

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012022\
 Data File : VN070722.D
 Acq On : 20 Jan 2022 16:12
 Operator : JC/MD
 Sample : N1195-01ME
 Misc : 5.09g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CL-02-011922ME

Quant Time: Jan 21 02:15:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 18 13:32:07 2022
 Response via : Initial Calibration

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

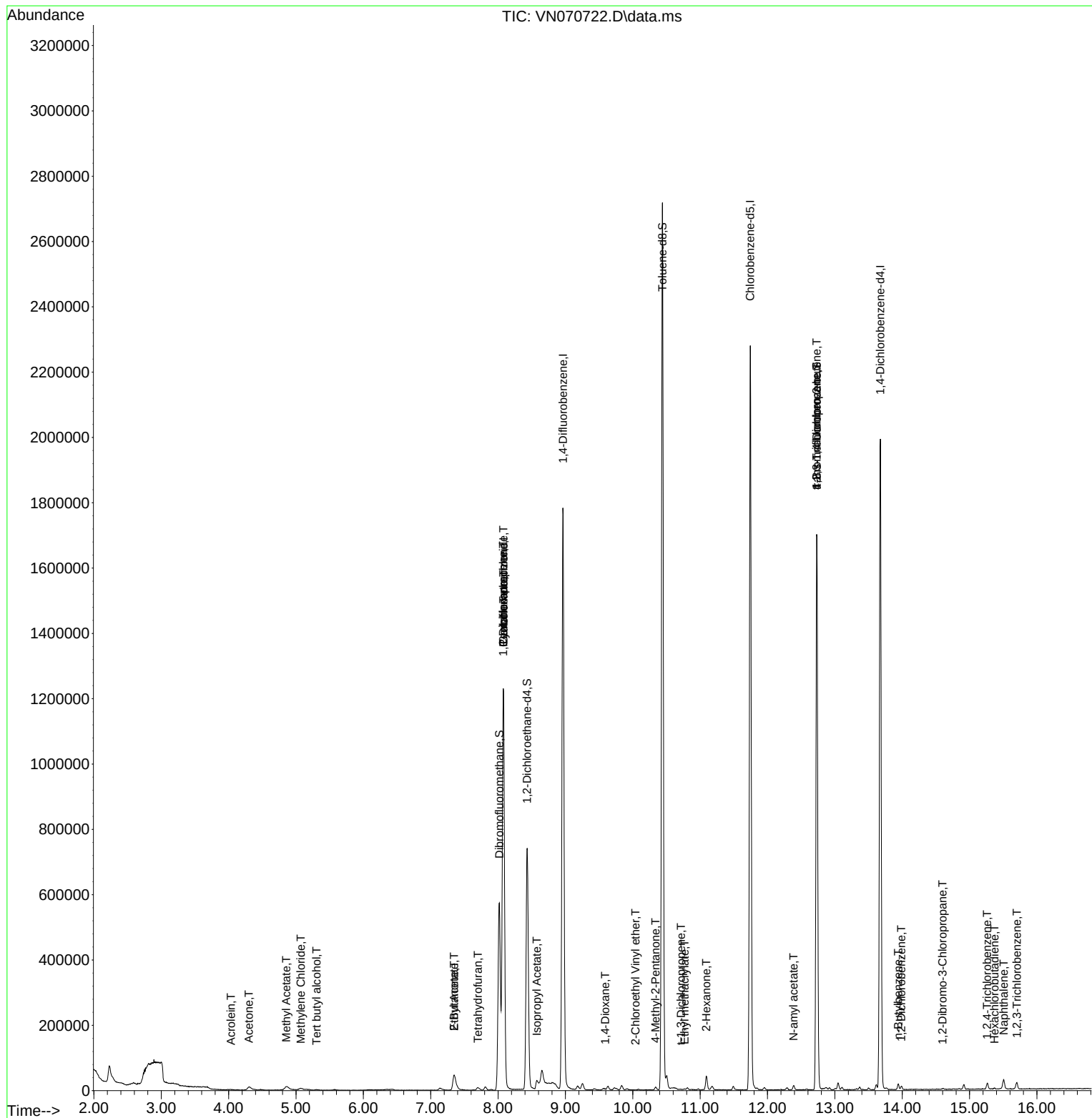
Internal Standards						
1) Pentafluorobenzene	8.080	168	951317	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1545952	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1298691	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	544108	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.432	65	639007	46.869	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.740%		
35) Dibromofluoromethane	8.019	113	434540	45.314	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	90.620%		
50) Toluene-d8	10.441	98	1900989	47.056	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	94.120%		
62) 4-Bromofluorobenzene	12.731	95	619701	43.048	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	86.100%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.305	59	1304	0.530	ug/l #	71
13) Acrolein	4.033	56	1830	0.519	ug/l #	68
16) Acetone	4.299	43	7867	0.831	ug/l	95
18) Methyl Acetate	4.854	43	12702	0.683	ug/l #	77
20) Methylene Chloride	5.071	84	2743	0.220	ug/l	94
25) 2-Butanone	7.348	43	105443	8.855	ug/l	91
29) Tetrahydrofuran	7.702	42	7906	1.084	ug/l #	61
30) Chloroform	7.810	83	10024	Below Cal		100
31) Cyclohexane	8.080	56	20931	0.872	ug/l #	1
36) 1,1-Dichloropropene	8.075	75	77662	4.811	ug/l #	49
37) Ethyl Acetate	7.348	43	105443	4.920	ug/l #	68
38) Carbon Tetrachloride	8.078	117	96058	6.688	ug/l #	16
43) Isopropyl Acetate	8.574	43	24603	0.752	ug/l #	55
49) 1,4-Dioxane	9.590	88	237	1.012	ug/l #	62
51) 4-Methyl-2-Pentanone	10.339	43	7057	0.338	ug/l	92
53) t-1,3-Dichloropropene	10.714	75	516	2.429	ug/l #	57
56) Ethyl methacrylate	10.770	69	1359	2.360	ug/l #	79
58) 2-Chloroethyl Vinyl ether	10.041	63	112	21.255	ug/l #	45
59) 2-Hexanone	11.092	43	17986	1.185	ug/l	94
74) N-amyl acetate	12.388	43	8221	0.391	ug/l #	90
76) 1,2,3-Trichloropropane	12.731	75	328500	22.763	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	328500	67.815	ug/l #	5
89) n-Butylbenzene	13.941	91	10098	0.316	ug/l	97
91) 1,2-Dichlorobenzene	13.986	146	3950	0.208	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	14.598	75	622	0.211	ug/l #	33
93) 1,2,4-Trichlorobenzene	15.260	180	6713	4.047	ug/l	98
94) Hexachlorobutadiene	15.370	225	1219	0.217	ug/l #	55
95) Naphthalene	15.507	128	27702	5.833	ug/l	98
96) 1,2,3-Trichlorobenzene	15.703	180	7475	3.944	ug/l	98

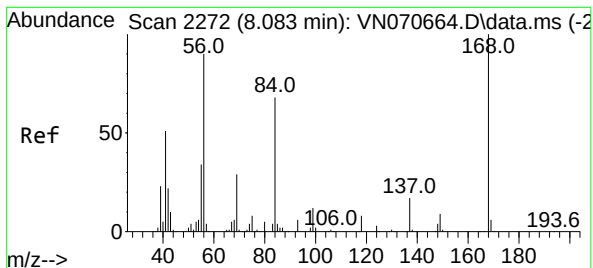
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 18 13:32:07 2022
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.080 min Scan# 21

Delta R.T. -0.003 min

Lab File: VN070722.D

Acq: 20 Jan 2022 16:12

Instrument :

MSVOA_N

ClientSampleId :

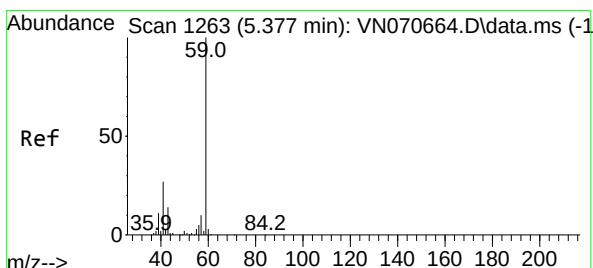
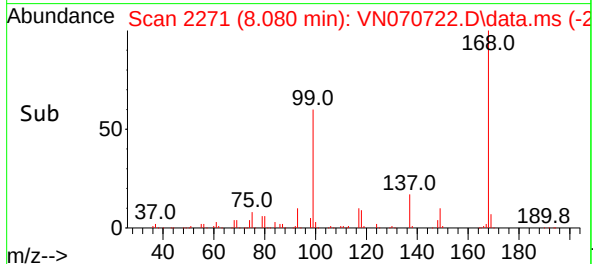
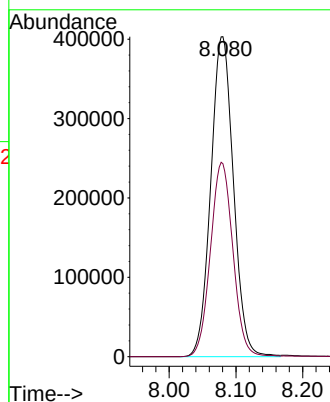
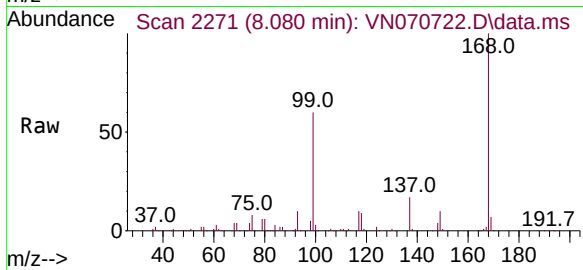
CL-02-011922ME

Tgt Ion:168 Resp: 951317

Ion Ratio Lower Upper

168 100

99 60.3 41.3 61.9



#11

Tert butyl alcohol

Concen: 0.530 ug/l

RT: 5.305 min Scan# 1236

Delta R.T. -0.072 min

Lab File: VN070722.D

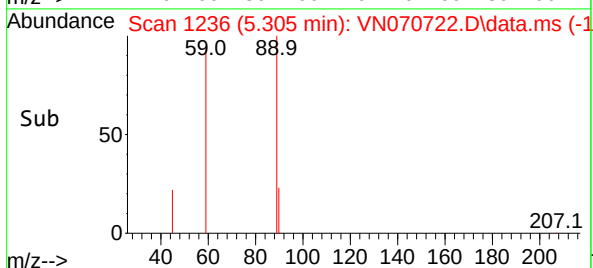
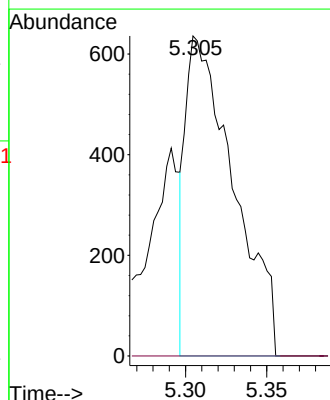
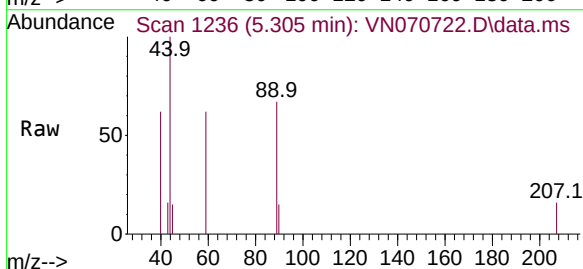
Acq: 20 Jan 2022 16:12

