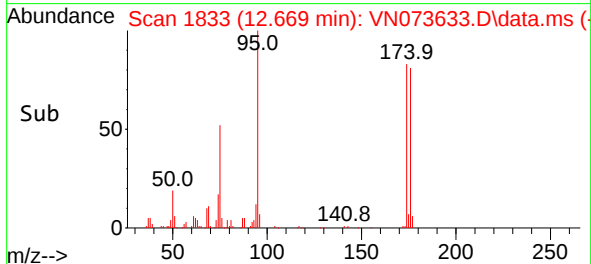
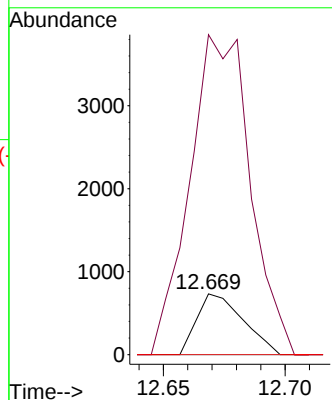
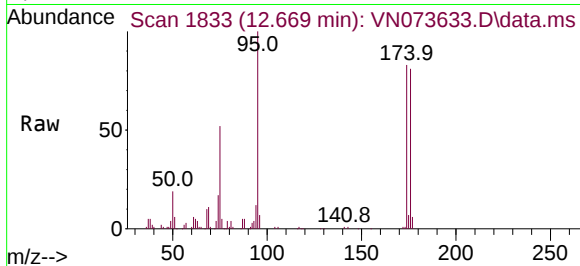




#56
Bromoform
Concen: 0.290 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN073633.D
Acq: 29 Jul 2022 14:31

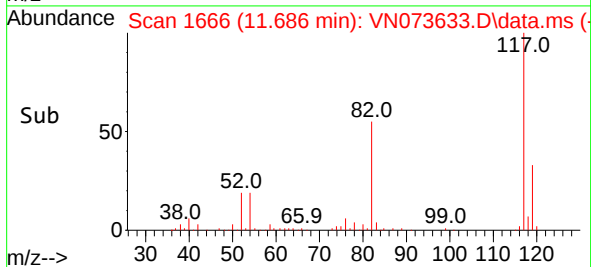
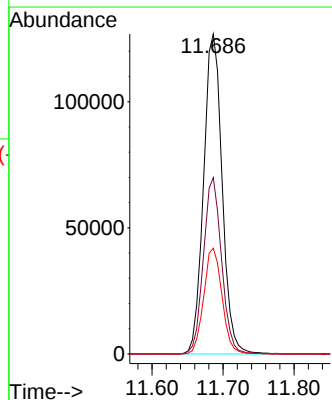
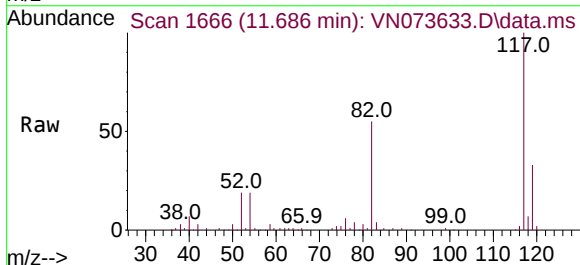
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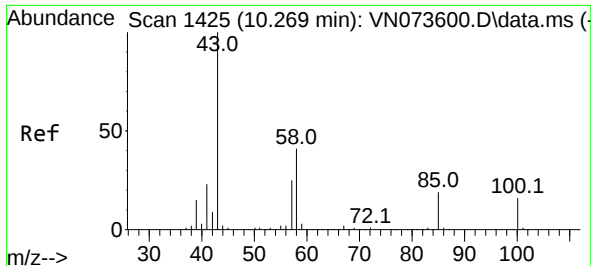
Tgt Ion:173 Resp: 969
Ion Ratio Lower Upper
173 100
175 689.5 38.6 58.0#
254 0.0 0.0 0.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073633.D
Acq: 29 Jul 2022 14:31

Tgt Ion:117 Resp: 230633
Ion Ratio Lower Upper
117 100
82 54.0 43.6 65.4
119 32.6 25.8 38.6

