

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051022\
 Data File : VN072396.D
 Acq On : 10 May 2022 16:43
 Operator : JC\MD
 Sample : VN0510WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0510WBL01

Quant Time: May 11 03:01:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051022W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 10 15:43:28 2022
 Response via : Initial Calibration

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

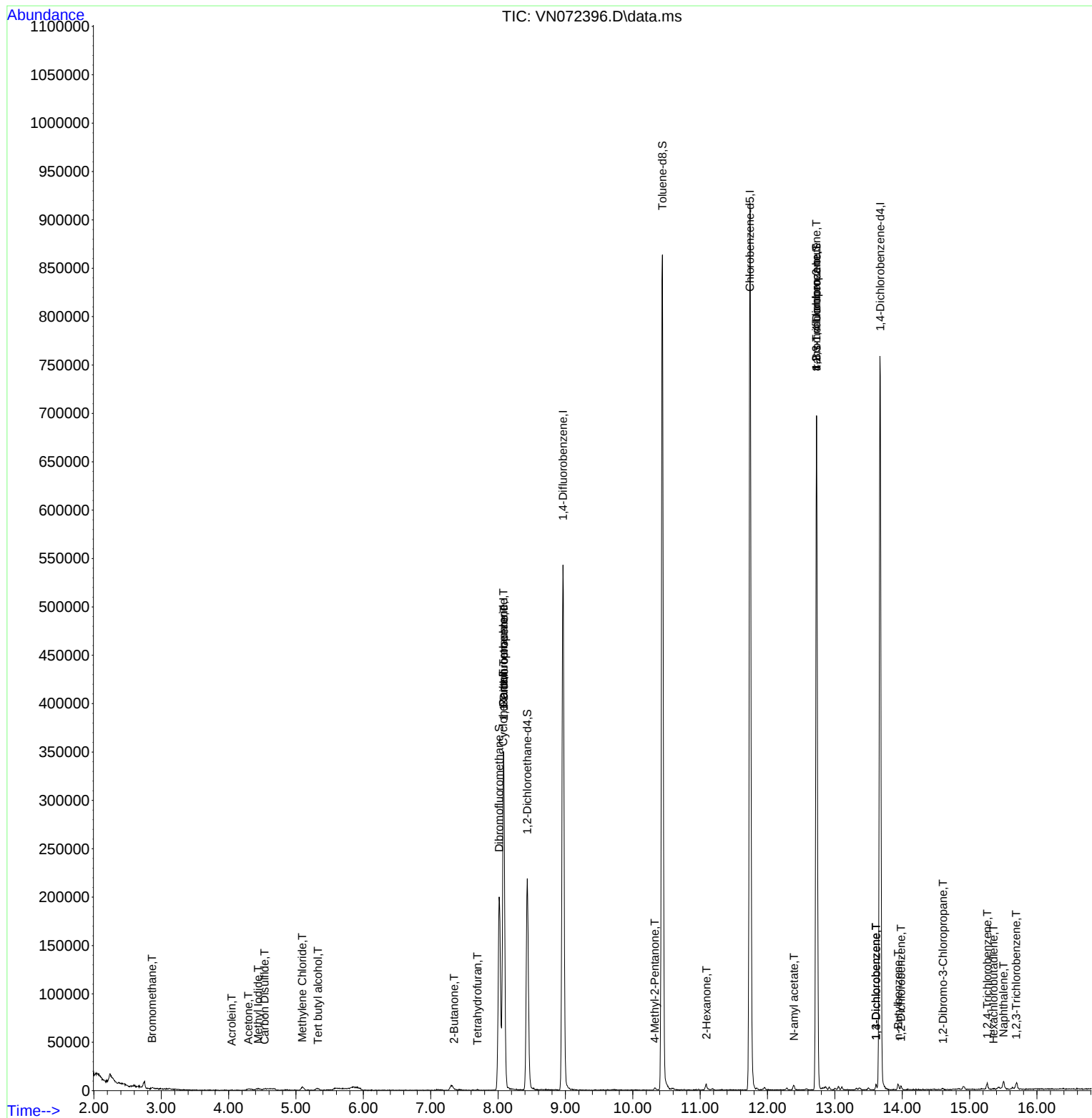
Internal Standards						
1) Pentafluorobenzene	8.080	168	254564	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	479787	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	527624	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	212725	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	188701	48.396	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.800%		
35) Dibromofluoromethane	8.016	113	148314	46.464	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.920%		
50) Toluene-d8	10.439	98	609694	50.152	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.300%		
62) 4-Bromofluorobenzene	12.727	95	244098	60.460	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	120.920%		
Target Compounds						
						Qvalue
3) Chloromethane	2.310	50	696	Below Cal	#	83
5) Bromomethane	2.863	94	1110	0.690	ug/l #	65
6) Chloroethane	2.987	64	303	Below Cal	#	42
10) Methyl Iodide	4.439	142	1988	0.549	ug/l #	75
11) Tert butyl alcohol	5.328	59	922	1.446	ug/l #	72
13) Acrolein	4.045	56	278	0.446	ug/l #	16
16) Acetone	4.292	43	2084	1.350	ug/l #	77
17) Carbon Disulfide	4.534	76	1468	0.221	ug/l #	75
20) Methylene Chloride	5.092	84	2744	0.867	ug/l #	87
25) 2-Butanone	7.345	43	1772	0.727	ug/l	97
29) Tetrahydrofuran	7.692	42	328	0.207	ug/l #	44
31) Cyclohexane	8.075	56	6075	1.176	ug/l #	35
36) 1,1-Dichloropropene	8.086	75	19684	4.293	ug/l #	51
38) Carbon Tetrachloride	8.080	117	27986	5.454	ug/l #	18
51) 4-Methyl-2-Pentanone	10.327	43	2485	0.474	ug/l #	80
59) 2-Hexanone	11.092	43	5004	1.360	ug/l	97
74) N-amyl acetate	12.392	43	3312	0.532	ug/l #	86
76) 1,2,3-Trichloropropane	12.727	75	127426	22.967	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	127426	76.618	ug/l #	10
87) 1,3-Dichlorobenzene	13.609	146	1915	0.263	ug/l	91
88) 1,4-Dichlorobenzene	13.609	146	1915	0.265	ug/l	90
89) n-Butylbenzene	13.939	91	3947	0.393	ug/l	92
91) 1,2-Dichlorobenzene	13.980	146	1821	0.251	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.604	75	336	0.302	ug/l #	63
93) 1,2,4-Trichlorobenzene	15.262	180	2228	0.810	ug/l	88
94) Hexachlorobutadiene	15.356	225	371	0.204	ug/l #	48
95) Naphthalene	15.503	128	9572	4.058	ug/l	99
96) 1,2,3-Trichlorobenzene	15.692	180	3041	1.103	ug/l	94

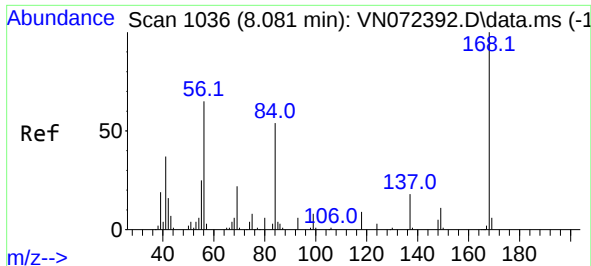
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051022\
Data File : VN072396.D
Acq On : 10 May 2022 16:43
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Sample : VN0510WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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Quant Time: May 11 03:01:19 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051022W.M
Quant Title : SW846 8260
QLast Update : Tue May 10 15:43:28 2022
Response via : Initial Calibration

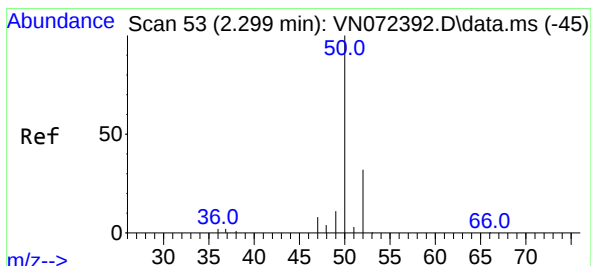
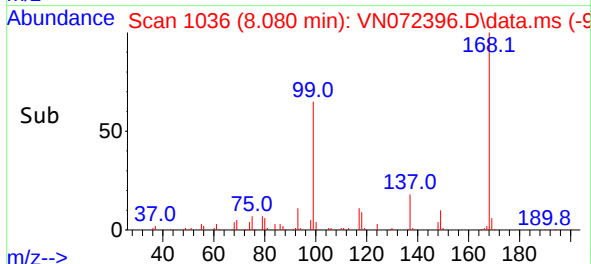
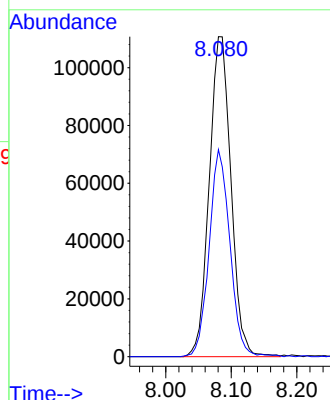
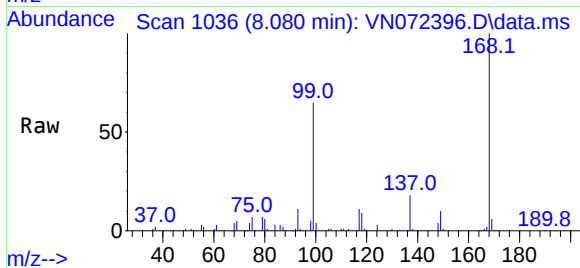




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN072396.D
Acq: 10 May 2022 16:43

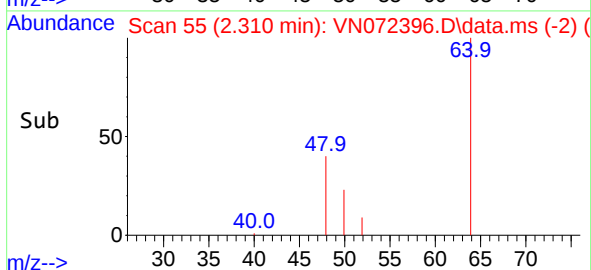
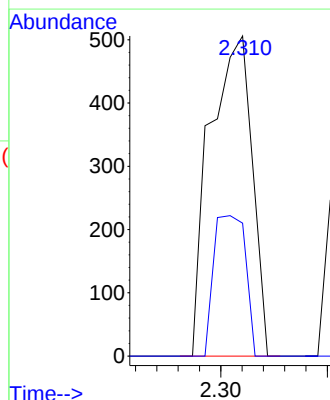
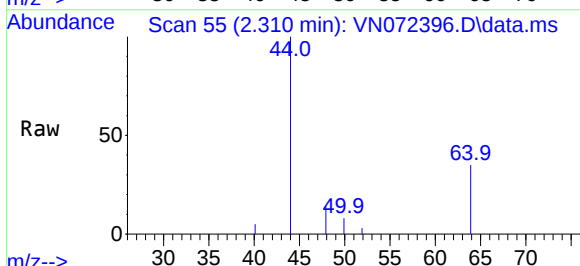
Instrument :
MSVOA_N
ClientSampleId :
VN0510WBL01