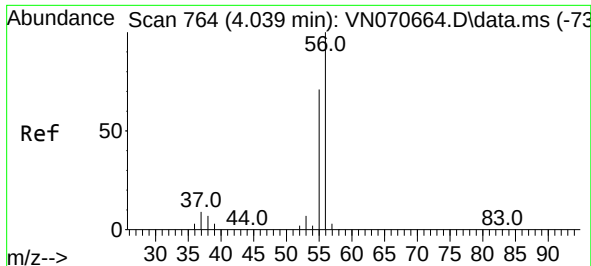
Tgt Ion: 59 Resp: 1304

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#

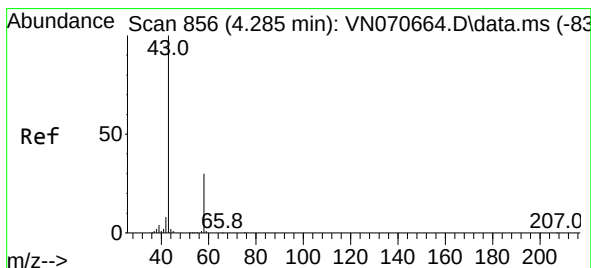
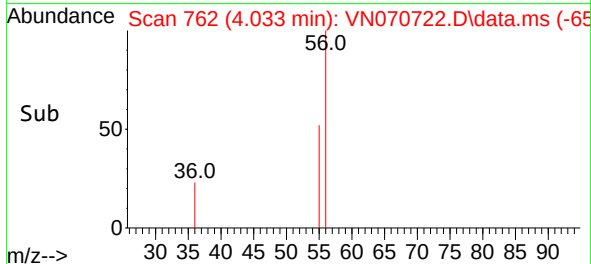
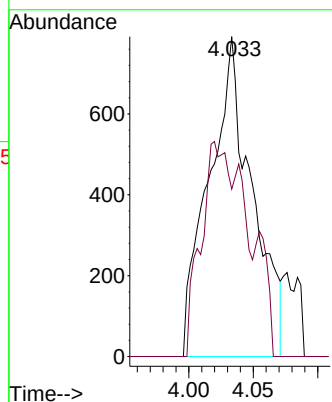
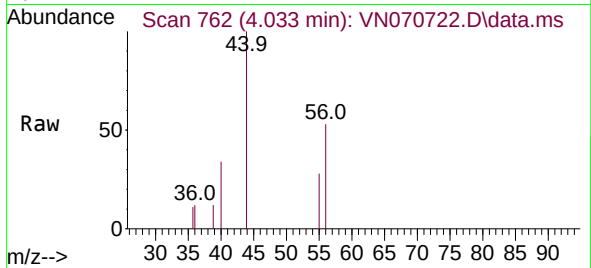




#13
Acrolein
Concen: 0.519 ug/l
RT: 4.033 min Scan# 762
Delta R.T. -0.006 min
Lab File: VN070722.D
Acq: 20 Jan 2022 16:12

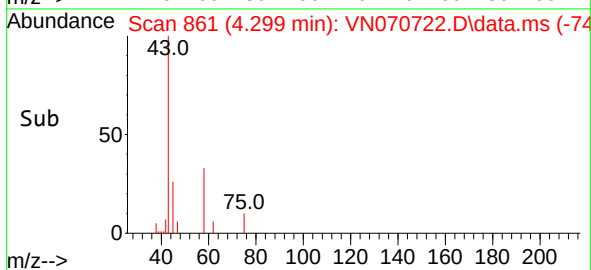
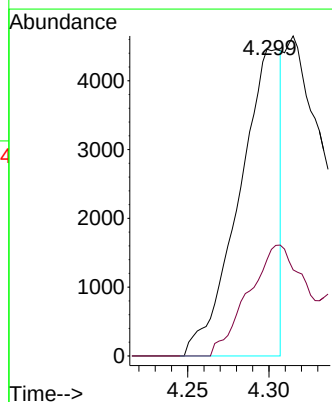
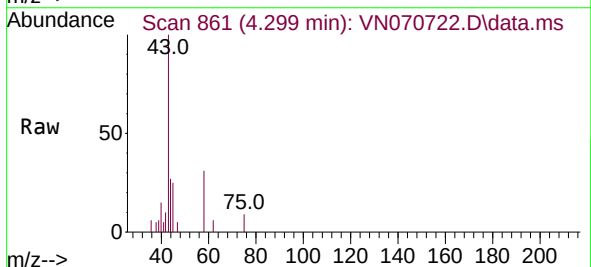
Instrument :
MSVOA_N
ClientSampleId :
CL-02-011922ME

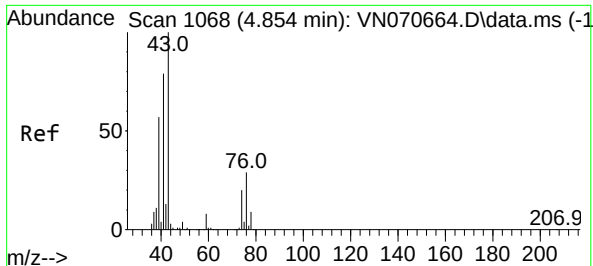
Tgt Ion: 56 Resp: 1830
Ion Ratio Lower Upper
56 100
55 44.7 56.6 85.0#



#16
Acetone
Concen: 0.831 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.014 min
Lab File: VN070722.D
Acq: 20 Jan 2022 16:12

Tgt Ion: 43 Resp: 7867
Ion Ratio Lower Upper
43 100
58 31.5 23.1 34.7





#18

Methyl Acetate

Concen: 0.683 ug/l

RT: 4.854 min Scan# 1149

Delta R.T. -0.000 min

Lab File: VN070722.D

Acq: 20 Jan 2022 16:12

Instrument :

MSVOA_N

ClientSampleId :

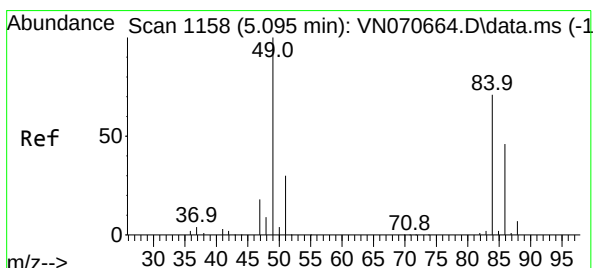
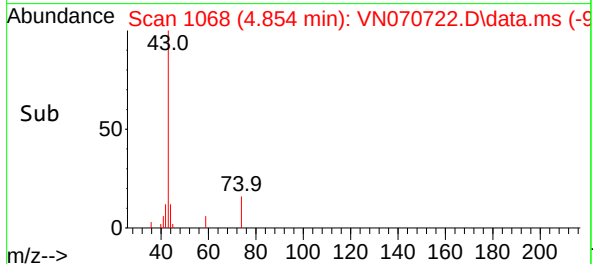
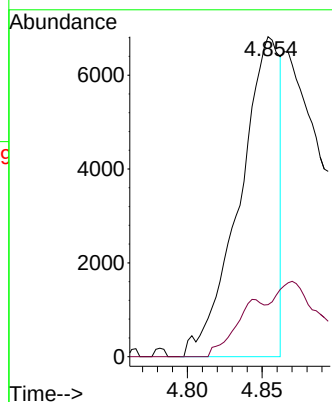
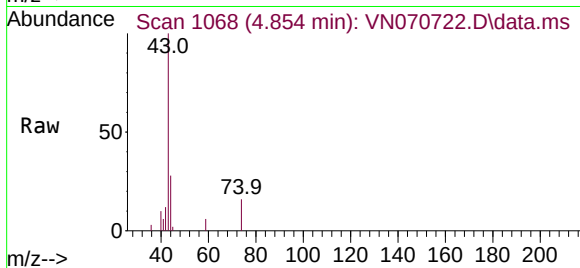
CL-02-011922ME

Tgt Ion: 43 Resp: 12702

Ion Ratio Lower Upper

43 100

74 12.9 19.4 29.2#



#20

Methylene Chloride

Concen: 0.220 ug/l

RT: 5.071 min Scan# 1149

Delta R.T. -0.024 min

Lab File: VN070722.D

Acq: 20 Jan 2022 16:12

Tgt Ion: 84 Resp: 2743

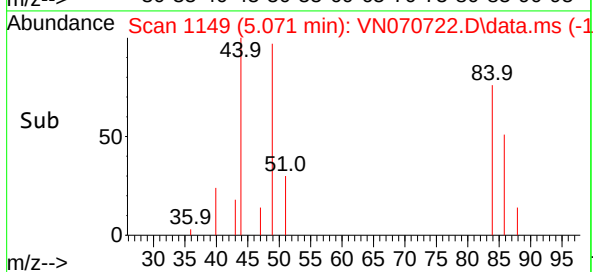
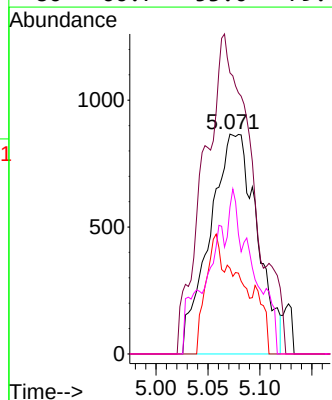
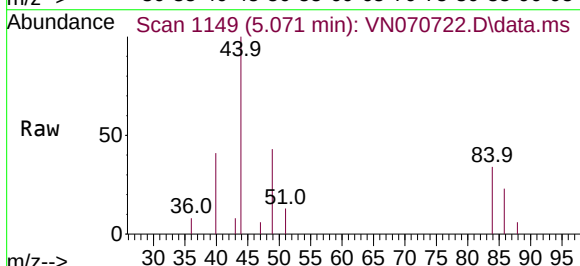
Ion Ratio Lower Upper

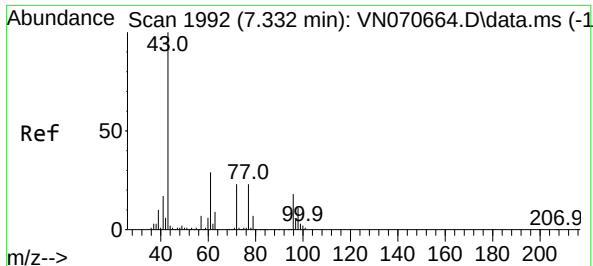
84 100

49 106.5 93.5 140.3

51 39.0 29.4 44.2

86 66.7 53.0 79.4





#25

2-Butanone

Concen: 8.855 ug/l

RT: 7.348 min Scan# 1992

Delta R.T. 0.016 min

Lab File: VN070722.D

Acq: 20 Jan 2022 16:12

Instrument :

MSVOA_N

ClientSampleId :