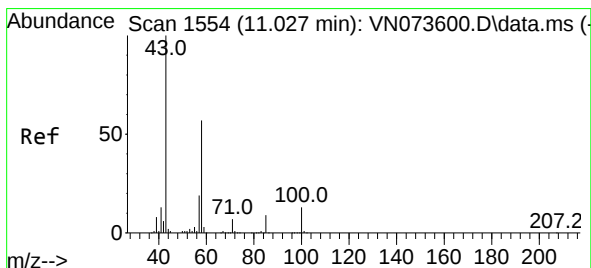
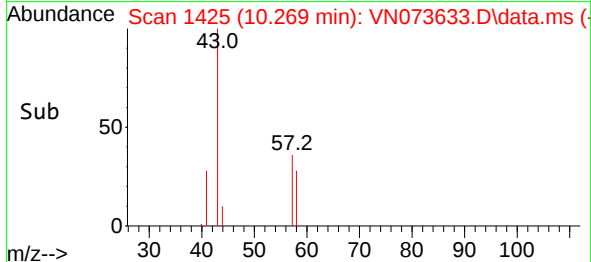
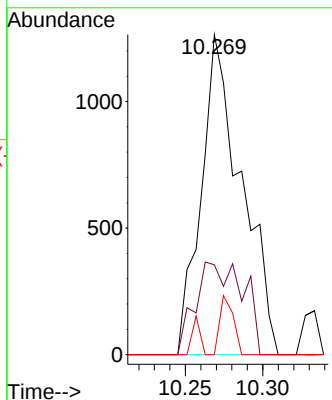
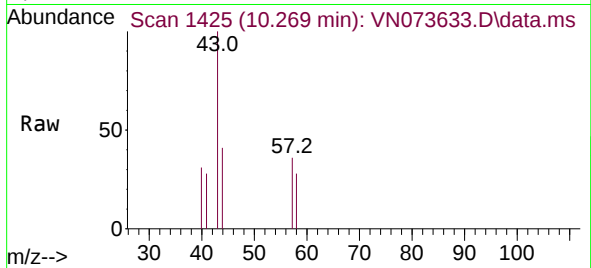




#58
4-Methyl-2-Pentanone
Concen: 0.383 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. 0.000 min
Lab File: VN073633.D
Acq: 29 Jul 2022 14:31

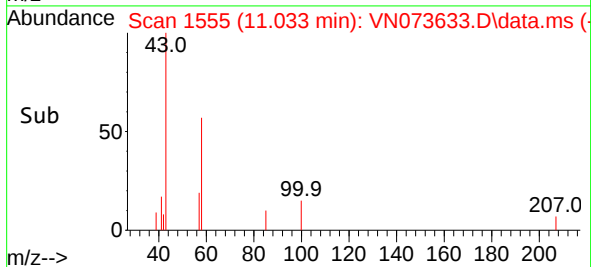
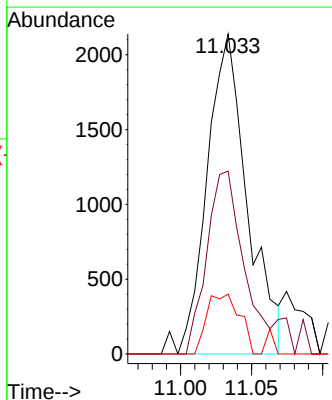
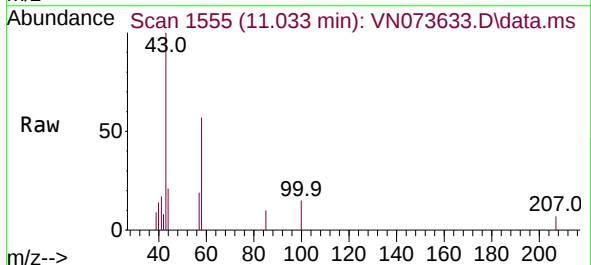
Instrument :
MSVOA_N
ClientSampleId :
220727002-01-TRIP-BLANK

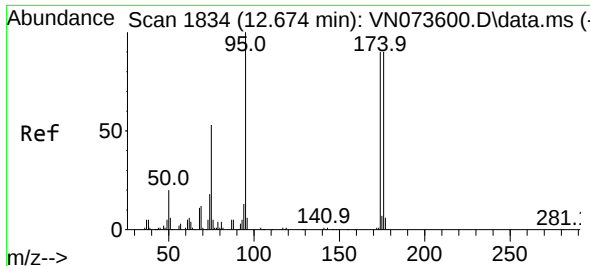
Tgt Ion:	43	Resp:	2285
Ion	Ratio	Lower	Upper
43	100		
58	20.7	30.0	45.0#
85	6.1	15.0	22.6#



#59
2-Hexanone
Concen: 0.912 ug/l
RT: 11.033 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VN073633.D
Acq: 29 Jul 2022 14:31

Tgt Ion:	43	Resp:	4188
Ion	Ratio	Lower	Upper
43	100		
58	52.6	42.2	63.2
57	15.4	15.0	22.4