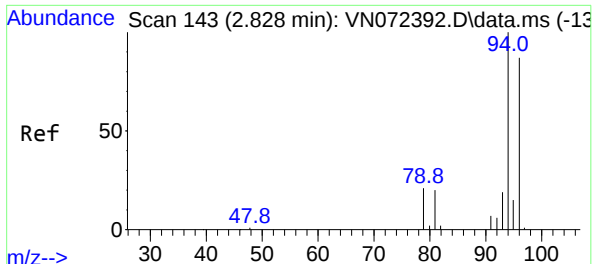
Tgt Ion:168 Resp: 254564
Ion Ratio Lower Upper
168 100
99 64.7 42.3 63.5#



#3
Chloromethane
Concen: Below Cal
RT: 2.310 min Scan# 55
Delta R.T. 0.011 min
Lab File: VN072396.D
Acq: 10 May 2022 16:43

Tgt Ion: 50 Resp: 696
Ion Ratio Lower Upper
50 100
52 41.5 25.7 38.5#

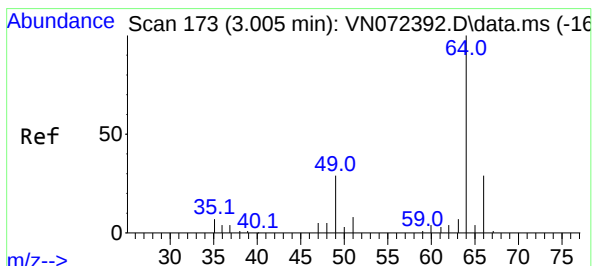
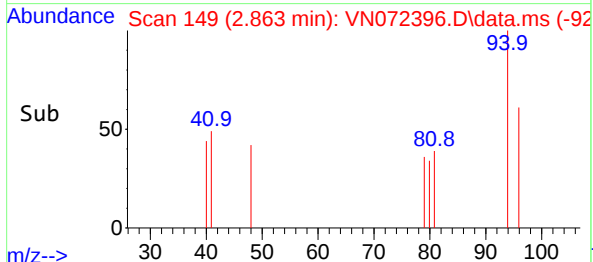
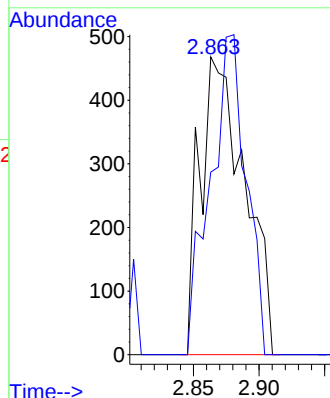
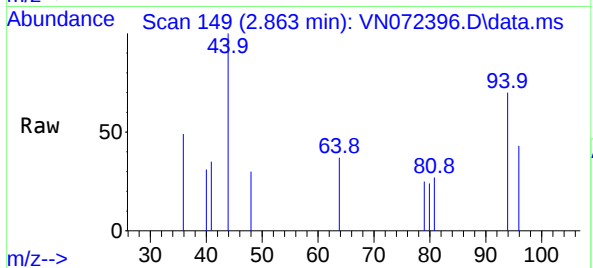




#5
Bromomethane
Concen: 0.690 ug/l
RT: 2.863 min Scan# 14
Delta R.T. 0.035 min
Lab File: VN072396.D
Acq: 10 May 2022 16:43

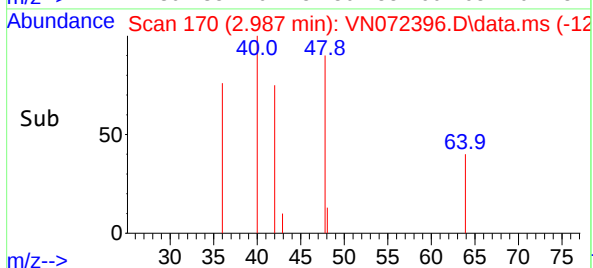
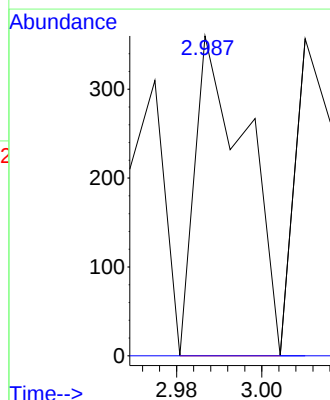
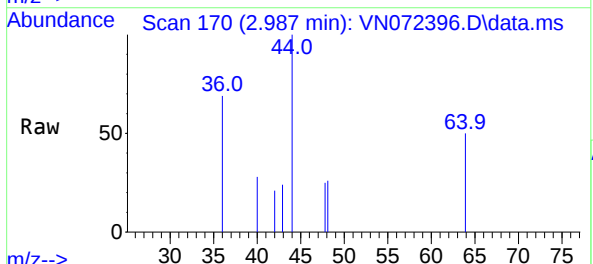
Instrument :
MSVOA_N
ClientSampleId :
VN0510WBL01

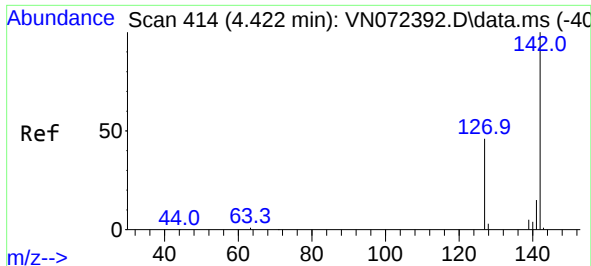
Tgt Ion: 94 Resp: 1110
Ion Ratio Lower Upper
94 100
96 61.3 76.0 114.0#



#6
Chloroethane
Concen: Below Cal
RT: 2.987 min Scan# 170
Delta R.T. -0.018 min
Lab File: VN072396.D
Acq: 10 May 2022 16:43

Tgt Ion: 64 Resp: 303
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

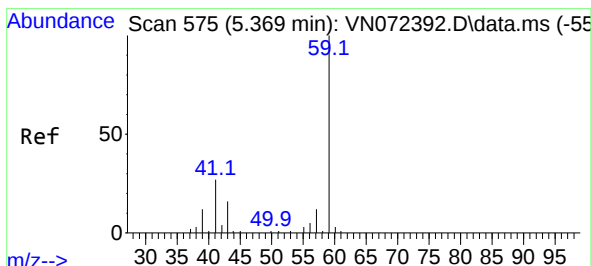
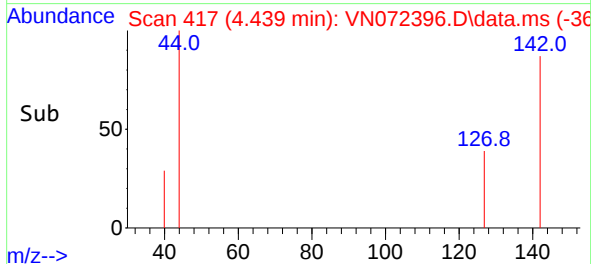
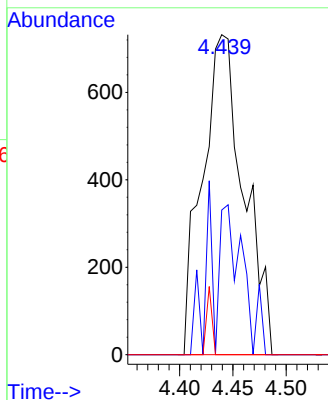
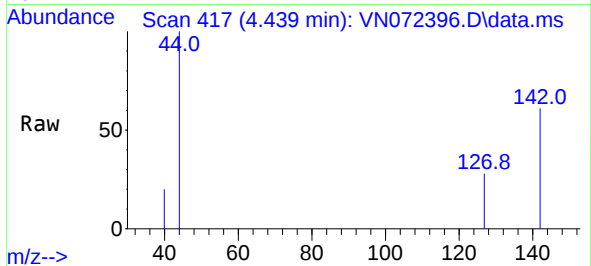




#10
Methyl Iodide
Concen: 0.549 ug/l
RT: 4.439 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN072396.D
Acq: 10 May 2022 16:43

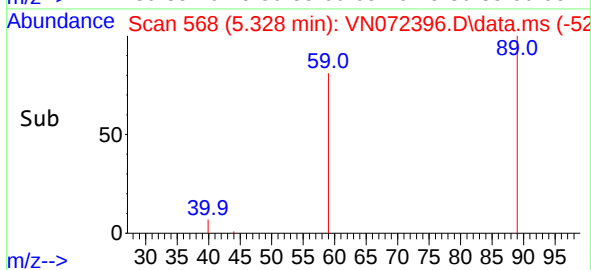
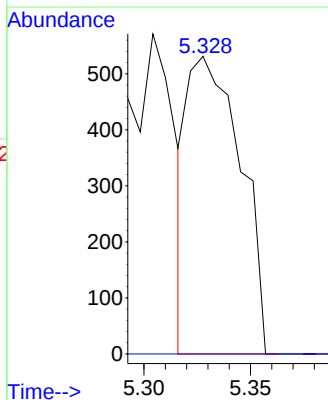
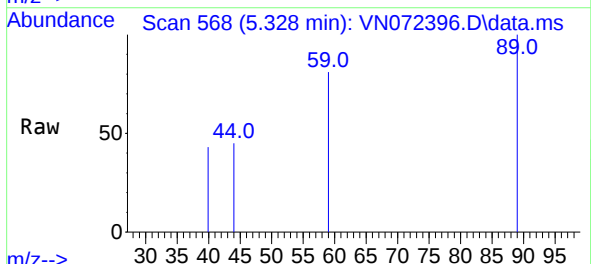
Instrument :
MSVOA_N
ClientSampleId :
VN0510WBL01

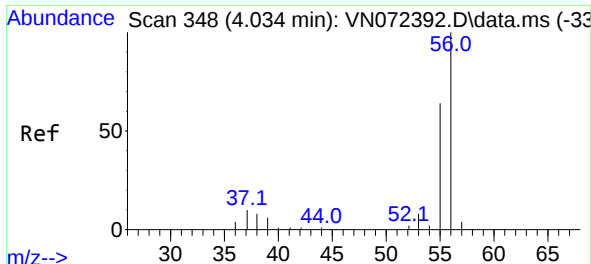
Tgt Ion:142 Resp: 1988
Ion Ratio Lower Upper
142 100
127 26.0 31.3 46.9#
141 0.0 11.2 16.8#



#11
Tert butyl alcohol
Concen: 1.446 ug/l
RT: 5.328 min Scan# 568
Delta R.T. -0.041 min
Lab File: VN072396.D
Acq: 10 May 2022 16:43

Tgt Ion: 59 Resp: 922
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

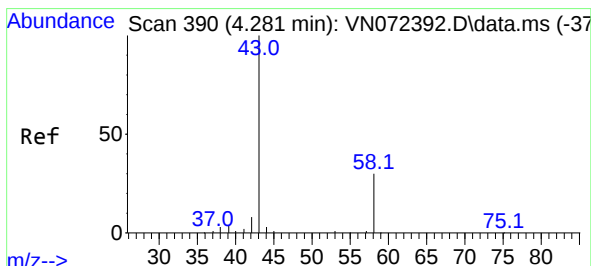
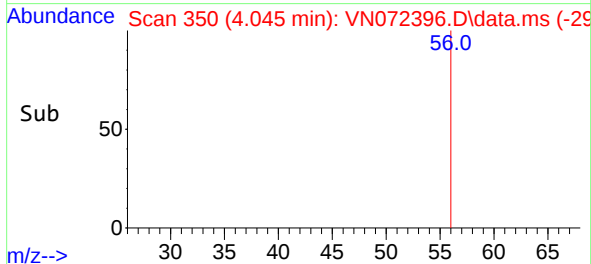
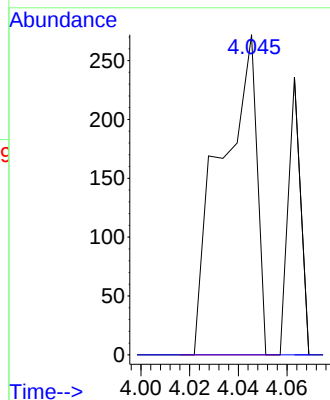
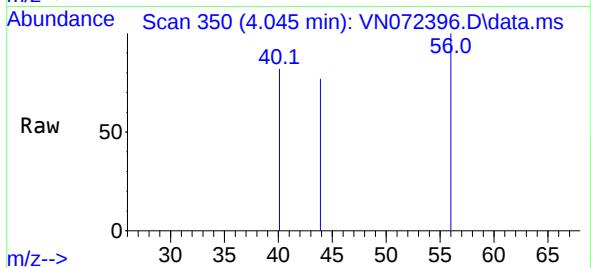