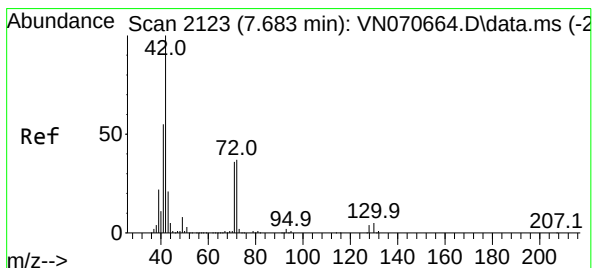
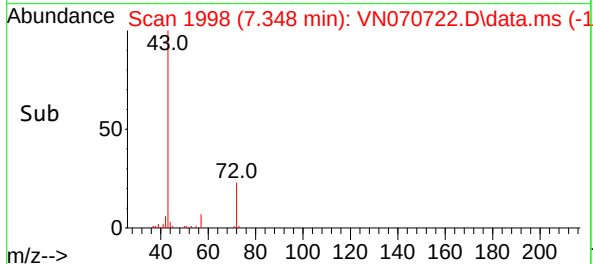
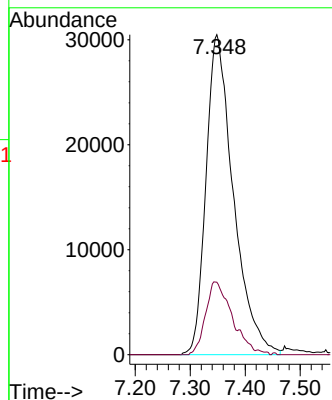
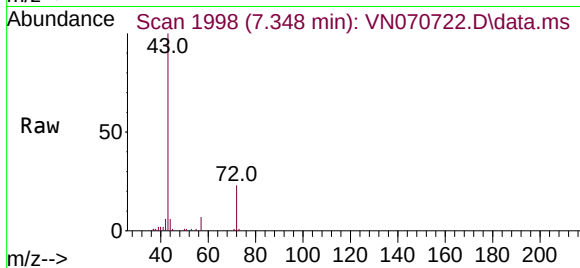
CL-02-011922ME

Tgt Ion: 43 Resp: 105443

Ion Ratio Lower Upper

43 100

72 22.6 21.7 32.5



#29

Tetrahydrofuran

Concen: 1.084 ug/l

RT: 7.702 min Scan# 2130

Delta R.T. 0.019 min

Lab File: VN070722.D

Acq: 20 Jan 2022 16:12

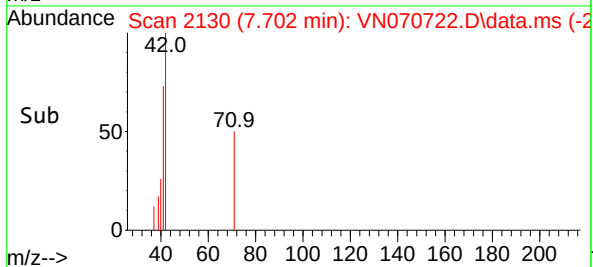
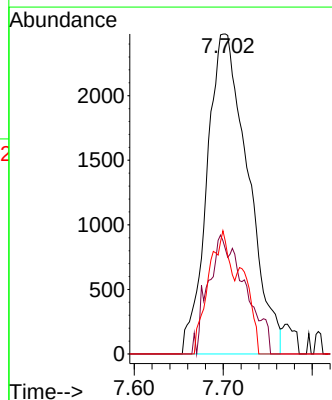
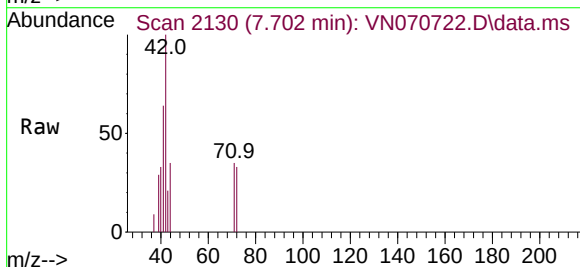
Tgt Ion: 42 Resp: 7906

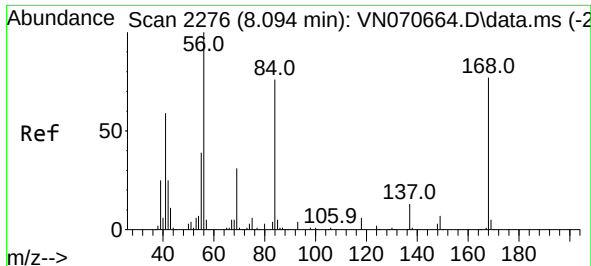
Ion Ratio Lower Upper

42 100

72 17.3 36.3 54.5#

71 21.5 34.7 52.1#

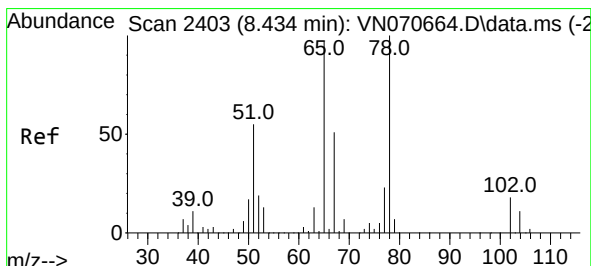
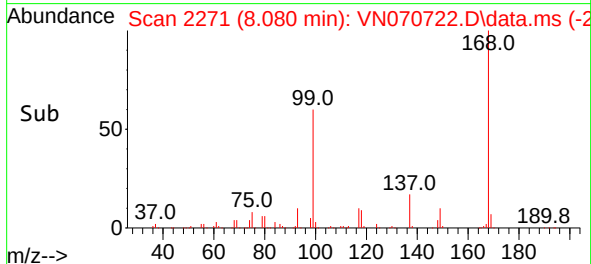
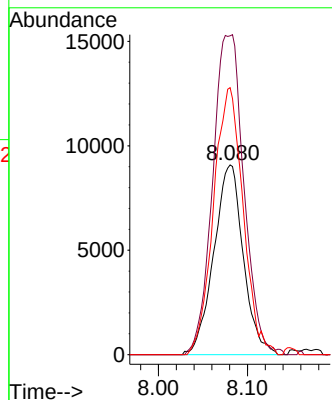
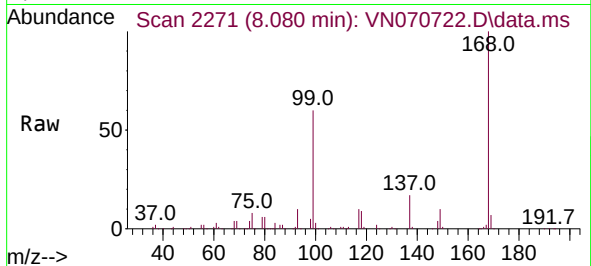




#31
Cyclohexane
Concen: 0.872 ug/l
RT: 8.080 min Scan# 21
Delta R.T. -0.014 min
Lab File: VN070722.D
Acq: 20 Jan 2022 16:12

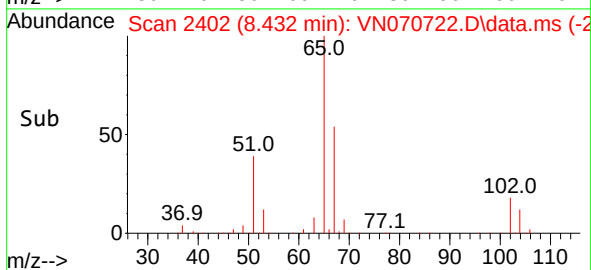
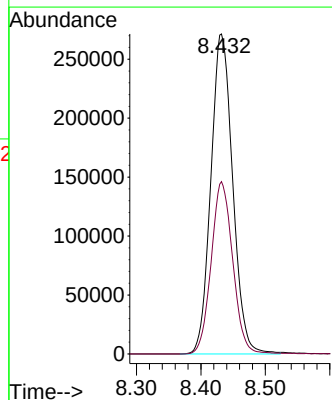
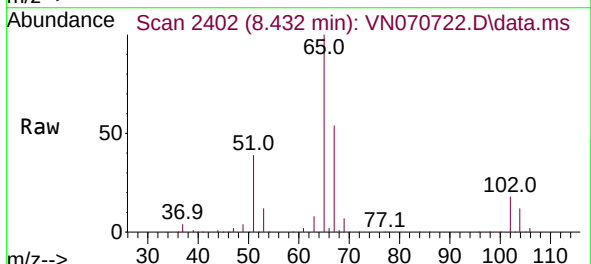
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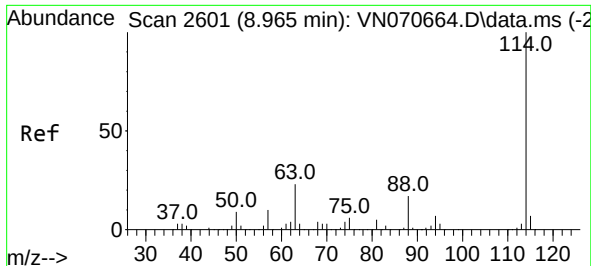
Tgt Ion: 56 Resp: 20931
Ion Ratio Lower Upper
56 100
69 168.0 27.1 40.7#
84 140.7 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 46.869 ug/l
RT: 8.432 min Scan# 2402
Delta R.T. -0.002 min
Lab File: VN070722.D
Acq: 20 Jan 2022 16:12

Tgt Ion: 65 Resp: 639007
Ion Ratio Lower Upper
65 100
67 53.1 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 2

Delta R.T. -0.002 min

Lab File: VN070722.D

Acq: 20 Jan 2022 16:12

Instrument :

MSVOA_N

ClientSampleId :

CL-02-011922ME

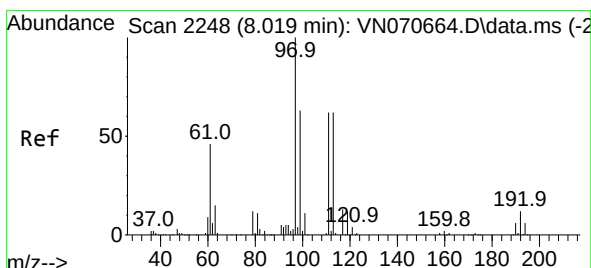
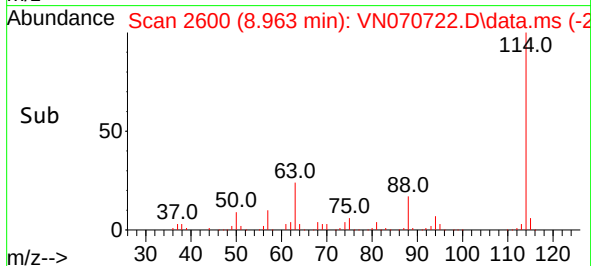
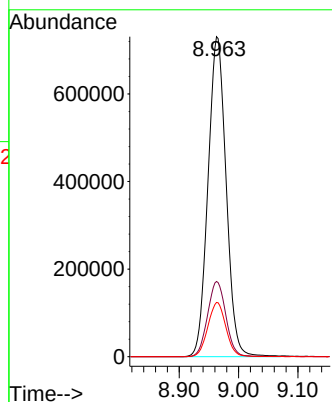
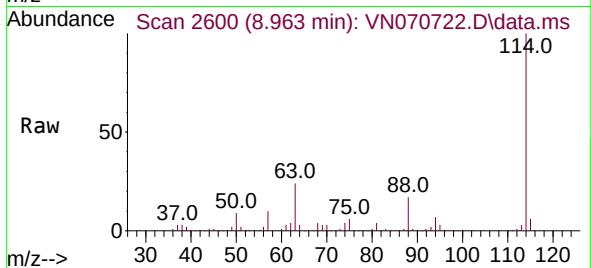
Tgt Ion:114 Resp: 1545952