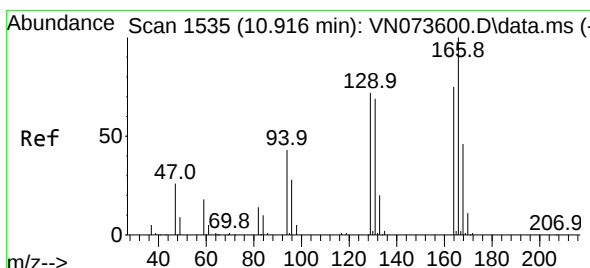
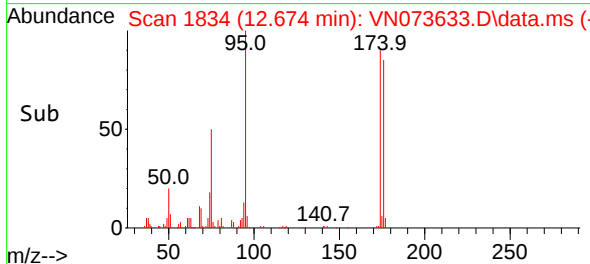
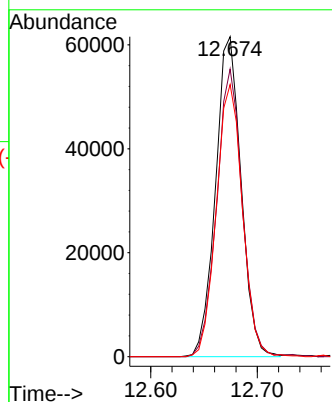
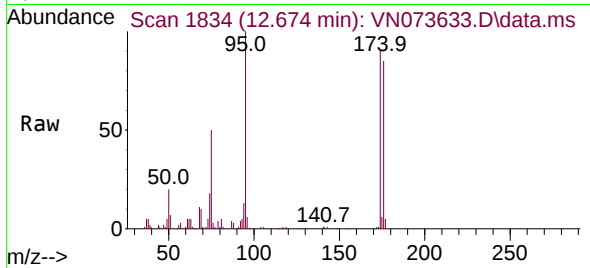




#60
4-Bromofluorobenzene
Concen: 25.121 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073633.D
Acq: 29 Jul 2022 14:31

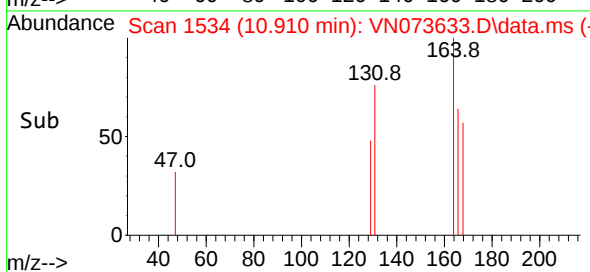
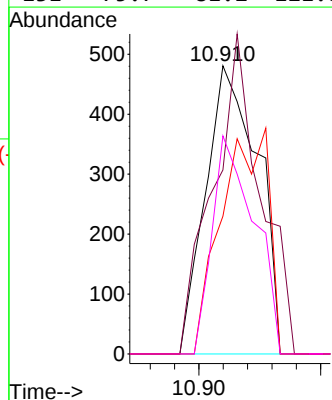
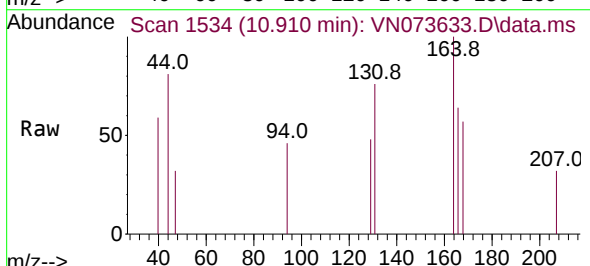
Instrument :
MSVOA_N
ClientSampleId :
220727002-01-TRIP-BLANK

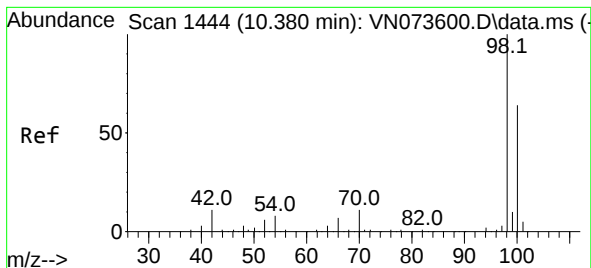
Tgt Ion: 95 Resp: 102588
Ion Ratio Lower Upper
95 100
174 89.6 62.9 94.3
176 86.7 61.0 91.4



#61
Tetrachloroethene
Concen: 0.202 ug/l
RT: 10.910 min Scan# 1534
Delta R.T. -0.006 min
Lab File: VN073633.D
Acq: 29 Jul 2022 14:31