#13
Acrolein
Concen: 0.446 ug/l
RT: 4.045 min Scan# 31
Delta R.T. 0.011 min
Lab File: VN072396.D
Acq: 10 May 2022 16:43

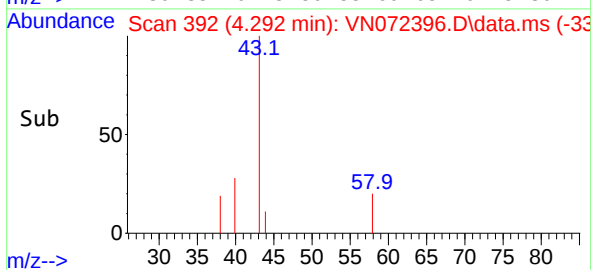
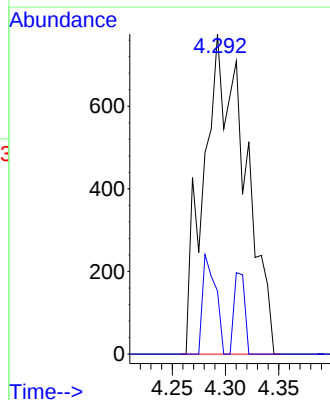
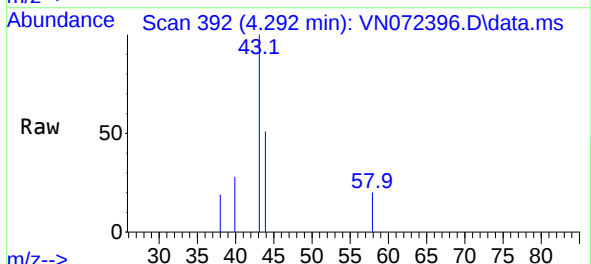
Instrument :
MSVOA_N
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VN0510WBL01

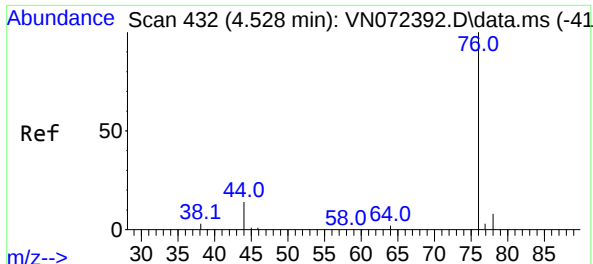
Tgt Ion: 56 Resp: 278
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#



#16
Acetone
Concen: 1.350 ug/l
RT: 4.292 min Scan# 392
Delta R.T. 0.011 min
Lab File: VN072396.D
Acq: 10 May 2022 16:43

Tgt Ion: 43 Resp: 2084
Ion Ratio Lower Upper
43 100
58 19.7 26.0 39.0#

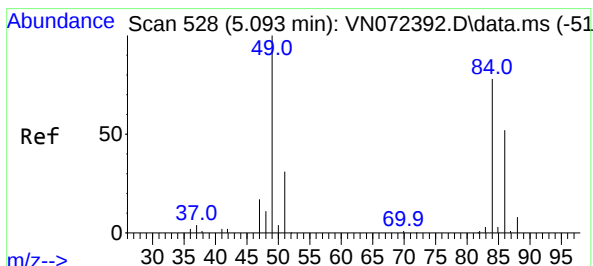
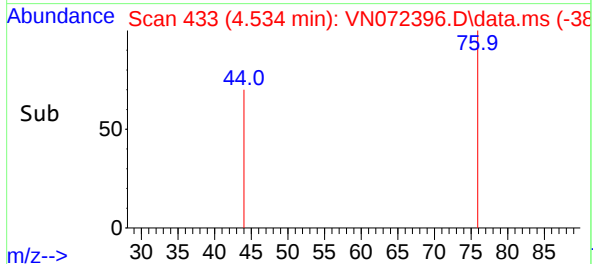
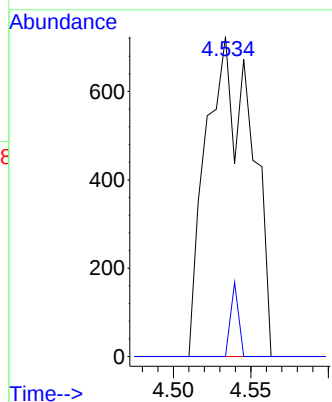
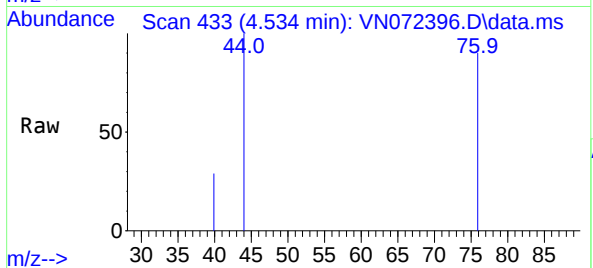




#17
Carbon Disulfide
Concen: 0.221 ug/l
RT: 4.534 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN072396.D
Acq: 10 May 2022 16:43

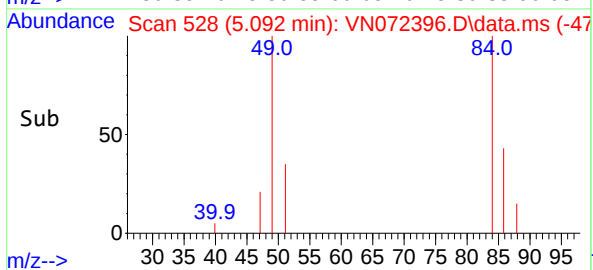
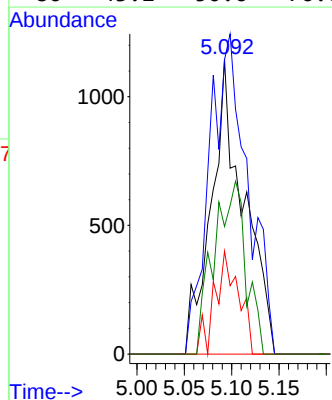
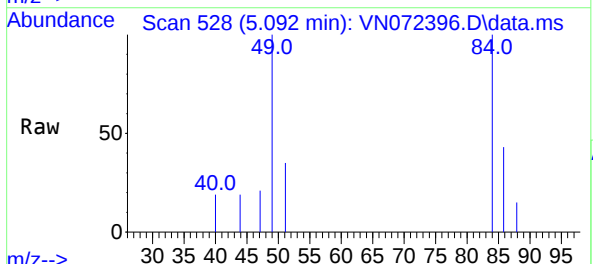
Instrument :
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ClientSampleId :
VN0510WBL01

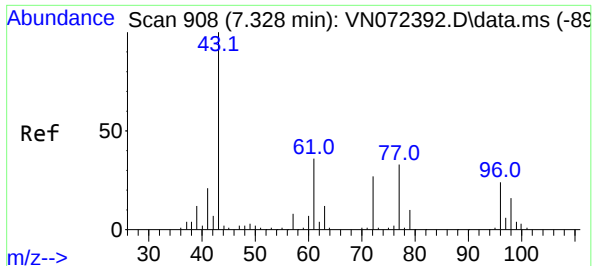
Tgt Ion: 76 Resp: 1468
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 0.867 ug/l
RT: 5.092 min Scan# 528
Delta R.T. -0.001 min
Lab File: VN072396.D
Acq: 10 May 2022 16:43

Tgt Ion: 84 Resp: 2744
Ion Ratio Lower Upper
84 100
49 99.7 88.3 132.5
51 34.9 28.2 42.2
86 43.2 50.6 76.0#





#25

2-Butanone

Concen: 0.727 ug/l

RT: 7.345 min Scan# 911

Delta R.T. 0.017 min

Lab File: VN072396.D

Acq: 10 May 2022 16:43

Instrument :

MSVOA_N

ClientSampleId :

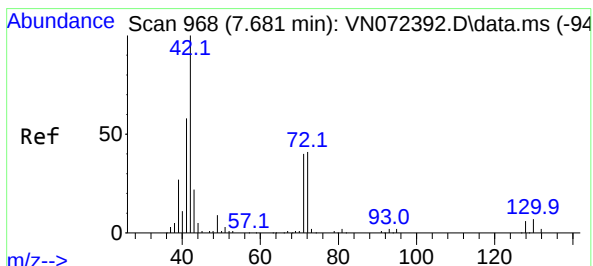
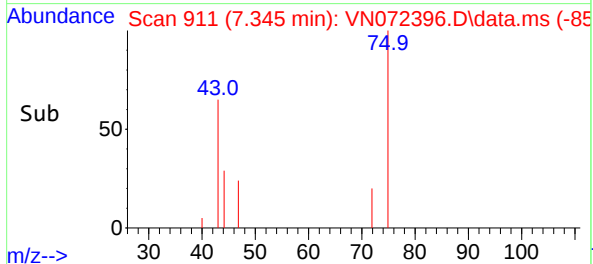
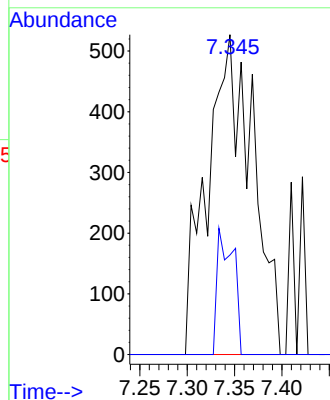
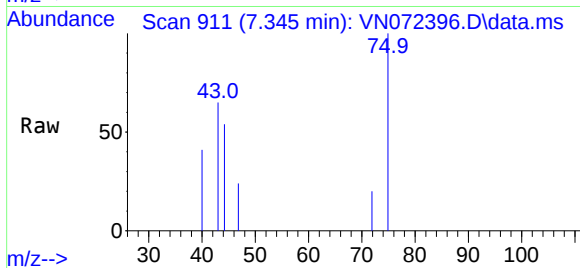
VN0510WBL01