Ion Ratio Lower Upper

114 100

63 23.5 0.0 37.8

88 17.0 0.0 27.4



#35

Dibromofluoromethane

Concen: 45.314 ug/l

RT: 8.019 min Scan# 2248

Delta R.T. -0.000 min

Lab File: VN070722.D

Acq: 20 Jan 2022 16:12

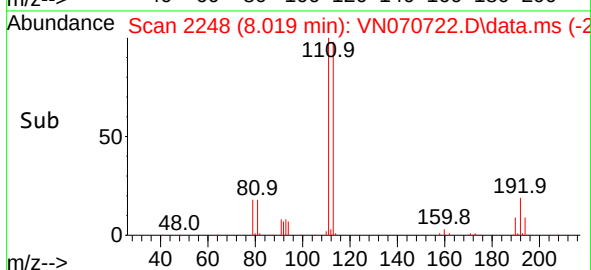
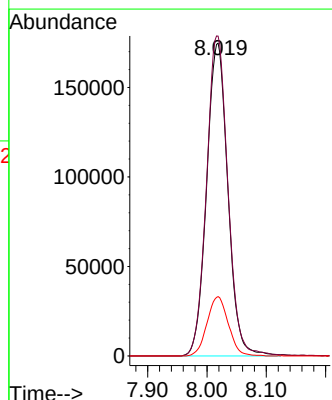
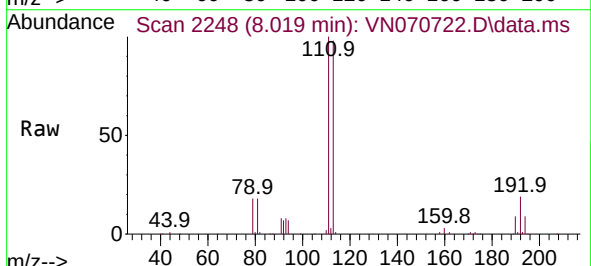
Tgt Ion:113 Resp: 434540

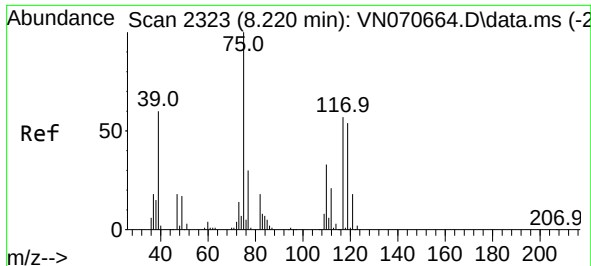
Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.2

192 19.0 16.9 25.3

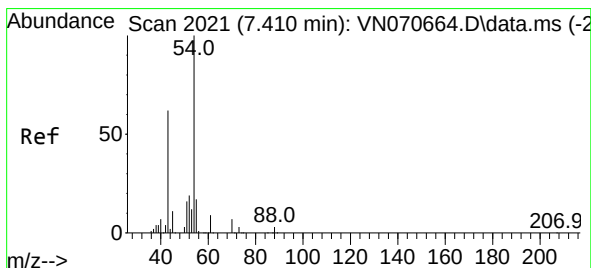
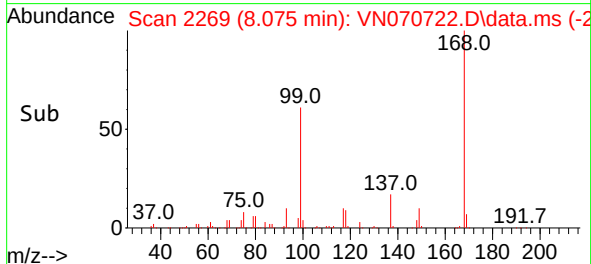
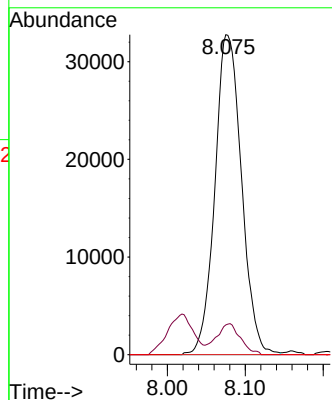
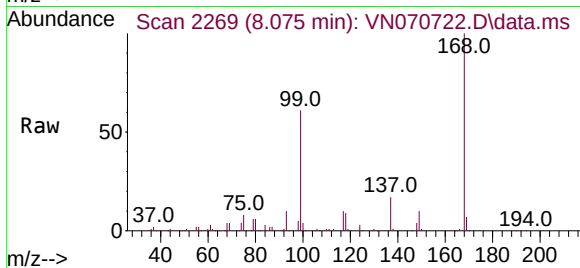




#36
1,1-Dichloropropene
Concen: 4.811 ug/l
RT: 8.075 min Scan# 21
Delta R.T. -0.145 min
Lab File: VN070722.D
Acq: 20 Jan 2022 16:12

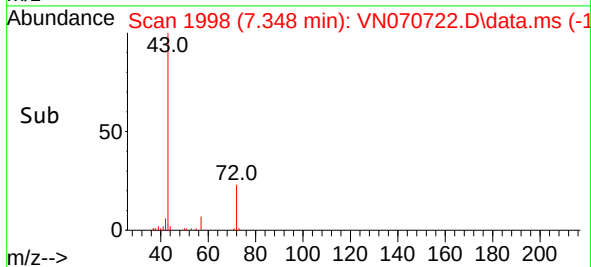
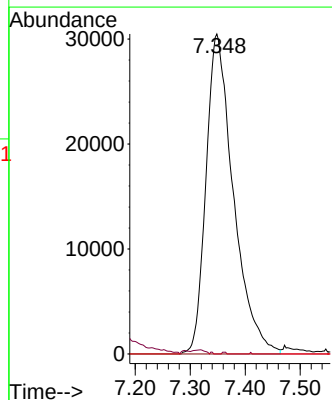
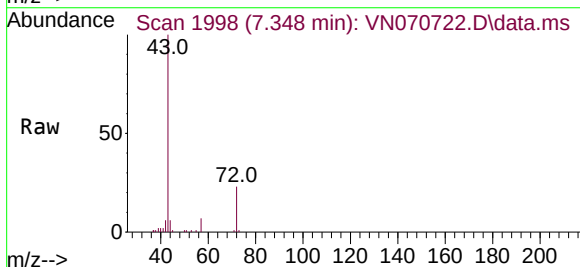
Instrument :
MSVOA_N
ClientSampleId :
CL-02-011922ME

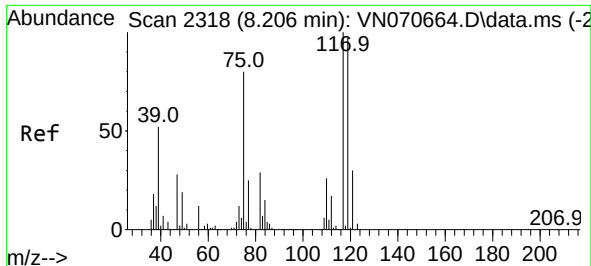
Tgt Ion: 75 Resp: 77662
Ion Ratio Lower Upper
75 100
110 8.7 18.4 55.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 4.920 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. -0.062 min
Lab File: VN070722.D
Acq: 20 Jan 2022 16:12

Tgt Ion: 43 Resp: 105443
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#

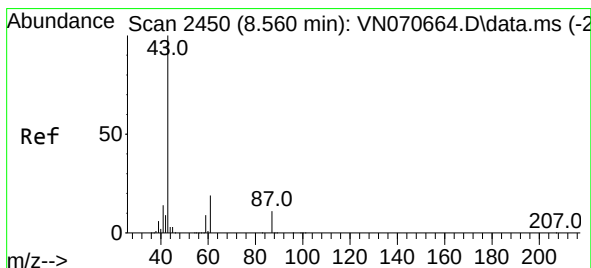
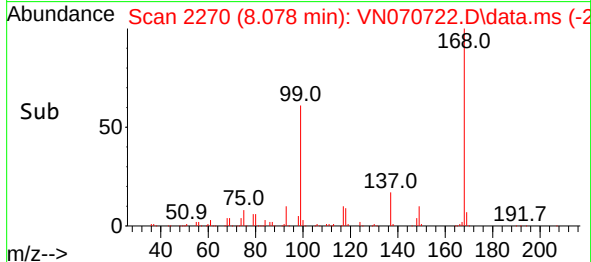
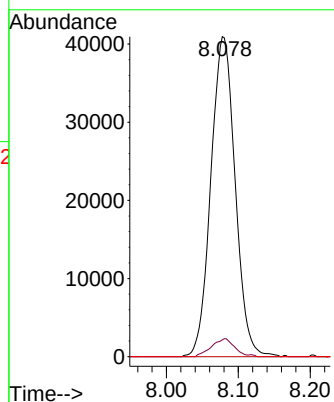
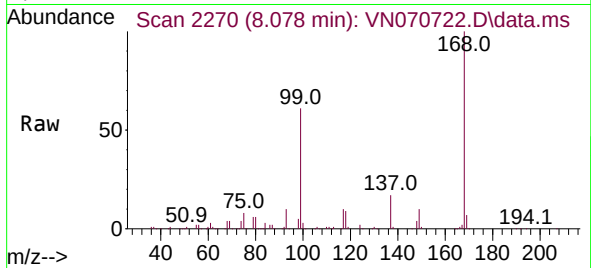




#38
Carbon Tetrachloride
Concen: 6.688 ug/l
RT: 8.078 min Scan# 211
Delta R.T. -0.128 min
Lab File: VN070722.D
Acq: 20 Jan 2022 16:12

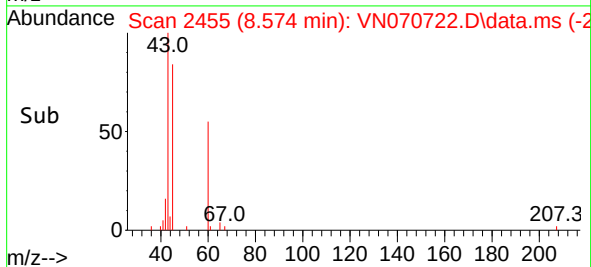
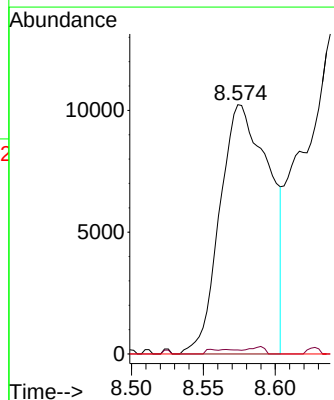
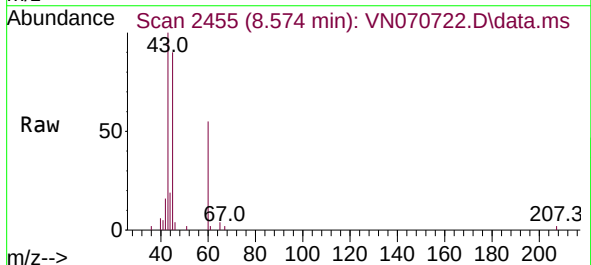
Instrument :
MSVOA_N
ClientSampleId :
CL-02-011922ME

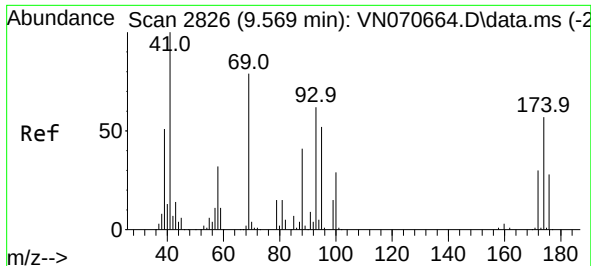
Tgt Ion: 117 Resp: 96058
Ion Ratio Lower Upper
117 100
119 5.3 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 0.752 ug/l
RT: 8.574 min Scan# 2455
Delta R.T. 0.014 min
Lab File: VN070722.D
Acq: 20 Jan 2022 16:12