Tgt Ion: 164 Resp: 714
Ion Ratio Lower Upper
164 100
166 63.8 105.8 158.8#
129 47.8 82.5 123.7#
131 75.7 81.2 121.8#





#63

Toluene-d8

Concen: 30.526 ug/l

RT: 10.380 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN073633.D

Acq: 29 Jul 2022 14:31

Instrument :

MSVOA_N

ClientSampleId :

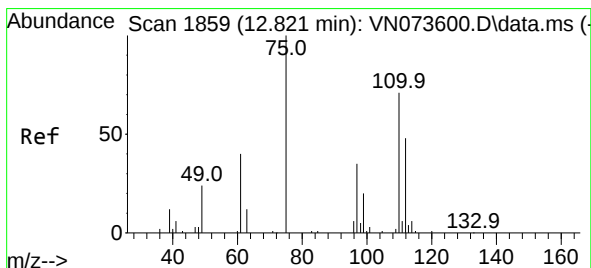
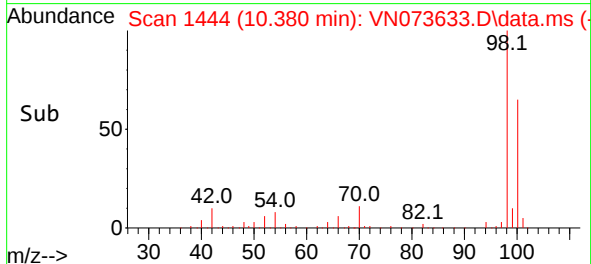
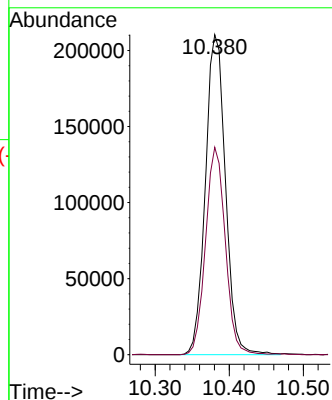
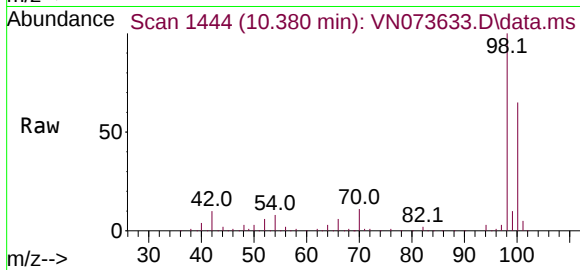
220727002-01-TRIP-BLANK

Tgt Ion: 98 Resp: 396425

Ion Ratio Lower Upper

98 100

100 63.7 50.6 76.0



#72

1,2,3-Trichloropropane

Concen: 0.241 ug/l

RT: 12.810 min Scan# 1857

Delta R.T. -0.012 min

Lab File: VN073633.D

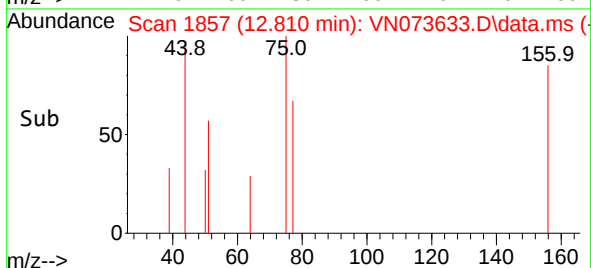
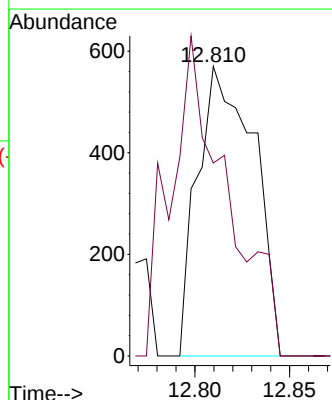
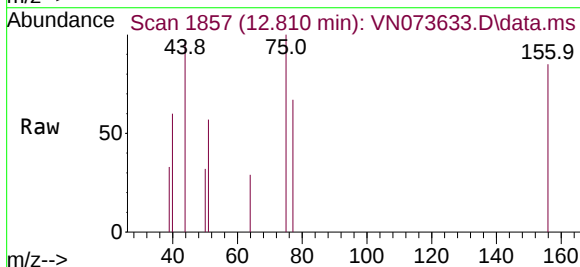
Acq: 29 Jul 2022 14:31