Tgt Ion: 43 Resp: 1772

Ion Ratio Lower Upper

43 100

72 31.1 23.7 35.5



#29

Tetrahydrofuran

Concen: 0.207 ug/l

RT: 7.692 min Scan# 970

Delta R.T. 0.011 min

Lab File: VN072396.D

Acq: 10 May 2022 16:43

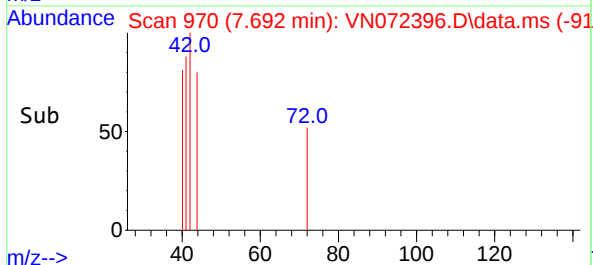
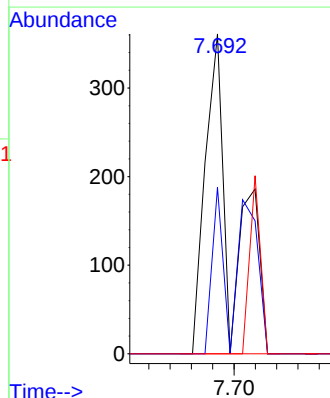
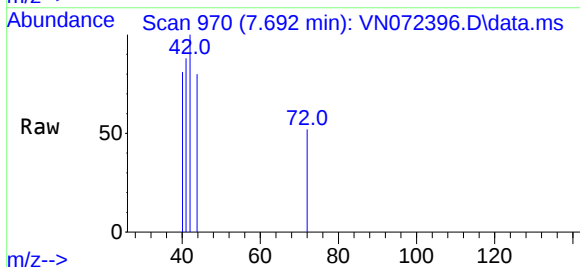
Tgt Ion: 42 Resp: 328

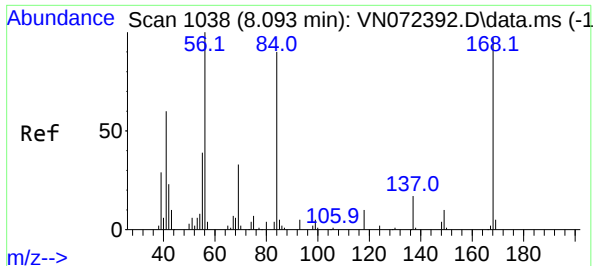
Ion Ratio Lower Upper

42 100

72 20.1 39.7 59.5#

71 0.0 36.6 55.0#





#31

Cyclohexane

Concen: 1.176 ug/l

RT: 8.075 min Scan# 1

Delta R.T. -0.018 min

Lab File: VN072396.D

Acq: 10 May 2022 16:43

Instrument :

MSVOA_N

ClientSampleId :

VN0510WBL01

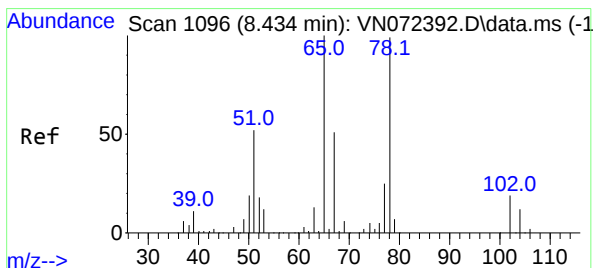
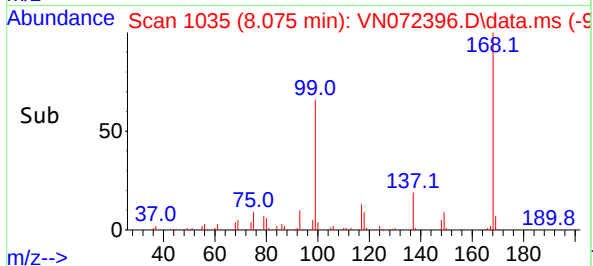
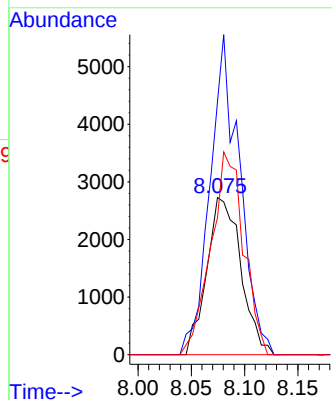
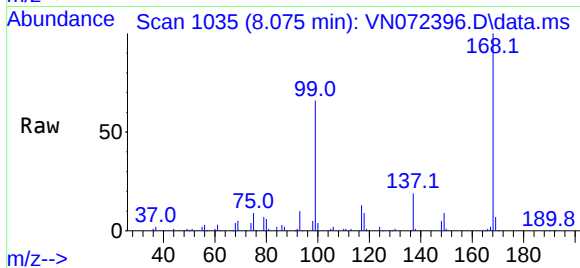
Tgt Ion: 56 Resp: 6075

Ion Ratio Lower Upper

56 100

69 160.9 27.8 41.8#

84 87.1 76.9 115.3



#33

1,2-Dichloroethane-d4

Concen: 48.396 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.001 min

Lab File: VN072396.D

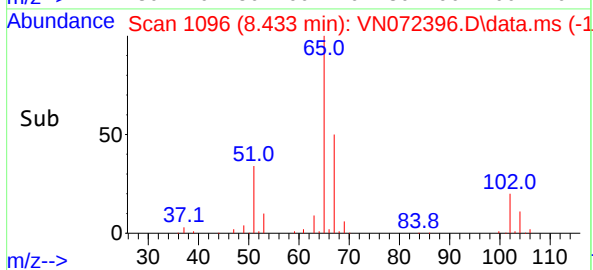
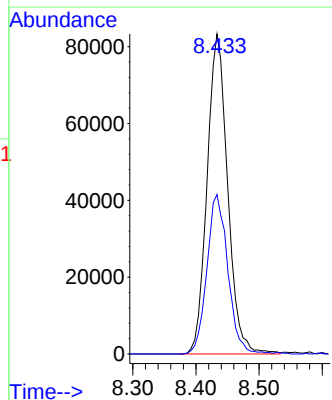
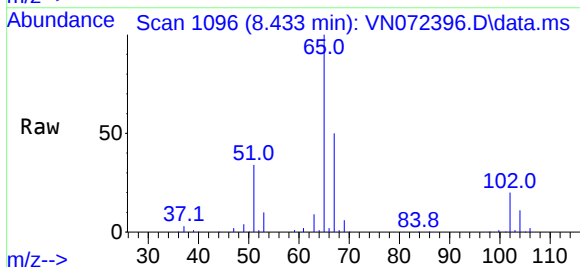
Acq: 10 May 2022 16:43

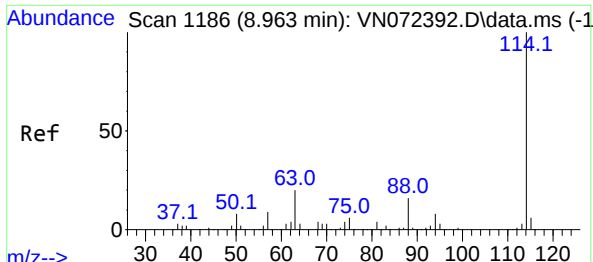
Tgt Ion: 65 Resp: 188701

Ion Ratio Lower Upper

65 100

67 50.6 0.0 104.8

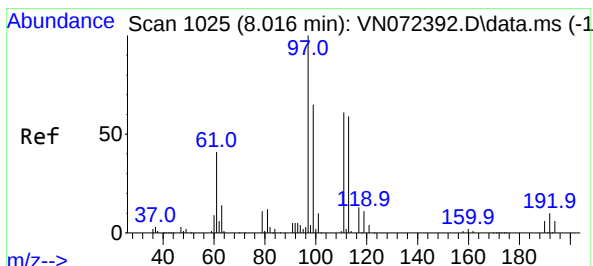
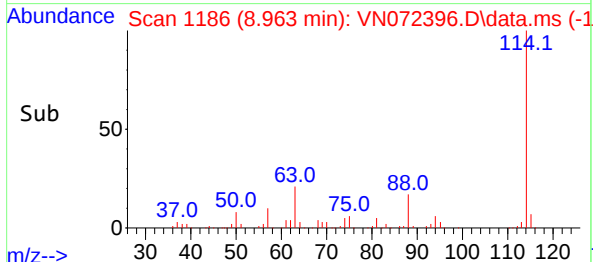
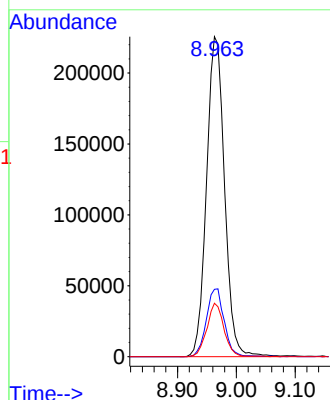
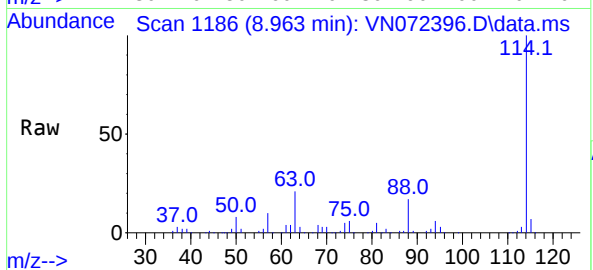




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN072396.D
Acq: 10 May 2022 16:43

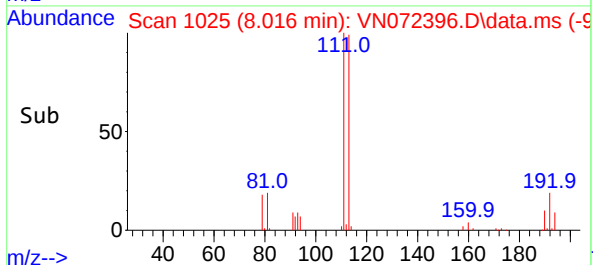
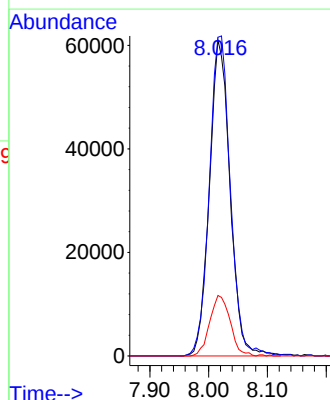
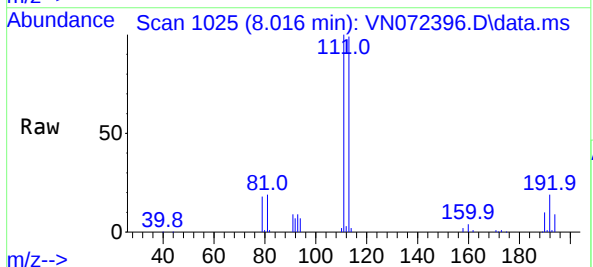
Instrument :
MSVOA_N
ClientSampleId :
VN0510WBL01

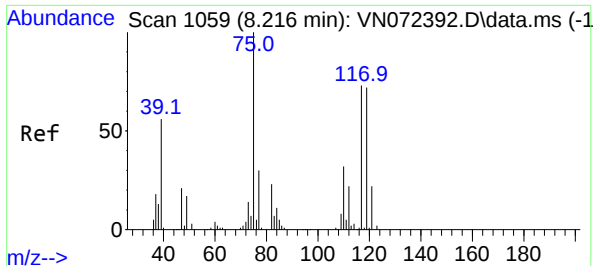
Tgt Ion:114 Resp: 479787
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.0
88 16.7 0.0 32.6



#35
Dibromofluoromethane
Concen: 46.464 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN072396.D
Acq: 10 May 2022 16:43

Tgt Ion:113 Resp: 148314
Ion Ratio Lower Upper
113 100
111 103.5 81.4 122.0
192 19.0 17.0 25.6