Tgt Ion: 43 Resp: 24603
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#

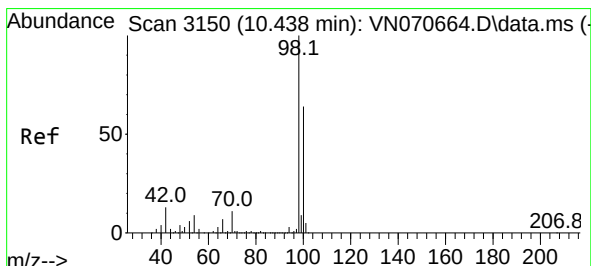
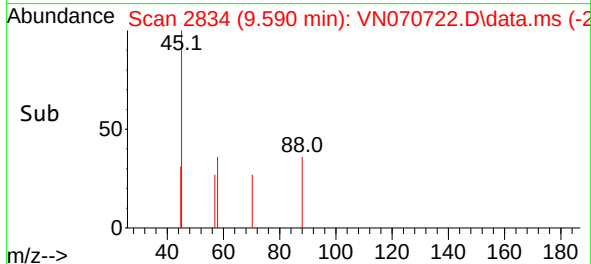
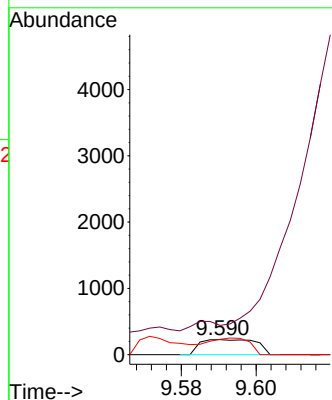
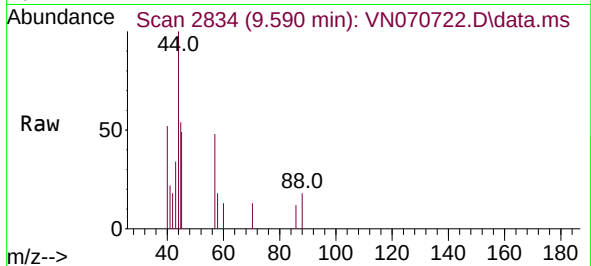




#49
1,4-Dioxane
Concen: 1.012 ug/l
RT: 9.590 min Scan# 21
Delta R.T. 0.021 min
Lab File: VN070722.D
Acq: 20 Jan 2022 16:12

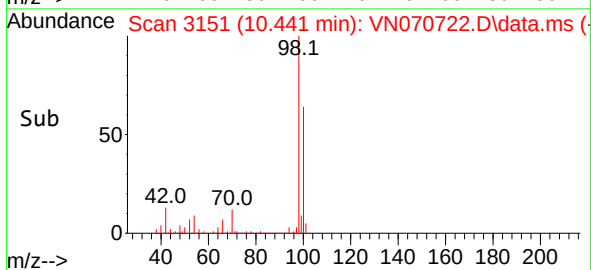
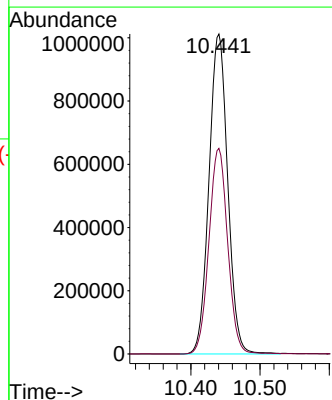
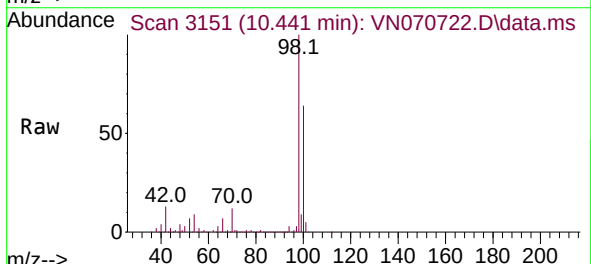
Instrument :
MSVOA_N
ClientSampleId :
CL-02-011922ME

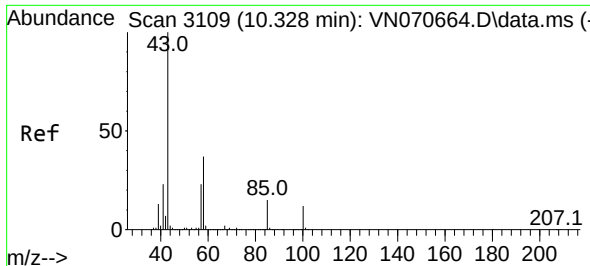
Tgt Ion: 88 Resp: 237
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 86.9 50.6 75.8#



#50
Toluene-d8
Concen: 47.056 ug/l
RT: 10.441 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VN070722.D
Acq: 20 Jan 2022 16:12

Tgt Ion: 98 Resp: 1900989
Ion Ratio Lower Upper
98 100
100 64.3 50.4 75.6

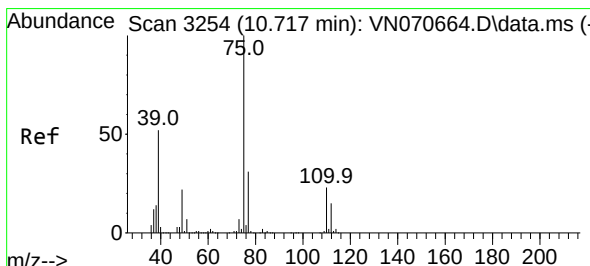
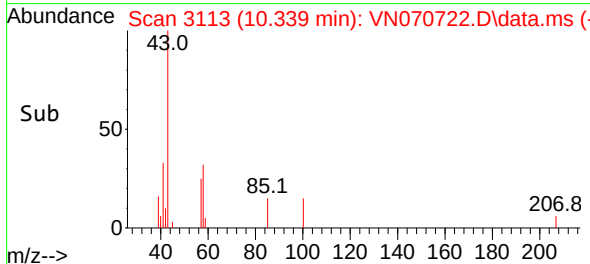
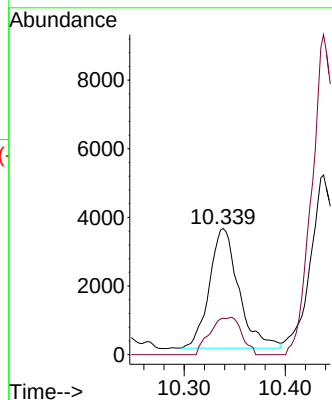
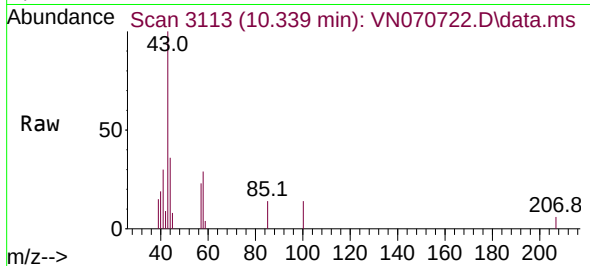




#51
4-Methyl-2-Pentanone
Concen: 0.338 ug/l
RT: 10.339 min Scan# 3113
Delta R.T. 0.011 min
Lab File: VN070722.D
Acq: 20 Jan 2022 16:12

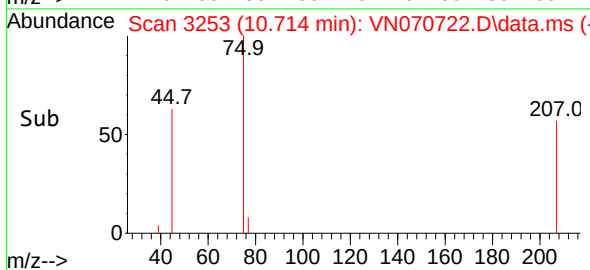
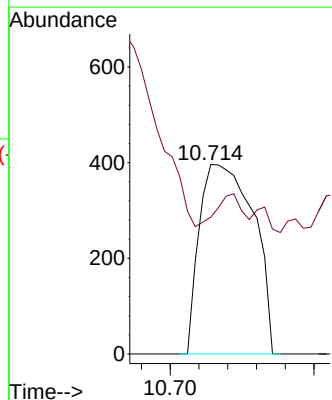
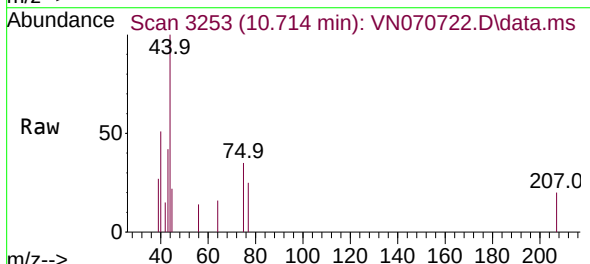
Instrument :
MSVOA_N
ClientSampleId :
CL-02-011922ME

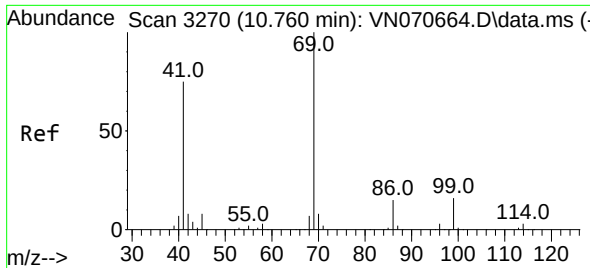
Tgt Ion: 43 Resp: 7057
Ion Ratio Lower Upper
43 100
58 33.3 30.4 45.6



#53
t-1,3-Dichloropropene
Concen: 2.429 ug/l
RT: 10.714 min Scan# 3253
Delta R.T. -0.003 min
Lab File: VN070722.D
Acq: 20 Jan 2022 16:12

Tgt Ion: 75 Resp: 516
Ion Ratio Lower Upper
75 100
77 8.1 25.6 38.4#

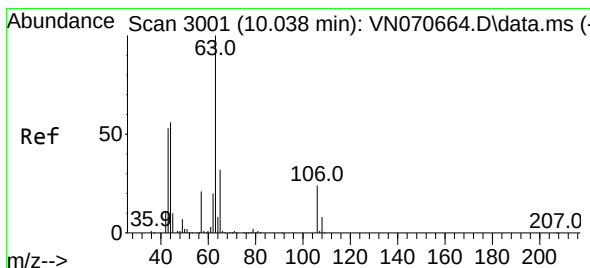
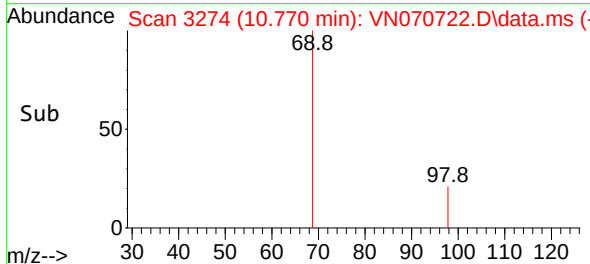
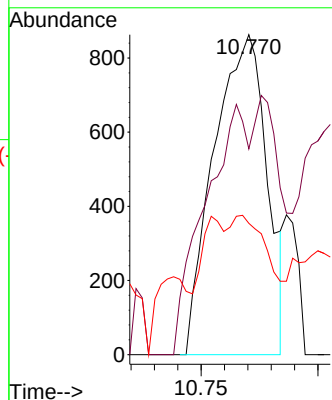
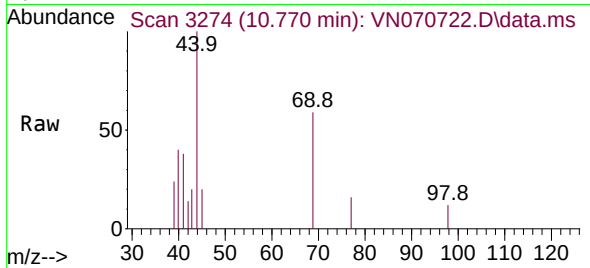