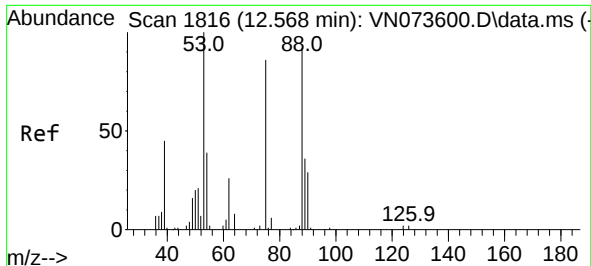
Tgt Ion: 75 Resp: 1180

Ion Ratio Lower Upper

75 100

77 54.8 0.0 378.0

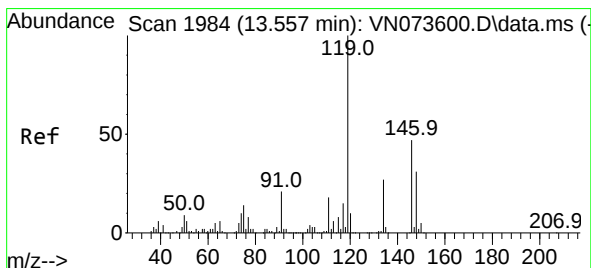
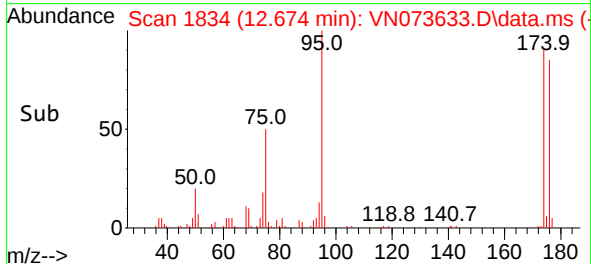
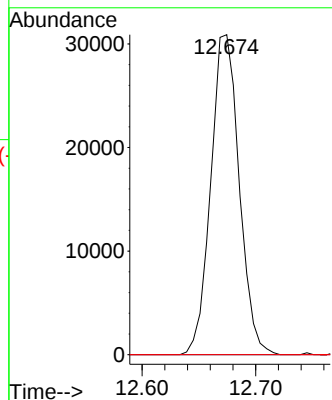
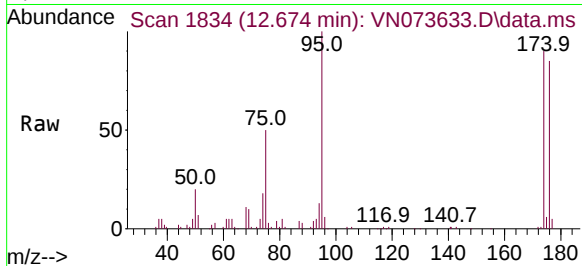




#77
t-1,4-Dichloro-2-butene
Concen: 30.217 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN073633.D
Acq: 29 Jul 2022 14:31

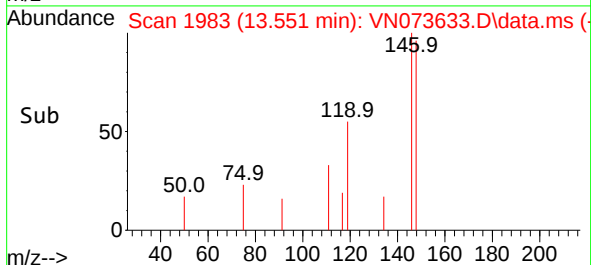
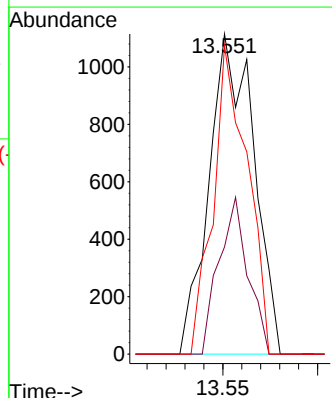
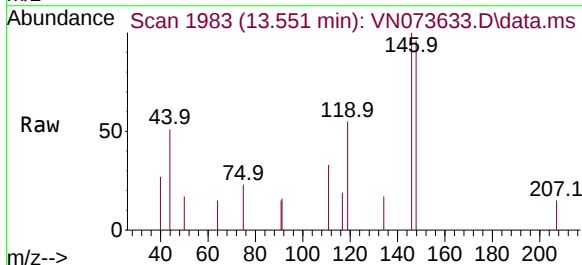
Instrument :
MSVOA_N
ClientSampleId :
220727002-01-TRIP-BLANK