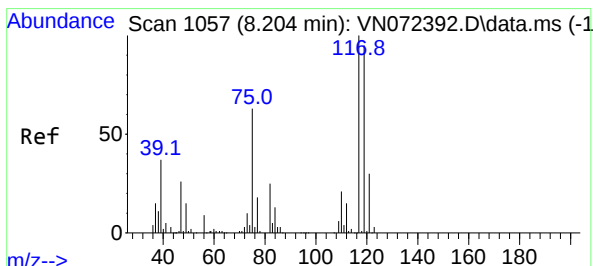
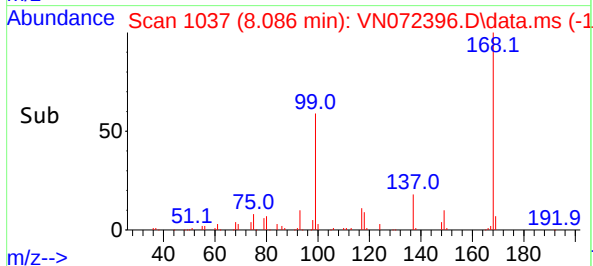
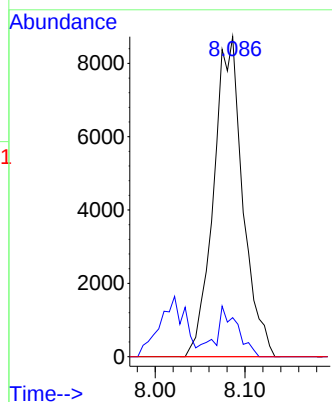
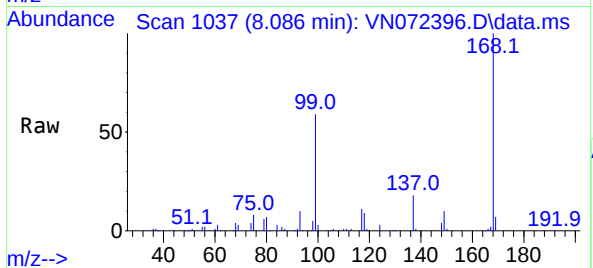




#36
1,1-Dichloropropene
Concen: 4.293 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.130 min
Lab File: VN072396.D
Acq: 10 May 2022 16:43

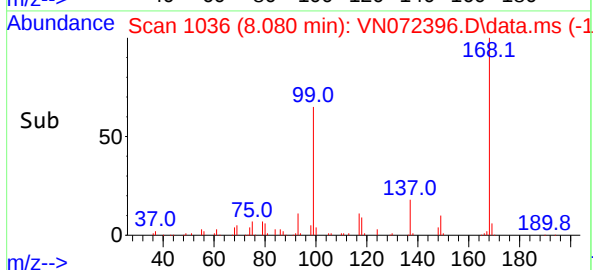
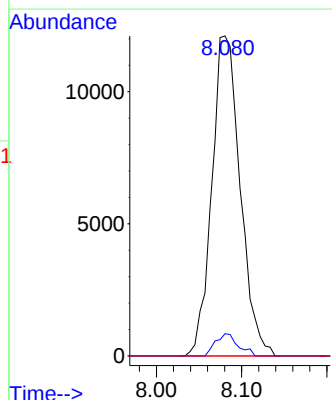
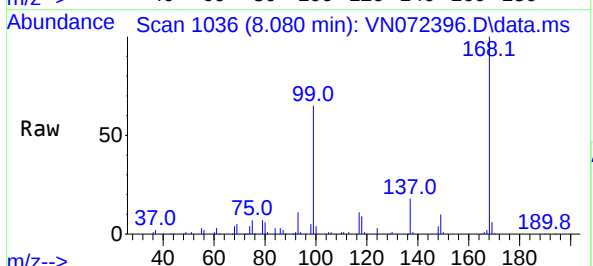
Instrument :
MSVOA_N
ClientSampleId :
VN0510WBL01

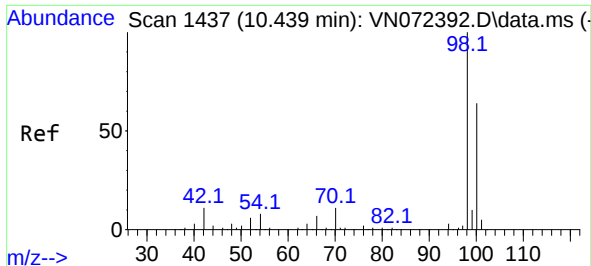
Tgt Ion: 75 Resp: 19684
Ion Ratio Lower Upper
75 100
110 11.4 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.454 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.124 min
Lab File: VN072396.D
Acq: 10 May 2022 16:43

Tgt Ion: 117 Resp: 27986
Ion Ratio Lower Upper
117 100
119 7.0 75.8 113.8#
121 0.0 24.6 37.0#

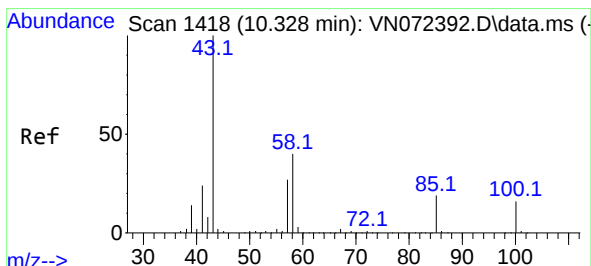
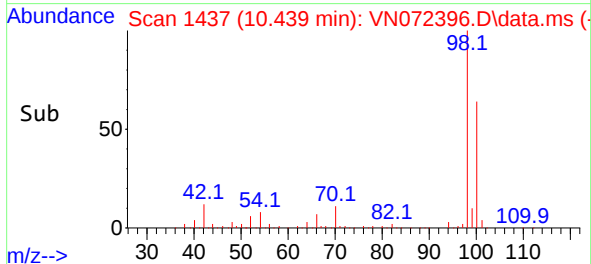
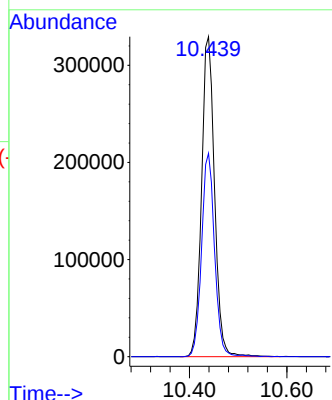
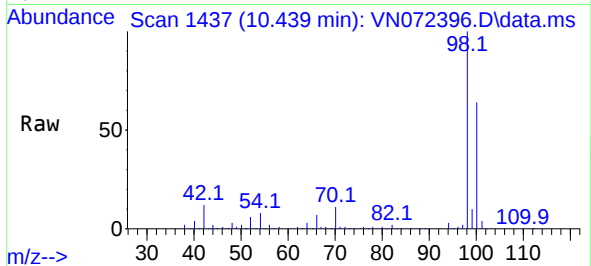




#50
Toluene-d8
Concen: 50.152 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072396.D
Acq: 10 May 2022 16:43

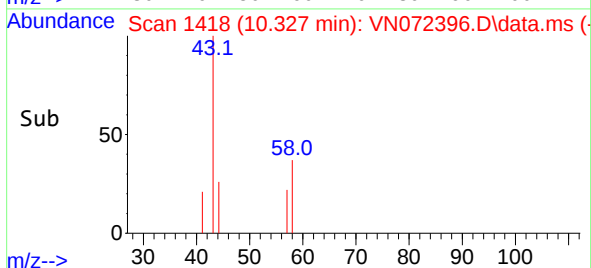
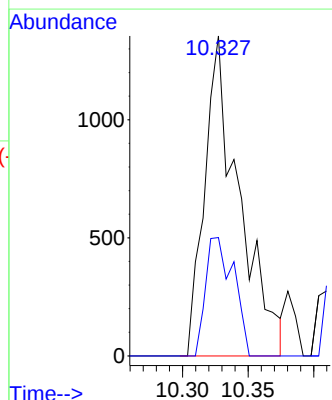
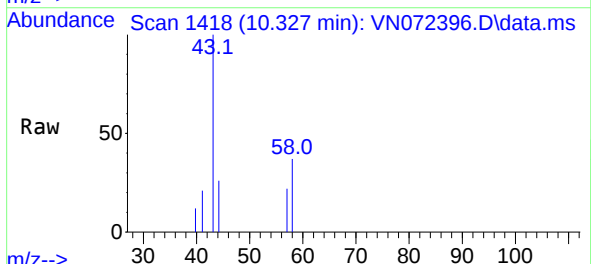
Instrument :
MSVOA_N
ClientSampleId :
VN0510WBL01

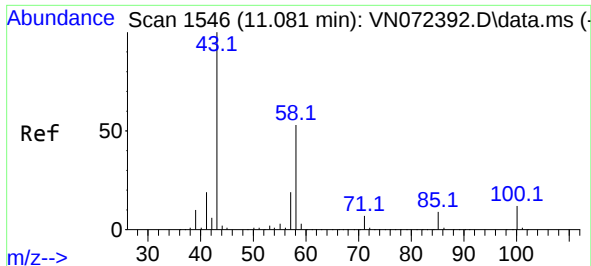
Tgt Ion: 98 Resp: 609694
Ion Ratio Lower Upper
98 100
100 63.8 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.474 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. -0.001 min
Lab File: VN072396.D
Acq: 10 May 2022 16:43

Tgt Ion: 43 Resp: 2485
Ion Ratio Lower Upper
43 100
58 30.0 34.1 51.1#

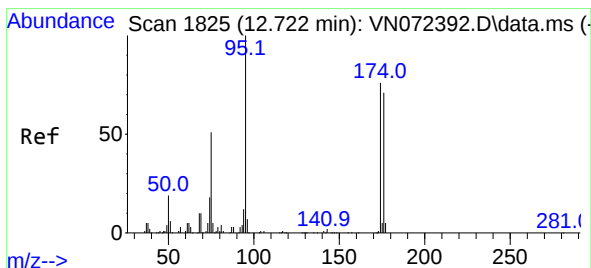
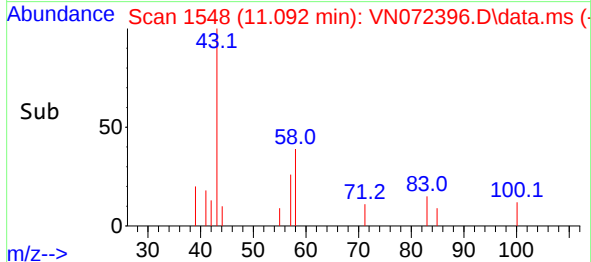
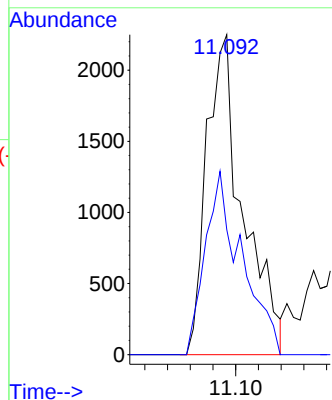
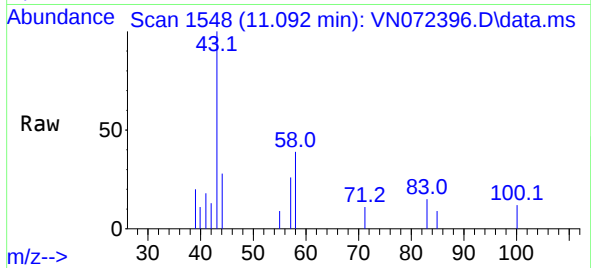