#56
Ethyl methacrylate
Concen: 2.360 ug/l
RT: 10.770 min Scan# 31
Delta R.T. 0.010 min
Lab File: VN070722.D
Acq: 20 Jan 2022 16:12

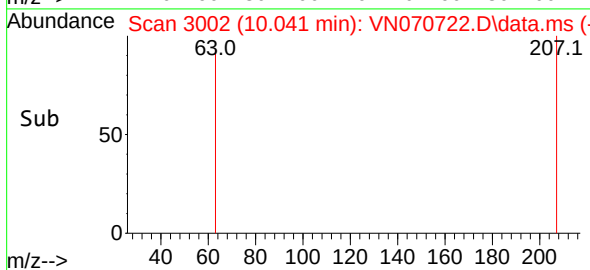
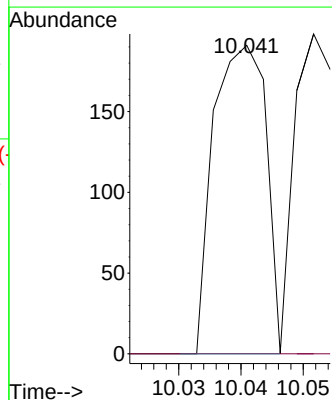
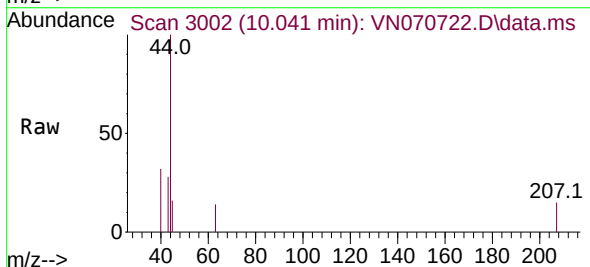
Instrument :
MSVOA_N
ClientSampleId :
CL-02-011922ME

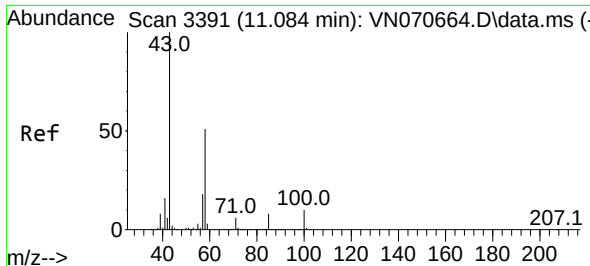
Tgt Ion: 69 Resp: 1359
Ion Ratio Lower Upper
69 100
41 64.2 51.4 77.0
39 9.4 34.6 52.0#



#58
2-Chloroethyl Vinyl ether
Concen: 21.255 ug/l
RT: 10.041 min Scan# 3002
Delta R.T. 0.003 min
Lab File: VN070722.D
Acq: 20 Jan 2022 16:12

Tgt Ion: 63 Resp: 112
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

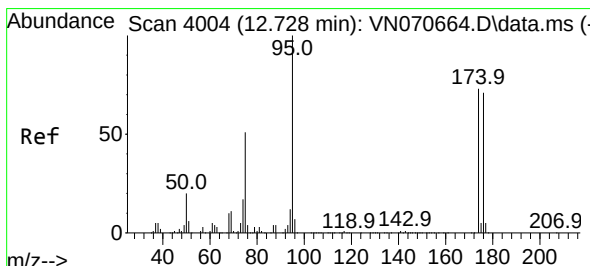
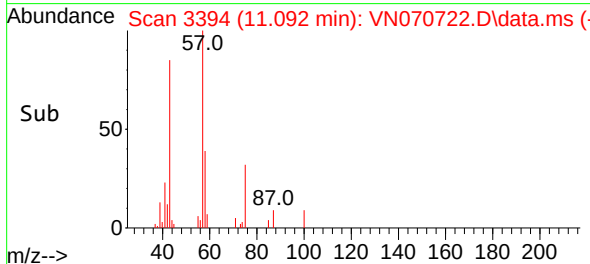
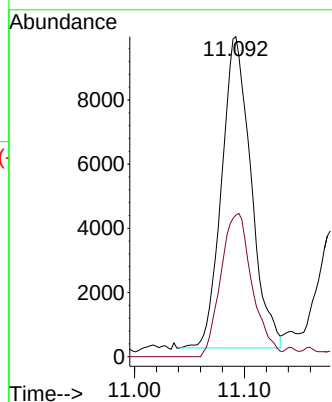
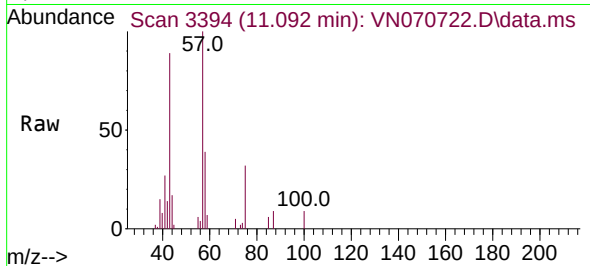




#59
2-Hexanone
Concen: 1.185 ug/l
RT: 11.092 min Scan# 31
Delta R.T. 0.008 min
Lab File: VN070722.D
Acq: 20 Jan 2022 16:12

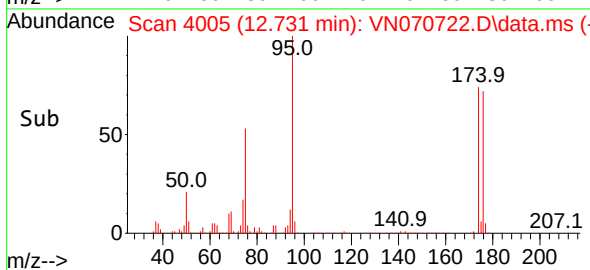
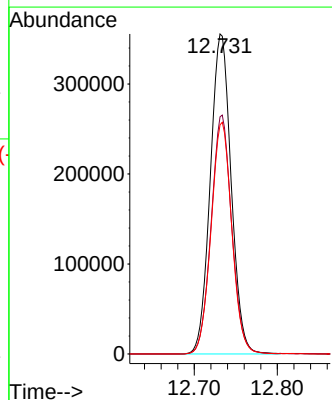
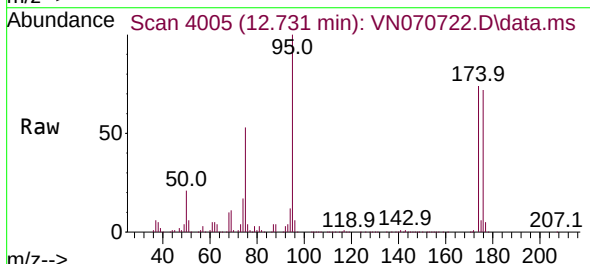
Instrument :
MSVOA_N
ClientSampleId :
CL-02-011922ME

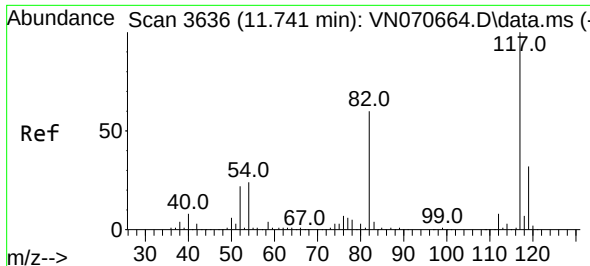
Tgt Ion: 43 Resp: 17986
Ion Ratio Lower Upper
43 100
58 49.2 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 43.048 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070722.D
Acq: 20 Jan 2022 16:12

Tgt Ion: 95 Resp: 619701
Ion Ratio Lower Upper
95 100
174 73.7 0.0 187.2
176 72.0 0.0 181.4

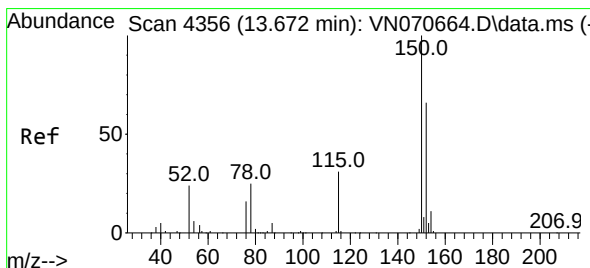
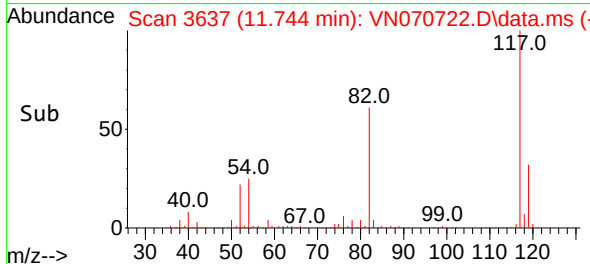
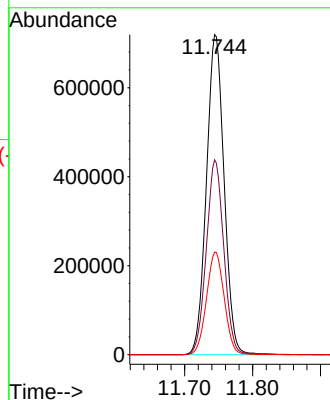
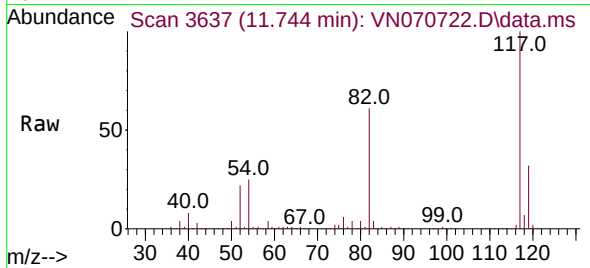




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 30
Delta R.T. 0.003 min
Lab File: VN070722.D
Acq: 20 Jan 2022 16:12

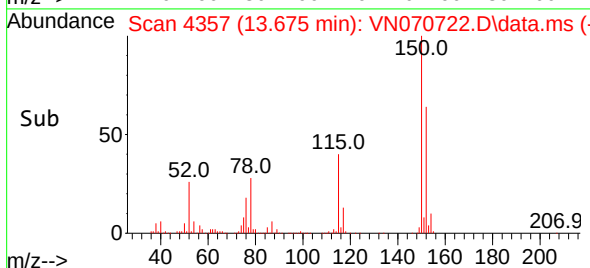
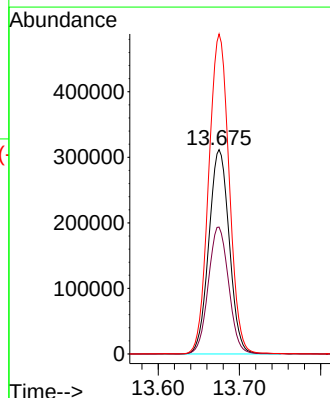
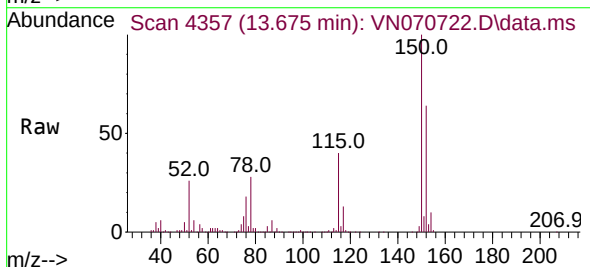
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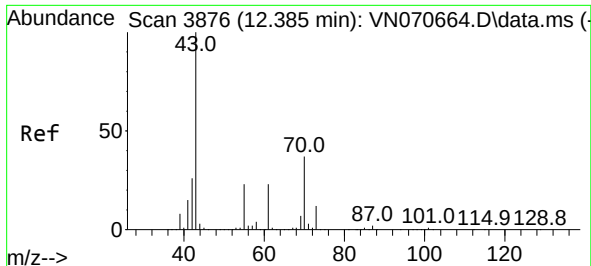
Tgt Ion:117 Resp: 1298691
Ion Ratio Lower Upper
117 100
82 60.9 42.4 63.6
119 32.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070722.D
Acq: 20 Jan 2022 16:12