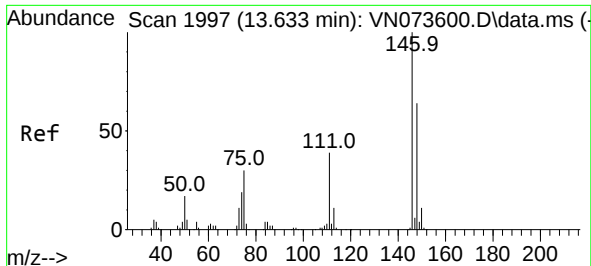
Tgt Ion: 75 Resp: 53818
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#



#83
1,3-Dichlorobenzene
Concen: 0.241 ug/l
RT: 13.551 min Scan# 1983
Delta R.T. -0.006 min
Lab File: VN073633.D
Acq: 29 Jul 2022 14:31

Tgt Ion: 146 Resp: 1827
Ion Ratio Lower Upper
146 100
111 31.9 20.8 62.2
148 73.6 31.4 94.3

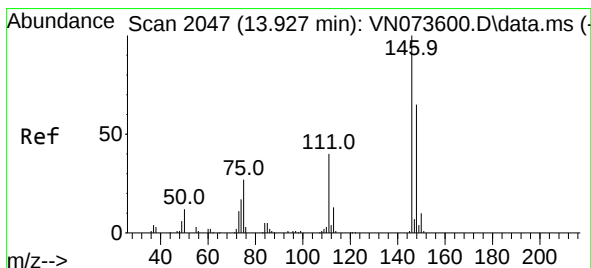
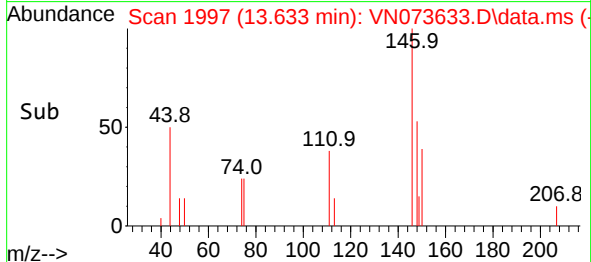
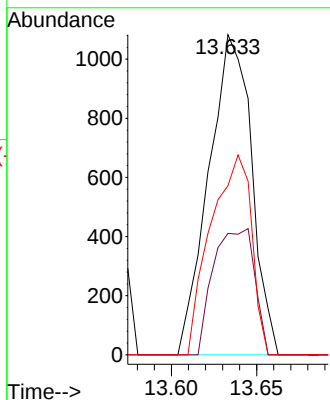
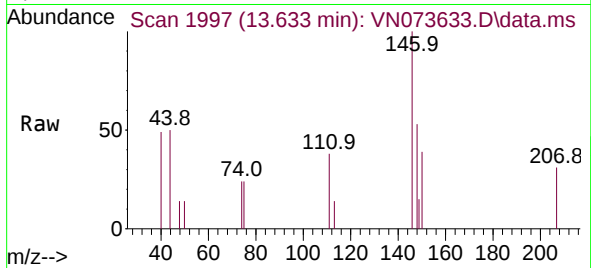




#84
1,4-Dichlorobenzene
Concen: 0.259 ug/l
RT: 13.633 min Scan# 1997
Delta R.T. 0.000 min
Lab File: VN073633.D
Acq: 29 Jul 2022 14:31

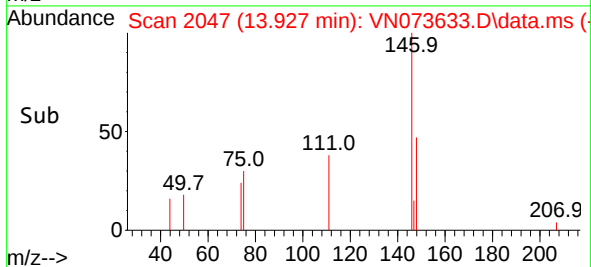
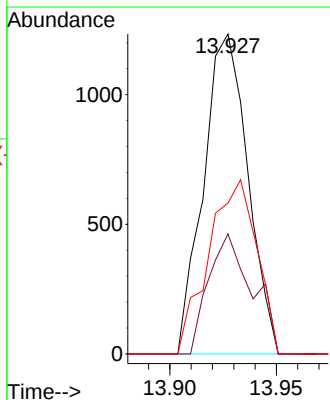
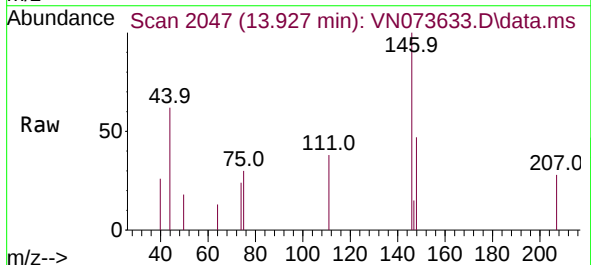
Instrument :
MSVOA_N
ClientSampleId :
220727002-01-TRIP-BLANK