#59
2-Hexanone
Concen: 1.360 ug/l
RT: 11.092 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN072396.D
Acq: 10 May 2022 16:43

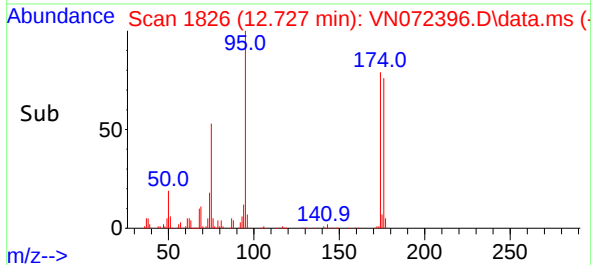
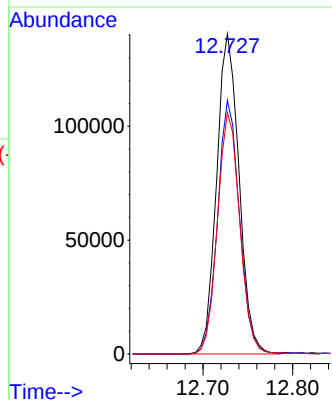
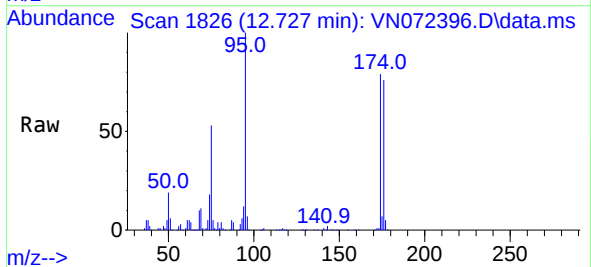
Instrument :
MSVOA_N
ClientSampleId :
VN0510WBL01

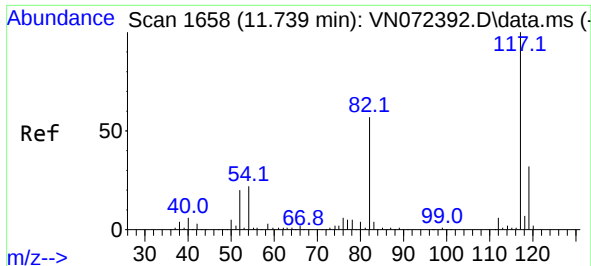
Tgt Ion: 43 Resp: 5004
Ion Ratio Lower Upper
43 100
58 57.1 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 60.460 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.005 min
Lab File: VN072396.D
Acq: 10 May 2022 16:43

Tgt Ion: 95 Resp: 244098
Ion Ratio Lower Upper
95 100
174 77.5 0.0 167.6
176 74.9 0.0 163.4

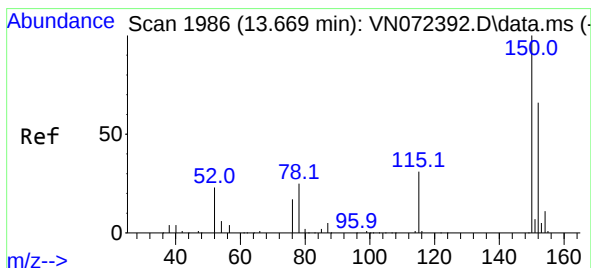
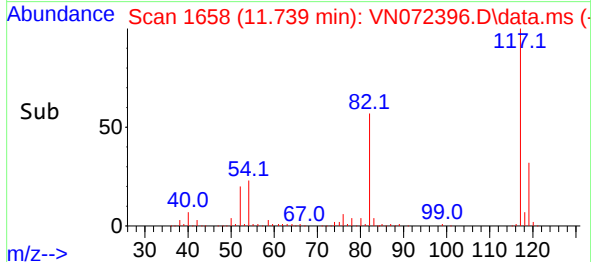
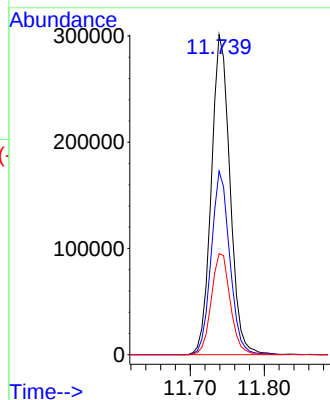
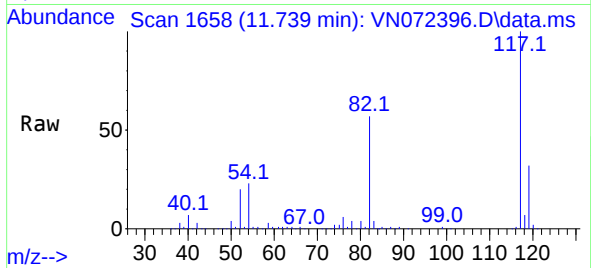




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072396.D
Acq: 10 May 2022 16:43

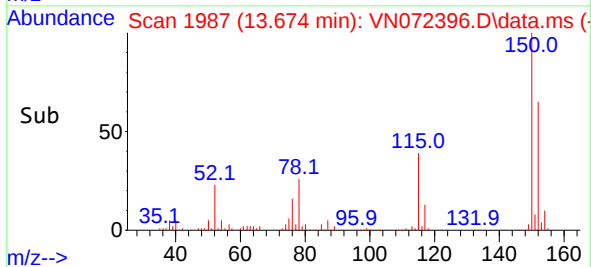
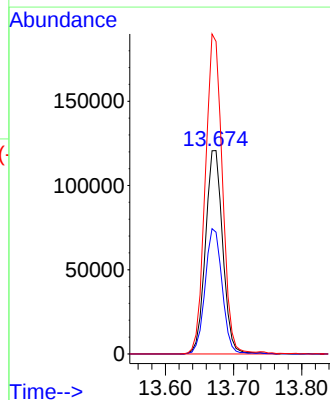
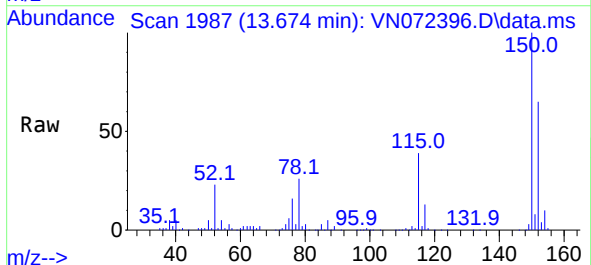
Instrument :
MSVOA_N
ClientSampleId :
VN0510WBL01

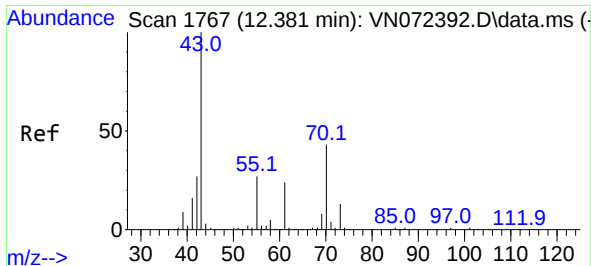
Tgt Ion:117 Resp: 527624
Ion Ratio Lower Upper
117 100
82 57.4 44.2 66.2
119 31.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.005 min
Lab File: VN072396.D
Acq: 10 May 2022 16:43

Tgt Ion:152 Resp: 212725
Ion Ratio Lower Upper
152 100
115 61.0 28.9 86.7
150 155.3 0.0 356.2

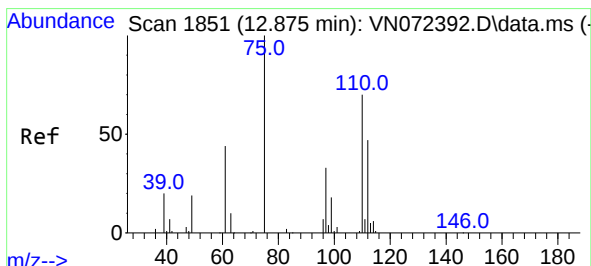
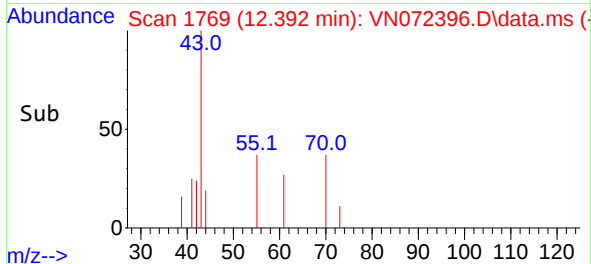
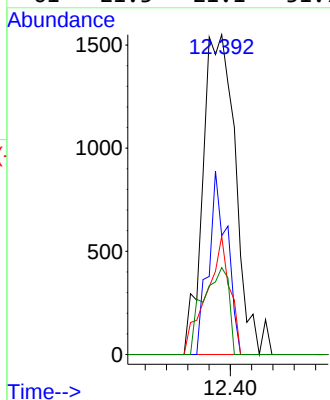
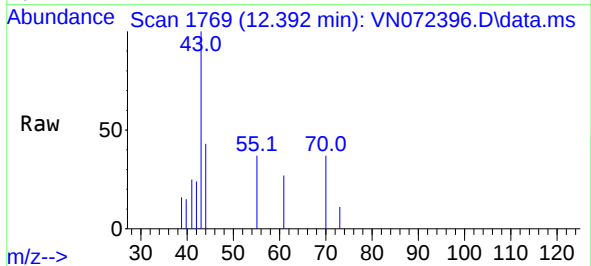




#74
N-amy1 acetate
Concen: 0.532 ug/l
RT: 12.392 min Scan# 1769
Delta R.T. 0.011 min
Lab File: VN072396.D
Acq: 10 May 2022 16:43

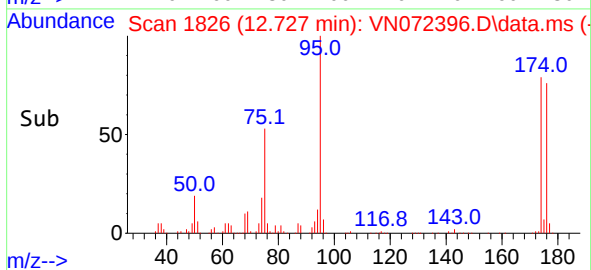
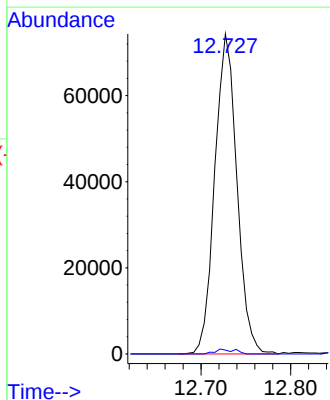
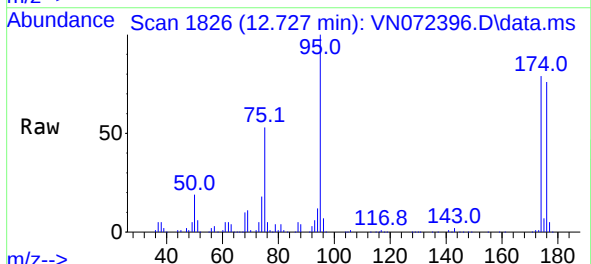
Instrument :
MSVOA_N
ClientSampleId :
VN0510WBL01