Tgt Ion:152 Resp: 544108
Ion Ratio Lower Upper
152 100
115 61.9 27.5 82.5
150 156.5 0.0 344.4

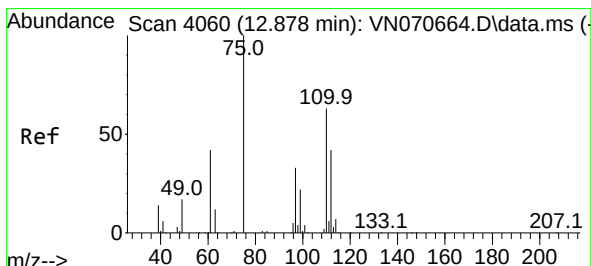
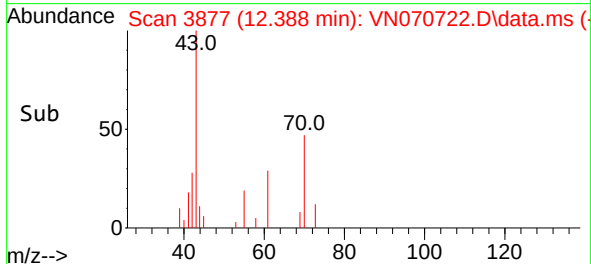
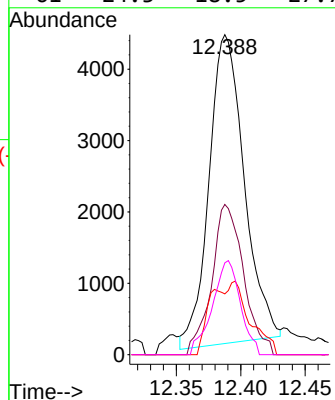
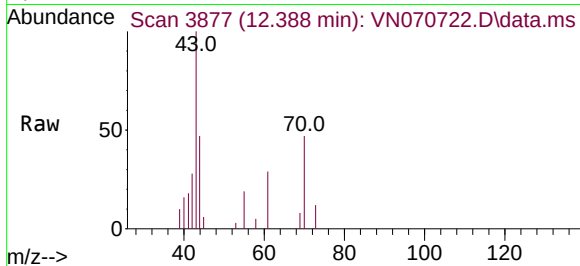




#74
N-amy1 acetate
Concen: 0.391 ug/l
RT: 12.388 min Scan# 3876
Delta R.T. 0.003 min
Lab File: VN070722.D
Acq: 20 Jan 2022 16:12

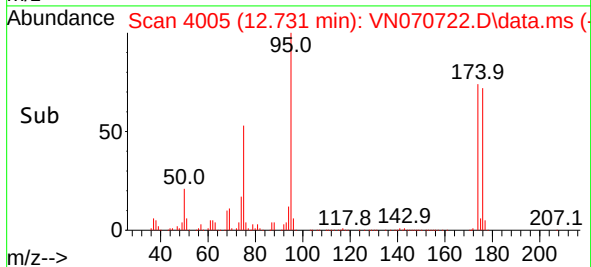
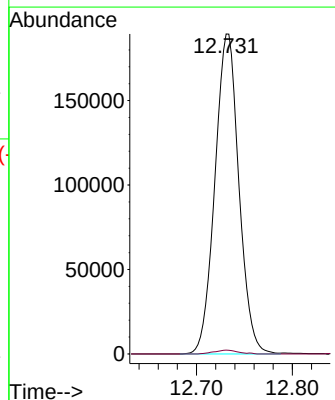
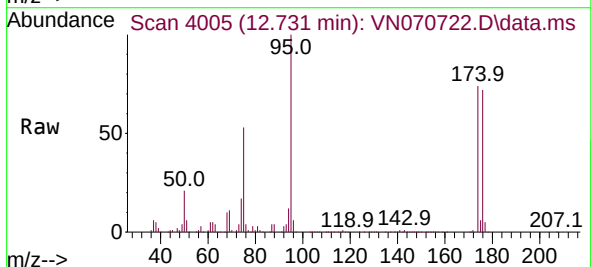
Instrument :
MSVOA_N
ClientSampleId :
CL-02-011922ME

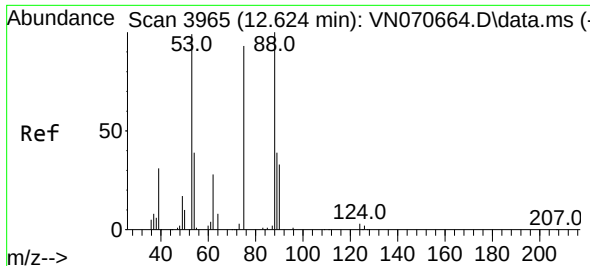
Tgt Ion: 43	Resp: 8221
Ion Ratio	Lower Upper
43	100
70	44.1 33.4 50.0
55	11.2 19.3 28.9
61	24.3 18.5 27.7



#76
1,2,3-Trichloropropane
Concen: 22.763 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070722.D
Acq: 20 Jan 2022 16:12

Tgt Ion: 75	Resp: 328500
Ion Ratio	Lower Upper
75	100
77	1.2 82.6 247.8

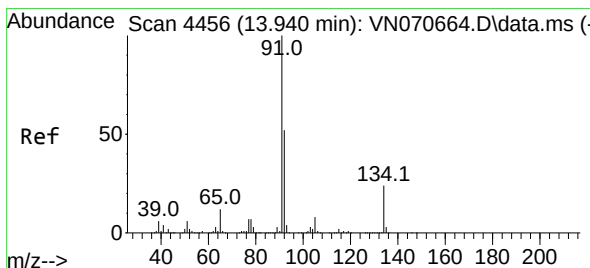
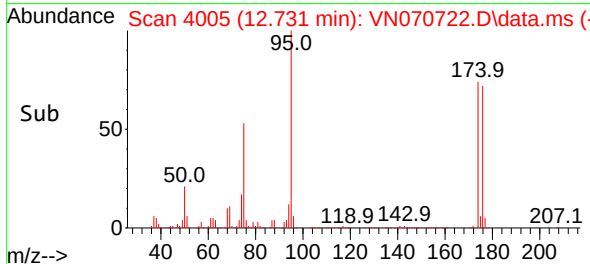
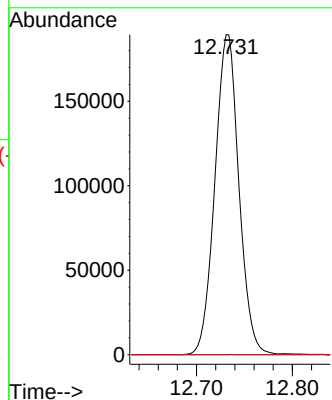
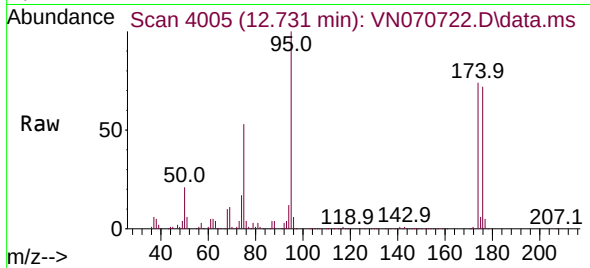




#81
trans-1,4-Dichloro-2-butene
Concen: 67.815 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070722.D
Acq: 20 Jan 2022 16:12

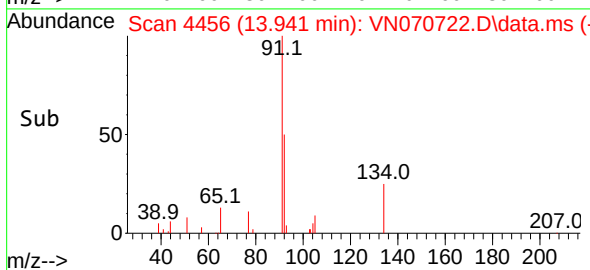
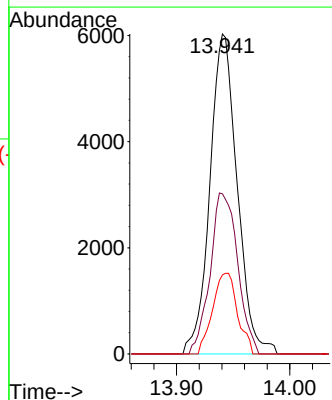
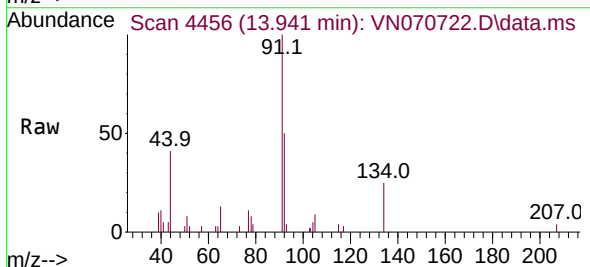
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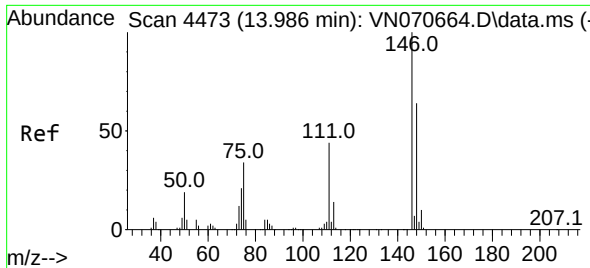
Tgt Ion: 75 Resp: 328500
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#89
n-Butylbenzene
Concen: 0.316 ug/l
RT: 13.941 min Scan# 4456
Delta R.T. 0.001 min
Lab File: VN070722.D
Acq: 20 Jan 2022 16:12

Tgt Ion: 91 Resp: 10098
Ion Ratio Lower Upper
91 100
92 50.6 25.4 76.0
134 22.9 13.6 40.8

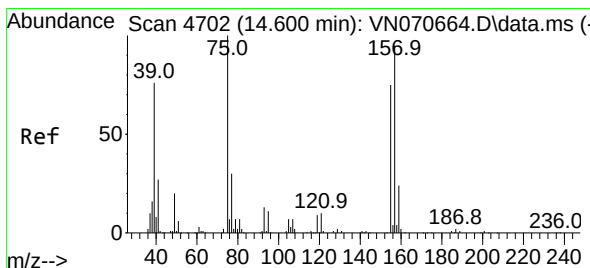
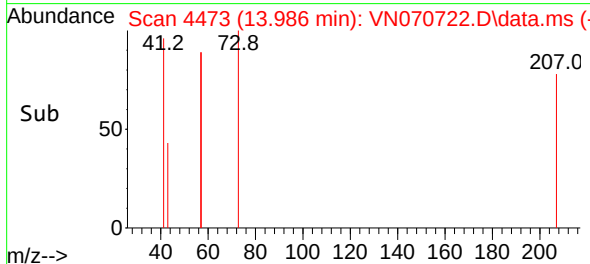
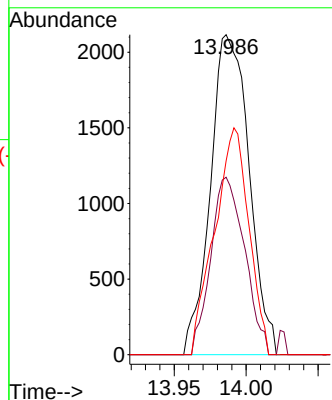
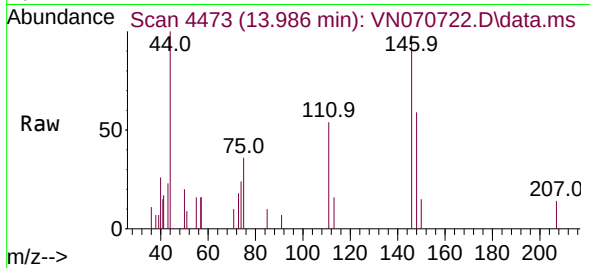