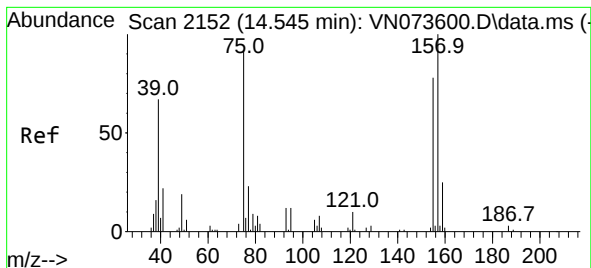
Tgt Ion:	146	Resp:	1892
Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.5	58.5
148	59.5	31.1	93.5



#87
1,2-Dichlorobenzene
Concen: 0.233 ug/l
RT: 13.927 min Scan# 2047
Delta R.T. 0.000 min
Lab File: VN073633.D
Acq: 29 Jul 2022 14:31

Tgt Ion:	146	Resp:	1782
Ion	Ratio	Lower	Upper
146	100		
111	31.5	21.4	64.2
148	59.4	32.5	97.4

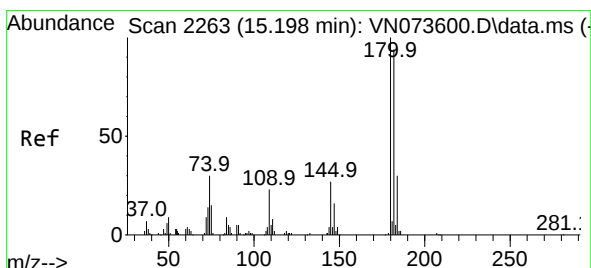
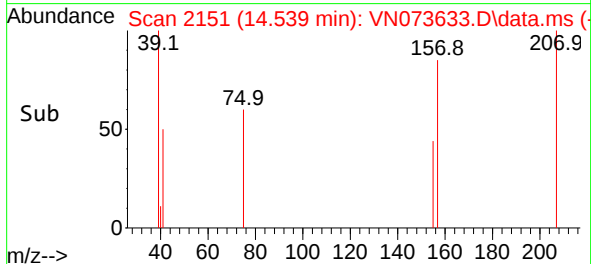
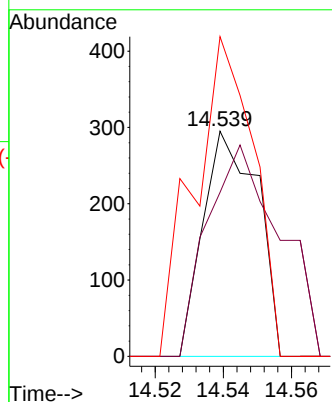
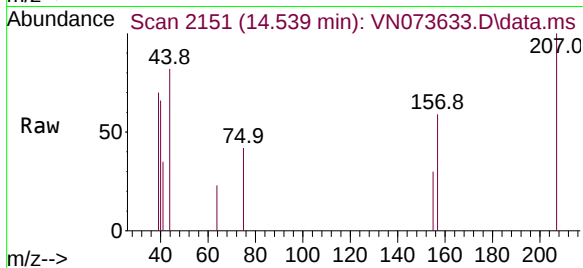




#88
 1,2-Dibromo-3-Chloropropane
 Concen: 0.256 ug/l
 RT: 14.539 min Scan# 2151
 Delta R.T. -0.006 min
 Lab File: VN073633.D
 Acq: 29 Jul 2022 14:31

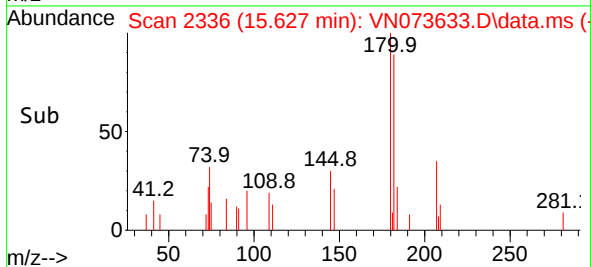
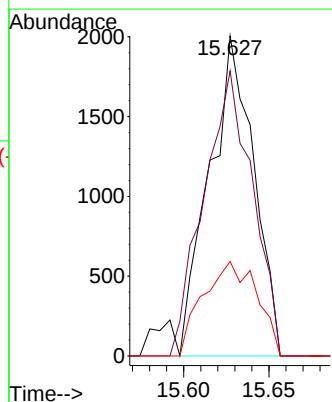
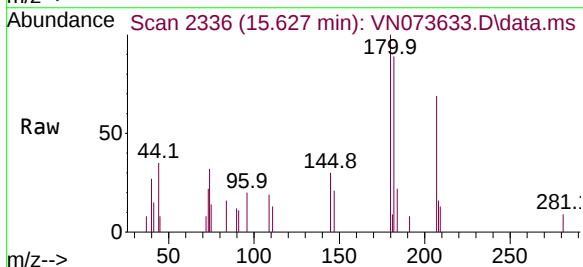
Instrument :
 MSVOA_N
 ClientSampleId :
 220727002-01-TRIP-BLANK