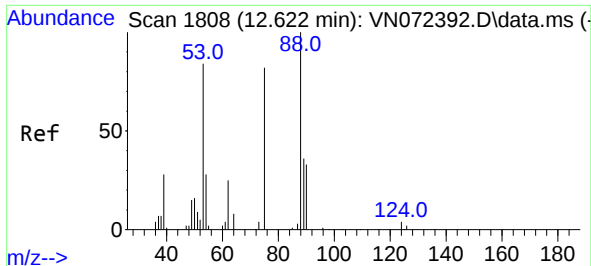
Tgt Ion: 43	Resp: 3312
Ion Ratio	Lower Upper
43 100	
70 32.4	39.0 58.4#
55 26.4	21.1 31.7
61 21.3	21.1 31.7



#76
1,2,3-Trichloropropane
Concen: 22.967 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.148 min
Lab File: VN072396.D
Acq: 10 May 2022 16:43

Tgt Ion: 75	Resp: 127426
Ion Ratio	Lower Upper
75 100	
77 1.3	98.5 295.5#

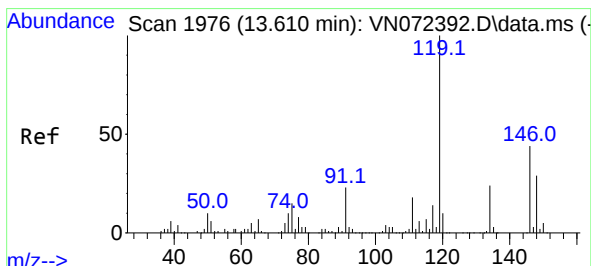
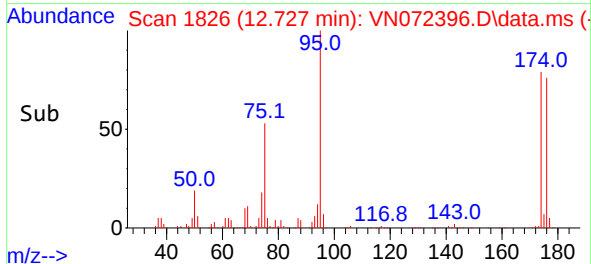
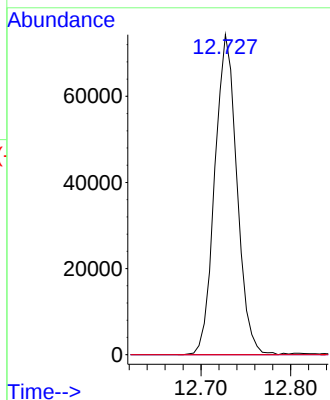
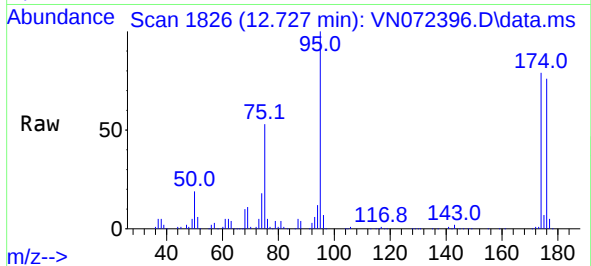




#81
trans-1,4-Dichloro-2-butene
Concen: 76.618 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN072396.D
Acq: 10 May 2022 16:43

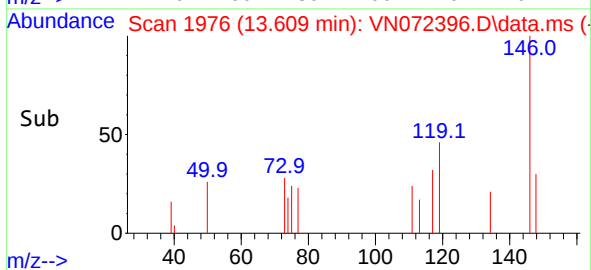
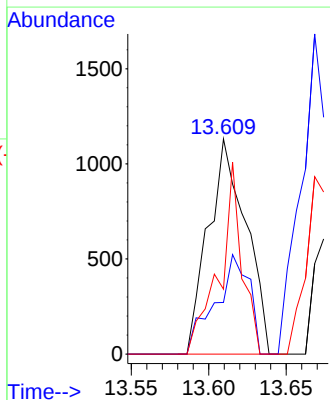
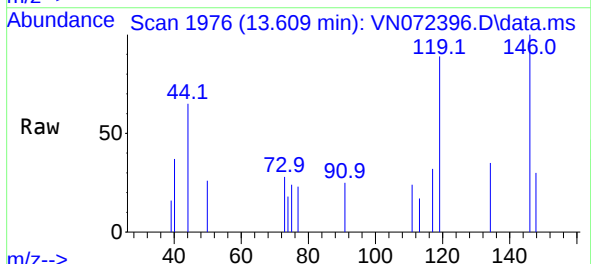
Instrument :
MSVOA_N
ClientSampleId :
VN0510WBL01

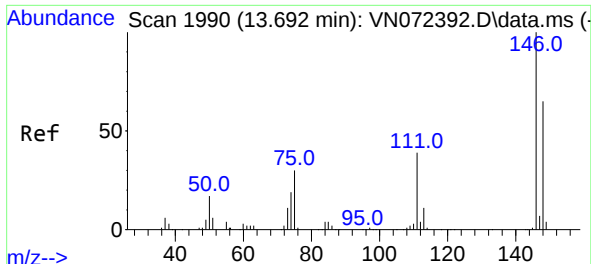
Tgt Ion: 75 Resp: 127426
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#87
1,3-Dichlorobenzene
Concen: 0.263 ug/l
RT: 13.609 min Scan# 1976
Delta R.T. -0.001 min
Lab File: VN072396.D
Acq: 10 May 2022 16:43

Tgt Ion:146 Resp: 1915
Ion Ratio Lower Upper
146 100
111 41.5 20.0 60.0
148 53.2 32.0 96.0



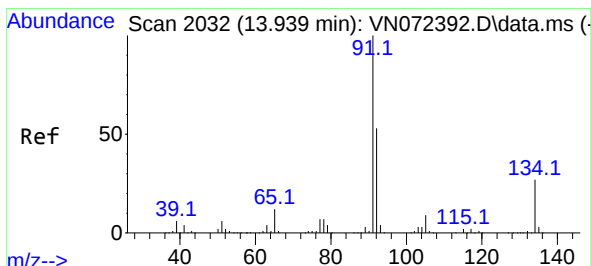
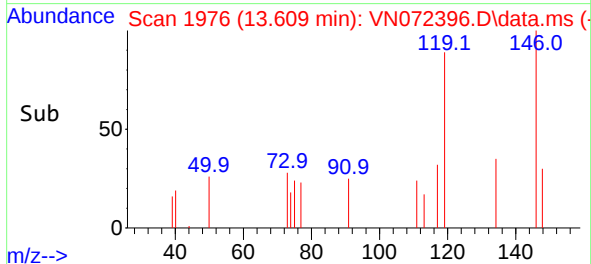
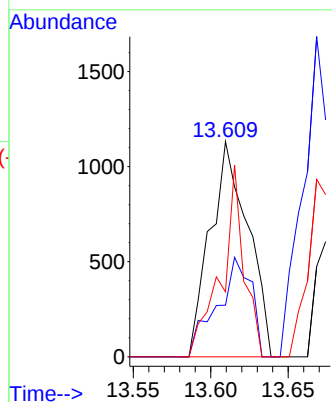
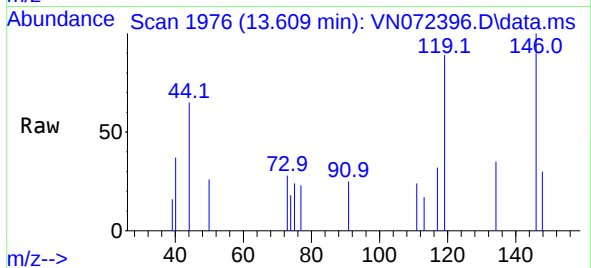


#88
1,4-Dichlorobenzene
Concen: 0.265 ug/l
RT: 13.609 min Scan# 1990
Delta R.T. -0.083 min
Lab File: VN072396.D
Acq: 10 May 2022 16:43

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBL01

Tgt Ion:146 Resp: 1915

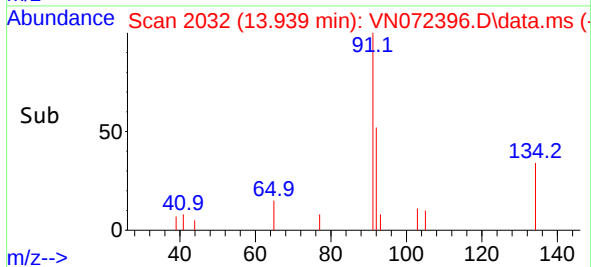
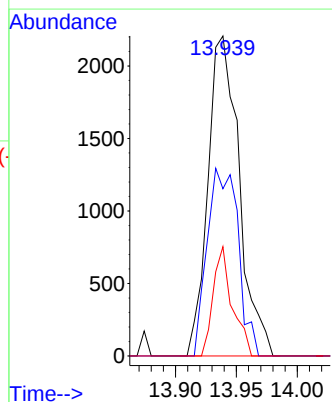
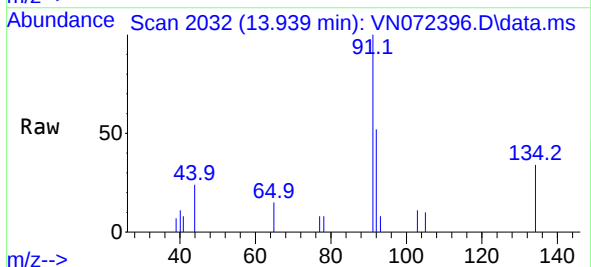
Ion	Ratio	Lower	Upper
146	100		
111	41.5	19.1	57.1
148	53.2	31.4	94.3

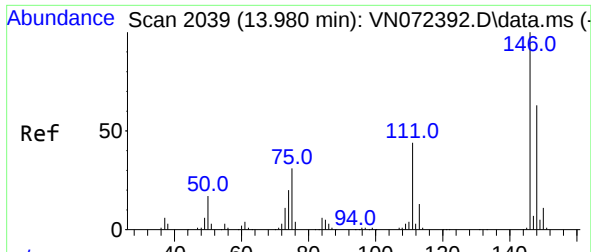


#89
n-Butylbenzene
Concen: 0.393 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VN072396.D
Acq: 10 May 2022 16:43

Tgt Ion: 91 Resp: 3947

Ion	Ratio	Lower	Upper
91	100		
92	57.9	26.9	80.7
134	20.7	13.6	40.8





#91

1,2-Dichlorobenzene

Concen: 0.251 ug/l

RT: 13.980 min Scan# 2039

Delta R.T. 0.000 min

Lab File: VN072396.D

Acq: 10 May 2022 16:43

Instrument :

MSVOA_N

ClientSampleId :