#91
1,2-Dichlorobenzene
Concen: 0.208 ug/l
RT: 13.986 min Scan# 4473
Delta R.T. 0.000 min
Lab File: VN070722.D
Acq: 20 Jan 2022 16:12

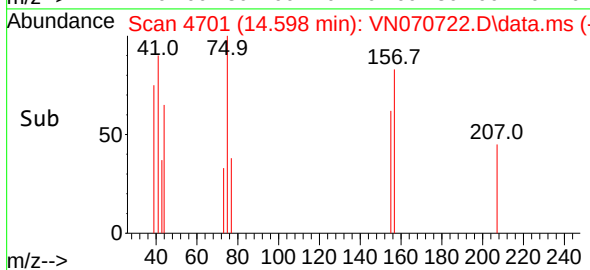
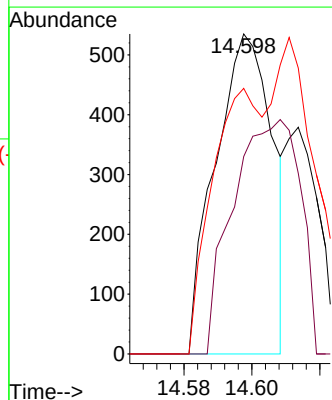
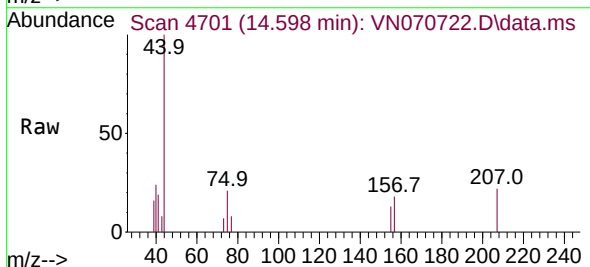
Instrument :
MSVOA_N
ClientSampleId :
CL-02-011922ME

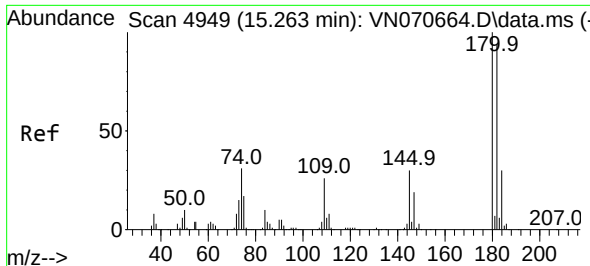
Tgt Ion:146 Resp: 3950
Ion Ratio Lower Upper
146 100
111 48.9 19.1 57.3
148 63.1 32.1 96.3



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.211 ug/l
RT: 14.598 min Scan# 4701
Delta R.T. -0.002 min
Lab File: VN070722.D
Acq: 20 Jan 2022 16:12

Tgt Ion: 75 Resp: 622
Ion Ratio Lower Upper
75 100
155 0.0 46.9 140.7#
157 72.3 60.6 181.7

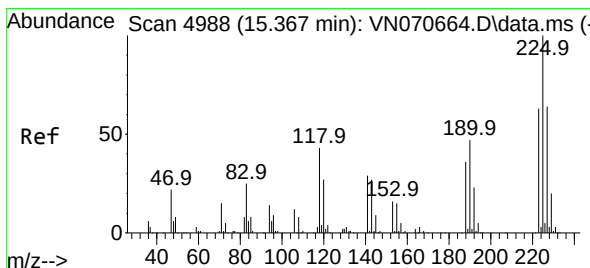
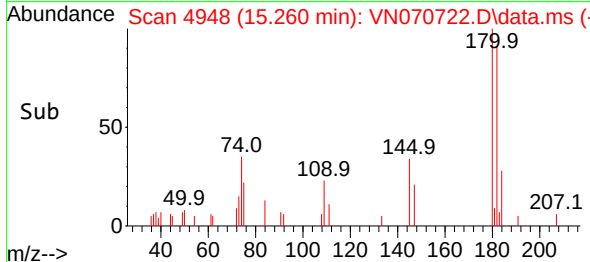
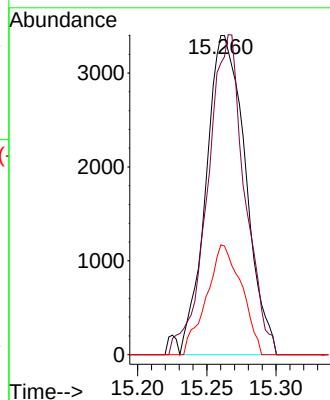
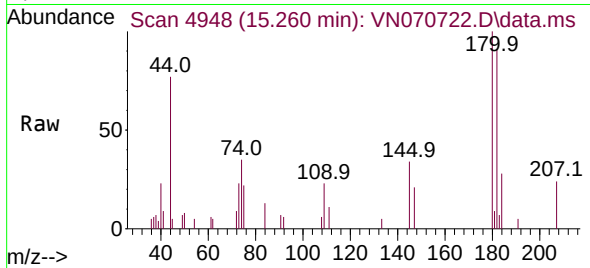




#93
 1,2,4-Trichlorobenzene
 Concen: 4.047 ug/l
 RT: 15.260 min Scan# 4949
 Delta R.T. -0.003 min
 Lab File: VN070722.D
 Acq: 20 Jan 2022 16:12

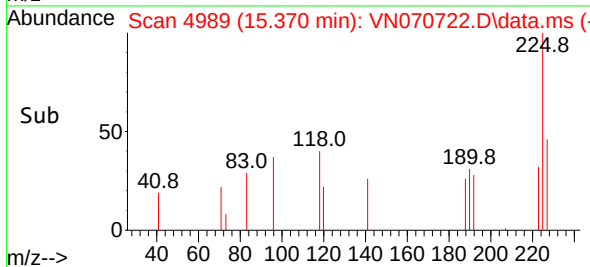
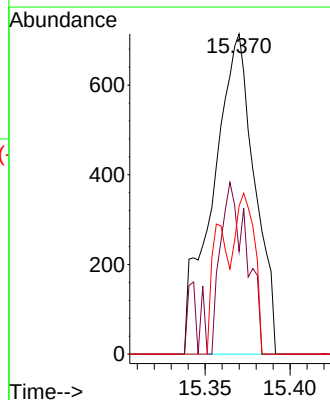
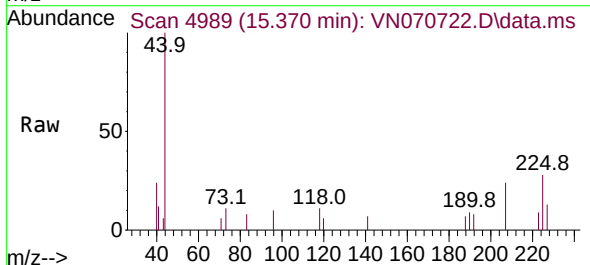
Instrument :
 MSVOA_N
 ClientSampleId :
 CL-02-011922ME

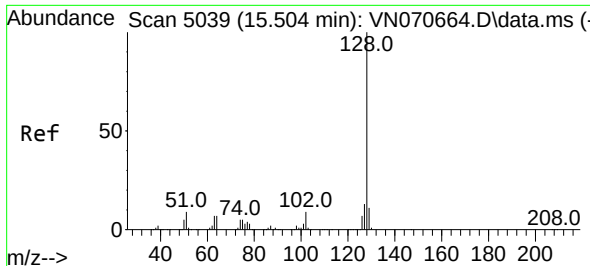
Tgt Ion:180 Resp: 6713
 Ion Ratio Lower Upper
 180 100
 182 94.7 48.3 144.9
 145 30.7 14.5 43.5



#94
 Hexachlorobutadiene
 Concen: 0.217 ug/l
 RT: 15.370 min Scan# 4989
 Delta R.T. 0.003 min
 Lab File: VN070722.D
 Acq: 20 Jan 2022 16:12

Tgt Ion:225 Resp: 1219
 Ion Ratio Lower Upper
 225 100
 223 33.9 31.9 95.7
 227 23.3 32.1 96.3#

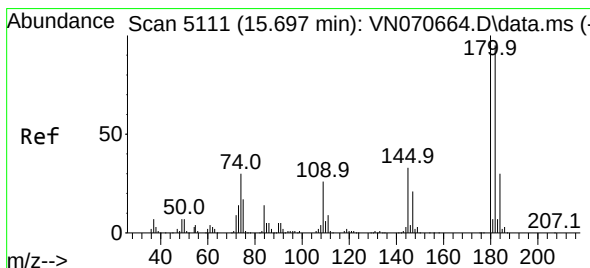
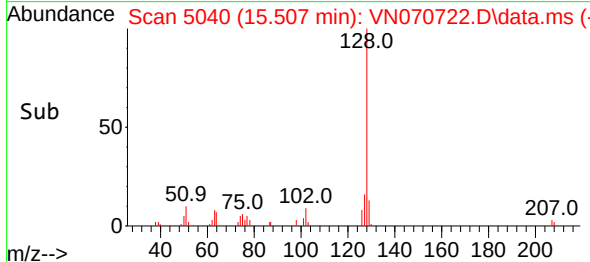
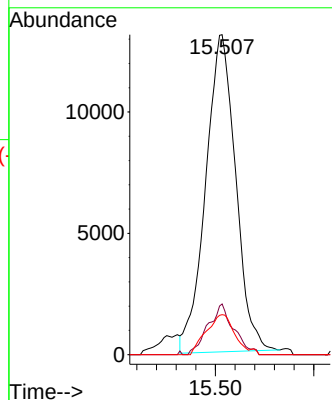
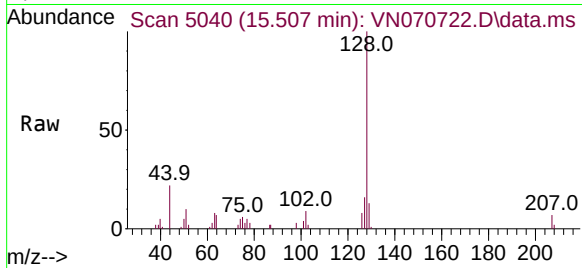




#95
Naphthalene
Concen: 5.833 ug/l
RT: 15.507 min Scan# 5039
Delta R.T. 0.003 min
Lab File: VN070722.D
Acq: 20 Jan 2022 16:12

Instrument :
MSVOA_N
ClientSampleId :
CL-02-011922ME

Tgt Ion:	128	Resp:	27702
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.5	15.7
129	12.1	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.944 ug/l
RT: 15.703 min Scan# 5113
Delta R.T. 0.006 min
Lab File: VN070722.D
Acq: 20 Jan 2022 16:12

Tgt Ion:	180	Resp:	7475
Ion Ratio	Lower	Upper	
180	100		
182	94.1	47.4	142.2
145	33.2	15.0	45.1