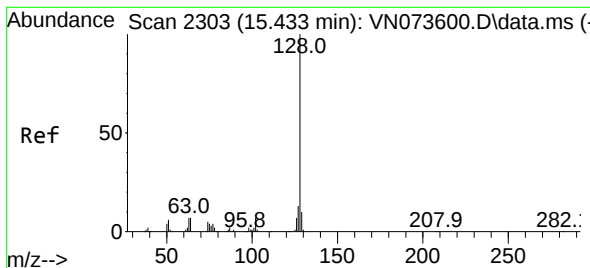
Tgt Ion: 75 Resp: 327
 Ion Ratio Lower Upper
 75 100
 155 124.8 63.8 95.8#
 157 155.4 77.9 116.9#



#89
 1,2,4-Trichlorobenzene
 Concen: 0.863 ug/l
 RT: 15.627 min Scan# 2336
 Delta R.T. 0.429 min
 Lab File: VN073633.D
 Acq: 29 Jul 2022 14:31

Tgt Ion: 180 Resp: 3634
 Ion Ratio Lower Upper
 180 100
 182 97.3 77.7 116.5
 145 35.8 26.6 39.8





#91

Naphthalene

Concen: 1.181 ug/l

RT: 15.433 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN073633.D

Acq: 29 Jul 2022 14:31

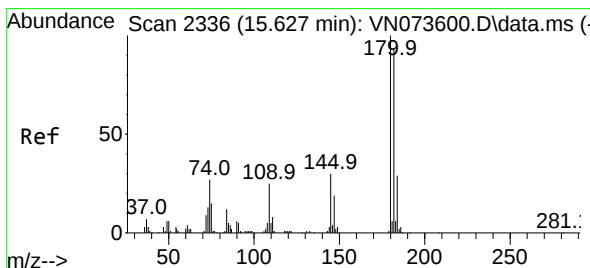
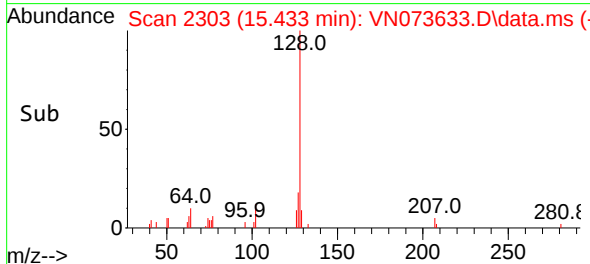
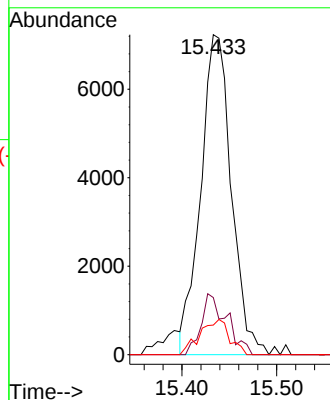
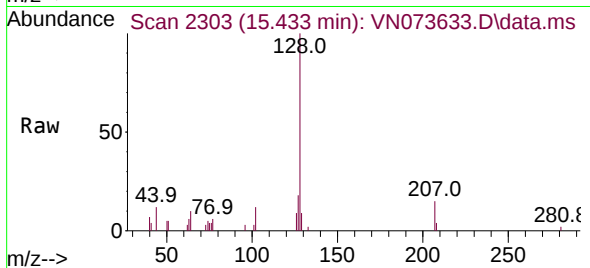
Instrument :

MSVOA_N

ClientSampleId :

220727002-01-TRIP-BLANK

Tgt Ion:	128	Resp:	16330
Ion Ratio	Lower	Upper	
128	100		
127	10.4	10.7	16.1#
129	3.1	9.0	13.6#



#92

1,2,3-Trichlorobenzene

Concen: 0.840 ug/l

RT: 15.627 min Scan# 2336

Delta R.T. 0.000 min

Lab File: VN073633.D

Acq: 29 Jul 2022 14:31

Tgt Ion:	180	Resp:	3634
Ion Ratio	Lower	Upper	
180	100		
182	97.3	0.0	190.0
145	35.8	0.0	67.8