VN0510WBL01

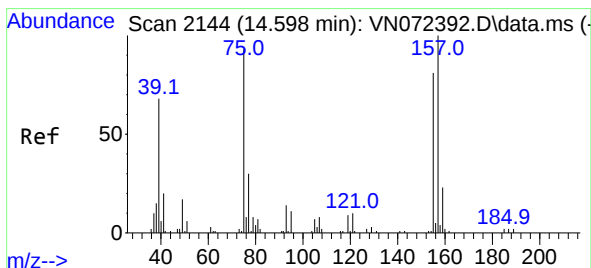
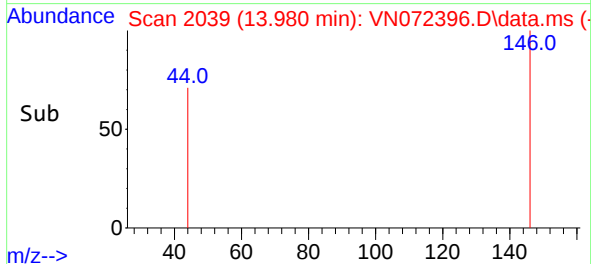
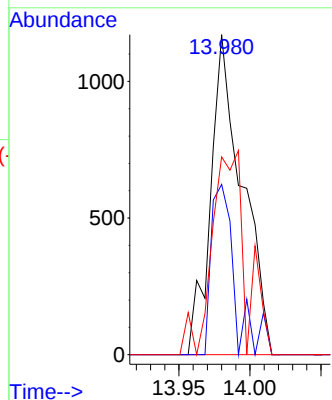
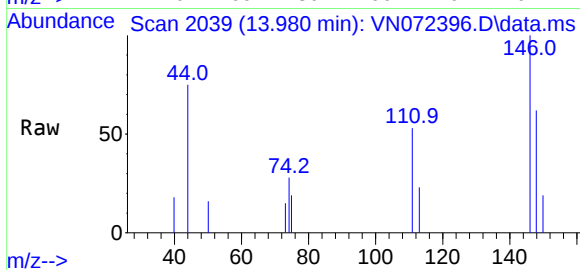
Tgt Ion:146 Resp: 1821

Ion Ratio Lower Upper

146 100

111 39.4 20.9 62.8

148 67.7 32.1 96.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.302 ug/l

RT: 14.604 min Scan# 2145

Delta R.T. 0.006 min

Lab File: VN072396.D

Acq: 10 May 2022 16:43

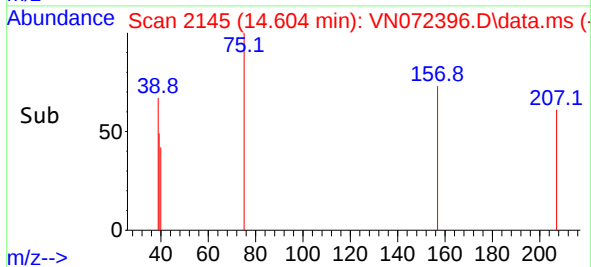
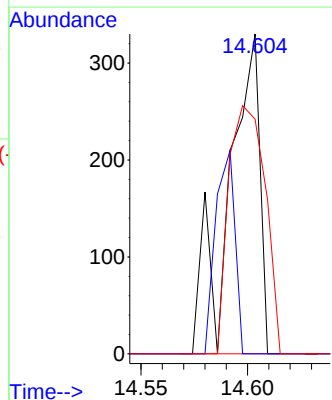
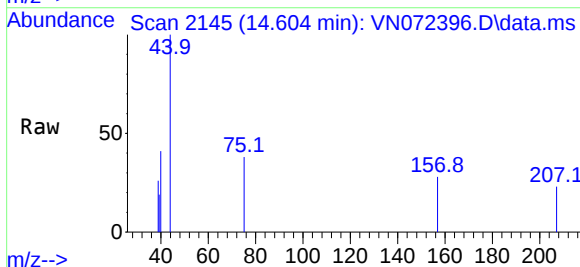
Tgt Ion: 75 Resp: 336

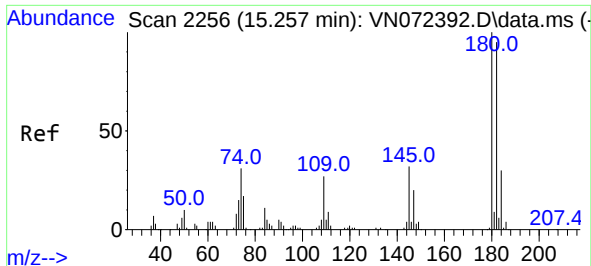
Ion Ratio Lower Upper

75 100

155 39.3 44.9 134.5#

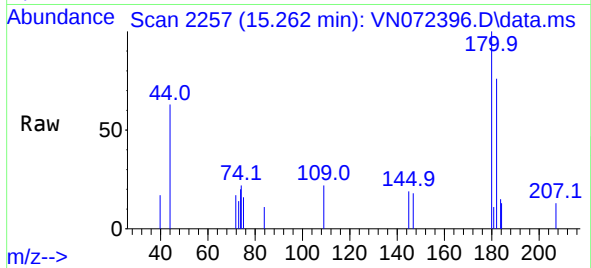
157 90.8 59.0 176.8



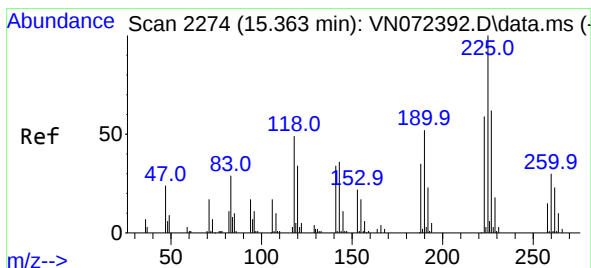
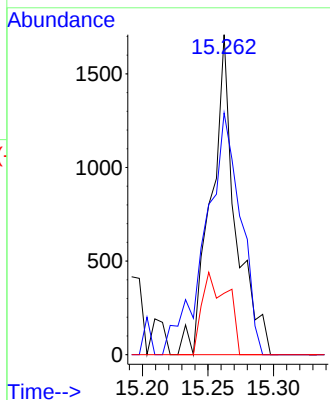
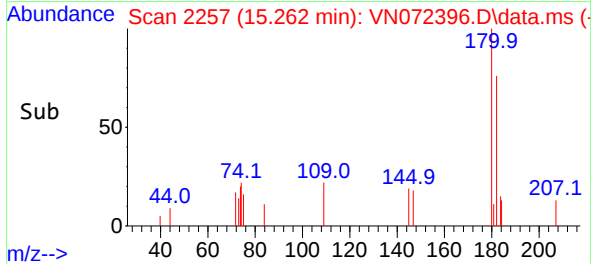


#93
1,2,4-Trichlorobenzene
Concen: 0.810 ug/l
RT: 15.262 min Scan# 211
Delta R.T. 0.005 min
Lab File: VN072396.D
Acq: 10 May 2022 16:43

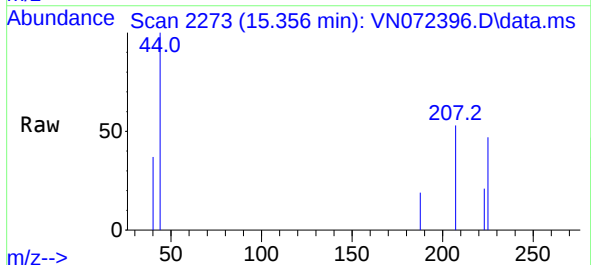
Instrument :
MSVOA_N
ClientSampleId :
VN0510WBL01



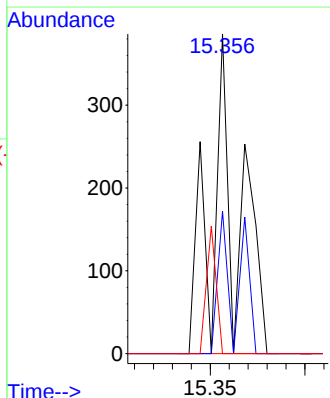
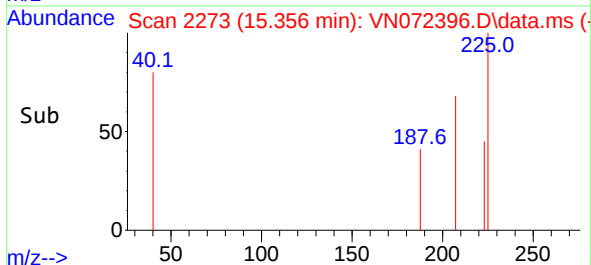
Tgt Ion:180 Resp: 2228
Ion Ratio Lower Upper
180 100
182 108.9 47.5 142.5
145 26.6 14.5 43.5

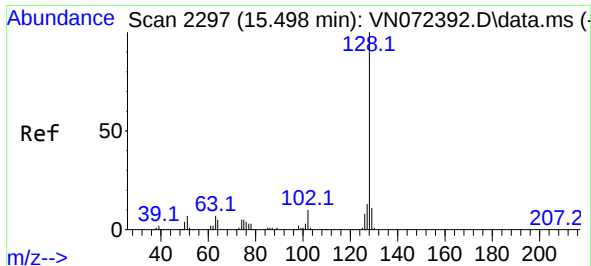


#94
Hexachlorobutadiene
Concen: 0.204 ug/l
RT: 15.356 min Scan# 2273
Delta R.T. -0.007 min
Lab File: VN072396.D
Acq: 10 May 2022 16:43



Tgt Ion:225 Resp: 371
Ion Ratio Lower Upper
225 100
223 32.1 32.4 97.2#
227 14.6 31.8 95.4#

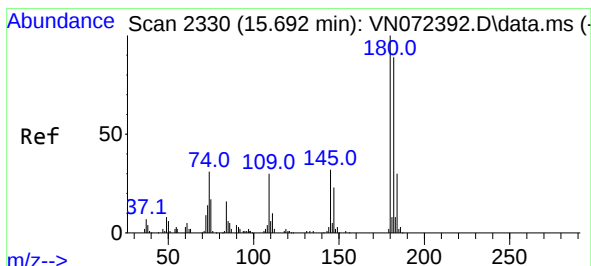
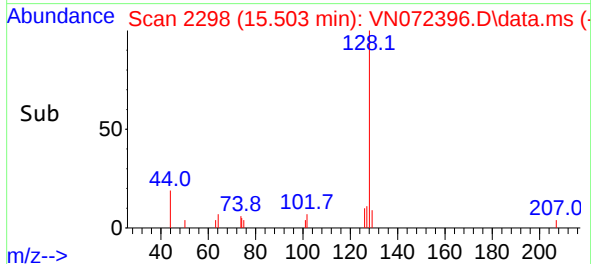
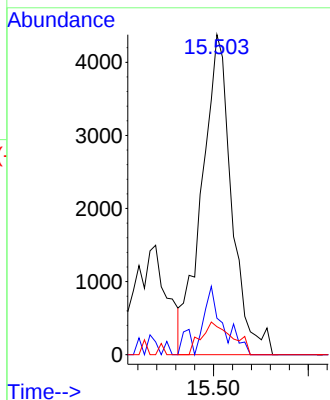
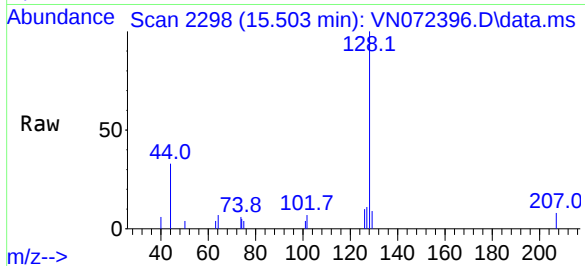




#95
Naphthalene
Concen: 4.058 ug/l
RT: 15.503 min Scan# 21
Delta R.T. 0.005 min
Lab File: VN072396.D
Acq: 10 May 2022 16:43

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBL01

Tgt Ion:128	Resp:	9572	
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.3	15.5
129	10.5	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 1.103 ug/l
RT: 15.692 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VN072396.D
Acq: 10 May 2022 16:43

Tgt Ion:180	Resp:	3041	
Ion	Ratio	Lower	Upper
180	100		
182	90.6	47.8	143.3
145	35.6	15.5	46.5

